

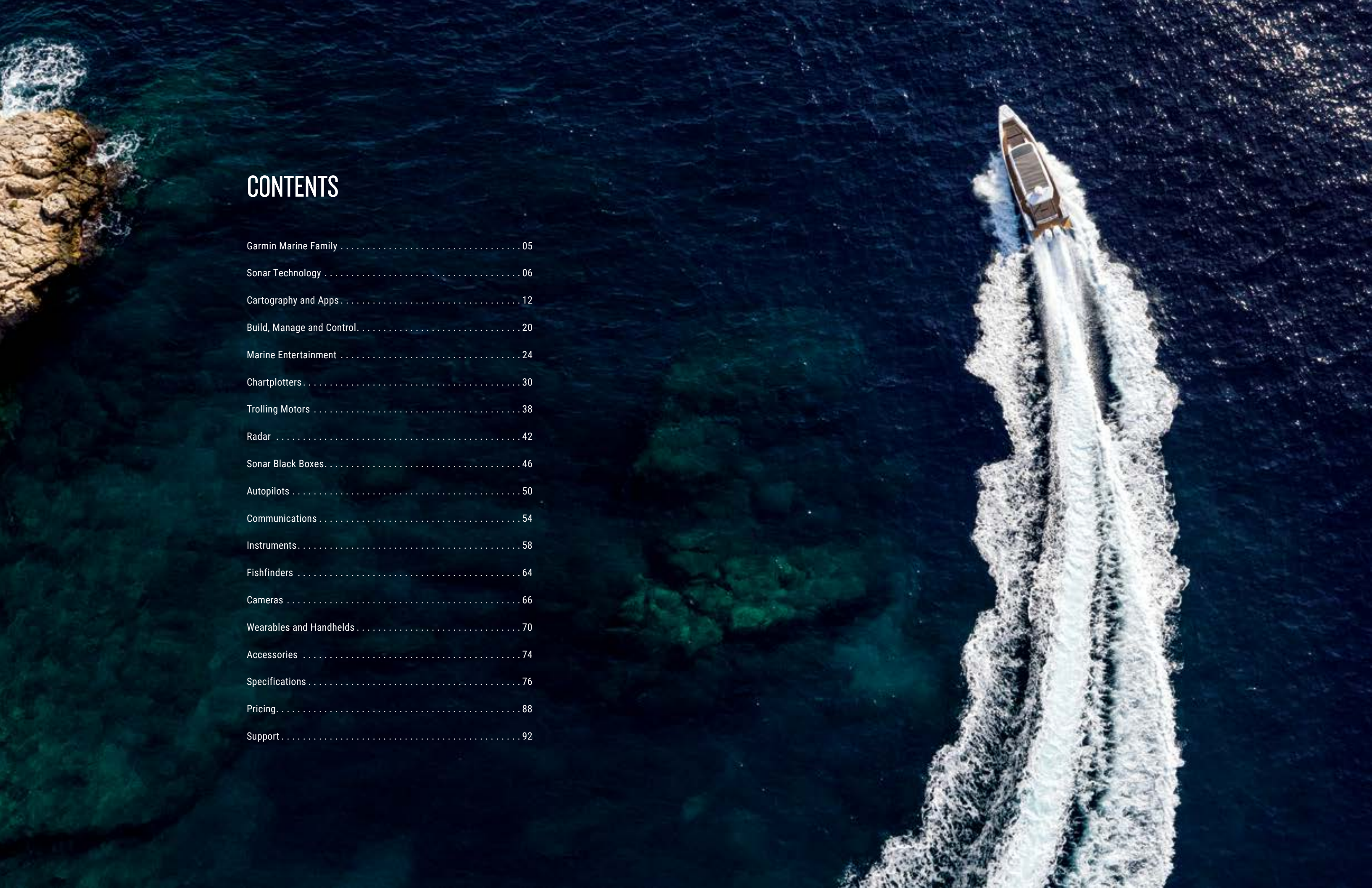
A white fishing boat with a large net is shown on a body of water at sunset. The boat is moving from left to right, leaving a white wake. The net is extended from the boat, and the sky is a mix of blue and orange. The water is dark blue.

GARMIN[®]

2020 } MARINE
CATALOG

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GARMIN MARINE FAMILY

GARMIN®

AT GARMIN WE STRIVE TO MAKE THE BEST PRODUCTS FOR EVERYTHING YOU DO ON THE WATER. THESE BRANDS ARE PART OF THE GARMIN FAMILY BECAUSE THEY REPRESENT THE STRONGEST AND BEST OF WHAT THEY DO.

BRAND FAMILY

FUSION

MARINE ENTERTAINMENT

FUSION® ENTERTAINMENT IS WORLD-REOWNED FOR ENGINEERING INNOVATIVE AUDIO SOLUTIONS THAT ARE ENJOYED AROUND THE GLOBE BY THE MOST PRESTIGIOUS BOAT DESIGNERS AND MANUFACTURERS.

NAVIONICS®

CARTOGRAPHY

EXPERIENCE UNPARALLELED COVERAGE AND BRILLIANT DETAIL WHEN YOU'RE ON THE WATER. BLUECHART® G3 COASTAL CHARTS AND LAKEVÜ G3 INLAND MAPS PROVIDE EXCEPTIONAL COVERAGE, CLARITY AND DETAIL.

EmpirBus™

DIGITAL SWITCHING

EMPIRBUS BRINGS ALL THE POWER AND CONVENIENCE OF ADVANCED HOME AUTOMATION TO YOUR VESSEL, ALLOWING YOU TO CONTROL AND MONITOR ALL ONBOARD ELECTRONIC SYSTEMS FROM YOUR GARMIN CHARTPLOTTER OR MFD.

SONAR TECHNOLOGY



PANOPTIX LIVESCOPE™



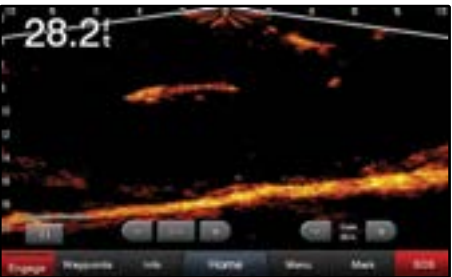
Our award-winning Panoptix LiveScope sonar brings real-time scanning sonar to life. It shows highly detailed, easy-to-interpret live scanning sonar images of structure, bait and fish swimming below and around your boat in real time, even when your boat is stationary.

Full capabilities are available with the Panoptix LiveScope System (see below). The Panoptix LiveScope™ LVS12 transducer provides an economical solution for your GPSMAP® 8600xsv chartplotter – without the need for a black box – with 30-degree forward and 30-degree down real-time scanning sonar views.

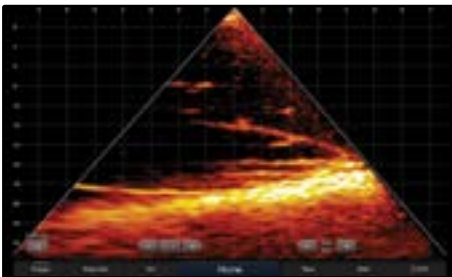
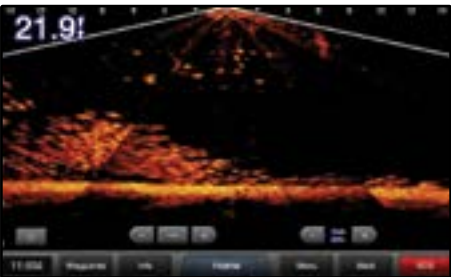
Part no: 010-02143-00 LVS12

TWO MODES IN ONE TRANSDUCER

PANOPTIX LIVESCOPE DOWN

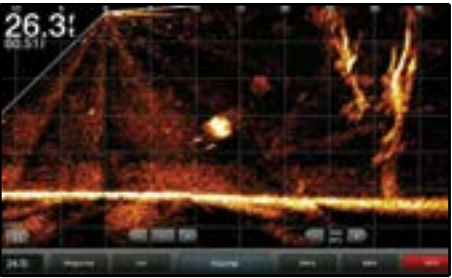


Live, easy-to-interpret scanning sonar images of structure and swimming fish in incredible detail below your boat – up to 200'.

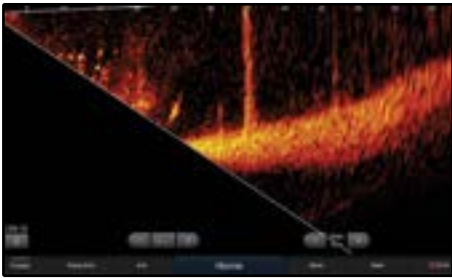


Panoptix LiveScope LVS12 Down

PANOPTIX LIVESCOPE FORWARD



An excellent tool for scouting and fishing out ahead of your cast, it can show real-time scanning sonar images of structure and fish swimming all around your boat – up to 200'.



Panoptix LiveScope LVS12 Forward

PANOPTIX LIVESCOPE SCANNING SONAR SYSTEM

Part no: 010-01864-00 Includes Trolling/Transom Mounts | Part no: 010-02233-00 Includes Thru-hull Mount



Includes a compact GLS 10 sonar black box with LVS32 transducer and simple plug-and-play Garmin Marine Network connector to install easily and integrate seamlessly with your compatible Garmin chartplotter¹. Use the transducer as a supplemental traditional and ClearVü sonar source to see a historical representation of structure and fish below your boat. Available with trolling motor, transom and thru-hull mount transducer options.

¹Compatible with GPSMAP® 8400/8600, GPSMAP 7400/7600, 1002/1202, GPSMAP 1202/1202xsv Touch and 702/902 series chartplotters and ECHOMAP™ Plus 70cv/70sv and 90sv chartplotter/sonar combo series and ECHOMAP UHD (7" & 9") ECHOMAP Ultra GPSMAP Plus

PANOPTIX™ ALL-SEEING SONAR

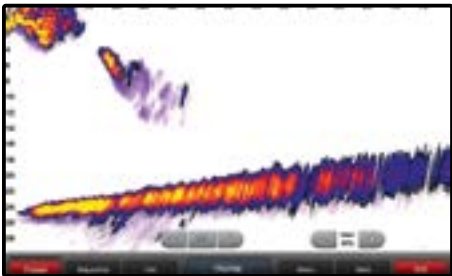
PANOPTIX™ ALL-SEEING SONAR

Panoptix sonar is opening up a new world for serious fishermen. It makes it possible to see fish and bait swimming, in real time, around or under your boat — even when the boat is not moving.

PANOPTIX FORWARD

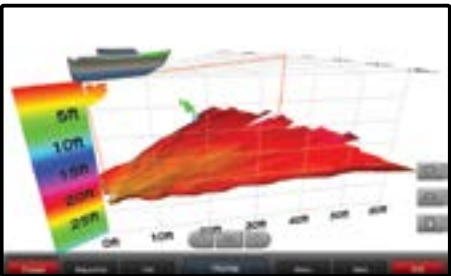
Includes 3 forward views: LiveVü Forward, RealVü 3-D Forward and FrontVü.

LIVEVÜ FORWARD



Provides a live sonar look at fish swimming and moving toward or away from the boat. Cast right at fish. See your lure. See fish react to your lure. See and feel the strike.

REALVÜ 3D FORWARD



Scans the area in front of your boat, creating a forward-looking 3-D view of the bottom, structure and fish¹.

FRONTVÜ

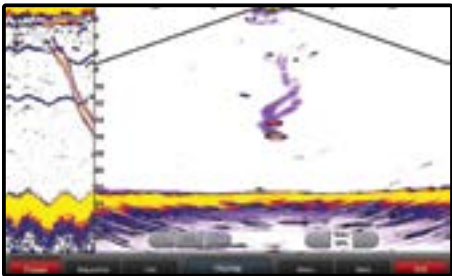


To help give you time to avoid collisions² with submerged obstacles, FrontVü shows underwater obstructions within a 300' range as you approach them in real time.

PANOPTIX DOWN

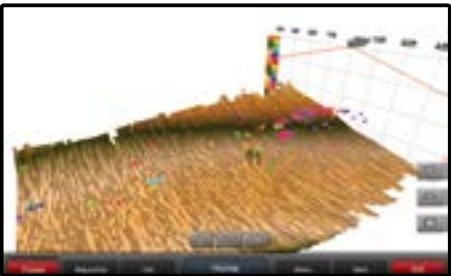
Includes 3 downward views: LiveVü Down, RealVü 3-D Historical and RealVü 3-D Down.

LIVEVÜ DOWN



Shows real-time moving sonar images of small baitfish and large target fish swimming below your boat and pinpoints their distance left or right and their depths.

REALVÜ 3-D HISTORICAL



Scrolls through sonar data as the boat moves to show the history of the entire water column from the bottom to the surface and all the fish in between.

REALVÜ 3-D DOWN



Scans below the boat — front to back and side to side — to construct a full 3-D view of the area under the boat, letting you see contour changes, fish and structure, even while stationary.

PANOPTIX FRONTVÜ SONAR



Multibeam thru-hull transducer with premium FrontVü forward-looking sonar helps you avoid running aground¹ by displaying the bottom ahead of your boat in real time on your chartplotter. It also includes LiveVü Forward sonar to show you fish — even divers — swimming in real time under and ahead of your boat with a 300' forward range.



THE LINEUP

	PS21-TM 010-01588-01	PS22-TR 010-01945-00	PS30 010-01284-00	PS31 010-01284-01	PS51-TH 010-01753-00	PS60 010-01406-00
RealVü 3-D Down			•			•
RealVü 3-D Historical			•			•
LiveVü Down		•	•			•
RealVü 3-D Forward				•		
LiveVü Forward	•	•		•	•	
FrontVü Forward	•	•		•	•	
Independent Power Connection	•	•	•	•	•	•
Transom Mount Included	• ¹		•	• ²		
Trolling Motor Mount Included		•		•		
Thru-Hull Mount and Fairing Block					•	•

¹The forward-facing transom mount should be mounted in a location that is out of the water as speeds over 17 knots. If located below the waterline, cruising speeds over 21 knots should be avoided. • ²The ability to effectively avoid running aground with FrontVü sonar decreases as speed rises above 8 knots.

¹The ability to effectively avoid running aground with FrontVü sonar decreases as speed rises above 8 knots. • ²The forward-facing transom mount should be mounted in a location that is out of the water as speeds over 17 knots. If located below the waterline, cruising speeds over 21 knots should be avoided.

SCANNING SONAR SYSTEM

ULTRA HIGH-DEFINITION



The Ultra High-Definition Scanning Sonar System redefines scanning sonar. See everything below and off to the sides of your boat in amazingly sharp, crisp detail. Share Ultra High-Definition scanning sonar images seamlessly across multiple networked chartplotters. You can also add optional Panoptix™ all-seeing sonar to your networked sonars. The system includes an easy-to-install, networking GCV 20 sonar black box with an included three-array GT34UHD transducer to provide scanning sonar images in ultra high-definition.

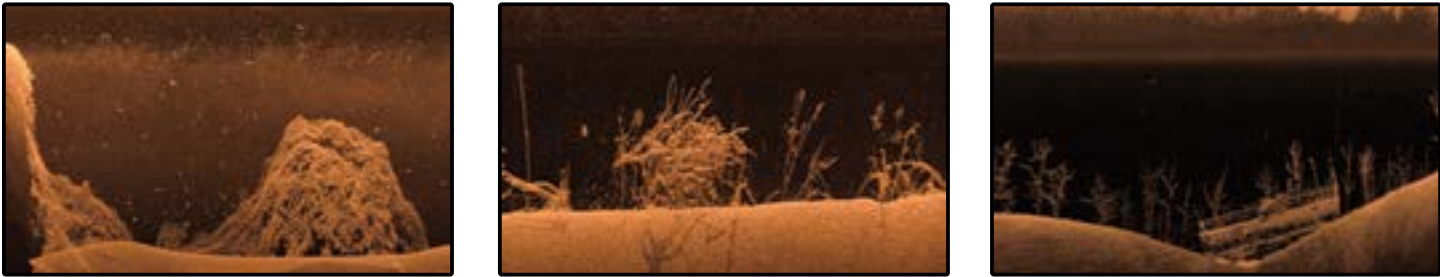
010-02055-00 Ultra High-Definition scanning sonar system

Also available are all-in-one Ultra High-Definition transducers for use with ECHOMAP Ultra, ECHOMAP UHD and GPSMAP 8600xsv chartplotter/sonar combos.

010-12908-00 GT24 Ultra High-Definition ClearVü stand-alone transducer
010-12909-00 GT54 Ultra High-Definition ClearVü and SideVü stand-alone transducer

ULTRA HIGH-DEFINITION CLEARVÜ

This sonar system provides brilliant image clarity of structure and fish below your boat at greater depths than other high-frequency scanning sonars by utilizing a downward-facing element to put more power on targets.



ULTRA HIGH-DEFINITION SIDEVÜ

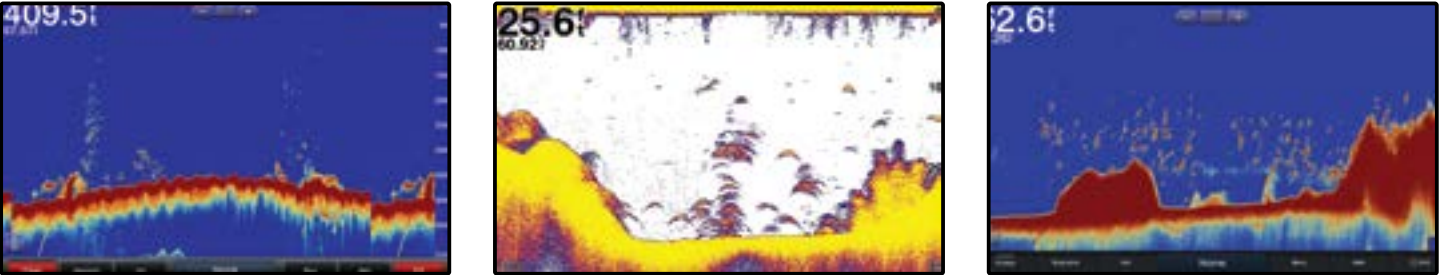
See stunningly clear images of structure and fish off to the sides of your boat. This makes it easy to scout a fishing area quickly because you can see everything the first time with clarity.



CHIRP SONAR

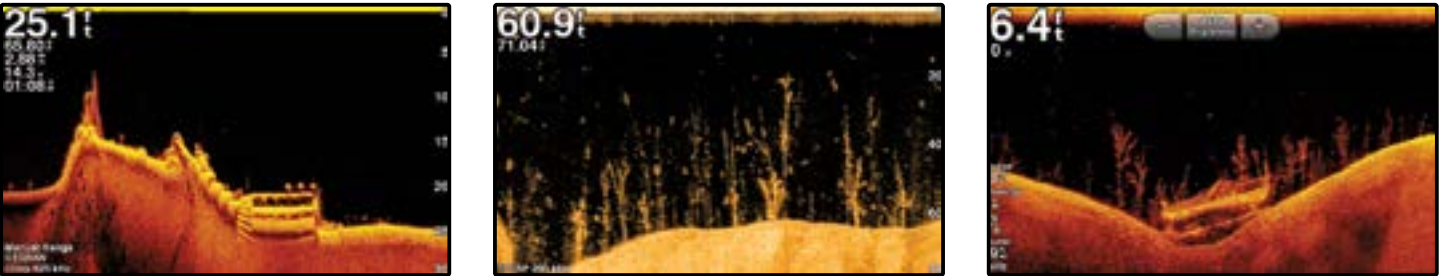
TRADITIONAL CHIRP SONAR

Garmin CHIRP traditional sonar sends a continuous sweep of frequencies ranging from low to high. This sweep of frequencies provides a wide range of data to create an amazingly clear, high-resolution image.



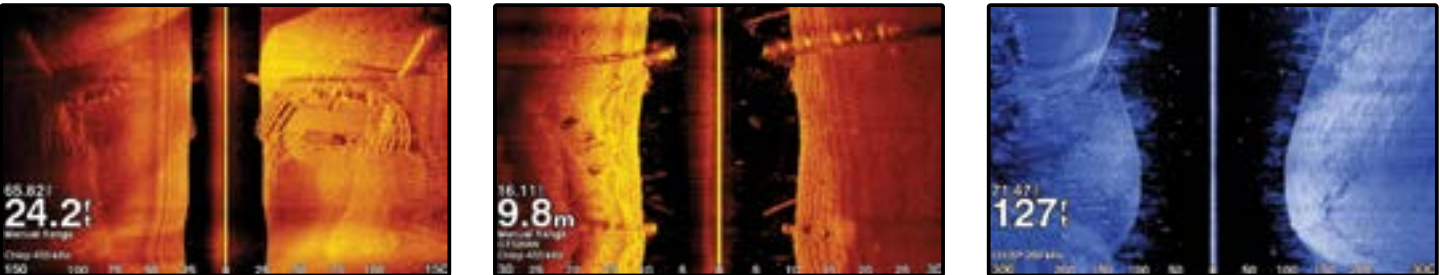
CHIRP CLEARVÜ

ClearVü with CHIRP technology is high-frequency sonar that delivers an amazingly clear picture of what's under your boat. ClearVü produces an ultra-clear image for a more detailed representation of objects, structure and fish.



CHIRP SIDEVÜ

SideVü with CHIRP technology provides a highly detailed, high-resolution image of structure and fish off to either side of your boat. It's excellent for scouting, finding fish and the right types of structures for successful fishing.





CARTOGRAPHY AND APPS

**THE BEST OF GARMIN WITH
THE BEST OF NAVIONICS®**

Experience unparalleled coverage and brilliant detail when you're on the water. BlueChart® g3 coastal charts and LakeVü g3 inland maps now provide exceptional coverage, clarity and detail with integrated Garmin and Navionics content.

BLUECHART® COASTAL CHARTS

FEATURING  NAVIONICS® DATA

Worldwide coverage available

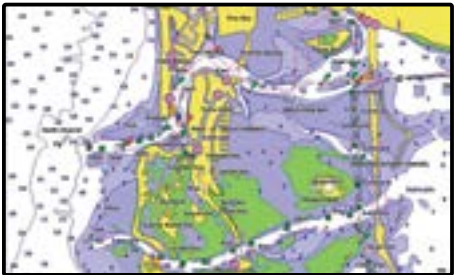
LAKEVÜ INLAND MAPS

FEATURING  NAVIONICS® DATA

BLUECHART® G3 □

Experience unparalleled coverage and brilliant detail when you're on the water. BlueChart g3 coastal charts provide exceptional coverage, clarity and detail with integrated Garmin and Navionics content. The charts also calculate suggested routes with Auto Guidance¹.

ADVANCED CHART DETAIL □ ■

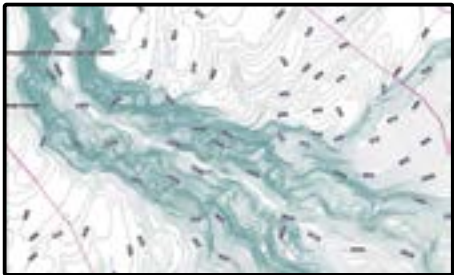


Highly detailed charts with Navionics data help mariners guide their boats in and out of port with confidence.

BLUECHART® G3 VISION ■

BlueChart g3 Vision is our premium chart offering, which includes all the reliability, features and integrated Garmin and Navionics® content of BlueChart g3 while adding even more exceptional features like high-resolution relief shading to help you along your journeys.

DETAILED CONTOURS □ ■



BlueChart g3 features up to 1' contours that provide a more accurate depiction of bottom structure for improved fishing charts and enhanced detail in swamps, canals and port plans.

AUTO GUIDANCE □ ■

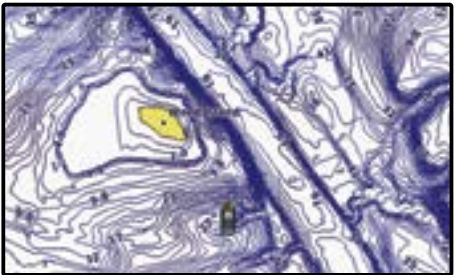


The charts calculate suggested routes with Auto Guidance¹.

LAKEVÜ G3 □

LakeVü g3 inland maps provide exceptional coverage, clarity and detail with integrated Garmin and Navionics® content. The charts also calculate suggested routes with Auto Guidance¹. You'll get coverage on more than 17,000 lakes with up to 1' contours.

1' CONTOURS □ ■



1' contours provide a detailed and clear view of the lake floor so you can catch more fish and navigate with confidence.

LAKEVÜ G3 ULTRA ■

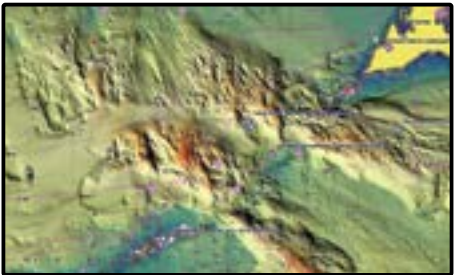
Our premium inland map collection, divided into East and West regions, includes all the exceptional features of LakeVü g3, while adding extra mapping features like high-resolution relief shading and more than 150 Garmin Elite Survey Lakes.

AUTO GUIDANCE □ ■



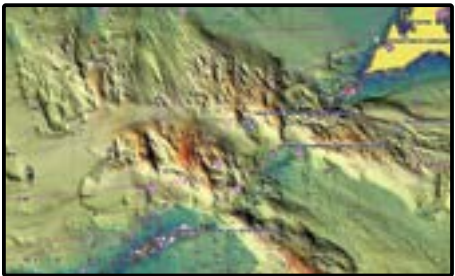
The charts calculate suggested routes with Auto Guidance¹.

HIGH-RESOLUTION RELIEF SHADING ■



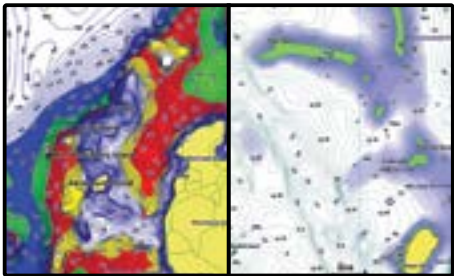
Highly-detailed shading that combines color and shadow to provide an easy-to-interpret, clearer view of bottom structure than contour lines alone

HIGH-RESOLUTION RELIEF SHADING ■



Highly-detailed shading that combines color and shadow to provide an easy-to-interpret, clearer view of bottom structure than contour lines alone.

DEPTH RANGE/SHALLOW WATER SHADING □ ■



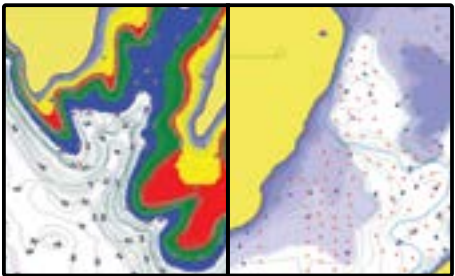
High-resolution depth range shading for up to 10 depth ranges and shallow water shading for a user-defined depth gives a clear picture of shallow waters to avoid.

HIGH-RESOLUTION SATELLITE IMAGERY ■



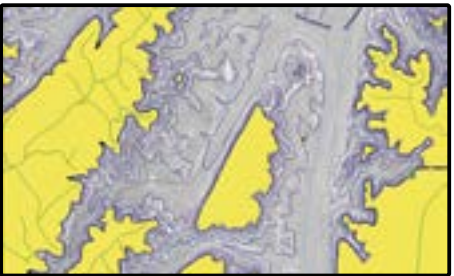
High-resolution satellite imagery overlaid onto navigational charts provides a realistic view of your surroundings.

DEPTH RANGE/SHALLOW WATER SHADING □ ■



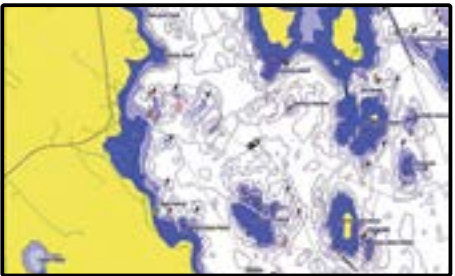
High-resolution depth range shading for up to 10 depth ranges and shallow water shading for a user-defined depth gives a clear picture of shallow waters to avoid.

SONAR IMAGERY ■



Sonar imagery shows a nearly photographic view of the bottom, as if all the water had been drained away.

DYNAMIC LAKE LEVEL ■



Adjust your maps to the lake's current water levels to see if spots are accessible or too shallow to explore.

AERIAL PHOTOGRAPHY ■



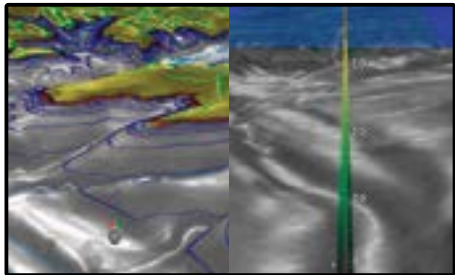
Pictures show exceptional detail of many ports, harbors and marinas. This is ideal when entering unfamiliar ports.

RASTER CARTOGRAPHY □ ■



Download NOAA raster areas for free via the ActiveCaptain® app to provide enhanced clarity and consistency.

3-D VIEWS ■



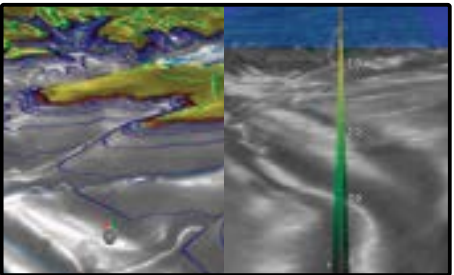
MarinersEye and FishEye views provide 3-D representations of the surrounding area above and below the waterline.

HIGH-RESOLUTION SATELLITE IMAGERY ■



High-resolution satellite imagery provides superior situational awareness.

3-D VIEWS ■



MarinersEye and FishEye views provide 3-D representations of the surrounding area above and below the waterline.

¹Auto Guidance is for planning purposes only and does not replace safe navigation operations. Not all chart features will display on all devices, particularly legacy devices. As engineering enhancements are ongoing, new features may not display on such legacy products, as well.

¹Auto Guidance is for planning purposes only and does not replace safe navigation operations

CANADA LAKEVÜ G3

FEATURING  NAVIONICS® DATA



Canada LakeVü g3 gives you coverage on more than 13,500 total lakes, 4,800 of which are HD maps with up to 1' contours that provide a clearer lake floor views, allowing you to catch more fish and navigate with confidence

~~~~~

Auto Guidance features show the suggested route to a destination<sup>1</sup>

~~~~~

Depth Range Shading enables you to view your target depth at a glance for up to 10 depth ranges

~~~~~

Shallow Water Shading lets you input and shade a minimum depth to help you avoid running aground

~~~~~

Displays detailed shorelines and coastlines as well as underwater features such as riverbeds, fish attractors and potential hazards

CANADA LAKEVÜ G3 ULTRA

Our premium inland maps for Canada include everything available with Canada LakeVü g3 and add:

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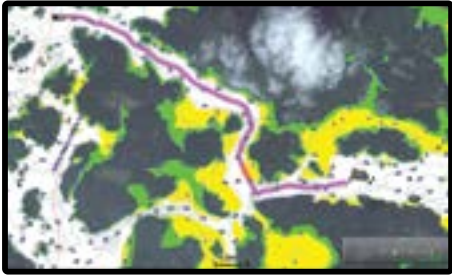
High-resolution Relief Shading to make it easier to see contours and find fish holding structure

~~~~~

Unique 3-D views such as MarinersEye and FishEye for additional perspective both above and below the waterline

~~~~~

Dynamic Lake Level adjusts the map based on current water levels



# STANDARD MAPPING®



Standard Mapping cartography is compatible with select Garmin chartplotters and MFDs. These accessory cards provide highly detailed, locally sourced data with rich updated imagery to help you navigate your favorite areas with confidence. Available regions include Texas, Louisiana, Mississippi, Alabama and Florida. Choose from classic, premium or professional accessory cards.

# ACTIVECAPTAIN® APP



Give yourself the advantages of the ultimate connected boating experience. Download the free all-in-one ActiveCaptain app. It provides you with a powerful connection to your Garmin chartplotter, charts, maps and the community. Wherever you are, you can have unlimited access to your cartography, purchase new maps and charts, and access the Garmin Quickdraw™ Contours Community.

## SPECIAL ACTIVECAPTAIN FEATURES

- ~~~~~  
OneChart™ gives you access to all your charts and maps from your mobile device and lets you purchase new ones
- ~~~~~  
Receive smart notifications, such as calls and texts, on your chartplotter display when paired with the app
- ~~~~~  
Download software updates and notifications from the app directly to your Garmin devices
- ~~~~~  
Connect to fellow boaters with the ActiveCaptain community for up-to-date feedback on marinas and other points of interest
- ~~~~~  
Make, save and transfer routes and waypoints between the app and chartplotter – with zero button presses<sup>1</sup>
- ~~~~~  
Easily upload and download the latest Garmin Quickdraw™ Contours content from the community – with zero button presses<sup>1</sup>
- ~~~~~  
View and control your chartplotter from your smartphone or tablet



<sup>1</sup>Auto Guidance is for planning purposes only and does not replace safe navigation operations. Not all map features will display on all devices, particularly legacy devices. As engineering enhancements are ongoing, new features may not display on such legacy products.

<sup>1</sup>Zero button presses applies to GPSMAP® chartplotters



# WORLD LEADERS IN CARTOGRAPHY



Since Garmin and Navionics came together, we have been combining the best of our data and technology to produce superior cartography products.

## EACH PRODUCT OFFERS THREE LAYERS OF CONTENT

### NAUTICAL CHART

Essential cartographic reference detail for cruising, sailing and fishing: port plans, safety depth contours, marine services, tides and currents, and navigation aids.

### SONARCHART™

An HD bathymetry map featuring extraordinary bottom contour detail for marine and lake areas. Great for increasing awareness of shallow waters and for locating fishing areas at any depth level.

### COMMUNITY EDITS

All kinds of valuable local information is constantly enhanced by users of the Navionics Boating app, such as seasonal buoys, lights, rocks, moorings, boat ramps, points of interest, restaurants and provisioning shops.

Start out from day one with up-to-date charts. A one-year subscription provides access to daily updates and advanced features on compatible chartplotters.

### DOCK-TO-DOCK AUTOROUTING<sup>1</sup>

Head to your next destination with Dock-to-dock Autorouting, which calculates a suggested route, even through narrow passages and channels, based on chart data and your own boat settings.

### SONARCHART LIVE

Create your own maps on the fly. Watch new 1 ft/0.5 m HD bathymetry maps develop in real time as your boat moves along the water.

### ADVANCED MAP OPTIONS

Change the way you view Navionics charts and focus on the details that matter most to you. Highlight shallow areas, adjust contour density or select a fishing range.

### PLOTTER SYNC

Transfer routes and markers, update charts and more between your plotter card and mobile app – wirelessly. You can even activate or renew your card's subscription and upload sonar logs.

## ACCESSORY CARDS

Navionics cartography is available on MSD/SD accessory cards for a variety of hardware brands. The same detailed content is integrated within Garmin BlueChart® g3, BlueChart® g3 Vision, LakeVü g3 or LakeVü g3 Ultra via accessory card or download for Garmin chartplotters and combos.

### NAVIONICS+

Provides complete inshore to offshore marine content, plus rivers, bays, and more than 38,000 lakes around the world. Available in very large coverage areas to more localized chart cuts.

### PLATINUM+

All the marine content of Navionics+, enhanced with additional viewing options: satellite overlay, 3D View and panoramic photos. Choose from coverage areas worldwide.

### INCLUDES SONARCHART SHADING

A detailed rendering of the seafloor and lake bottom delivers a unique perspective of underwater topography at a glance.

### HOTMAPS PLATINUM

A dedicated lakes product with added viewing, covering more than 23,000 lakes within the U.S. and Canada.

## MOBILE APPLICATION



Boating Marine & Lakes is a powerful app with content and features, including ActiveCaptain® Community data, that goes where you go. Great on its own or to supplement your boat's electronics, experience charts and features for all coverage areas for 2 weeks before you subscribe.



# BUILD, MANAGE AND CONTROL

## BUILD A COMPLETE ONBOARD SYSTEM

The Garmin Marine Network and NMEA 2000® network allow you to easily view multiple functions, such as chartplotter, radar, sonar, AIS, on one or more displays. All Garmin Marine Network and NMEA 2000 devices come with an easy plug-and-play setup. The system automatically detects the devices in the network and makes them ready to use.

### NMEA 2000 CONNECTIVITY

Utilize NMEA 2000 to connect FUSION-Link™ enabled audio systems, AIS, VHF, autopilots, engine data, fuel flow sensors and wind sensors.

### GARMIN MARINE NETWORK

Utilize Garmin Marine Network to connect Garmin marine electronics such as sonar, radar, monitoring cameras, video data, and multiple MFDs and chartplotters.

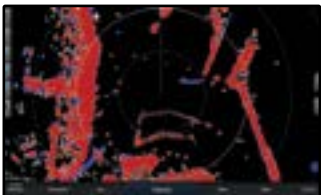
#### WEATHER



#### CAMERA



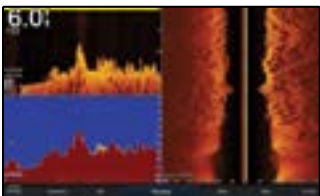
#### RADAR



#### FUSION-LINK



#### SONAR



#### AUTOPILOT



#### ENGINE DATA



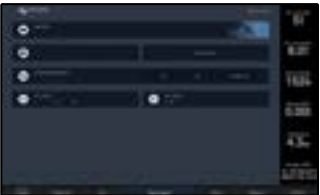
#### WIND SENSOR



## CONTROL. EVERYTHING.

### ONEHELM™

Our integrated solution is designed to work with marine products manufactured by third-party companies to bring you the power and convenience of controlling onboard boat systems such as digital switching, lighting, stabilization and more. It's all in one simple, convenient control center – the screen of your Garmin MFD.



### DIGITAL SWITCHING / EMPIRBUS

These innovative and intelligent products, solutions and services provide a complete suite of embedded systems, power supply and power distribution, creating the backbone for complete digital control and smart boat features. EmpirBus components connected with Garmin MFDs allow cruisers, sailors and anglers to easily control virtually any device on their vessel – from propulsion to pumps, air conditioning to infotainment. This connectivity enhances situational awareness and helps make time on the water even more enjoyable.





# DIGITAL SWITCHING AND MONITORING



EmpirBus brings all the power and convenience of advanced home automation to your vessel by allowing you to control and monitor all onboard electronic systems from your Garmin chartplotter or multifunction display: lighting, wipers, entertainment and security systems, air-conditioning, navigation lights and much more. EmpirBus replaces the standard mechanical circuit breakers and switches with state-of-the-art digital power distribution that provides reliable, convenient and easy-to-use operation.

## ELEGANTLY SEAMLESS

An EmpirBus digital switching system comprises one or more compact digital distribution control modules (DCM) and master control units (MCU). The DCM supports between 16 and 31 circuits that are customized to meet the exact needs of the equipment being controlled. Each DCM connects to the existing NMEA 2000® network backbone, enabling it to communicate with the other DCMs and Garmin multifunctional displays via a WDU unit on the Garmin Marine Network. This flexible network architecture enables the DCMs to be mounted near the equipment they are controlling, providing a system that is simpler to install and troubleshoot. The MCU is the central processor that drives the system, providing computing power, intelligence and decision making. It talks to the other system components via the network.

## CREATIVITY UNBOUND



EmpirBus systems feature fully customizable layouts and graphics that allow for every circuit switch or monitor to be shown in any configuration with a simple drag-and-drop graphic interface builder. Screens can even be personalized by uploading boat images.

## USER INTERFACE FOR COMPATIBLE GARMIN CHARTPLOTTERS



# EMPIRBUS NXT DCM

## EMPIRBUS NXT DCM



EmpirBus NXT DCM provides all the features and functionality of the EmpirBus CLC system and adds exciting new capabilities. EmpirBus NXT DCM provides full control of your vessel, from the motor to advanced lighting, dimming and ambience to complex wiper systems. It has a small footprint and is easy to install and service.

## EMPIRBUS CONNECT 50



EmpirBus Connect 50 is a more compact version of the NXT DCM, designed for smaller or less complex installations. It includes the durability and competence of the NXT DCM and delivers outstanding cost/channel ratio without sacrificing important functionality.

## EMPIRBUS NXT MASTER CONTROL UNIT (MCU)



The EmpirBus NXT MCU is an essential component of a larger NXT installation. It is the central processor that drives the system and provides the computing power, intelligence and decision making. It includes various interfaces for connection to external devices and a remote control port.

## EMPIRBUS WEB DISPLAY UNIT (WDU)



The EmpirBus WDU is a web server unit and system add-on that distributes customized graphics to any device or software that supports HTML5. The WDU allows any EmpirBus system to be controlled and monitored by an optimized user interface. It includes Ethernet, NMEA 2000® and Wi-Fi® connectivity. Optional 4G connectivity adds the ability to use smartphones and tablets to control a fully integrated EmpirBus system.



# MARINE ENTERTAINMENT







THE FUTURE WITH FUSION



Fusion, a Garmin brand, is passionate about enhancing your time on the water. Founded on New Zealand’s trademark “Kiwi” determination, ingenuity and passion for life on the water, our first-hand experience with the ocean and great outdoors has provided a solid understanding of what it really takes to be a successful marine entertainment manufacturer. It is this experience and passion that is at the core of everything we do. Our drive to continually innovate has seen the delivery of many industry- and world-first, award-winning and customer-centric products that have set a new benchmark for marine audio entertainment. A commitment to innovation, quality and brilliant audio on the water – it’s what we do best.



TRUE-MARINE™ DESIGN



Fusion’s True-Marine design philosophy stems from our collective experience confronting harsh marine and outdoor environments. With True-Marine accreditation and an industry-leading 3-year warranty, you can be assured that each product is engineered from the ground up, specifically to last season after season on your boat.

MULTI-ZONE™ TECHNOLOGY



Fusion introduced Multi-Zone technology to the marine industry more than ten years ago, giving you the freedom to independently control the music in up to four separate zones on board. Adjust the balance, subwoofer and volume levels, with each zone able to be named for quick zone identification, providing a simple, quick and easy way to control the audio in each zone of your boat.

FUSION DSP



The power of Fusion DSP enables the optimization of your audio system in each zone on board, providing customized listening in any environment. Every step of the audio chain is calculated and optimized by our engineers to deliver a technically superior listening experience – without the need for you to have the technical understanding. From the kick drum to your eardrum, Fusion DSP ensures you enjoy your music in the quality the musicians intended.

THE WORLD’S FIRST WI-FI® STEREO



Wi-Fi audio streaming provides high-quality audio streaming with a faster data transfer rate in comparison with BLUETOOTH® wireless technology. Seamless Apple AirPlay® 2 streaming is now available over Wi-Fi from a compatible Apple device to the Apollo Series\* stereos, enabling you to stream your music to multiple Apollo units on the same network.

FUSION-LINK™



FUSION-Link makes control of your on-water entertainment simple, convenient and easier than ever. Quickly find your favorite song, tune in to the sports or turn up the volume, all from your partnered multifunction display (MFD) with FUSION-Link over NMEA 2000®.

Download the free FUSION-Link app to bring wireless audio control to the palm of your hand, via BLUETOOTH wireless technology or Wi-Fi with your compatible device. Enjoy wireless audio control with your compatible device and the FUSION-Link app, or right from your wrist with your compatible Garmin watch and the free FUSION-Link Lite app.



APOLLO™ SERIES

An entirely new creation sculpted from the experience of the past, designed with a vision of the future, and delivered in an unparalleled form factor of premium elegance. The Apollo Series has redefined audio excellence through revolutionary technology coupled with innovative design never seen before in the marine industry, forever changing the face of marine entertainment and becoming the standard in which all others will be shaped.

MS-RA770



The world’s most awarded marine stereo Apollo RA770 has redefined audio excellence with FUSION DSP, Apple AirPlay® 2, FUSION PartyBus™ technology, over-the-air software updates, built-in Wi-Fi®, a 4.3” touchscreen display, Class-D amplification, Multi-Zone™ technology with four zones, True-Marine™ design with an IPX7 water resistant front face, FUSION-Link control and more source options than ever before.

MS-RA670

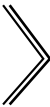


The Apollo RA670 boasts the award-winning innovation of the Apollo Series in a compact form factor. Featuring an optically bonded, full-color LCD display, FUSION DSP, FUSION-Link control, Multi-Zone technology with three zones, optical audio for connection to modern TVs, with the addition of Apple AirPlay 2, over-the-air software updates and PartyBus when connected to a Wi-Fi or Apollo network.

MS-SRX400



A perfect combination of intelligent design and superior sound, the Apollo SRX400 features FUSION DSP, Apple AirPlay 2, PartyBus technology, over-the-air software updates, built-in Wi-Fi, a Class-D amplification, a 2.7” color display, True-Marine™ design with an IPX7 water resistant front face, and FUSION-Link control.



QUALITY, CONVENIENCE, BEST IN CLASS.  
THE ONLY MARINE STEREO WITH Apple AirPlay 2.



The world’s first marine stereo series to bring you seamless high-quality audio streaming from a music app via Apple AirPlay 2\* over Wi-Fi from a compatible Apple device. With Apple AirPlay 2, you can stream the same audio to every compatible Apollo stereo connected to the same network, and enjoy high-quality audio synchronized across the entire vessel with volume control individually or globally.

THE INDUSTRY AWARD-WINNING FEATURES OF THE APOLLO SERIES



FUSION’S DIGITAL SIGNAL PROCESSING

A technically superior listening experience made simple. With FUSION DSP, distortion is a thing of the past. You can now enjoy dynamic, full range audio that is being reproduced to the maximum output of your configured Fusion system. Ensuring you get the most from your system, while providing protection for all of the components.



THE WORLD’S FIRST MARINE WI-FI STEREO

Enjoy the clarity and premium quality of Wi-Fi audio streaming in a world-first for marine stereos, including the convenience of Apple AirPlay 2 and UPnP, with faster data transfer rate and increased connectivity range in comparison with BLUETOOTH streaming.



FUSION-PARTYBUS™

Engineered for those who value the freedom of musical choice, and the freedom to play what they want, where they want, PartyBus is FUSION’s audio distribution network of the future.\*



OVER-THE-AIR SOFTWARE UPDATES

Over-the-air software updates are now available from your compatible device via the free FUSION-Link app, making the Apollo Series intelligently simple and always up to date.\*

\*MS-RA670 will get Apple AirPlay 2, PartyBus and over-the-air software updates when connected to an Apollo Series network enabled with Wi-Fi technology.

\*MS-RA670 will get Apple AirPlay 2, PartyBus and over-the-air software updates when connected to an Apollo Series network enabled with Wi-Fi technology.

Wi-Fi is a registered trademark of the Wi-Fi Alliance. The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Garmin is under license.



SIGNATURE SERIES – THE POWER OF MUSIC



THE POWER OF *Music*

The FUSION Signature Series range has been designed by musicians and engineered by boaties with an unwavering vision of producing exceptional audio systems for those seeking a superior listening experience. The Signature Series offers unparalleled performance in the harshest marine conditions. By designing each product in the range from the ground up and with the full marine entertainment system in mind, we have developed a premium range of loudspeakers, subwoofers and amplifiers that are designed to work perfectly in unison. The result is the formation of a product range that delivers a truly high-quality, purpose-built immersive musical experience.

SPEAKERS



Featuring enhanced acoustics and redesigned sports grilles, the new generation Signature Series range is so acoustically stunning, and at the same time so robust and well-formed, it delivers a truly unprecedented audio experience out on the water. Signature Series speakers are available in 6.5", 7.7" and 8.8" designs with both Classic and Sports styled grilles that incorporate the finest materials and latest acoustic technologies including CURV Cone, silk dome tweeters and optimized magnet structures.

WAKE TOWER SPEAKERS



For those serious about their sounds while enjoying high speeds on the water, the Signature Series Wake Tower speakers deliver it all. Acoustically optimized and engineered for quality audio at any volume level, these speakers are perfect for providing the soundtrack to your on-water antics – even at full speed. Like the original Signature Series, the Wake Tower speakers are pushing the boundaries of what is possible on the water even further, with unparalleled performance in the harsh marine environment.

SUBWOOFERS



Enhance your on-water experience with premium low frequencies. The 10" Signature Series subwoofers deliver a massive 450 watt peak power, providing an increase in real power and efficiency to add another dimension to your music.

AMPLIFIERS



The Signature range is made up of 5 premium, efficient and powerful amplifiers – Monoblock, 4 channel, 5 channel, 6 channel and 8 channel, all designed to take your boating experience to the next level.

XS SERIES MARINE SPEAKERS



Enjoy high-performance acoustics on the water season after season with the new XS Series speakers. Continuing to set the benchmark for marine audio entertainment, these full-range speakers bring you FUSION's trademark quality audio reproduction, enhanced marine aesthetics and now with a full range of RGB spectrum LED lighting, all at a midrange price point.

FM SERIES MARINE SPEAKERS

NEW



The new FM Series marine speakers are engineered to deliver quality acoustics to your vessel in a sleek and minimalistic asthetic to meet the latest boat design trends. The FM Series is designed to be flush mounted with a mounting profile no thicker than 2.5mm [3/32"], for a near flat finish.

THE BENCHMARK FOR MARINE ENTERTAINMENT

MS-RA210

NEW



The new MS-RA210 is a powerful compact marine stereo featuring FUSION's new-look design aesthetics and DSP for an optimized audio entertainment experience. With a brilliant 2.7" optically bonded, full-color LCD, Fusion-Link control, and IPX6 and IPX7 rated from the front face, the MS-RA210 is a sleek addition to your vessel.

MS-RA70 / MS-RA70N / MS-RA70NSX



The value-for-money RA70 Series is perfect for delivering quality audio on board, featuring a DIN sized design, BLUETOOTH wireless technology and ANT® capabilities. Enjoy NMEA 2000® connectivity (MS-RA70N and MS-RA70NSX) and SiriusXM®-ready satellite radio, with advanced features (available only in MS-RA70NSX).

MS-RA55



Perfect for small boats, this compact stereo will keep singing even after exposure to the marine elements. With an IPX5 water-resistant front panel, the MS-RA55 delivers on quality while remaining our most compact and competitively priced marine stereo yet.

WIRELESS REMOTE



ANT®-ENABLED ARX REMOTE

Retrofit your FUSION ANT®-enabled system with the MS-ARX70 ANT remote to enjoy the freedom and convenience of wireless audio control from anywhere around your boat. Rated both IPX6 and IPX7 water resistant, the remote is perfect for the swim platform, bow, transom or anywhere you want quick access to audio adjustments. Including an impressive typical 3-year battery life, on-board audio control have never been so easy.

WIRED REMOTE



NMEA NRX300 WIRED REMOTE

Take control of your audio entertainment and enjoy localized control from any audio zone on your boat. A perfect solution for audio control around your vessel, the MS-NRX300 features a certified NMEA 2000 connector for quick connection to existing networks and FUSION-Link access. With IPX7 water resistance and True-Marine™ accreditation, you can relax knowing that your remote is built to last on board.



# CHARTPLOTTERS





# GPSMAP® 8600 CHARTPLOTTER SERIES

# GPSMAP® PLUS SERIES

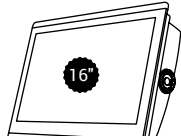
NEW



010-02091-01 | 8610  
010-02091-03 | 8610xsv



010-02092-01 | 8612  
010-02092-03 | 8612xsv



010-02093-01 | 8616  
010-02093-03 | 8616xsv

Chartplotter and chartplotter/sonar combos featuring full HD in-plane switching (IPS) touchscreen displays for wider viewing angles, superior clarity and sunlight readability even with polarized sunglasses. Preloaded BlueChart® g3 U.S. coastal charts and LakeVü g3 inland maps each featuring Navionics® data and Auto Guidance<sup>1</sup> technology.



010-02320-01 | 742  
010-02320-03 | 742xs



010-02321-01 | 942  
010-02321-03 | 942xs



010-02322-01 | 1242  
010-02322-03 | 1242xsv

Fully networkable chartplotters and chartplotter/sonar touchscreen combos with keyed assist, traditional and scanning sonar capabilities<sup>1</sup>, J1939 engine connectivity, OneHelm™ digital switching capabilities, preloaded BlueChart® g3 U.S. coastal charts and LakeVü g3 inland maps.

- »

HIGH-RESOLUTION,  
IPS TOUCHSCREEN DISPLAY
- HIGH-PERFORMANCE PROCESSOR
- FULLY NETWORKABLE
- XSV MODELS INCLUDE BUILT-IN SUPPORT FOR  
THE FULL SUITE OF GARMIN SONAR OPTIONS

«

## ULTRA HIGH-DEFINITION SONAR



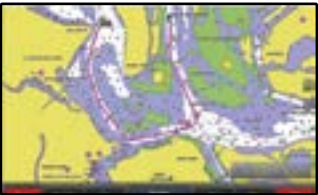
Built-in support for the Ultra High-Definition scanning sonar system, no black box needed.

## PANOPTIX LIVESCOPE™



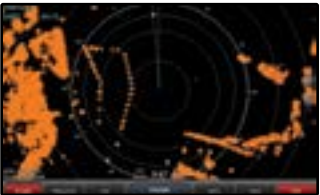
Supports all Panoptix sonar, including Panoptix LiveScope system.

## BLUECHART G3 CHARTS



Highly detailed maps and cartography featuring Navionics data and Auto Guidance technology<sup>1</sup>.

## GMR FANTOM™ RADAR



Supports Fantom radar with MotionScope™ technology.

## ADDITIONAL SERIES FEATURES

- Full HD IPS touchscreen display for wider viewing angles, superior clarity and sunlight readability even with polarized sunglasses
- Built-in support for the full suite of Garmin sonar capabilities: CHIRP traditional, ClearVü and SideVü scanning sonars, Ultra-High Definition scanning sonar (no black box needed), the Panoptix LiveScope system, Panoptix LiveScope™ LVS12 and the full line of Panoptix sonars (transducers sold separately)
- Adds a stunning appearance with ability to install multiple displays either flat mounted edge to edge to create a sleek glass helm look or mounted flush
- Fully NMEA 2000® and Garmin Marine Network capable to easily build your marine system, from sonar, radar and autopilots to instruments, cameras and multimedia
- BLUETOOTH®, ANT®, Wi-Fi® connectivity for quatix® 5, VIRB® 360, gWind™ Wireless 2 and more

- Use exclusive OneHelm™ feature to connect to many third-party devices for full control of your boat on your chartplotter screen
- Preloaded with Garmin exclusive BlueChart g3 coastal charts and LakeVu g3 inland maps, which have integrated Navionics data, as well as Auto Guidance<sup>1</sup>
- SmartMode™ station controls enable presets for one-touch access to docking, cruising, fishing, anchoring and more
- Built-in SailAssist provides data, displays and prerace guidance needed to gain a competitive edge
- Use built-in Wi-Fi to pair with the free ActiveCaptain® app for access to OneChart™, smart notifications<sup>2</sup>, Garmin Quickdraw™ Community data and more
- Compatible with Force™ trolling motor for full control of the motor from the chartplotter screen, plus the ability to route to waypoints, follow tracks and more.

- »

J1939 ENGINE  
CONNECTIVITY
- ONEHELM™  
DIGITAL SWITCHING  
CAPABILITIES
- ALL MODELS INCLUDE OR SUPPORT 1 KW CHIRP  
TRADITIONAL AND CLEARVÜ SCANNING SONAR,  
12" XSV MODEL ADDS SIDEVÜ SCANNING SONAR  
(TRANSDUCERS SOLD SEPARATELY)
- PRELOADED WITH BLUECHART®  
G3 AND LAKEVU G3 CARTOGRAPHY  
WITH AUTO GUIDANCE TECHNOLOGY<sup>2</sup>

«

## ONEHELM™ SUPPORT



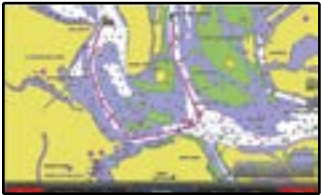
OneHelm™ puts nearly all your controls at your fingertips, including EmpirBus™ digital switching.

## PANOPTIX LIVESCOPE™



Supports all Panoptix™ sonar, including Panoptix LiveScope™ System (sold separately).

## BLUECHART G3 CHARTS



Highly detailed maps and cartography featuring Navionics® data and Auto Guidance technology<sup>2</sup>.

## NMEA 2000® AND NMEA 0183 NETWORKS



Connect with autopilots, FUSION-Link™ audio system and engine data.

## ADDITIONAL SERIES FEATURES

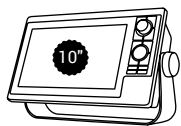
- Bright, easy-to-use, sunlight-readable touchscreen display, with keyed assist on 7" and 9" models
- Fully network capable to build your marine system, from radar, autopilot, sonar modules and sensors to Axis and FLIR thermal cameras and GXM™ 53 marine weather receiver
- Supports FUSION-Link™ audio system and VIRB® camera streaming
- Network sharing allows you to share data with all compatible units connected to the network
- Built-in Wi-Fi® pairs with the free ActiveCaptain® app for access to OneChart™, which allows purchase and download of new charts plus access to smart notifications<sup>3</sup>, software updates, Garmin Quickdraw™ Community data and more
- Includes Quickdraw Contours mapping software to create custom maps with 1' contours as you fish (optional sonar transducer required)
- Built-in Garmin SailAssist™ features, including laylines, race features, set and drift, wind data and more
- Compatible with Force™ trolling motor for full control of the motor from the chartplotter screen, plus the ability to route to waypoints, follow tracks and more

<sup>1</sup>Auto Guidance is for planning purposes only and does not replace safe navigation operations • <sup>2</sup>When paired with a compatible smartphone; see [Garmin.com/ble](http://Garmin.com/ble) • Wi-Fi is a registered trademark of the Wi-Fi Alliance. • The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Garmin is under license.

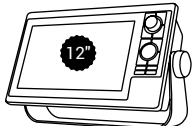
<sup>1</sup>Available with or without included transducer  
<sup>2</sup>Auto Guidance is for planning purposes only and does not replace safe navigation operations  
<sup>3</sup>When paired with a compatible device; see [Garmin.com/ble](http://Garmin.com/ble)



# GPSMAP® 1042/1242 SERIES



010-01740-11 | 1042



010-01741-11 | 1242

All-in-one networking chartplotter/sonar combos with keypad interfaces and multifunction control knob, traditional and scanning sonar capabilities<sup>1</sup>, preloaded BlueChart® g3 U.S. coastal charts and LakeVü g3 inland maps each featuring Navionics® data and Auto Guidance<sup>2</sup> technology.

» KEYED INTERFACE WITH MULTIFUNCTION CONTROL KNOB

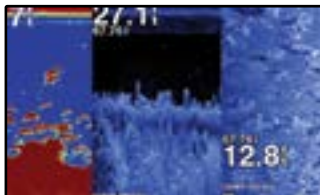
FULLY NETWORKABLE

BUILT-IN CHIRP TRADITIONAL, CLEARVÜ AND SIDEVÜ SCANNING SONAR

PRELOADED BLUECHART G3 CHARTS FEATURING NAVIONICS DATA AND AUTO GUIDANCE<sup>2</sup>

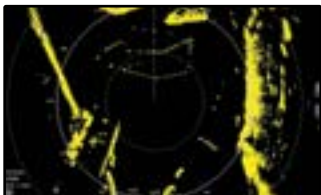
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## BUILT-IN SONAR



All feature incredibly real CHIRP Traditional sonar.

## FANTOM™ RADAR



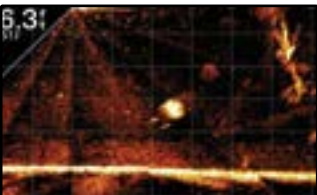
Supports Phantom radar with MotionScope™ technology.

## BLUECHART G3 CHARTS



Highly detailed maps and cartography featuring Navionics data and Auto Guidance technology<sup>2</sup>.

## PANOPTIX LIVESCOPE™



Supports all Panoptix sonar, including Panoptix LiveScope System.

## ADDITIONAL SERIES FEATURES

- Built-in Garmin single-channel 1 kW CHIRP traditional sonar, 1 kW CHIRP ClearVü and CHIRP SideVü scanning sonar<sup>1</sup>
- Supports all compatible Garmin sonar options plus black box sonar systems; view multiple sources simultaneously
- Full digital switching system allows you to power up your boat while away from the dock, switch on pumps and control lights — even underwater lights

- Network-compatible connectivity includes Wi-Fi®, ANT® technology, Ethernet ports, NMEA 2000®, HDMI and USB ports, FUSION-Link™ integration
- Built-in Garmin SailAssist™ feature provides data, displays and prerace guidance needed to gain a competitive edge
- ActiveCaptain® application support

# ECHOMAP® ULTRA SERIES



010-02112-00 | 106  
010-02112-01 | 106 + transducer



010-02114-00 | 126  
010-02114-01 | 126 + transducer

All the fishing tools are built-in. Chartplotter/sonar combos with keyed-assist touchscreen displays. Built-in CHIRP traditional and Ultra High-Definition ClearVü and SideVü scanning sonar<sup>1</sup>. Supports our full line of Panoptix™ sonars. Preloaded BlueChart® g3 coastal charts and LakeVü g3 inland maps each featuring Navionics® data and Auto Guidance technology<sup>2</sup>.

» KEYED-ASSIST TOUCHSCREEN DISPLAY

BUILT-IN CHIRP TRADITIONAL AND ULTRA HIGH-DEFINITION, CLEARVÜ AND SIDEVÜ SCANNING SONAR<sup>1</sup>

PRELOADED BLUECHART G3 CHARTS AND LAKEVÜ G3 MAPS FEATURING NAVIONICS DATA AND AUTO GUIDANCE<sup>2</sup>

SHARE SONAR, WAYPOINTS AND ROUTES<sup>3</sup>

«

## ULTRA HIGH-DEFINITION SONAR



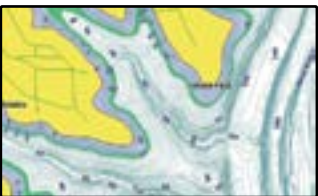
Built-in support for the Ultra High-Definition scanning sonar system, no black box needed.

## PANOPTIX LIVESCOPE™



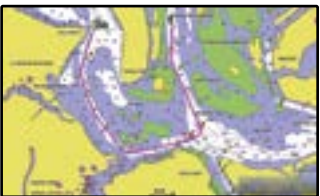
Supports all Panoptix sonar, including the Panoptix LiveScope System and Panoptix LiveScope™ LVS12.

## LAKEVÜ G3 MAPS



Highly detailed inland maps featuring Navionics data.

## BLUECHART G3 CHARTS



Highly detailed maps and cartography featuring Navionics data.

## ADDITIONAL SERIES FEATURES

- Built-in Quickdraw Contours mapping software instantly creates personalized fishing maps on-screen with 1' contours as you fish
- Built-in Wi-Fi® connectivity pairs with free ActiveCaptain® app for access to OneChart™ to purchase and download new charts; also receive smart notifications<sup>4</sup>, software updates, Garmin Quickdraw™ Community data and more
- Network capable with NMEA 2000® connectivity and support for heading sensors, autopilots, digital switching and FUSION-Link™ audio system and more
- Quick-disconnect bail mount
- Compatible with Force™ trolling motor for full control of the motor from the chartplotter screen, plus the ability to route to waypoints, follow tracks and more
- Share sonar, waypoints and routes with other ECHOMAP Ultra units and ECHOMAP UHD 7" and 9" units

<sup>1</sup>Available with or without included transducer • <sup>2</sup>Auto Guidance is for planning purposes only and does not replace safe navigation operations • <sup>3</sup>With other ECHOMAP™ Ultra 10" and 12" units as well as ECHOMAP™ Plus 7" and 9" units • <sup>4</sup>When paired with a compatible smartphone; see [Garmin.com/ble](http://Garmin.com/ble) • Wi-Fi is a registered trademark of the Wi-Fi Alliance.

<sup>1</sup>Available with or without included transducer • <sup>2</sup>Auto Guidance is for planning purposes only and does not replace safe navigation operations • <sup>3</sup>With other ECHOMAP™ Ultra 10" and 12" units as well as ECHOMAP™ Plus 7" and 9" units • <sup>4</sup>When paired with a compatible smartphone; see [Garmin.com/ble](http://Garmin.com/ble) • Wi-Fi is a registered trademark of the Wi-Fi Alliance.



NEW

# ECHOMAP™ UHD SERIES



010-02330-01 | 63cv  
010-02331-01|64cv



010-02334-01 | 73cv  
010-02338-01 | 73sv  
010-02335-01|74cv  
010-02339-01|74sv



010-02342-01 | 93sv  
010-02343-01|94sv

The 6" keyed and 7" and 9" touchscreen chartplotter/sonar combos with keyed assist<sup>1</sup> include or support transducers for Ultra High-Definition ClearVü and SideVü scanning sonar and Garmin CHIRP traditional sonar.

- » BUILT-IN CHIRP TRADITIONAL AND ULTRA HIGH-DEFINITION CLEARVÜ AND SIDEVÜ SCANNING SONAR<sup>2</sup>
- SHARE SONAR, WAYPOINTS AND ROUTES WITH OTHER ECHOMAP™ DEVICES
- NMEA 2000® AND NMEA 0183 NETWORK SUPPORT FOR AUTOPILOT AND ENGINE DATA
- PRELOADED BLUECHART® G3 COASTAL CHARTS OR LAKEVÜ G3 INLAND MAPS WITH NAVIONICS® DATA AND AUTO GUIDANCE<sup>3</sup> «

## ULTRA HIGH-DEFINITION SONAR



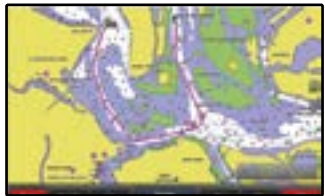
Built-in support for the Ultra High-Definition scanning sonar system, no black box needed.

## PANOPTIX LIVESCOPE™



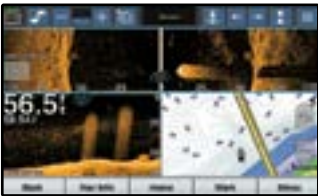
Supports all Panoptix™ sonar, including Panoptix LiveScope™ System (7" and 9" models only).

## LAKEVÜ G3 OR BLUECHART G3



Highly detailed inland maps or coastal charts featuring Navionics data and Auto Guidance technology.

## FORCE™ TROLLING MOTOR COMPATIBLE



Get full control of the motor from the screen, plus the ability to route to waypoints, follow tracks and more (7" and 9" models only).

## ADDITIONAL SERIES FEATURES

- Quick-release bail mount for fast and easy mobility
- Built-in Wi-Fi® connectivity pairs with free ActiveCaptain® app for access to OneChart™ to purchase and download new charts; also receive smart notifications<sup>4</sup>, software updates, Garmin Quickdraw™
- Community data and more

7" and 9" models are compatible with Force™ trolling motor for full control of the motor from the chartplotter screen, plus the ability to route to waypoints, follow tracks and more

7" and 9" models can share sonar, waypoints and routes with other ECHOMAP UHD 7" and 9" units and ECHOMAP Ultra 10" and 12" units

# ECHOMAP® PLUS SERIES



Easy-to-use, easy-to-set up chartplotter/sonar combos with keyed-assist touchscreens<sup>1</sup>, incredibly clear CHIRP traditional sonar, CHIRP ClearVü and CHIRP SideVü scanning sonar. Offers choice of preloaded BlueChart® g3 U.S. coastal charts or LakeVü g3 inland maps, each featuring Navionics® data and Auto Guidance technology<sup>2</sup>.

- » SUNLIGHT-READABLE DISPLAY
- BUILT-IN CHIRP TRADITIONAL AND CLEARVÜ SCANNING SONAR
- PRELOADED WITH BLUECHART G3 OR LAKEVÜ G3 CARTOGRAPHY
- BUILT-IN QUICKDRAW CONTOURS «

## BUILT-IN SONAR



All feature incredibly real CHIRP traditional and scanning sonar.

## QUICKDRAW CONTOURS MAPPING



Create and store maps as you fish with 1' contours for up to 2 million acres.

## LAKEVÜ G3 OR BLUECHART G3



Highly detailed inland maps featuring Navionics data.

## BLUECHART G3 CHARTS



Highly detailed coastal charts featuring Navionics data.

## THE LINEUP

|                                | 43cv<br>010-01885-01 | 44cv<br>010-01886-01 | 45cv<br>010-01887-00 |
|--------------------------------|----------------------|----------------------|----------------------|
| Preloaded BlueChart g3 Charts  |                      | •                    |                      |
| Preloaded LakeVü Maps          | •                    |                      |                      |
| Preloaded Canada Maps          |                      |                      | •                    |
| CHIRP ClearVü <sup>1</sup>     | •                    | •                    | •                    |
| CHIRP SideVü <sup>1</sup>      |                      |                      |                      |
| CHIRP Traditional <sup>1</sup> | •                    | •                    | •                    |
| Panoptix™ Support              |                      |                      |                      |
| Quickdraw Contours             | •                    | •                    | •                    |
| Quick Release Mount            | •                    | •                    | •                    |

<sup>1</sup>Available with or without included transducer <sup>2</sup>CV units support ClearVü sonar only SV units support both ClearVü and SideVü sonars  
<sup>3</sup>Auto Guidance is for planning purposes only and does not replace safe navigation operations <sup>4</sup>When paired with a compatible smartphone; see Garmin.com/ble

<sup>1</sup>Available with or without included transducer  
<sup>2</sup>Auto Guidance is for planning purposes only and does not replace safe navigation operations



# TROLLING MOTORS





# FORCE™ TROLLING MOTOR SERIES

Fish with force using the 50" or 57" Force trolling motors. They are the most powerful<sup>1</sup> trolling motors on the water, so you can burst through weeds and fight the winds and currents with ease. They're more efficient at 24 V than other 36 V systems, so you can fish for longer. With nearly undetectable sonar interference, they won't scare fish or fuzz up your sonar screens with static. A wireless foot pedal works with the same feel as a cable-steered pedal. And a remote control lets you navigate to another spot on the water with a simple hand gesture. Ultra High-Definition scanning sonar and CHIRP traditional sonar are built-in and fully integrated, plus they connect wirelessly to Garmin chartplotters for navigation, autopilot and anchor lock.

## WIRELESS FOOT PEDAL

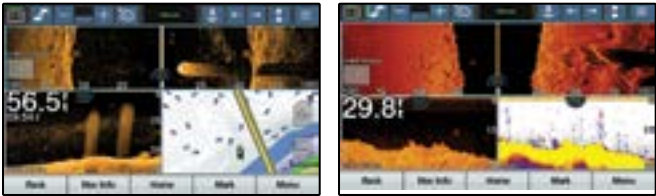
Powered by AA batteries, the wireless foot pedal provides instant control and responsiveness, yet feels and steers just like a cable-steered pedal.

## REMOTE CONTROL

Operate your trolling motor from anywhere on the boat with point-and-go gesture steering capabilities. User-programmable keys let you control your chartplotter, too.

## CHARTPLOTTER INTEGRATION

Wirelessly connect to your chartplotter to route to waypoints, follow tracks while you fish and use Force's built-in autopilot with integrated heading sensor and GPS.



BRUSHLESS MOTOR OPERATES AT 24 V OR 36 V

WIRELESS CONNECTIVITY TO COMPATIBLE CHARTPLOTTER FOR NAVIGATION, AUTOPILOT AND MORE

INTEGRATED ULTRA HIGH-DEFINITION SCANNING SONAR TRANSDUCER

HIGH-PRECISION ANCHOR LOCK

WIRELESS FOOT PEDAL FEELS AND STEERS LIKE A CABLE-STEERED FOOT PEDAL

FLOATING REMOTE CONTROL WITH POINT-AND-GO GESTURE STEERING



50" - 010-02024-00 \$3,099.99  
57" - 010-02025-00 \$3,199.99

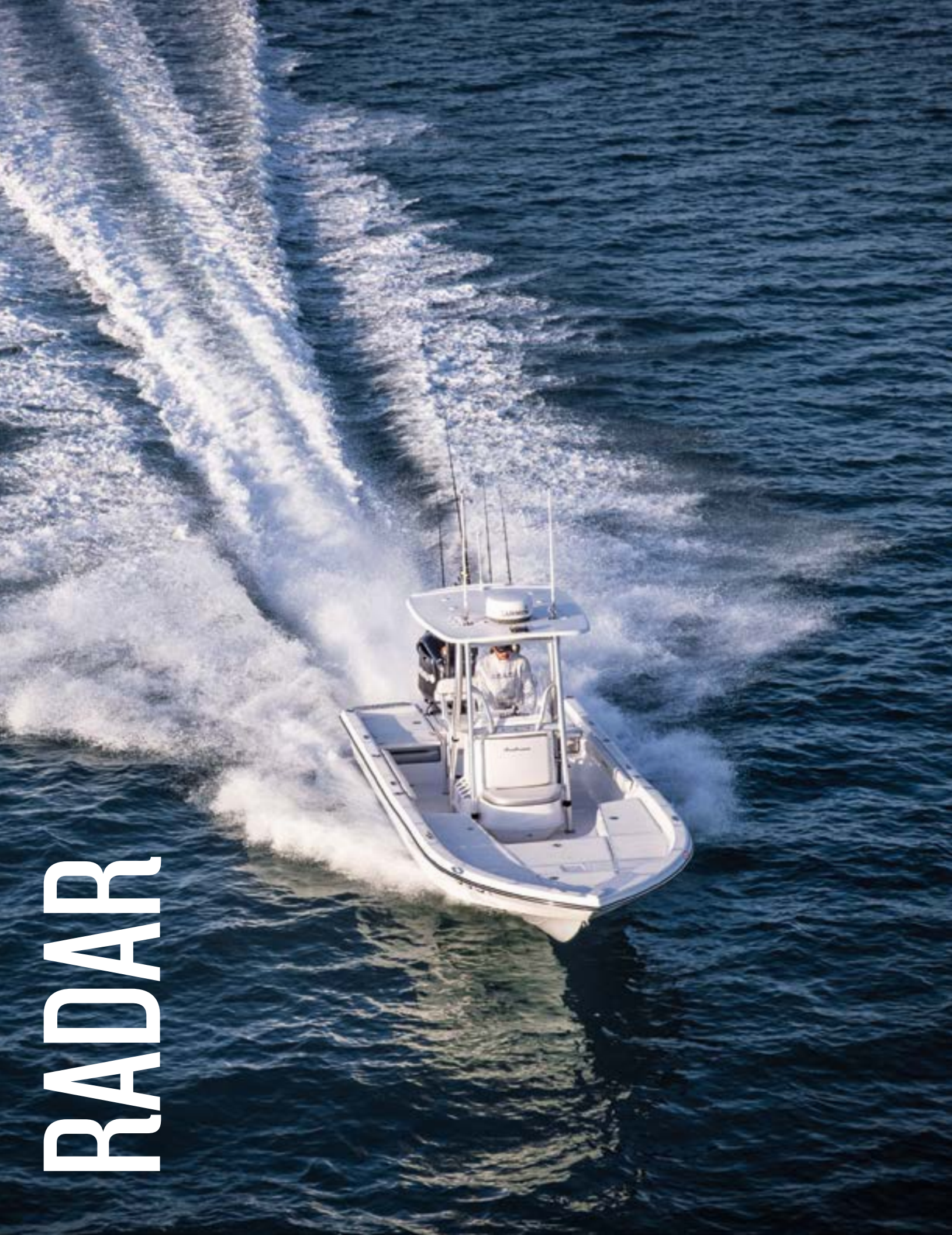


## ACCESSORIES

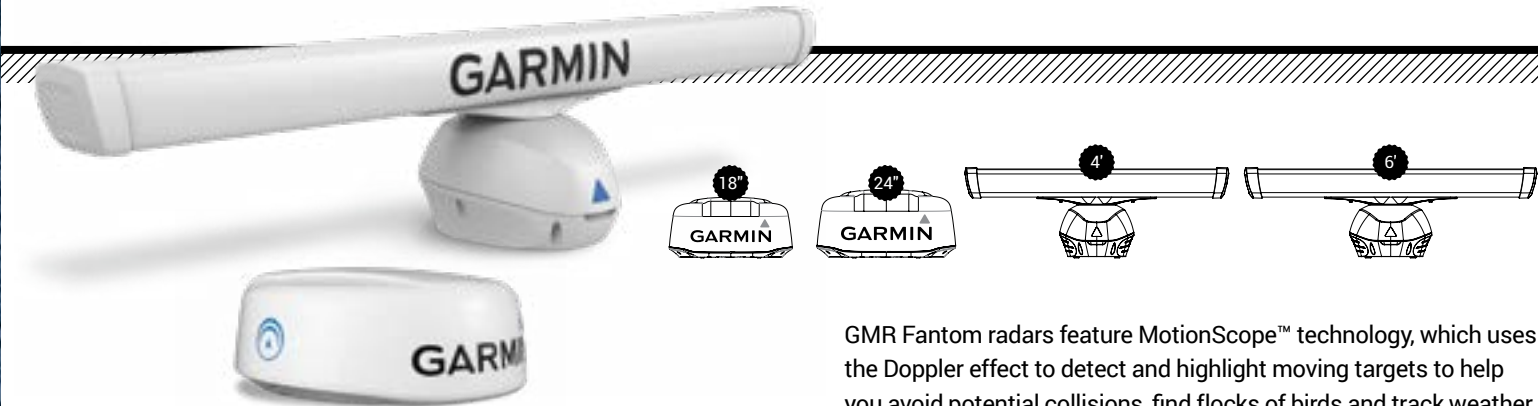
|                                 | SKU          | MSRP     |  |
|---------------------------------|--------------|----------|--|
| Wireless foot pedal             | 010-12834-00 | \$299.99 |  |
| Floating remote control         | 010-12833-00 | \$249.99 |  |
| High-efficiency propeller       | 010-12832-00 | \$69.99  |  |
| Weedless propeller              | 010-12832-01 | \$69.99  |  |
| Foot pedal power cable          | 010-12832-10 | \$19.99  |  |
| Transducer replacement kit      | 010-12832-25 | \$29.99  |  |
| Pull handle and cable           | 010-12832-30 | \$59.99  |  |
| Nose cone                       | 010-12832-22 | \$49.99  |  |
| Nose cone with transducer mount | 010-12832-20 | \$49.99  |  |

<sup>1</sup>In compliance with ISO standard 13342





# GMR FANTOM™ RADARS



GMR Phantom radars feature MotionScope™ technology, which uses the Doppler effect to detect and highlight moving targets to help you avoid potential collisions, find flocks of birds and track weather. These radars fully integrate with select Garmin chartplotters.

## FEATURED — GMR FANTOM I26

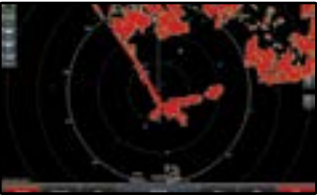
MOTIONSCOPE TECHNOLOGY

PULSE COMPRESSION TECHNOLOGY

TRUE ECHO TRAILS HELP YOU QUICKLY IDENTIFY MOVING TARGETS IN RELATION TO YOUR BOAT

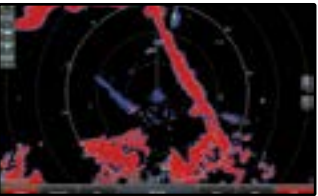
OVERLAY RADAR ONTO CHART SCREEN AS A SINGLE DISPLAY OR SPLIT SCREEN WITH INDEPENDENT RANGE SETTINGS

### MOTIONSCOPE



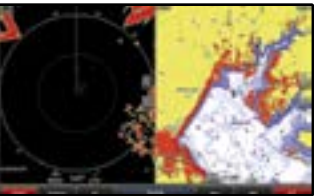
MotionScope technology highlights moving targets so you can navigate around other boats or severe weather – or toward birds feeding at the surface.

### ECHO TRAILS



Echo Trails leave a historical “trail” on the screen to help you quickly identify moving targets.

### DUAL RANGE WITH OVERLAY



Dual range overlays show close and long-range, split-screen screen images at the same time.

### AUTO BIRD GAIN



Auto Bird Gain helps locate flocks of birds at the water’s surface where baitfish are also likely to be found.

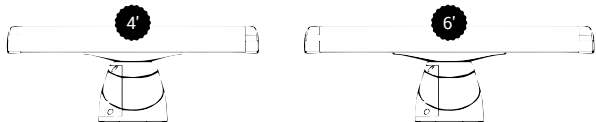
## THE LINEUP

|                                           | GMR Phantom 18<br>010-00959-00 | GMR Phantom 24<br>010-00960-00 | GMR Phantom 54<br>K10-00012-17 | GMR Phantom 56<br>K10-00012-18 | GMR Phantom 124<br>K10-00012-08 | GMR Phantom 126<br>K10-00012-08 |
|-------------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|
| Wattage                                   | 40                             | 40                             | 50                             | 50                             | 120                             | 120                             |
| Dome Dimension                            | 20” dia., 9.8” high            | 25.4” dia., 9.8” high          |                                |                                |                                 |                                 |
| Open Array                                |                                |                                | 4’                             | 6’                             | 4’                              | 6’                              |
| Dynamic Auto Gain and Sea Filter Settings | •                              | •                              | •                              | •                              | •                               | •                               |
| Target Size Adjustment                    | •                              | •                              | •                              | •                              | •                               | •                               |
| MARPA Target Tracking                     | Yes¹                           | Yes¹                           | Yes¹                           | Yes¹                           | •                               | •                               |
| Dual Radar Support                        | •                              | •                              | •                              | •                              | •                               | •                               |
| Guard Zone                                | •                              | •                              | •                              | •                              | •                               | •                               |
| RPM                                       | 24/48                          | 24/48                          | 24/48                          | 24/48                          | 24/48                           | 24/48                           |
| Beam Width                                | 5.2° horizontal, 25° vertical  | 3.7° horizontal, 25° vertical  | 1.8° horizontal, 23° vertical  | 1.25° horizontal, 23° vertical | 1.8° horizontal, 23° vertical   | 1.25° horizontal, 23° vertical  |
| Minimum Range                             | 6 meters                       | 6 meters                       | 6 meters                       | 6 meters                       | 6 meters                        | 6 meters                        |
| Maximum Range                             | 48 nm                          | 48 nm                          | 72 nm                          | 72 nm                          | 96 nm                           | 96 nm                           |

¹Requires heading sensor; sold separately



# GMR™ XHD2 RADARS

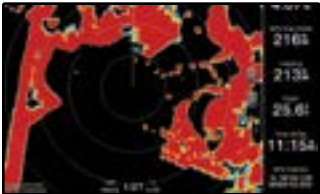


GMR xHD2 open-array radars are designed for serious seafarers of larger yachts and sport fishing boats. Designed for easy installation and use, there are no complex user settings to fuss with. Just install it and start using. GMR xHD2 radars provide reliable, optimum performance in all conditions.

## FEATURED — GMR 2526 XHD2

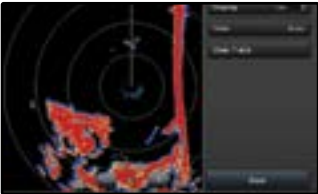
- » POWER TO DELIVER EXCELLENT TARGET SEPARATION AND AMAZING IMAGE CLARITY
- PULSE EXPANSION MAXIMIZES ENERGY ON TARGET
- AUTO BIRD GAIN HELPS LOCATE FLOCKS OF BIRDS AND HELPS SIGNAL THE LOCATION OF BIG GAME FISH
- OVERLAY RADAR ONTO CHART SCREEN AS A SINGLE DISPLAY OR SPLIT SCREEN WITH INDEPENDENT RANGE SETTINGS
- «

### PULSE EXPANSION



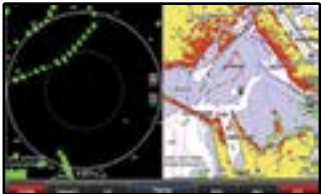
Pulse Expansion maximizes energy on targets to provide a larger target size on the chartplotter.

### ECHO TRAILS



Echo Trails leave a historical “trail” on the screen to help you quickly identify moving targets.

### DUAL RANGE WITH OVERLAY



Dual-range overlays show close and long-range, split-screen images at the same time.

### AUTO BIRD GAIN



Auto Bird Gain helps locate flocks of birds at the water’s surface where baitfish are also likely to be found.

## THE LINEUP

|                                           | GMR 424 XHD2<br>K10-00012-08  | GMR 1224 XHD2<br>K10-00012-11 | GMR 1226 XHD2<br>K10-00012-12 | GMR 2526 XHD2<br>K10-00012-16 |
|-------------------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| 4’ Open Array with Pedestal               | •                             | •                             |                               |                               |
| 6’ Open Array with Pedestal               |                               |                               | •                             | •                             |
| Wattage                                   | 4 kW                          | 12 kW                         | 12 kW                         | 25 kW                         |
| Dynamic Auto Gain and Sea Filter Settings | •                             | •                             | •                             | •                             |
| Target Size Adjustment                    | •                             | •                             | •                             | •                             |
| MARPA Target Tracking                     | •                             | •                             | •                             | •                             |
| Dual Radar Support                        | •                             | •                             | •                             | •                             |
| Guard Zone                                | •                             | •                             | •                             | •                             |
| Dual Range                                | •                             | •                             | •                             | •                             |
| Power Consumption                         | 65 W typical                  | 90 W typical                  | 90 W typical                  | 100 W typical                 |
| RPM                                       | 24/48                         | 24/48                         | 24/48                         | 24/48                         |
| Beam Width                                | 1.8° horizontal, 23° vertical | 1.8° horizontal, 23° vertical | 1.1° horizontal, 23° vertical | 1.1° horizontal, 23° vertical |
| Minimum Range                             | 20 meters                     | 20 meters                     | 20 meters                     | 20 meters                     |
| Maximum Range                             | 72 nm                         | 72 nm                         | 72 nm                         | 96 nm                         |

# GMR® XHD DOME RADARS



Our 4 kW high-definition GMR xhd dome radars pair ease of use with advanced open-array features. Dual-range operation allows fully independent split-screen display of far and close radar views. Their intuitive operation makes modes and settings simple to understand so you can enjoy great performance without a lot of technical know-how.

## FEATURED — GMR 24 XHD

- » 4 KW HIGH-DEFINITION 24" DOME RADAR
- 48 OR 24 RPM ROTATION SPEEDS
- 48-MILE MAX RANGE SETTING
- DUAL-RANGE OPERATION
- «

## THE LINEUP

|                       | GMR 24 XHD<br>010-00960-00    | GMR 18 XHD<br>010-00959-00    | GMR 18HD+<br>010-01719-00     |
|-----------------------|-------------------------------|-------------------------------|-------------------------------|
| 4 kW Transmit Power   | •                             | •                             | •                             |
| Dual Range            | •                             | •                             | •                             |
| Radar Overlay Support | •                             | •                             | •                             |
| Power Consumption     | 30 W typical, 48 W max        | 30 W typical, 48 W max        | 18.1-24.4 W transmit          |
| Power Input           | 11-35 V DC                    | 11-35 V DC                    | 11-35 V DC                    |
| RPM                   | 24/48                         | 24/48                         | 24                            |
| Beam Width            | 3.7° horizontal, 25° vertical | 5.2° horizontal, 25° vertical | 5.2° horizontal, 25° vertical |
| Minimum Range         | 20 meters                     | 20 meters                     | 20 meters                     |
| Maximum Range         | 48 nm                         | 48 nm                         | 36 nm                         |





# SONAR BLACK BOXES





# SONAR BLACK BOXES

## GSD™ 26



The GSD 26 professional CHIRP sonar module is serious sportfishing technology that takes clear, concise target separation to far greater depths than traditional sonar.

## GSD™ 25



The GSD 25 premium 1 kW CHIRP traditional sonar module is a remote network solution that provides outstanding fish-finding and bottom-tracking capabilities with CHIRP ClearVü and CHIRP SideVü scanning sonar.

## GSD™ 24



With up to 2,000 watts of transmit power and a high-dynamic range receiver, the GSD 24 brings high-definition, dual-frequency imaging to your compatible Garmin chartplotter.

## GCV™ 20



The Garmin GCV 20 Ultra High-Definition black box sonar adds both SideVü and ClearVü with CHIRP scanning sonar technology to your compatible Garmin chartplotter.

## THE LINEUP

|                             | GSD 26<br>010-00958-00                  | GSD 25<br>010-01159-00                                                                                                                                                                     | GSD 24<br>010-00957-00 | GCV 20<br>010-02055-10                                                                                                                                                    |
|-----------------------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Garmin Marine Network Ports | 1                                       | 1                                                                                                                                                                                          | 1                      | 3                                                                                                                                                                         |
| Frequencies Supported       | 25-210 kHz<br>(dependent on transducer) | Traditional:<br>50/200, 77/200, 83/200<br>Single Channel CHIRP: 40-250<br>Dual Channel CHIRP: 40-250<br>SideVü/ClearVü:<br>CHIRP 455/800 and<br>CHIRP 260/455<br>(dependent on transducer) | 50/200 kHz             | Ultra High-Definition ClearVü:<br>0.8 MHz (800 kHz),<br>CHIRP range: 760-880 kHz<br>Ultra High-Definition SideVü:<br>1.2 MHz (1,200 kHz),<br>CHIRP range: 1,060-1,170 kHz |
| Transmit Power              | 25-3,000 W rms                          | 1 kW                                                                                                                                                                                       | 25-2,000 W rms         | 500 W rms                                                                                                                                                                 |
| ClearVü/Sideü               |                                         | •                                                                                                                                                                                          |                        | •                                                                                                                                                                         |
| Max Depth                   | 10,000 ft (3,048 m)                     | 5,000 ft (1,524 m)                                                                                                                                                                         | 5,000 ft (1,524 m)     | 200' Ultra High-Definition ClearVü<br>125' to each side Ultra High-Definition SideVü<br>250' total, at a maximum depth of 30'                                             |
| Traditional CHIRP Capable   | •                                       | •                                                                                                                                                                                          |                        |                                                                                                                                                                           |
| Power Input                 | 10-35 V                                 | 10-35 V                                                                                                                                                                                    | 10-35 V                |                                                                                                                                                                           |
| Power Usage                 | 100 W maximum                           | 27 W maximum                                                                                                                                                                               | 40 W maximum           |                                                                                                                                                                           |
| Compass-safe Distance       | 23.6 in (60 cm)                         | 11.8 in (30 cm)                                                                                                                                                                            | 15.75 in (40 cm)       | 10.2 in (26 cm)                                                                                                                                                           |





AUTOPILOTS





# REACTOR™ 40 SERIES

## REACTOR™ 40 HYDRAULIC COREPACK WITH SMARTPUMP V2



One SmartPump v2 fits most hydraulically steered boating applications.

*Reactor™ 40 Hydraulic Corepack with SmartPump v2 With GHC™ 20*  
Part no: 010-00705-69  
*Reactor™ 40 Hydraulic Corepack with SmartPump v2 Without GHC™ 20*  
Part no: 010-00705-68

## REACTOR™ 40 HYDRAULIC AUTOPILOT



Ideal for all types of hydraulically steered powerboats – inboards, outboards and stern drives.

*Reactor™ 40 Hydraulic Autopilot with GHC™ 20* Part no: 010-00705-19  
*Reactor™ 40 Hydraulic Autopilot Without GHC™ 20* Part no: 010-00705-21

## REACTOR™ 40 STEER-BY-WIRE STANDARD COREPACK

Fits vessels with steer-by-wire control systems, including YANMAR® JC10 Joystick, Teleflex® Optimus™, ZF® 2800, Yamaha® Helm Master™ and Volvo Penta®.

### REACTOR™ 40 STEER-BY-WIRE STANDARD COREPACK WITH GHC™ 20

Part no: 010-00705-86  
Without GHC™ 20: 010-00705-90



### REACTOR™ 40 STEER-BY-WIRE COREPACK FOR YAMAHA® HELM MASTER™ WITH GHC™ 20

Part no: 010-00705-87  
Without GHC™ 20: 010-00705-91



## REACTOR™ 40 MECHANICAL/RETROFIT/SOLENOID COREPACK



Ideal for sailboats with direct or cable-actuated steering systems.

*Reactor™ 40 Mechanical/Retrofit/Solenoid Corepack with GHC™ 20*  
Part no: 010-00705-49  
*Reactor™ 40 Mechanical/Retrofit/Solenoid Corepack Without GHC™ 20*  
Part no: 010-00705-48

## REACTOR™ 40 KICKER AUTOPILOT



Specially designed for boats with small gasoline outboard motors up to 20 HP. Includes autopilot remote control. Available with or without GHC™ 20 display.

*Reactor™ 40 Kicker Autopilot with GHC™ 20 Display* Part no: 010-00705-94  
*Reactor™ 40 Kicker Autopilot without GHC™ 20 Display* Part no: 010-00705-94

## COMPACT REACTOR™ 40 HYDRAULIC AUTOPILOT STARTER PACK

Recommended only for single-engine outboard boats less than 30' long¹. It includes Compact Reactor 40 CCU, ECU, pump and other autopilot components needed to add to your compatible chartplotter

### COMPACT REACTOR™ 40 HYDRAULIC AUTOPILOT STARTER PACK

Part no: 010-00705-06



### COMPACT REACTOR™ 40 HYDRAULIC AUTOPILOT WITH GHC™ 20 COREPACK

Part no: 010-00705-07



### COMPACT REACTOR™ 40 HYDRAULIC AUTOPILOT WITH GHC™ 20 AND SHADOW DRIVE™ PACK

Part no: 010-00705-08



## PUMPS

### 1.2-LITER PUMP KIT

Part no: 010-00705-64



### 2-LITER PUMP KIT

Part no: 010-00705-63



### 2.1-LITER PUMP KIT

Part no: 010-11099-10



## DRIVE UNITS

### CLASS A MECHANICAL DRIVE UNIT FOR BOATS UP TO 13 TONS

Part no: 010-11572-00



### CLASS B COMPACT HYDRAULIC DRIVE UNIT FOR BOATS UP TO 22 TONS

Part no: 010-12029-00



### CLASS B HYDRAULIC DRIVE UNIT FOR BOATS UP TO 36 TONS

Part no: 010-11573-00





# COMMUNICATIONS





# VHF AND AIS

## VHF 315 MARINE RADIO



The 25-watt VHF 315 marine radio with Class D DSC is a modular communication solution. It includes a GHS™ 11 handset and new active speaker to use as an intercom between up to 3 stations. It's easy to use and integrates seamlessly into the Garmin onboard system.

## VHF 210 AIS MARINE RADIO AND 215 AIS MARINE RADIO



Displays automatic identification system (AIS) on the chartplotter and during an emergency situation, the 25 W transmit power of the VHF 210 AIS gives all fishermen, sailors and cruisers confidence at their fingertips.

VHF 215 AIS marine radio available with built-in GPS.

## VHF 210 MARINE RADIO AND 215 MARINE RADIO



Displays AIS on the chartplotter and during an emergency situation, the 25 W transmit power of the VHF 210 AIS gives all fishermen, sailors and cruisers confidence at their fingertips.

VHF 215 marine radio available with built-in GPS.

## VHF 110 MARINE RADIO



Communication is critical on the water. With the VHF 110 radio, you can stay in contact with the shore and other boats in your area. So, no matter where you are or where you're headed, you'll maintain communication.

VHF 115 marine radio available with built-in GPS.

## GHS™ 11 WIRED VHF HANDSET

Part no: 010-01759-00



This handset allows full function of your VHF 210 radio from a remote location. Simple design includes soft keys, a 2" diagonal dot matrix display and coiled cable that stretches from about 1' to nearly 5'. Rotary/push knob for volume, squelch and channel selection and a dedicated button for access to channels 16/9.

# AIS TRANSCEIVERS

## AIS™ 800

Part no: 010-02087-00

Easy to use, the AIS 800 black box transceiver with built-in GPS provides reliable communication and transmits your vessel information to other AIS receivers in your area while receiving AIS target data. With 5 watts of transmit power with Class B/SO, it provides faster positioning reporting than ever before¹.

Garmin AIS 800 has an internal VHF antenna splitter, which allows the VHF and AIS to share a single antenna. It includes a built-in GPS (with connector for optional external antenna) and integrates seamlessly into the Garmin onboard system. The transceiver features NMEA 2000/0183® connectivity for easy integration with compatible chartplotters and multifunction displays.



### COLLISION WARNINGS



Potential risks are displayed, helping to minimize the risk of collision.

### IDENTIFICATION



Sends detailed vessel data, allowing easy identification.

### CLEAR OVERVIEW



Shows you the surroundings and the vessels around your boat.

### SOCIAL SEAMANSHIP



Spot your friends quickly and enjoy direct ship-to-ship communication.

## THE LINEUP

|                              | VHF 110      | VHF 115      | VHF 210      | VHF 215      | VHF 210 AIS  | VHF 215 AIS  | VHF 315      |
|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                              | 010-01653-00 | 010-02096-00 | 010-01751-00 | 010-02097-00 | 010-01654-00 | 010-02098-00 | 010-02047-00 |
| Transmit Power               | 25 W         | 25 W         | 25 W         | 25 W         | 25 W         | 25 W         | 25 W         |
| Built-in GPS                 |              | •            |              | •            |              | •            | ¹            |
| NMEA 2000®                   | •            | •            | •            | •            | •            | •            | •            |
| NMEA 0183                    | •            | •            | •            | •            | •            | •            | •            |
| Digital Selective Calling    | Class D      | Class D      | Class D      | Class D      | Class D      | Class D      | Class D      |
| All USA Frequency Band       | •            | •            | •            | •            | •            | •            | •            |
| Canadian Frequency Band      | •            | •            | •            | •            | •            | •            | •            |
| International Frequency Band | •            | •            | •            | •            | •            | •            | •            |
| 10 NOAA Weather Channels     | •            | •            | •            | •            | •            | •            | •            |
| Hailer Horn                  |              |              | •            | •            | •            | •            | •            |

¹VHF 315 has internal GPS but requires external antenna

¹When cruising above 14 knots



# INSTRUMENTS



## GNX™ 130 AND 120



Designed for serious sailors who demand quality, precision and total integration. This high-precision glass-bonded 10" or 7" large format instrument creates a beautiful "glass mast" display with superior readability in all conditions, day and night, with no fogging.



HIGH-PRECISION GLASS-BONDED BACKLIT LCD DISPLAY AVOIDS FOGGING

BOLD 2.75" (70 MM) DIGITS ARE THE LARGEST DIGITS IN CLASS

DISPLAYS MORE THAN 50 MARINE AND BOAT PARAMETERS

ALLOWS SEAMLESS SHARING OF SAILING DATA BETWEEN GARMIN DEVICES



Boat speed and VMG



Heading



Depth



True wind angle and true wind speed

### GNX KEYPAD

Part no: 010-12255-00



Control the GNX 120 or GNX 130 from a distance with this optional push-button keypad interface that can be mounted near the helm. You can preset 4 buttons to dedicated configurations and adjust the background lighting of all displays with the touch of a button.

### GNX 120 MAST BRACKETS

Part no: 010-12236-00 (2 units), 010-12236-01 (3 units), 010-12236-02 (4 units)



Flat mount the GNX 120 display for a beautiful glass mast look using our carbon fiber mast brackets. Choose from three mast bracket options – 2, 3 or 4 units.



# WIND INSTRUMENTS

## GNX™ WIND

Part no: 010-01142-30



A superb addition for all sailboats, GNX Wind features a high-visibility, glass-bonded backlit LCD display with customizable colors. It shows two data fields and a digital wind rose simultaneously to display true and apparent wind data, steering guidance, boat speed and more. It also offers 15 important marine parameters for wind, speed, navigation, and customizable profiles and other configurations.

## GMI™ 20

Part no: 010-01140-00



The GMI 20 has a 4" color screen that displays depth, speed, wind, engine information, and more than 100 marine and vessel specific parameters based on your preference. Its glass-bonded finish lens resists fogging and increases contrast. Other features include a dedicated race timer that counts both down and up with an internal beeper.

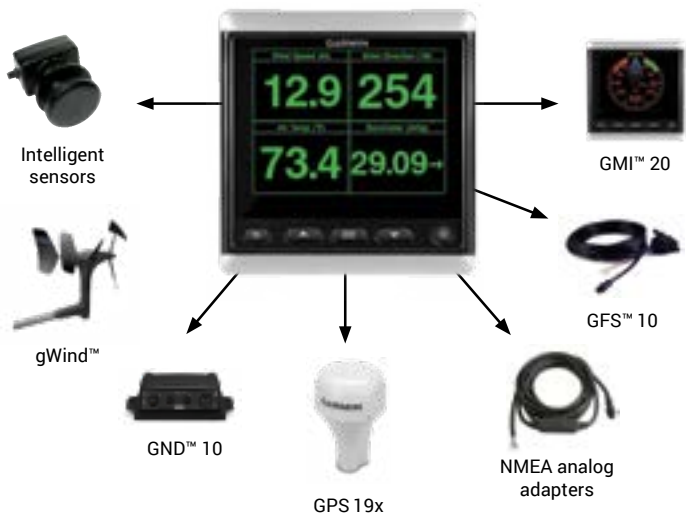
## GNX™ 21 AND 20

GNX 20 Part no: 010-01142-00 / GNX 21 Part no: 010-01142-10



Perfectly designed marine instruments for both sailboats and power vessels, they're easy to read, clearly showing depth, speed, wind, and 50 additional marine and vessel parameters. Preset auto-scroll function automatically cycles between screens.

### COMPATIBLE SENSORS AND INSTRUMENTS FOR GMI 20



# WIND SYSTEMS



Garmin gWind™ sensors feature a 3-bladed propeller and twin-fin design for accurate true wind speed (TWS) in lighter air and stable true wind angle (TWA).

The GND™ 10 black box interface (part no. 010-01-226-00) seamlessly integrates Nexus instruments and sensors with the Garmin family. It converts data between the Nexus Network and NMEA 2000® to provide compatibility between Nexus and Garmin products, including gWind, gWind™ Wireless and gWind™ Race transducers. Simple plug-and-play installation between Nexus and NMEA 2000, with USB connectivity, eliminates the need for user setup and system configuration.

## GWIND™ TRANSDUCER

Part no: 010-01227-00



This transducer features twin-fin technology with 3-bladed propeller for accurate TWS in lighter air while the twin-fin design gives a stable TWA. It includes a GND 10 black box.

## GWIND WIRELESS 2 TRANSDUCER

Part no: 010-01616-00



An easy-to-install solution that eliminates running wires through masts up to 50'. Accurate wind signals are sent via an ANT® connection directly to a GNX Wind instrument or compatible Garmin GPSMAP® 8400/8600 series or GPSMAP® 7400/7600 series chartplotters. A solar panel mounted on the transducer arm provides power to the internal solar-charged battery that lasts 3 years and is easily replaced.

## GWIND RACE TRANSDUCER

Part no: 010-01228-00



Designed for racing sailboats, the gWind Race features a 3.3' (1 meter) straight pole that raises the transducer above the mast to remove turbulence errors. It includes a GND 10 black box.



# INSTRUMENT PACKS

## GNX™ WIRELESS WIND PACK

Part no.: 010-01616-10

GNX Wind and gWind Wireless 2.



## GNX™ WIRELESS SAIL PACK 52

Part no.: 010-01616-20

GNX Wind, GNX 20, gWind Wireless 2 and DST 800 (depth, speed and temperature).



## GNX™ WIRELESS SAIL PACK 43

Part no.: 010-01616-30

GNX Wind, GNX 20, gWind Wireless 2, GST 43 (speed and temperature), GDT 43 (depth and temperature) and NMEA 2000® adapters.



## GNX WIRED SAIL PACK 43

Part no.: 010-01248-60

GNX Wind, GNX 20, gWind, GST 43 (speed and temperature), GDT 43 (depth and temperature) and NMEA 2000 adapters.



## GNX WIRED SAIL PACK 52

Part no.: 010-01248-50

GNX Wind, GNX 20, gWind, GND 10 and DST800 (depth, speed and temperature).



## GMI WIRED START PACK 52

Part no.: 010-01248-10

GMI 20, gWind, GND 10 and DST800 (depth, speed and temperature).



## SAILASSIST

To improve your sailing experience, GPSMAP® series chartplotters include special preloaded sailing features such as laylines, enhanced wind rose, heading and course-over-ground lines, true wind data fields and tide/current/time slider. For sail racing, there are prerace guidance, synchronized race timer, virtual starting line, time to burn and lay line data fields.

### LAYLINES



View laylines and other critical data right on your chartplotter screen.

### PRERACE GUIDANCE



Displays high-resolution Depth Range Shading for up to 10 depth ranges, so you can view your designated target depth.

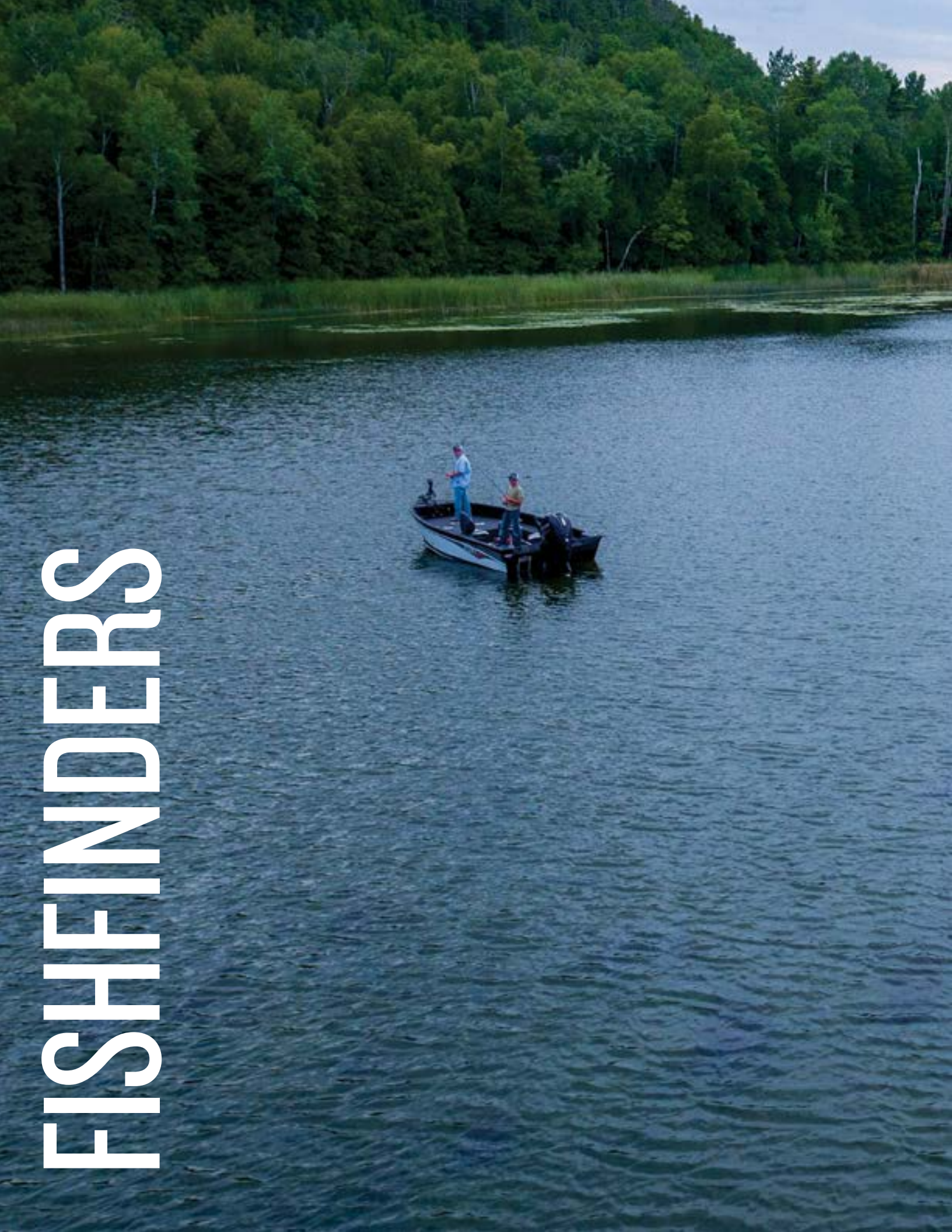
### WIND GRAPHS



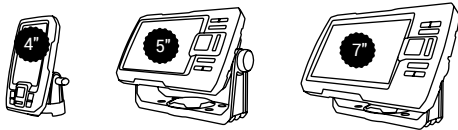
Clear graphs of True Wind Direction, Apparent Wind Angle, True Wind Speed and Apparent Wind Speed.







# STRIKER™ PLUS SERIES



The rugged and easy-to-use STRIKER Plus series is an industry leading fishfinder series with built-in GPS, plus Quickdraw Contours map drawing. Not only do you see fish and structure below the boat, you can also mark your favorite fishing spots and easily navigate back to them. Available with CHIRP traditional and CHIRP scanning sonar.

## FEATURED — STRIKER PLUS 7SV



BRIGHT, SUNLIGHT-READABLE SCREEN

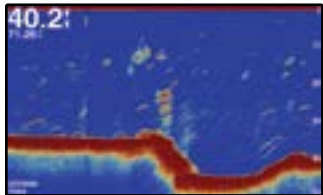
INCLUDES TRANSDUCER FOR CHIRP TRADITIONAL, CLEARVÜ AND SIDEVÜ SCANNING SONAR

BUILT-IN GPS LETS YOU MARK WAYPOINTS, CREATE ROUTES AND VIEW BOAT'S SPEED

BUILT-IN QUICKDRAW CONTOURS



### CHIRP TRADITIONAL



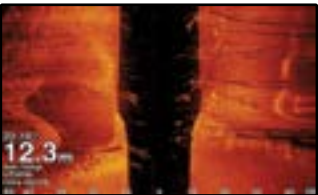
Crisp, clear CHIRP traditional sonar.

### CLEARVÜ SCANNING SONAR



See images of what's under your boat.

### SIDEVÜ SCANNING SONAR



Get incredibly clear images of what's off to either side of your boat.

### QUICKDRAW CONTOURS MAPPING



Create and store maps as you fish with 1' contours for up to 2 million acres.

## THE LINEUP

|                                | STRIKER 4    | STRIKER Plus 4 | STRIKER Plus 4cv | STRIKER Plus 5cv | STRIKER Plus 7cv | STRIKER Plus 7sv |
|--------------------------------|--------------|----------------|------------------|------------------|------------------|------------------|
|                                | 010-01550-00 | 010-01870-00   | 010-01871-00     | 010-01872-00     | 010-01873-00     | 010-01874-00     |
| Built-in GPS                   | •            | •              | •                | •                | •                | •                |
| Quickdraw Contours             |              | •              | •                | •                | •                | •                |
| Garmin CHIRP Traditional¹      | •            | •              | •                | •                | •                | •                |
| CHIRP ClearVü¹                 |              |                | •                | •                | •                | •                |
| CHIRP SideVü¹                  |              |                |                  |                  |                  | •                |
| Built-in Wi-Fi®                |              |                |                  |                  | •                | •                |
| ActiveCaptain® App Compatible¹ |              |                |                  |                  | •                | •                |
| Transducer and Mounts Included | •            | •              | •                | •                | •                | •                |

¹When paired with a compatible smartphone; see [Garmin.com/ble](http://Garmin.com/ble) • Wi-Fi is a registered trademark of the Wi-Fi Alliance.



CAMERAS





# VIRB® ACTION CAMERAS



Rugged, waterproof 360-degree camera with 5.7K/30fps resolution and 4K spherical stabilization. VIRB 360 is the first of its kind, capturing a complete sphere of high-resolution video and audio — even photos. It eliminates the lengthy editing process with unrivaled 1-click video stabilization up to 4K resolution at 30 fps and allows you to instantly livestream<sup>1</sup> any adventure.

Integrates seamlessly with compatible chartplotters, allowing you to pan the complete 360 view or prerecorded videos. You can also control recording and picture-taking with the chartplotter.

## VIRB® 360

Part no: 010-01743-00

- » EDIT VIDEOS AND LIVESTREAM<sup>1</sup> ON THE GO
- ADD DATA OVERLAYS WITH G-METRIX™
- CONTROL IT WITH YOUR VOICE<sup>2</sup>
- WATERPROOF TO 10 METERS<sup>3</sup> «

## VIRB® ULTRA 30 WITH POWERED MOUNT

Part no: 010-01529-33



Weatherproof Ultra HD action camera captures 4K/30fps video with GPS data overlays. It also features voice control<sup>2</sup> so you can tell the camera to start, stop and “remember that.” For adventures in wet conditions, you’ll love its LCD touchscreen display, image stabilization and high-sensitivity microphone that work even through the weatherproof case. Plus, you can livestream<sup>1</sup> your video adventures with friends online.



# MARINE CAMERAS



Garmin marine cameras add security and heightened awareness to your vessel. They provide an extra set of eyes to monitor areas above or below decks – even in low light – making them perfect for engine rooms. The small size and rugged weatherproof cases allow you to install them nearly anywhere on your boat.

## GC™ 200 MARINE IP CAMERA

- » MONITOR AREAS ABOVE AND BELOW DECK IN REAL TIME
- HD-RESOLUTION IMAGES EVEN IN LOW LIGHT
- STREAM VIDEO FROM UP TO 4 CAMERAS AT A TIME ON A SINGLE COMPATIBLE CHARTPLOTTER
- REVERSE-IMAGE SETTING HELPS WHEN BACKING OUT OF TIGHT LOCATIONS SUCH AS CROWDED MARINAS
- SHARE VIDEO ACROSS MULTIPLE COMPATIBLE CHARTPLOTTERS «

## GC™ 100 WIRELESS MARINE CAMERA

Compact wireless camera streams high-quality video to your compatible chartplotter and any other chartplotter on the same network. Effective in total darkness, it's perfect for the engine room. Easy to install and hardwired for power, the camera is ready to use with one-button setup.

## GC™ 12 MARINE CAMERA

Small and discreet, this camera delivers excellent quality images. Use it in multiple areas above or below decks, and view on one chartplotter or across multiple networked compatible chartplotters. It can help you back out of a crowded marina or keep an eye on your dark engine room.

## THE LINEUP

|                            | GC 12 Marine Camera<br>010-02122-00 | GC 200 Marine IP Camera<br>010-02164-00 | GC 100 Marine Camera<br>010-01865-30 |
|----------------------------|-------------------------------------|-----------------------------------------|--------------------------------------|
| Boat Monitoring Camera     | •                                   | •                                       | •                                    |
| Low-light Vision           | •                                   | •                                       | •                                    |
| Versatile Mounting Options | •                                   | •                                       | •                                    |
| Rugged Housing             | •                                   | •                                       | •                                    |
| Water Rating               | IPX7                                | IPX7                                    | IPX7                                 |
| Video Resolution           | 976(H) x 582(V)                     | Up to 1920 x 1080P <sup>1</sup>         | 720p                                 |
| One-button Start-up        |                                     |                                         | •                                    |
| Pair Multiple Cameras      |                                     | •                                       | •                                    |
| Connection to Chartplotter | Analog                              | IP                                      | Wi-Fi®                               |
| Hardwired Power            | 12V                                 | 12V and POE                             | 12V                                  |

<sup>1</sup>Livestreaming only available on compatible Apple® devices • <sup>2</sup>Voice control available for English (U.S., U.K.), French, Italian, German, Spanish, Swedish, Japanese and Mandarin • <sup>3</sup>See [Garmin.com/waterrating](http://Garmin.com/waterrating) • iPhone and Apple are trademarks of Apple Inc., registered in the U.S. and other countries.

<sup>1</sup>All current Garmin Chartplotters can only support up to 1280x720P • Wi-Fi is a registered trademark of the Wi-Fi Alliance.



# WEARABLES AND HANDHELD

## QUATIX® 5



The quatix 5 marine multisport watch series is specifically designed to participate in your water activities. Each model connects with compatible Garmin chartplotters and other devices to stream data to your wrist, including speed, depth, temperature and wind. It also supports advanced fitness features and a wrist-based heart rate monitor<sup>1</sup>. Connected features<sup>2</sup> include smart notifications, automatic uploads to Garmin Connect™ online fitness community, and personalization through free watch faces and apps from our Connect IQ™ store. QuickFit™ bands enable fast style changes.

- » ADVANCED AUTOPILOT CONTROL<sup>3</sup> AND REMOTE WAYPOINT MARKING
- SAILASSIST CAPABILITIES
- COLLECT WATER SPORTS DATA AND TRACK ACTIVITIES
- GPS NAVIGATION ON WATER AND LAND
- BUILT-IN FUSION-LINK™ LITE APP CONTROLS CONNECTED STEREOACTIVE PRODUCTS<sup>2</sup> «

**AUTOPILOT CONTROL<sup>3</sup>**  
  
Control your autopilot from your wrist.

**SAILASSIST**  
  
Visualize the starting line.

**WATER SPORTS**  
  
Track your activities.

**MEDIA CONTROL**  
  
Control the tunes<sup>2</sup>.

**WRIST-BASED HEART RATE<sup>1</sup>**  
  
Monitor your heart rate<sup>1</sup>.

### THE LINEUP

|                | quatix 5<br>010-01688-40                                                                                                  | quatix 5 Sapphire<br>010-01688-41                                                                                         |
|----------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Bezel and Band | Stainless steel with blue silicone band                                                                                   | Stainless steel with metal band                                                                                           |
| Lens Material  | Glass                                                                                                                     | Scratch-resistant sapphire                                                                                                |
| Connectivity   | BLUETOOTH® Smart, ANT+®                                                                                                   | BLUETOOTH® Smart, ANT+®, Wi-Fi®                                                                                           |
| Battery Life   | Smartwatch Mode: up to 2 weeks<br>GPS/HR mode: up to 24 hours<br>UltraTrac™ mode: up to 60 hours without wrist heart rate | Smartwatch Mode: up to 2 weeks<br>GPS/HR mode: up to 24 hours<br>UltraTrac™ mode: up to 60 hours without wrist heart rate |
| Water Rating   | 10 ATM                                                                                                                    | 10 ATM                                                                                                                    |

<sup>1</sup>See [Garmin.com/ataccuracy](#) • <sup>2</sup>When paired with a compatible smartphone; see [Garmin.com/ble](#) • <sup>3</sup>GHC™ 20 required for autopilot control • Wi-Fi is a registered trademark of the Wi-Fi Alliance. • The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Garmin is under license.



# HANDHELDS

# HANDHELDS

## GPS 73 AND GPSMAP® 78 SERIES HANDHELDS

Boaters and watersport enthusiasts everywhere swear by GPSMAP 73 and 78 handhelds. They float! The 78 series features bright 2.6" LCD color displays with built-in worldwide basemaps and a special MOB (man overboard) button. The GPS 73 includes SailAssist features, including virtual starting line, heading line, countdown timers and tack assist.



GPSMAP 73



GPSMAP 78s



GPSMAP 78

## GPSMAP® 276CX

All-terrain navigator with advanced GPS and GLONASS reception tracks your position in challenging environments. It has a large, sunlight-readable 5" screen plus built-in barometric altimeter and 3-axis compass. The GPSMAP 276CX also comes preloaded with a worldwide basemap and free 1-year BirdsEye Satellite Imagery subscription. Advanced mapping, connectivity and flexible mounting options are available; and it's water-rated to IPX7.



## GPSMAP® 86 SERIES HANDHELDS



GPSMAP 86s



GPSMAP 86sc



GPSMAP 86i



GPSMAP 86sci

All-terrain navigator with advanced GPS and GLONASS reception tracks your position in challenging environments. It has a large, sunlight-readable 5" screen plus built-in barometric altimeter and 3-axis compass. The GPSMAP 276CX also comes preloaded with a worldwide basemap and free 1-year BirdsEye Satellite Imagery subscription. Advanced mapping, connectivity and flexible mounting options are available; and it's water-rated to IPX7.

## THE LINEUP

|                                | GPSMAP 73    | GPSMAP 78    | GPSMAP 78s              | GPSMAP 78sc             | GPSMAP 86s              | GPSMAP 86sc             | GPSMAP 86i              | GPSMAP 86sci            |
|--------------------------------|--------------|--------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                                | 010-01504-00 | 010-00864-00 | 010-00864-01            | 010-00864-02            | 010-00864-02            | 010-00864-02            | 010-00864-02            | 010-00864-02            |
| Easy-to-use Handheld           | •            | •            | •                       | •                       | •                       | •                       | •                       | •                       |
| Floats                         | •            | •            | •                       | •                       | •                       | •                       | •                       | •                       |
| SailAssist                     | •            |              |                         |                         |                         |                         |                         |                         |
| Back-lit Buttons               | •            | •            | •                       | •                       | •                       | •                       | •                       | •                       |
| Color Screen                   |              | •            | •                       | •                       | •                       | •                       | •                       | •                       |
| Worldwide Basemap              |              | •            | •                       | Built-in BlueChart g2   | •                       | Built-in BlueChart g3   | •                       | Built-in BlueChart g3   |
| Ability to Add Maps            |              | •            | •                       | •                       | •                       | •                       | •                       | •                       |
| Waypoints/Favorites/Locations  | 1,000        | 2,000        | 2,000                   | 2,000                   | 10,000                  | 10,000                  | 10,000                  | 10,000                  |
| Routes                         | 50           | 200          | 200                     | 200                     |                         |                         |                         |                         |
| inReach® Satellite Technology¹ |              |              |                         |                         |                         |                         | •                       | •                       |
| Memory/History                 |              | 1.7 GB       | 1.7 GB                  | 1.7 GB                  | 16 GB                   | 16 GB                   | 16 GB                   | 16 GB                   |
| Battery Life                   | 18 hours     | 20 hours     | 20 hours                | 20 hours                | 40 hours                | 40 hours                | 35 hours                | 35 hours                |
| Compass                        |              |              | Tilt-compensated 3-axis | Tilt-compensated 3-axis | Tilt-compensated 3-axis | Tilt-compensated 3-axis | Tilt-compensated 3-axis | Tilt-compensated 3-axis |
| Barometric Altimeter           |              |              | •                       | •                       | •                       | •                       | •                       | •                       |



## INREACH® MINI MARINE BUNDLE

The inReach Mini Marine bundle puts the rugged, compact inReach Mini satellite communicator on your boat for interactive SOS, two-way messaging and basic navigation via the global Iridium network¹. The screw down mount, 12-volt power cable and wireless connectivity to compatible chartplotters let you add peace of mind to your adventures without taking up space on your helm. Off its mount, the internal, rechargeable lithium battery provides up to 50 hours of battery life in 10-minute tracking mode.



¹Satellite subscription required • Wi-Fi is a registered trademark of the Wi-Fi Alliance.  
NOTICE: Some jurisdictions regulate or prohibit the use of satellite communications devices. It is the responsibility of the user to know and follow all applicable laws in the jurisdictions where the device is intended to be used.

¹Satellite subscription required • NOTICE: Some jurisdictions regulate or prohibit the use of satellite communications devices. It is the responsibility of the user to know and follow all applicable laws in the jurisdictions where the device is intended to be used. Other Garmin maps not compatible with this device.





## GRID 20 REMOTE INPUT DEVICE

Part no: 010-02011-00 (Portrait), 010-02011-01 (Landscape)



The easy-to-use remote input device provides access and control of your entire Garmin marine System. It features a 360-degree joystick with a rotary knob and push-to-select button for easy chartplotter menu/setting navigation and fine control even in the worst conditions. You can designate 4 favorite keys to restore your system to a previously saved configuration.

## 9-AXIS HEADING SENSOR

Part no: 010-11417-20



Our premium solution for exceptional heading accuracy allows for MARPA tracking and improves the radar overlay experience.

With heading output at 10 Hz and accuracy of plus or minus 2 degrees, it ensures your chart orientation and boat heading line match up with reality, even at lower speeds. Your heading information will remain accurate, even in rough sea conditions where your bow is pitching and rolling or — in sailboat applications — when heeled over.

The 9-axis MEMS technology allows installation in nearly any orientation located away from magnetic interference. It's built to withstand bilge environments.

NEW

## GXM™ 54 SIRIUSXM® WEATHER & RADIO ANTENNA

Part no: 010-02277-00



Gain added awareness and confidence on the water with current weather conditions and forecasts<sup>1</sup> delivered straight to your Garmin chartplotter. Enjoy high-quality entertainment with more than 150 channels of SiriusXM satellite radio<sup>1</sup>. Fish Mapping™ for suggested potential hot spots based on concentrations of popular species.

## STEADYCAST™ HEADING SENSOR

Part no: 010-11417-10



SteadyCast heading sensor is a simple, easy-to-install solution that provides fast calibration and premium heading accuracy. It aligns your boat bow to its actual orientation so you know where you are casting according to your chartplotter screen. It's accurate even at low speed and effective in rough water.

## GTV5 AND GTV6 SATELLITE TV DOMES POWERED BY KVH®

Part no: GTV5 | 010-02123-00 and GTV6 | 010-02124-00



Enjoy satellite TV reception where few others can provide it. Our 18" GTV5 and ultra high-efficiency, 24" GTV6 satellite TV antennas are powered by KVH and available as part of a Garmin bridge package. They offer outstanding high-performance tracking and reception as well as compatibility with DIRECTV U.S., DISH Network, Bell TV, Sky Mexico, Sky Italia, Sky U.K. and circular and linear Ku-band services worldwide.

## ACCESSORIES FOR REACTOR AUTOPILOTS

### GHC™ 20 CONTROL UNIT

Part no: 010-01141-00

Control your autopilot with up to three GHC 20 autopilot helm controller units. Compatible with all Garmin autopilots, for both motor- and sailboats.



### AUTOPILOT REMOTE

Part no: 010-12833-10

The ultimate in onboard control and convenience all in the palm of your hand. Bright color display and new gesture controls let you course-correct with ease.



### GRF 10 RUDDER SENSOR

Part no: 010-11829-00

Pair this GRF 10 rudder feedback sensor with your autopilot to provide rudder position feedback to detect and avoid rudder stops.



<sup>1</sup>Weather, audio and fish mapping features each require a paid subscription with SiriusXM Sirius, XM and all related marks and logos are trademarks of Sirius XM Radio Inc.






# SPECIFICATIONS











MFD Chartplotters






|                                                  | GPSMAP 8624/8424                                                                                                                                                                                                                    | GPSMAP 8622/8422                                                                                                                                                                                                                    | GPSMAP 8617/8417                                                                                                                                                                                                                    |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                  |                                                                                                                                                    |                                                                                                                                                   |                                                                                                                                                  |
| Display Size (diagonal)                          | 24"                                                                                                                                                                                                                                 | 22"                                                                                                                                                                                                                                 | 17"                                                                                                                                                                                                                                 |
| Display Type and Resolution (pixels)             | WUXGA - 1920 x 1200                                                                                                                                                                                                                 | FHD - 1920 x 1080                                                                                                                                                                                                                   | WUXGA - 1920 x 1200                                                                                                                                                                                                                 |
| Touch- or Keyed Panel                            | Multitouch                                                                                                                                                                                                                          | Multitouch                                                                                                                                                                                                                          | Multitouch                                                                                                                                                                                                                          |
| GPS Receiver                                     | 10 Hz GPS/GLONASS, external                                                                                                                                                                                                         | 10 Hz GPS/GLONASS, external                                                                                                                                                                                                         | 10 Hz GPS/GLONASS, external                                                                                                                                                                                                         |
| Standard GPS Antenna                             | External                                                                                                                                                                                                                            | External                                                                                                                                                                                                                            | External                                                                                                                                                                                                                            |
| Number of Waypoints                              | 5,000                                                                                                                                                                                                                               | 5,000                                                                                                                                                                                                                               | 5,000                                                                                                                                                                                                                               |
| Number of Routes                                 | 100                                                                                                                                                                                                                                 | 100                                                                                                                                                                                                                                 | 100                                                                                                                                                                                                                                 |
| J1939 Support                                    | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 |
| Garmin SmartMode™                                | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 |
| Digital Switching support                        | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 |
| NMEA 2000® Compatible                            | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 |
| NMEA 0183® Compatible                            | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 |
| Garmin Marine Network Compatible                 | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 |
| Preloaded Map                                    | Built-in BlueChart G3 and LakeVu g3                                                                                                                                                                                                 | Worldwide Basemap                                                                                                                                                                                                                   | Worldwide Basemap                                                                                                                                                                                                                   |
| BlueChart® g3 Vision® Compatible                 | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 |
| Auto Guidance                                    | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 |
| ActiveCaptain® Support                           | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 |
| Sailing Features                                 | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 |
| Wi-Fi® and ANT™ Wireless Technology              | Yes, built-in                                                                                                                                                                                                                       | Yes, built-in                                                                                                                                                                                                                       | Yes, built-in                                                                                                                                                                                                                       |
| GRID™ 20 (Garmin Remote Input Device) Compatible | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 |
| FLIR® and Axis® IP Camera Support                | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 |
| FUSION-Link™ Support                             | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 |
| Video Input                                      | 1 BNC composite<br>1 HDMI (HDCP compliant)                                                                                                                                                                                          | 1 BNC composite<br>1 HDMI (HDCP compliant)                                                                                                                                                                                          | 1 BNC composite<br>1 HDMI (HDCP compliant)                                                                                                                                                                                          |
| Video Output                                     | 1 HDMI                                                                                                                                                                                                                              | 1 HDMI                                                                                                                                                                                                                              | 1 HDMI                                                                                                                                                                                                                              |
| AIS and DSC Support                              | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 |
| Sonar Module Support                             | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 |
| Supported Frequency (sonar)                      | Dependent on optional sonar module                                                                                                                                                                                                  | Dependent on optional sonar module                                                                                                                                                                                                  | Dependent on optional sonar module                                                                                                                                                                                                  |
| Transmit Power                                   | Dependent on optional sonar module                                                                                                                                                                                                  | Dependent on optional sonar module                                                                                                                                                                                                  | Dependent on optional sonar module                                                                                                                                                                                                  |
| Panoptix™ Support                                | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 | Yes                                                                                                                                                                                                                                 |
| Data Card Slots                                  | 2 SD™ cards<br>(requires optional card reader)                                                                                                                                                                                      | 2 SD™ cards<br>(requires optional card reader)                                                                                                                                                                                      | 2 SD™ cards<br>(requires optional card reader)                                                                                                                                                                                      |
| Water Rating                                     | IPX7                                                                                                                                                                                                                                | IPX7                                                                                                                                                                                                                                | IPX7                                                                                                                                                                                                                                |
| Mounting Options                                 | Flat or Flush                                                                                                                                                                                                                       | Flat or Flush                                                                                                                                                                                                                       | Flat or Flush                                                                                                                                                                                                                       |
| Power Supply                                     | 10-35 V                                                                                                                                                                                                                             | 10-35 V                                                                                                                                                                                                                             | 10-35 V                                                                                                                                                                                                                             |
| Typical Current Draw at 12 Vdc:                  | 6.1 A                                                                                                                                                                                                                               | 3.9 A                                                                                                                                                                                                                               | 2.8 A                                                                                                                                                                                                                               |
| Connections                                      | Built-in wireless connectivity,<br>NMEA 2000: 1 port,<br>NMEA 0183: 4 in and 2 out,<br>Marine network: 4 ports,<br>USB: 1 port,<br>Video in: 1 BNC composite<br>and 1 HDMI<br>(HDCP compliant),<br>Video out: 1 HDMI, J1939: 1 port | Built-in wireless connectivity,<br>NMEA 2000: 1 port,<br>NMEA 0183: 4 in and 2 out,<br>Marine network: 4 ports,<br>USB: 1 port,<br>Video in: 1 BNC composite<br>and 1 HDMI<br>(HDCP compliant),<br>Video out: 1 HDMI, J1939: 1 port | Built-in wireless connectivity,<br>NMEA 2000: 1 port,<br>NMEA 0183: 4 in and 2 out,<br>Marine network: 4 ports,<br>USB: 1 port,<br>Video in: 1 BNC composite<br>and 1 HDMI<br>(HDCP compliant),<br>Video out: 1 HDMI, J1939: 1 port |

Chartplotters  
and Combos

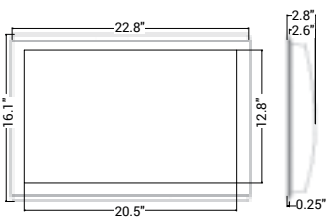
|                                                  | GPSMAP 8610                                                                                                                                                               | GPSMAP 8610xsv                                                                                                                                                            | GPSMAP 8612                                                                                                                                                               | GPSMAP 8612xsv                                                                                                                                                            | GPSMAP 8616                                                                                                                                                               | GPSMAP 8616xsv                                                                                                                                                            |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                  |                                                                                        |                                                                                        |                                                                                        |                                                                                        |                                                                                        |                                                                                        |
| Display Size (diagonal)                          | 10"                                                                                                                                                                       | 10"                                                                                                                                                                       | 12"                                                                                                                                                                       | 12"                                                                                                                                                                       | 16"                                                                                                                                                                       | 16"                                                                                                                                                                       |
| Display Type and Resolution (pixels)             | WUXGA - 1920 x 1200                                                                                                                                                       | WUXGA - 1920 x 1200                                                                                                                                                       | FHD - 1920 x 1080                                                                                                                                                         | FHD - 1920 x 1080                                                                                                                                                         | FHD - 1920 x 1080                                                                                                                                                         | FHD - 1920 x 1080                                                                                                                                                         |
| Touch- or Keyed Panel                            | Multitouch                                                                                                                                                                | Multitouch                                                                                                                                                                | Multitouch                                                                                                                                                                | Multitouch                                                                                                                                                                | Multitouch                                                                                                                                                                | Multitouch                                                                                                                                                                |
| GPS Receiver                                     | 10 Hz GPS/GLONASS/Galileo                                                                                                                                                 | 10 Hz GPS/GLONASS/Galileo                                                                                                                                                 | 10 Hz GPS/GLONASS/Galileo                                                                                                                                                 | 10 Hz GPS/GLONASS/Galileo                                                                                                                                                 | 10 Hz GPS/GLONASS/Galileo                                                                                                                                                 | 10 Hz GPS/GLONASS/Galileo                                                                                                                                                 |
| Standard GPS Antenna                             | Internal (input for external)                                                                                                                                             | Internal (input for external)                                                                                                                                             | Internal (input for external)                                                                                                                                             | Internal (input for external)                                                                                                                                             | Internal (input for external)                                                                                                                                             | Internal (input for external)                                                                                                                                             |
| Number of Waypoints                              | 5,000                                                                                                                                                                     | 5,000                                                                                                                                                                     | 5,000                                                                                                                                                                     | 5,000                                                                                                                                                                     | 5,000                                                                                                                                                                     | 5,000                                                                                                                                                                     |
| Number of Routes                                 | 100                                                                                                                                                                       | 100                                                                                                                                                                       | 100                                                                                                                                                                       | 100                                                                                                                                                                       | 100                                                                                                                                                                       | 100                                                                                                                                                                       |
| J1939 Support                                    | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       |
| NMEA 2000® Compatible                            | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       |
| NMEA 0183® Compatible                            | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       |
| Garmin Marine Network Compatible                 | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       |
| Preloaded Map                                    | BlueChart g3 & LakeVu g3                                                                                                                                                  | BlueChart g3 & LakeVu g3                                                                                                                                                  | BlueChart g3 & LakeVu g3                                                                                                                                                  | BlueChart g3 & LakeVu g3                                                                                                                                                  | BlueChart g3 & LakeVu g3                                                                                                                                                  | BlueChart g3 & LakeVu g3                                                                                                                                                  |
| Auto Guidance                                    | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       |
| ActiveCaptain® Support                           | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       |
| SailAssist                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       |
| Wi-Fi® and ANT™ Wireless Technology              | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       |
| GRID™ 20 (Garmin Remote Input Device) Compatible | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       |
| Wireless Remote Compatible                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       |
| FLIR® Camera Support                             | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       |
| FUSION-Link™ Support                             | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       |
| Video Input                                      | 1 HDMI                                                                                                                                                                    | 1 HDMI                                                                                                                                                                    | 1 HDMI                                                                                                                                                                    | 1 HDMI                                                                                                                                                                    | 1 HDMI                                                                                                                                                                    | 1 HDMI                                                                                                                                                                    |
| Video Output                                     | 1 HDMI                                                                                                                                                                    | 1 HDMI                                                                                                                                                                    | 1 HDMI                                                                                                                                                                    | 1 HDMI                                                                                                                                                                    | 1 HDMI                                                                                                                                                                    | 1 HDMI                                                                                                                                                                    |
| AIS and DSC Support                              | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       |
| Sonar module Support                             | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       |
| Supported Frequency (sonar) <sup>1</sup>         |                                                                                                                                                                           | 40 kHz-250 kHz CHIRP,<br>260/455/800/1200 kHz<br>CHIRP scanning<br>(ClearVü and SideVü)                                                                                   |                                                                                                                                                                           | 40 kHz-250 kHz CHIRP,<br>260/455/800/1200 kHz<br>CHIRP scanning<br>(ClearVü and SideVü)                                                                                   |                                                                                                                                                                           | 40 kHz-250 kHz CHIRP,<br>260/455/800/1200 kHz<br>CHIRP scanning<br>(ClearVü and SideVü)                                                                                   |
| Transmit Power                                   |                                                                                                                                                                           | 1 kW traditional,<br>1 kW CHIRP                                                                                                                                           |                                                                                                                                                                           | 1 kW traditional,<br>1 kW CHIRP                                                                                                                                           |                                                                                                                                                                           | 1 kW traditional,<br>1 kW CHIRP                                                                                                                                           |
| Panoptix™ Support                                | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       |
| Preloaded Quickdraw Contours Software            | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       | Yes                                                                                                                                                                       |
| Data Card Slots                                  | 2 micro SD                                                                                                                                                                | 2 micro SD                                                                                                                                                                | 2 micro SD                                                                                                                                                                | 2 micro SD                                                                                                                                                                | 2 micro SD                                                                                                                                                                | 2 micro SD                                                                                                                                                                |
| Water Rating                                     | IPX7                                                                                                                                                                      | IPX7                                                                                                                                                                      | IPX7                                                                                                                                                                      | IPX7                                                                                                                                                                      | IPX7                                                                                                                                                                      | IPX7                                                                                                                                                                      |
| Mounting Options                                 | Bail, Flush or Flat                                                                                                                                                       | Bail, Flush or Flat                                                                                                                                                       | Bail, Flush or Flat                                                                                                                                                       | Bail, Flush or Flat                                                                                                                                                       | Bail, Flush or Flat                                                                                                                                                       | Bail, Flush or Flat                                                                                                                                                       |
| Power Supply                                     | 10-32 V                                                                                                                                                                   | 10-32 V                                                                                                                                                                   | 10-32 V                                                                                                                                                                   | 10-32 V                                                                                                                                                                   | 10-32 V                                                                                                                                                                   | 10-32 V                                                                                                                                                                   |
| Typical Supply at 12 Vdc:                        | 2.0 A                                                                                                                                                                     | 2.7 A                                                                                                                                                                     | 2.4 A                                                                                                                                                                     | 3.1 A                                                                                                                                                                     | 3.5 A                                                                                                                                                                     | 4.2 A                                                                                                                                                                     |
| Connections                                      | Built-in wireless connectivity,<br>NMEA 2000: 1 port,<br>J1939,<br>NMEA0183: 1 port,<br>Marine Network: 2 ports,<br>Video in: 1 BNC, 1 HDMI,<br>Video out: 1 HDMI,<br>USB | Built-in wireless connectivity,<br>NMEA 2000: 1 port,<br>J1939,<br>NMEA0183: 1 port,<br>Marine Network: 2 ports,<br>Video in: 1 BNC, 1 HDMI,<br>Video out: 1 HDMI,<br>USB | Built-in wireless connectivity,<br>NMEA 2000: 1 port,<br>J1939,<br>NMEA0183: 1 port,<br>Marine Network: 2 ports,<br>Video in: 1 BNC, 1 HDMI,<br>Video out: 1 HDMI,<br>USB | Built-in wireless connectivity,<br>NMEA 2000: 1 port,<br>J1939,<br>NMEA0183: 1 port,<br>Marine Network: 2 ports,<br>Video in: 1 BNC, 1 HDMI,<br>Video out: 1 HDMI,<br>USB | Built-in wireless connectivity,<br>NMEA 2000: 1 port,<br>J1939,<br>NMEA0183: 1 port,<br>Marine Network: 2 ports,<br>Video in: 1 BNC, 1 HDMI,<br>Video out: 1 HDMI,<br>USB | Built-in wireless connectivity,<br>NMEA 2000: 1 port,<br>J1939,<br>NMEA0183: 1 port,<br>Marine Network: 2 ports,<br>Video in: 1 BNC, 1 HDMI,<br>Video out: 1 HDMI,<br>USB |



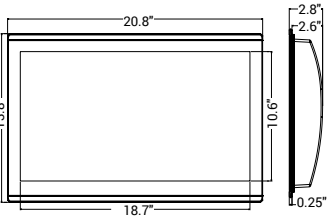
Combos

|                                                  | GPSPMAP 1242xsv/1242 and<br>GPSPMAP 1042xsv/1042                                                                          | GPSPMAP 1242xsv Touch Plus<br>/1242 Touch Plus and<br>GPSPMAP 942xs/942 Plus and<br>GPSPMAP 742xs/742 Plus                                                               | ECHOMAP Ultra<br>106xs/106 and<br>126xs/126                                       | ECHOMAP UHD                                                                                 | ECHOMAP Plus 44cv/43cv                                                              |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                  |                                          |                                                                                         |  |          |  |
| Display Size (diagonal)                          | 12" (1242xsv/1242)<br>10" (1042xsv/1042)                                                                                  | 12" (1242xsv Touch Plus/1242 Touch Plus)<br>9" (942xs/942 Plus)<br>7" (742xs/742 Plus)                                                                                   | 10" (106xs/106)<br>12" (126xs/126)                                                | 9", 7" and 6"                                                                               | 6.2" (64cv/63cv)<br>4.3" (44cv/43cv)                                                |
| Display Type and Resolution (pixels)             | WVGA - 1280 x 800<br>(1242xsv/1242)<br>WSVGA - 1024 x 600 (1042xsv/1042)                                                  | WSVGA - 1280 x 800<br>(1242xsv Touch Plus/1242 Touch Plus)<br>WSVGA - 1024 x 600<br>(942xs/942 Plus)<br>WVGA - 800 x 480<br>(742xs/742 Plus)                             | 1280 x800                                                                         | WVGA - 800 x 480                                                                            | WVGA - 800 x 480 (64cv/63cv)<br>QVGA - 272 x 480 (44cv/43cv)                        |
| Touch- or Keyed Panel                            | Keyed                                                                                                                     | Multitouch                                                                                                                                                               | Keyed Assist Multitouch                                                           | Keyed Assist Multitouch                                                                     | Keyed                                                                               |
| GPS Receiver                                     | 10 Hz GPS/GLONASS, internal                                                                                               | 10 Hz GPS/GLONASS, internal                                                                                                                                              | 10 Hz                                                                             | 5 Hz GPS/GLONASS, internal                                                                  | 5 Hz GPS/GLONASS, internal                                                          |
| Standard GPS Antenna                             | Internal (input for external)                                                                                             | Internal (input for external)                                                                                                                                            | Internal (input for external)                                                     | Internal (input for external)                                                               | Internal (input for external)                                                       |
| Number of Waypoints                              | 5,000                                                                                                                     | 5,000                                                                                                                                                                    | 5,000                                                                             | 5,000                                                                                       | 5,000                                                                               |
| Number of Routes                                 | 100                                                                                                                       | 100                                                                                                                                                                      | 100                                                                               | 100                                                                                         | 100                                                                                 |
| NMEA 2000® Compatible                            | Yes                                                                                                                       | Yes                                                                                                                                                                      | Yes                                                                               | Yes                                                                                         | Yes (64cv/63cv)                                                                     |
| NMEA 0183® Compatible                            | Yes                                                                                                                       | Yes                                                                                                                                                                      | Yes                                                                               | Yes                                                                                         | Yes                                                                                 |
| Garmin Marine Network Compatible                 | Yes                                                                                                                       | Yes                                                                                                                                                                      | Yes, with other 7" and 9" ECHOMAP UHD, ECHOMAP Plus and ECHOMAP Ultra models only | Yes, with other 7" and 9" ECHOMAP UHD, ECHOMAP Plus and ECHOMAP Ultra models only           | No                                                                                  |
| OneHelm                                          | Yes                                                                                                                       | Yes                                                                                                                                                                      | Yes                                                                               | Yes                                                                                         | Yes                                                                                 |
| Preloaded Map                                    | BlueChart® g3 & LakeVu g3                                                                                                 | BlueChart® g3 & LakeVu g3                                                                                                                                                | BlueChart® g3 & LakeVu g3                                                         | BlueChart® g3 & LakeVu g3                                                                   | BlueChart® g3 (64cv, 44cv)<br>LakeVu HD (63cv, 43cv)                                |
| BlueChart® g3 Vision® Compatible                 | Yes                                                                                                                       | Yes                                                                                                                                                                      | Yes                                                                               | Yes                                                                                         | Yes                                                                                 |
| Auto Guidance                                    | Yes                                                                                                                       | Yes                                                                                                                                                                      | Yes                                                                               | When paired with a Vision or Ultra card                                                     | When paired with a Vision or Ultra card                                             |
| ActiveCaptain® Support                           | Yes                                                                                                                       | Yes                                                                                                                                                                      | Yes                                                                               | Yes                                                                                         | No                                                                                  |
| SailAssist                                       | Yes                                                                                                                       | Yes                                                                                                                                                                      | Yes                                                                               | Yes                                                                                         | Yes (64cv/63cv only)                                                                |
| Wi-Fi® Wireless Connectivity                     | Yes                                                                                                                       | Yes                                                                                                                                                                      | Yes                                                                               | Yes                                                                                         | Yes (64cv/63cv) No (44cv/43cv)                                                      |
| ANT® Wireless Connectivity                       | Yes                                                                                                                       | Yes                                                                                                                                                                      | Yes                                                                               | No                                                                                          | No                                                                                  |
| GRID™ 20 (Garmin Remote Input Device) Compatible | Yes                                                                                                                       | Yes                                                                                                                                                                      | No                                                                                | No                                                                                          | No                                                                                  |
| Wireless Remote Compatible                       | Yes                                                                                                                       | Yes                                                                                                                                                                      | No                                                                                | No                                                                                          | No                                                                                  |
| FLIR® Camera Support                             | Yes                                                                                                                       | Yes                                                                                                                                                                      | No                                                                                | No                                                                                          | No                                                                                  |
| FUSION-Link™ Support                             | Yes                                                                                                                       | Yes                                                                                                                                                                      | Yes                                                                               | Yes                                                                                         | Yes (64cv)<br>No (44cv/43cv)                                                        |
| Video Input                                      | 1 BNC                                                                                                                     | 1 BNC<br>Video Output: 1 HDMI<br>(1242 Touch Plus / 1242xsv Touch Plus)                                                                                                  | No                                                                                | No                                                                                          | No                                                                                  |
| AIS and DSC Support                              | Yes                                                                                                                       | Yes                                                                                                                                                                      | Yes                                                                               | Yes                                                                                         | No                                                                                  |
| Traditional HD ID 77/200                         | Yes (xsv)                                                                                                                 | Yes (xs and xsv)                                                                                                                                                         | Yes                                                                               | Yes                                                                                         | Yes                                                                                 |
| Traditional HD ID 50/200                         | Yes (xsv)                                                                                                                 | Yes (xs and xsv)                                                                                                                                                         | Yes                                                                               | Yes                                                                                         | Yes                                                                                 |
| Traditional CHIRP                                | Yes (xsv)                                                                                                                 | Yes (xs and xsv)                                                                                                                                                         | Yes                                                                               | Yes                                                                                         | Yes                                                                                 |
| CHIRP ClearVu                                    | Yes (xsv)                                                                                                                 | Yes (xs and xsv)                                                                                                                                                         | Yes                                                                               | Yes                                                                                         | Yes                                                                                 |
| CHIRP SideVu                                     | Yes (xsv)                                                                                                                 | No                                                                                                                                                                       | Yes                                                                               | Yes                                                                                         | No                                                                                  |
| Dual Channel CHIRP                               | No                                                                                                                        | No                                                                                                                                                                       | No                                                                                | No                                                                                          | No                                                                                  |
| Ultra High-Definition scanning sonar             | No                                                                                                                        | No                                                                                                                                                                       | Yes                                                                               | Yes                                                                                         | No                                                                                  |
| Optional Sonar Support                           | Yes                                                                                                                       | Yes                                                                                                                                                                      | Yes                                                                               | No                                                                                          | No                                                                                  |
| Internal Sonar Sharing                           | Yes (xsv)                                                                                                                 | Yes (xs and xsv)                                                                                                                                                         | Yes, with other 7" and 9" ECHOMAP Plus models and ECHOMAP Ultra models only       | Yes, with other 7" and 9" ECHOMAP UHD and ECHOMAP Ultra models only                         | No                                                                                  |
| Transmit Power                                   | 1 kW traditional, 1 kW CHIRP (xsv)                                                                                        | 1 kW traditional, 1 kW CHIRP (xs)                                                                                                                                        | 600 W                                                                             | Up to 500 W (RMS)                                                                           | Up to 500 W (RMS)                                                                   |
| Panoptix™ Support                                | Yes                                                                                                                       | Yes                                                                                                                                                                      | Yes                                                                               | Yes                                                                                         | No                                                                                  |
| Preloaded Quickdraw Contours Software            | Yes                                                                                                                       | Yes                                                                                                                                                                      | Yes                                                                               | Yes                                                                                         | Yes                                                                                 |
| Data Card Slots                                  | 2 SD™ cards                                                                                                               | 2 MicroSD™ cards                                                                                                                                                         | 2 MicroSD™ cards                                                                  | 1 MicroSD™ card                                                                             | 1 MicroSD™ card                                                                     |
| Water Rating                                     | IPX7                                                                                                                      | IPX7                                                                                                                                                                     | IPX7                                                                              | IPX7                                                                                        | IPX7                                                                                |
| Mounting Options                                 | Bail or Flush                                                                                                             | Bail, Flush or Flat                                                                                                                                                      | Bail or Flush                                                                     | Bail or Flush                                                                               | Bail or Flush                                                                       |
| Power Supply                                     | 10-32 V                                                                                                                   | 10-32 V                                                                                                                                                                  | 10-20 V                                                                           | 10-20 V                                                                                     | 10-20 V                                                                             |
| Typical Current Draw at 12 Vdc:                  | 2.5 A                                                                                                                     | 1.9 A<br>2.5 A (1242 Touch Plus / 1242xsv Touch Plus)                                                                                                                    | 2.2 A (106xs/106)<br>2.5 A (126xs/126)                                            | 1.95 A                                                                                      | 1.5 A                                                                               |
| Connections                                      | Built-in wireless connectivity,<br>NMEA 2000: 1 port,<br>NMEA 0183: 1 port,<br>Marine Network: 2 ports,<br>Video in:1 BNC | Built-in wireless connectivity,<br>NMEA 2000: 1 port,<br>NMEA 0183: 1 port,<br>Marine Network: 1 port,<br>Video in:1 BNC J1939<br>(1242 Touch Plus / 1242xsv Touch Plus) | NMEA 2000: 1 port,<br>NMEA 0183: 1 in and 1 out<br>Marine Network: 2 ports        | NMEA 2000: 1 port,<br>NMEA 0183: 1 in and 1 out<br>Marine Network: 1 port<br>(for Panoptix) | NMEA 2000: 1 port (64cv/63cv),<br>NMEA 0183: 1 in and 1 out                         |

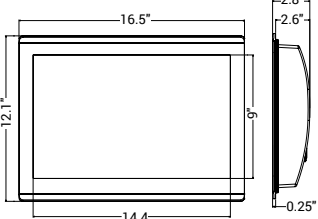
GPSPMAP 8624



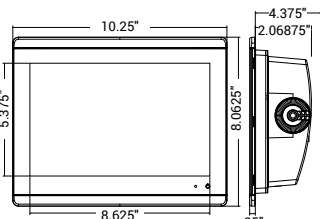
GPSPMAP 8622



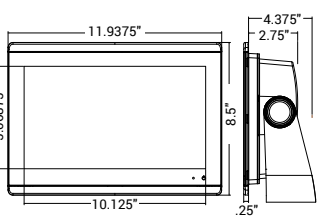
GPSPMAP 8617



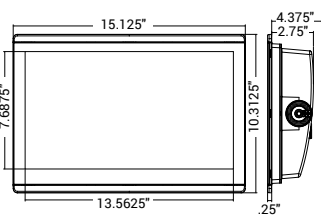
GPSPMAP 8610 / 8610XSV



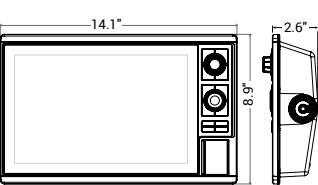
GPSPMAP 8612 / 8612XSV



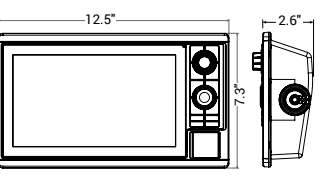
GPSPMAP 8616 / 8616XSV



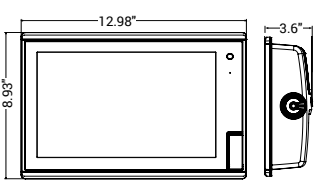
GPSPMAP I242 SERIES



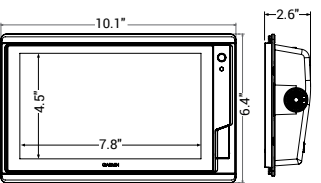
GPSPMAP I042 SERIES



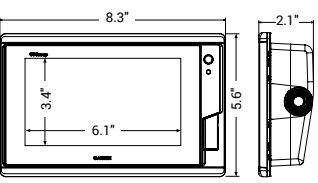
GPSPMAP I242 TOUCH SERIES



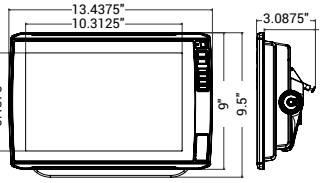
GPSPMAP 942 SERIES



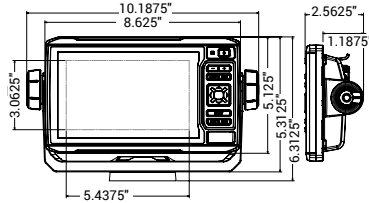
GPSPMAP 742 SERIES



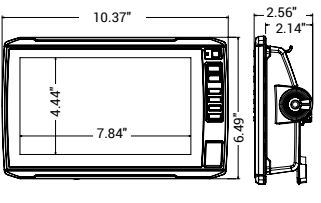
ECHOMAP ULTRA I26/I26XS



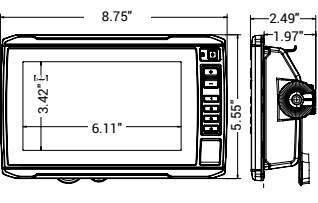
ECHOMAP ULTRA I06/I06XS



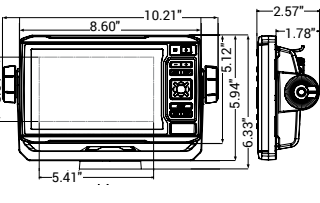
ECHOMAP PLUS 94SV/93SV



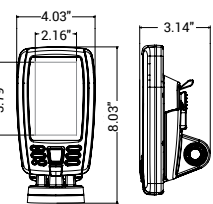
ECHOMAP PLUS 74SV/73SV & 74CV/73CV



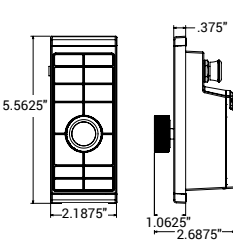
ECHOMAP PLUS 64CV/63CV



ECHOMAP PLUS 44CV/43CV





GARMIN GRID 20















Instruments

|                      | GMI 20 and GHC 20 Autopilot Control                                               | GNX Wind, GNX 20 and GNX 21                                                       | GNX 120                                                                            | GNX 130                                                                             |
|----------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                      |  |  |  |  |
| Bonded Display       | Yes                                                                               | Yes                                                                               | Yes                                                                                | Yes                                                                                 |
| Display Type         | LCD                                                                               | 21-Inverted LCD, monochrome<br>20-Standard LCD, monochrome                        | Inverted LCD, monochrome                                                           | Inverted LCD, monochrome                                                            |
| Physical Size (WxH)  | 4.33" x 4.53" x 1.18" (110 x 115 x 30 mm)                                         | 4.33" x 4.53" x 1.18" (110 x 115 x 30 mm)                                         | 7.11" x 4.54" (180 mm x 115 mm)                                                    | 9.80" x 6.04" (248 mm x 153 mm)                                                     |
| Weight               | 247 g (8.71 oz)                                                                   | 230 g                                                                             | 380 g                                                                              | 820 g                                                                               |
| Digit Height         | 1.93" / 49mm                                                                      | 1.43" / 35mm (GNX20/21)                                                           | 2.0" / 51mm                                                                        | 2.8" / 72mm                                                                         |
| LCD Size (diagonal)  | 4.0" / 102mm                                                                      | 4.0" / 102mm                                                                      | 6.3" / 159mm                                                                       | 9.3" / 236mm                                                                        |
| LCD % of Total Size  | 39%                                                                               | 40%                                                                               | 53%                                                                                | 53%                                                                                 |
| Number of Big Digits | 3                                                                                 | 3                                                                                 | 4                                                                                  | 4                                                                                   |
| Functions per Page   | 1 to 4                                                                            | 1 to 3                                                                            | 1 to 3                                                                             | 1 to 3                                                                              |
| Total Data Fields    | 50+                                                                               | 50+                                                                               | 50+                                                                                | 50+                                                                                 |
| Background Colors    | RGB                                                                               | RGB                                                                               | RGB                                                                                | RGB                                                                                 |
| Sunlight Visible     | Yes                                                                               | Yes                                                                               | Yes                                                                                | Yes                                                                                 |
| Display Update Rate  | 1 Hz                                                                              | Up to 8 Hz                                                                        | Up to 8 Hz                                                                         | Up to 8 Hz                                                                          |
| Operating Temp       | 5°F to 158°F / -15°C to 70°C                                                      | 5°F to 158°F / -15°C to 70°C                                                      | 5°F to 158°F / -15°C to 70°C                                                       | 5°F to 158°F / -15°C to 70°C                                                        |
| Power Consumption    | 3 W (Max light)                                                                   | 350 mW (no backlight)<br>450 mW (no backlight)                                    | 360 mW (no backlight)<br>400 mW (no backlight)                                     | 360 mW (no backlight)<br>400 mW (no backlight)                                      |
| Voltage Range        | 9-16 V (from NMEA 2000)                                                           | 9-16 V (from NMEA 2000)                                                           | 9-16 V (from NMEA 2000)                                                            | 9-16 V (from NMEA 2000)                                                             |

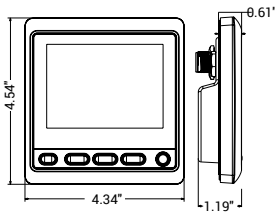
AIS and VHF

|                                                | AIS 800                                                                             | VHF 110                                                                             | VHF 115                                                                             | VHF 210                                                                             | VHF 215                                                                             | VHF 210 AIS                                                                         | VHF 215 AIS                                                                         | VHF 315                                                                             |
|------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                |  |  |  |  |  |  |  |  |
| Display Size, Diagonal                         |                                                                                     | 2.5"                                                                                | 2.5"                                                                                | 3.2"                                                                                | 3.2"                                                                                | 3.2"                                                                                | 3.2"                                                                                | 2" (GHS 11)                                                                         |
| Adjustable Backlighting                        |                                                                                     | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes (GHS 11)                                                                        |
| Class D DSC with Distress and Position Polling |                                                                                     | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 |
| Transmitter Power Output                       | 5 W / 2 W                                                                           | 25 W / 1 W                                                                          | 25 W / 1 W                                                                          | 25 W / 1 W                                                                          | 25 W / 1 W                                                                          | 25 W / 1 W                                                                          | 25 W / 1 W                                                                          | 25 W / 1 W                                                                          |
| Dedicated Channel 16 Button                    |                                                                                     | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes (GHS 11)                                                                        |
| ATIS Compatible                                |                                                                                     | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 |
| NMEA 2000® Interface                           | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 |
| NMEA 0183® Interface                           | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 |
| Supports GHS 11                                |                                                                                     |                                                                                     |                                                                                     | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes, up to 3, 1 included                                                            |
| Intercom (requires GHS 11)                     |                                                                                     |                                                                                     |                                                                                     | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 |
| Hailer/Foghorn Compatible                      |                                                                                     |                                                                                     |                                                                                     | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 |
| Internal GPS Receiver                          | Yes                                                                                 |                                                                                     | Yes                                                                                 |                                                                                     | Yes                                                                                 |                                                                                     | Yes                                                                                 | Yes                                                                                 |
| Internal GPS Antenna                           | Yes                                                                                 |                                                                                     | Yes                                                                                 |                                                                                     | Yes                                                                                 |                                                                                     | Yes                                                                                 |                                                                                     |
| External GPS Options                           | Antenna                                                                             | NMEA 2000<br>NMEA 0183                                                              | Antenna<br>NMEA 2000<br>NMEA 0183                                                   | NMEA 2000<br>NMEA 0183                                                              | Antenna<br>NMEA 2000<br>NMEA 0183                                                   | NMEA 2000<br>NMEA 0183                                                              | Antenna<br>NMEA 2000<br>NMEA 0183                                                   | Antenna<br>NMEA 2000<br>NMEA 0183                                                   |
| AIS Receiver                                   | Yes                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     | Yes                                                                                 | Yes                                                                                 |                                                                                     |
| AIS Transponder                                | Class B/SO                                                                          |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Integral VHF Antenna Splitter                  | Yes                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |

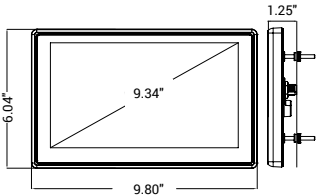
Radars

|                                  | GMR Fantom 124/126                                                                    | GMR 56 / 54                                                                           | GMR 2526 / 1226 xHD2                                                                  | GMR 2524 / 1224 / 424 xHD2                                                            | GMR Fantom 24 / 18                                                                    | GMR 24 xHD / 18 xHD                                                                   | GMR 18HD+                                                                             |
|----------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                                  |  |  |  |  |  |  |  |
| Transmit Power                   | 120W                                                                                  | 120W                                                                                  | 25kW / 12kW / 6kW                                                                     | 25kW / 12kW / 6kW / 4kW                                                               | 40W                                                                                   | 4kW                                                                                   | 4kW                                                                                   |
| Dimensions (diameter)            | 1928 mm (Fantom 126)<br>1328 mm (Fantom 124)                                          | 1928 mm (Fantom 56)<br>1328 mm (Fantom 54)                                            | 1923 mm                                                                               | 1310 mm                                                                               | 645 mm (Fantom 24)<br>508 mm (Fantom 18)                                              | 645 mm (24 xHD)<br>508 mm (18 xHD)                                                    | 508 mm                                                                                |
| Rotation Speed (revolutions/min) | 24 & 48                                                                               | 24 & 48                                                                               | 24 & 48                                                                               | 24 & 48                                                                               | 24 & 48                                                                               | 24 & 48                                                                               | 24                                                                                    |
| Weight                           | 23,6 kg (Fantom 126)<br>21,3 (Fantom 124)                                             | 23,6 kg (Fantom 56)<br>21,3 (Fantom 54)                                               | 29 kg                                                                                 | 28,1                                                                                  | 9,5 kg (Fantom 24)<br>7,7 kg (Fantom 18)                                              | 9,5 kg (24 xHD)<br>7,7 kg (18 xHD)                                                    | 7,7 kg                                                                                |
| Horizontal Beamwidth             | 1.25° (Fantom 126)<br>1.8° (Fantom 124)                                               | 1.25° (Fantom 56)<br>1.8° (Fantom 54)                                                 | 1.1°                                                                                  | 1.8°                                                                                  | 3.7° (Fantom 24)<br>5.2° (Fantom 18)                                                  | 3.5° (24 xHD)<br>5.2° (18 xHD)                                                        | 5.2°                                                                                  |
| Vertical Beamwidth               | 23°                                                                                   | 23°                                                                                   | 23°                                                                                   | 23°                                                                                   | 25°                                                                                   | 25°                                                                                   | 25°                                                                                   |
| Maximum/Minimum Range            | 96 nm / 6 m (Fantom 126)<br>72NM / 6 m (Fantom 124)                                   | 96 nm / 6 m (Fantom 56)<br>72NM / 6 m (Fantom 54)                                     | 96 nm / 20 m (2526)<br>72 NM / 20 m (1226)                                            | 96 nm / 20 m (2524)<br>72 NM / 20 m (1224/424)                                        | 48 nm / 6 m                                                                           | 48 nm / 20 m                                                                          | 36 nm / 20 m                                                                          |
| Waterproof According to Standard | IPX6                                                                                  | IPX6                                                                                  | IPX6                                                                                  | IPX6                                                                                  | IPX7                                                                                  | IPX7                                                                                  | IPX7                                                                                  |
| Power Supply                     | 10-32 V                                                                               | 10-32 V                                                                               | 10-32 V                                                                               | 10-32 V                                                                               | 10-32 V                                                                               | 11 - 35V                                                                              | 10.5-35 V                                                                             |
| Power Consumption (typical)      | 80 W                                                                                  | 80 W                                                                                  | 100 W (25 kW),<br>90 W (12 kW),<br>65 W (6 kW)                                        | 100 W (25 kW),<br>90 W (12 kW),<br>65 W (6 kW), 55 W (4 kW)                           | 18.1-24.4 W<br>(dependent on range setting)                                           | 30 W                                                                                  | 33.5 W                                                                                |
| Power Consumption (standby)      | 10 W                                                                                  | 10 W                                                                                  | 20 W                                                                                  | 20 W                                                                                  | 3 W                                                                                   | 12 W                                                                                  | 14 W                                                                                  |
| Temperature Range                | -15 to 55C                                                                            | -15 to 55C                                                                            | -15 to 55C                                                                            | -15 to 55C                                                                            | -15 to 55C                                                                            | -15 to 70C                                                                            | -15 to 60C                                                                            |
| Guard Zone with Alarm            | Yes                                                                                   | Yes                                                                                   | Yes                                                                                   | Yes                                                                                   | Yes                                                                                   | Yes                                                                                   | Yes                                                                                   |
| Cable Length                     | 15 m                                                                                  | 15 m                                                                                  | 15 m                                                                                  | 15 m                                                                                  | 15 m                                                                                  | 15 m                                                                                  | 15 m                                                                                  |
| Polarization                     | Horizontal                                                                            | Horizontal                                                                            | Horizontal                                                                            | Horizontal                                                                            | Horizontal                                                                            | Horizontal                                                                            | Horizontal                                                                            |
| Trails                           | Heading-corrected,<br>Adjustable                                                      | Heading-corrected,<br>Adjustable                                                      | Adjustable                                                                            | Adjustable                                                                            | Heading-corrected,<br>Adjustable                                                      | Adjustable                                                                            | Adjustable                                                                            |
| Dual Range                       | Yes                                                                                   | Yes                                                                                   | Yes                                                                                   | Yes                                                                                   | Yes                                                                                   | Yes                                                                                   | No                                                                                    |

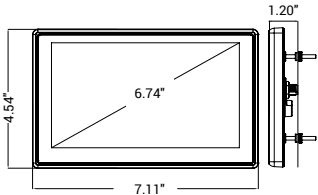
GHC/GMI 20 AND GNX 20/21/WIND



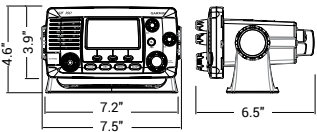
GNX 130



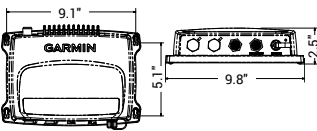
GNX 120



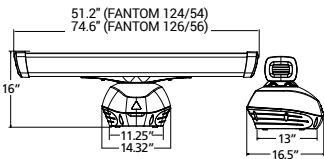
VHF SERIES



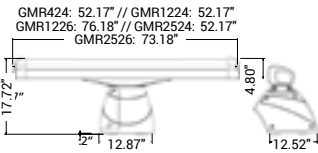
AIS SERIES



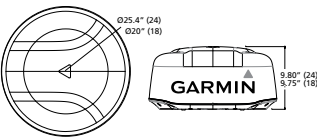
GMR FANTOM SERIES



GMR XHD2 SERIES



GMR DOME SERIES

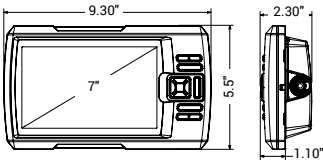




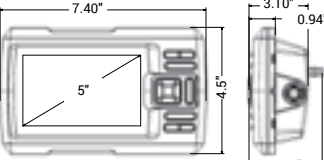
Fishfinders

|                                                      | Striker Plus 7sv                                                                  | Striker Plus 7cv                                                                  | Striker Plus 5cv                                                                  | Striker Plus 4cv                                                                    | Striker 4                                                                           |
|------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                      |  |  |  |  |  |
| Display Size (diagonal)                              | 7.0"                                                                              | 7.0"                                                                              | 5.0"                                                                              | 4.3"                                                                                | 3.5"                                                                                |
| Display Resolution                                   | 800 x 480 WVGA                                                                    | 800 x 480 WVGA                                                                    | 800 x 480 WVGA                                                                    | 480 x 320 HVGA                                                                      | 480 x 320 HVGA                                                                      |
| Internal High-sensitivity GPS                        | Yes                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                                 | Yes                                                                                 |
| Built-in Quickdraw                                   | Yes                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                                 | No                                                                                  |
| Built-in Wi-Fi®                                      | Yes                                                                               | Yes                                                                               | No                                                                                | No                                                                                  | No                                                                                  |
| CHIRP Traditional Sonar                              | Yes                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                                 | Yes                                                                                 |
| Dual Frequency (50/200 kHz)                          | Yes                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                                 | Yes                                                                                 |
| Dual Beam (77/200 kHz)                               | Yes                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                                 | Yes                                                                                 |
| CHIRP ClearVü                                        | Yes                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                                 | N/A                                                                                 |
| CHIRP SideVü                                         | Yes                                                                               | N/A                                                                               | N/A                                                                               | N/A                                                                                 | N/A                                                                                 |
| Included Transducer                                  | CV52HW-TM (High Wide CHIRP/ ClearVü/SideVü)                                       | CV20-TM (CHIRP/ClearVü)                                                           | CV20-TM (CHIRP/ClearVü)                                                           | CV20-TM (CHIRP/ClearVü)                                                             | Dual Beam (77/200 kHz)                                                              |
| Transmit Power - Included Transducer                 | 250 W Trad<br>350 W ClearVü/SideVü                                                | 500 W Trad<br>500 W ClearVü                                                       | 500 W Trad<br>500 W ClearVü                                                       | 300 W Trad<br>300 W ClearVü                                                         | 200 W (RMS)<br>1,600 W (peak-to-peak)                                               |
| Frequencies Supported (kHz)                          | High-Wide CHIRP (150-240 kHz)<br>ClearVü/SideVü (455/800 kHz)                     | CHIRP (77/200 kHz)<br>ClearVü (455/800 kHz)                                       | CHIRP (77/200 kHz)<br>ClearVü (455/800 kHz)                                       | CHIRP 77/200 kHz<br>ClearVü (455/800 kHz)                                           | Traditional: 50/77/200 CHIRP (Low, Mid, High)                                       |
| Maximum Depth Capabilities with Included Transducer¹ | 800 ft (traditional)<br>250 ft (ClearVü)<br>500 ft Left/Right (SideVü)            | 2,300 ft (traditional)<br>250 ft (ClearVü)                                        | 2,300 ft (traditional)<br>250 ft (ClearVü)                                        | 1,750 ft (traditional)<br>250 ft (ClearVü)                                          | 1,600 ft (traditional)                                                              |
| Waypoints                                            | 5,000                                                                             | 5,000                                                                             | 5,000                                                                             | 5,000                                                                               | 5,000                                                                               |
| Audible Alarms                                       | Yes                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                                 | Yes                                                                                 |
| User Data Sharing Cable Compatible                   | Yes                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                                 | Yes                                                                                 |
| Water Temperature Log/Graph                          | Yes                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                                 | Yes                                                                                 |
| GPS Speed                                            | Yes                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                                 | Yes                                                                                 |
| Flasher                                              | Yes                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                                 | Yes                                                                                 |

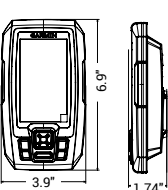
STRIKER PLUS 7SV/7CV



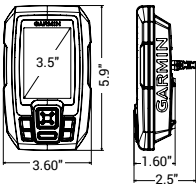
STRIKER PLUS 5CV



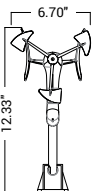
STRIKER PLUS 4CV



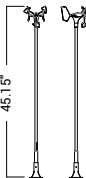
STRIKER 4



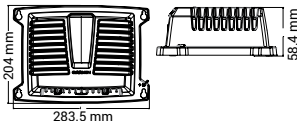
GWIND/GWIND WIRELESS 2



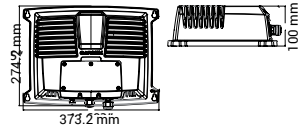
GWIND RACE



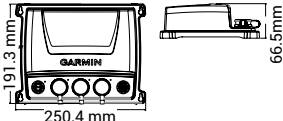
GSD 24







GSD 26



GCV 10 AND GSD 25






gWind

|                                          | gWind Transducer                                                                    | gWind Race Transducer                                                               | gWind Wireless 2 Transducer                                                         | GND 10                                                                              |
|------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                          |  |  |  |  |
| Unit Dimensions, WxHxD                   | 610 x 345 mm                                                                        | H=45.15"                                                                            | 6.70" x 12.33"                                                                      | 6.73" x 3.58" x 1.97"                                                               |
| Weight                                   | 260 g                                                                               | 320 g                                                                               | 350 g                                                                               | 196 g                                                                               |
| Cable Length                             | 25 m                                                                                | 25 m                                                                                | N/A                                                                                 | NMEA 2000 (2m) Nexus network (5m)                                                   |
| Water-resistant                          | IPX6                                                                                | IPX6                                                                                | IPX6                                                                                | IPX6                                                                                |
| Temp Range                               | From -15°C to 70°C                                                                  | From -15°C to 70°C                                                                  | From -15°C to 70°C                                                                  | From -15°C to 70°C                                                                  |
| Voltage Range                            | 9-16 V                                                                              | 9-16 V                                                                              | N/A                                                                                 | 9-16 V                                                                              |
| Power Usage                              | 0.33 W                                                                              | 0.33 W                                                                              | Solar-powered                                                                       | 0.85 W                                                                              |
| Compass Safe Distance                    | N/A                                                                                 | N/A                                                                                 | N/A                                                                                 | 0.1m                                                                                |
| Accuracy Angle                           | Better than ±1.5°                                                                   | Better than ±1.5°                                                                   | Better than ±1.5°                                                                   | N/A                                                                                 |
| Speed                                    | Better than ±3%                                                                     | Better than ±3%                                                                     | Better than ±3%                                                                     | N/A                                                                                 |
| NMEA 2000® Load Equivalency Number (LEN) | N/A                                                                                 | N/A                                                                                 | N/A                                                                                 | 4                                                                                   |
| Wireless Connectivity                    | No                                                                                  | No                                                                                  | Yes                                                                                 | No                                                                                  |

Sonar Modules

|                                            | GSD 24                                                                              | GSD 25                                                                                                                                                                   | GSD 26                                                                                                        | GCV 10                                                                              | GCV 20                                                                              |
|--------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                            |  |                                                                                       |                            |  |  |
| Physical Size (WxHxD)                      | 275 x 82 x 204 mm                                                                   | 192 x 66 x 251 mm                                                                                                                                                        | 363 x 100 x 274 mm                                                                                            | 192 x 66 x 251 mm                                                                   | 192 x 66 x 251 mm                                                                   |
| White Line                                 | Yes                                                                                 | Yes                                                                                                                                                                      | Yes                                                                                                           | No                                                                                  | No                                                                                  |
| Water-resistant According to Standard      | IPX7                                                                                | IPX7                                                                                                                                                                     | IPX7                                                                                                          | IPX7                                                                                | IPX7                                                                                |
| Ultrascroll                                | Yes                                                                                 | Yes                                                                                                                                                                      | Yes                                                                                                           | No                                                                                  | No                                                                                  |
| Compatible with Dual Frequency Transducers | Yes                                                                                 | Yes                                                                                                                                                                      | Yes                                                                                                           | No                                                                                  | No                                                                                  |
| Autogain Technology                        | Yes                                                                                 | Yes                                                                                                                                                                      | Yes                                                                                                           | Yes                                                                                 | Yes                                                                                 |
| Power Supply                               | 10-35 V                                                                             | 10-35 V                                                                                                                                                                  | 10-35 V                                                                                                       | 10-35 V                                                                             | 10-35 V                                                                             |
| Power Consumption                          | 2-29 W                                                                              | 2-29 W                                                                                                                                                                   | 5-94 W                                                                                                        | 10.5 W                                                                              | 10.5 W                                                                              |
| Maximum Depth¹                             | 5,000 ft                                                                            | ClearVü: 750 ft<br>SideVü: 500 ft<br>Traditional: 5,000 ft                                                                                                               | 10,000 ft                                                                                                     | ClearVü: 750 ft<br>SideVü: 500 ft                                                   | ClearVü: 750 ft<br>SideVü: 500 ft                                                   |
| Fish Symbol ID                             | Yes                                                                                 | Yes                                                                                                                                                                      | Yes                                                                                                           | No                                                                                  | No                                                                                  |
| Frequency                                  | Traditional: 50/200, 77/200, 83/200 kHz                                             | Traditional: 50/200, 77/200, 83/200 kHz<br>Single Channel CHIRP: 40-250 kHz<br>Dual Channel CHIRP: 40-250 kHz<br>SideVü/ClearVü CHIRP: 455/800 kHz<br>CHIRP: 260/455 kHz | Traditional: 50/200, 77/200, 83/200 kHz<br>Single Channel CHIRP: 40-250 kHz<br>Dual Channel CHIRP: 40-250 kHz | SideVü/ClearVü CHIRP: 455/800 kHz<br>CHIRP: 260/455 kHz                             | SideVü/ClearVü CHIRP: 455/800/1200 kHz                                              |
| Maximum Transducer Angle Dual Frequency    | 45/10°                                                                              | 45/10°                                                                                                                                                                   | 45/10°                                                                                                        | n/a                                                                                 | n/a                                                                                 |
| Depth Controlled Gain                      | Yes                                                                                 | Yes                                                                                                                                                                      | Yes                                                                                                           | No                                                                                  | No                                                                                  |
| See Thru Compatible                        | Yes                                                                                 | Yes                                                                                                                                                                      | Yes                                                                                                           | No                                                                                  | No                                                                                  |
| Output Power                               | Up to 2 kW                                                                          | Up to 1 kW                                                                                                                                                               | Up to 3 kW                                                                                                    | 500 W                                                                               | 500 W                                                                               |
| Garmin Marine Network Compatible           | Yes                                                                                 | Yes                                                                                                                                                                      | Yes                                                                                                           | Yes                                                                                 | Yes                                                                                 |

Cameras

|                            | GC12 Marine Camera                                                                    | GC200 Marine IP Camera                                                                | GC100 Marine Camera                                                                   |
|----------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                            |  |  |  |
| Video Resolution           | 976(H) x 582(V)                                                                       | Up to 1920 x 1080P²                                                                   | 720p                                                                                  |
| Low-light Vision           | Up to 10 meters                                                                       | Up to 30 meters                                                                       | Up to 3 meters                                                                        |
| Water Rating               | IPX 7                                                                                 | IPX 7                                                                                 | IPX 7                                                                                 |
| One-button Start-up        |                                                                                       |                                                                                       | •                                                                                     |
| Pair multiple Camera       |                                                                                       | •                                                                                     | •                                                                                     |
| Connection to Chartplotter | Composite Video                                                                       | Ethernet                                                                              | Wi-Fi®                                                                                |
| Hardwired Power            | 12 V (9-18 VDC)                                                                       | 12 V and POE (9-18 VDC or PoE)                                                        | 12 V (10-30 VDC)                                                                      |
| Compass Safe Distance      | 6 1/8" (155 mm)                                                                       |                                                                                       | 4" (100 mm)                                                                           |
| Operating Temperature      | -10 to 50°C (from 14 to 122°F)                                                        | -20 to 60°C (from -4 to 140°F)                                                        | -20 to 60°C (from -4 to 140°F)                                                        |
| Viewing Angle, DxHxV(°)    | 95.0° x 69.0° x 52.0°                                                                 | 123° x 99° x 74°                                                                      | 183° x 160° x 90°                                                                     |
| Weight                     | 7.2 oz (205 g)                                                                        | 18.3 oz (520 g)                                                                       | 1.7 oz (50 g)                                                                         |
| Unit Dimensions            | 2.0" x 1.7" (5.1 x 4.4 cm)                                                            | 3.5" x 3.25" (8.9 x 8.3 cm)                                                           | 2.0" x 1.6" x 1.1" (5.0 x 4.0 x 2.8 cm)                                               |
| Power Consumption          | 80 mA (IR Off), 170 mA (IR On)                                                        | 210 mA (IR Off), 370 mA (IR On)                                                       | 10 W                                                                                  |

¹Maximum depth capacity is dependent on water salinity, bottom type and other water conditions • Wi-Fi is a registered trademark of the Wi-Fi Alliance.

¹Maximum depth capacity is dependent on water salinity, bottom type and other water conditions • All current Garmin Chartplotters can only support up to 1280x720P



Handhelds  
and Wearables

|                                    | quatix 5                                                                                         | GPSMAP 276Cx                                                                      | GPS 73                                                                            | GPSMAP 78/78s/78sc                                                                 | GPSMAP 86s/86sc/86i/86sci 86                                                                                                                                              | inReach Mini Marine Bundle                                                                                                                                                                     |
|------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                    |                 |  |  |  |                                                                                        |                                                                                                             |
| Number of Waypoints                | 1,000                                                                                            | 10,000                                                                            | 1,000                                                                             | 2,000                                                                              | 10,000                                                                                                                                                                    | 500                                                                                                                                                                                            |
| Internal Map Memory                | 64 MB                                                                                            | 8.0 GB                                                                            | No                                                                                | 1.7 GB                                                                             | 16 GB                                                                                                                                                                     | No                                                                                                                                                                                             |
| Number of Routes                   | 30                                                                                               | 250                                                                               | 50                                                                                | 200                                                                                | 250                                                                                                                                                                       | 20                                                                                                                                                                                             |
| Basemap, Preprogrammed Map         | No                                                                                               | Worldwide basemap                                                                 | No                                                                                | Worldwide basemap                                                                  | BlueChart g3 (86sc, 86sci)                                                                                                                                                | No                                                                                                                                                                                             |
| Additional Map Options             | No                                                                                               | BlueChart g2, City Navigator, topo, topo 24k                                      | No                                                                                | BlueChart g2 (78sc), City Navigator, Pro-, Pro v2- and Prime outdoor maps          | 86sci/86i: Up to 35 hours in 10-minute tracking mode; up to 200 hours (expedition mode) 86sci 86sc/86s: Up to 40 hours (standard mode); up to 200 hours (expedition mode) | No                                                                                                                                                                                             |
| Battery Life                       | up to 50 hours (UltraTrac™ mode), up to 20 hours (GPS training mode), up to 6 weeks (watch mode) | up to 16 hours (lithium-ion); up to 8 hours (AA batteries)                        | 18+ hours on 2 AA batteries (not included)                                        | 20 hours (2 AA)                                                                    | 20 hours (2 AA)                                                                                                                                                           | up to 90 hours at 10-minute tracking (default); up to 35 hours at 10-minute tracking with 1-second logging; up to 24 days at 30-minute tracking power save mode; up to 1 year when powered off |
| Display Size                       | 1.2" (30.4 mm) diameter                                                                          | 5" diagonal                                                                       | 2.6" diagonal                                                                     | 2.6" diagonal                                                                      | 3" diagonal                                                                                                                                                               | 1.3" diagonal                                                                                                                                                                                  |
| Display Type                       | Transflective MIP color                                                                          | TFT (Transflective)                                                               | TFT (Transflective)                                                               | TFT (Transflective)                                                                | TFT (Transflective)                                                                                                                                                       | Sunlight-readable, monochrome, transflective memory-in-pixel (MIP)                                                                                                                             |
| Area Calculation                   | Yes                                                                                              | Yes                                                                               | Yes                                                                               | Yes                                                                                | Yes                                                                                                                                                                       | No                                                                                                                                                                                             |
| Display Resolution Pixels (HxW)    | 240 x 240                                                                                        | 800 x 480                                                                         | 160 x 128                                                                         | 240 x 160                                                                          | 240 x 400                                                                                                                                                                 | 128 x 128                                                                                                                                                                                      |
| Standard GPS Antenna               | EX0™ antenna                                                                                     | Internal                                                                          | Internal                                                                          | Integral quad helix                                                                | Integral quad helix                                                                                                                                                       | Integral quad helix                                                                                                                                                                            |
| BLUETOOTH®                         | Yes                                                                                              | BLUETOOTH / Wi-Fi®                                                                | No                                                                                | No                                                                                 | No                                                                                                                                                                        | Yes                                                                                                                                                                                            |
| TracBack® Function                 | Yes                                                                                              | Yes                                                                               | Yes                                                                               | Yes                                                                                | Yes                                                                                                                                                                       | No                                                                                                                                                                                             |
| Number of Track Points             | 10,000                                                                                           | 20,000                                                                            | 10,000                                                                            | 10,000                                                                             | 20,000                                                                                                                                                                    | 10,000                                                                                                                                                                                         |
| Weight                             | Silicone band: 85 g<br>Metal band: 156 g                                                         | 450 g (lithium), 415 g (AA)                                                       | 232,4 g                                                                           | 218 g                                                                              | 272 g                                                                                                                                                                     | 100 g                                                                                                                                                                                          |
| Alarm                              | Yes                                                                                              | Yes                                                                               | Yes                                                                               | Yes                                                                                | Yes                                                                                                                                                                       | No                                                                                                                                                                                             |
| Waterproof According to Standard   | 10 ATM                                                                                           | IPX7                                                                              | IPX7                                                                              | IPX7                                                                               | IPX7                                                                                                                                                                      | IPX7                                                                                                                                                                                           |
| Physical Size in mm (HxWxD)        | 47 x 47 x 15,5                                                                                   | 191 x 94 x 43                                                                     | 157 x 69 x 30                                                                     | 152 x 66 x 30                                                                      | 177.8 x 69.85 x 43.18                                                                                                                                                     | 51.7 x 99.0 x 26.1                                                                                                                                                                             |
| Separate Serial and USB Interfaces | No                                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                                | Yes                                                                                                                                                                       | No                                                                                                                                                                                             |
| Storage of Cartography             | No                                                                                               | microSD memory card                                                               | No                                                                                | microSD memory card                                                                | microSD memory card                                                                                                                                                       | No                                                                                                                                                                                             |
| Backlit Display                    | Yes                                                                                              | Yes                                                                               | Yes                                                                               | Yes                                                                                | Yes                                                                                                                                                                       | Yes                                                                                                                                                                                            |
| Input for External Antenna         | No                                                                                               | Yes                                                                               | No                                                                                | Yes                                                                                | Yes                                                                                                                                                                       | No                                                                                                                                                                                             |
| WAAS/EGNOS Compatible              | Yes                                                                                              | Yes                                                                               | Yes                                                                               | Yes                                                                                | Yes                                                                                                                                                                       | Yes                                                                                                                                                                                            |
| Integral Electronic Compass        | Yes                                                                                              | Yes                                                                               | No                                                                                | Yes (78s)                                                                          | Yes                                                                                                                                                                       | No                                                                                                                                                                                             |
| Integral Barometric Altimeter      | Yes                                                                                              | Yes                                                                               | No                                                                                | Yes (78s)                                                                          | Yes                                                                                                                                                                       | No                                                                                                                                                                                             |
| Automatic Route Calculation        | No                                                                                               | Yes, with City Navigator                                                          | No                                                                                | Yes, with City Navigator                                                           | Yes (with optional mapping for detailed roads)                                                                                                                            | No                                                                                                                                                                                             |
| Calendar for Hunting/Fishing Times | No                                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                                | Yes                                                                                                                                                                       | No                                                                                                                                                                                             |
| Solar and Lunar Calendar           | Yes                                                                                              | Yes                                                                               | Yes                                                                               | Yes                                                                                | Yes                                                                                                                                                                       | No                                                                                                                                                                                             |
| Area Waypoints                     | Yes                                                                                              | Yes                                                                               | Yes                                                                               | Yes                                                                                | Yes                                                                                                                                                                       | No                                                                                                                                                                                             |
| Tidal Information                  | Yes                                                                                              | Yes                                                                               | No                                                                                | Yes                                                                                | Yes                                                                                                                                                                       | No                                                                                                                                                                                             |
| Power Supply (external)            | No                                                                                               | 8-36 V                                                                            | 8-36 V                                                                            | 8-36 V                                                                             | 8-36 V                                                                                                                                                                    | Included bare wire cable: 10-30 B Unit: 5 V Micro USB                                                                                                                                          |
| Waypoint Icons                     | No                                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                                | Yes                                                                                                                                                                       | No                                                                                                                                                                                             |
| NMEA Compatible                    | No                                                                                               | Yes (NMEA 0183)                                                                   | Yes (NMEA 0183)                                                                   | Yes (NMEA 0183)                                                                    | Yes (NMEA 0183)                                                                                                                                                           | No                                                                                                                                                                                             |
| Camera                             | No                                                                                               | No                                                                                | No                                                                                | No                                                                                 | No                                                                                                                                                                        | No                                                                                                                                                                                             |
| Picture Viewer                     | No                                                                                               | No                                                                                | No                                                                                | Yes                                                                                | Yes                                                                                                                                                                       | No                                                                                                                                                                                             |
| Floats                             | No                                                                                               | Yes                                                                               | Yes                                                                               | Yes                                                                                | No                                                                                                                                                                        | No                                                                                                                                                                                             |

Autopilot Compatibility

| Steering Type                 | Vessel Size/Type and Overall Use                                                                                                                        | Recommended Core Pack                                                   | Drive Unit Type                                   | Components Included in Core Pack                              | Required Components not Included in Core Pack                                                                                                          |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hydraulic                     | Premium, recommended option for most hydraulic steering installations, including Verado®, power assist and total cylinder volumes up to 24 cubic inches | Reactor™ 40 Hydraulic Core Pack with SmartPump™ v2                      | SmartPump v2                                      | Reactor 40 SmartPump v2 Shadow Drive                          |                                                                                                                                                        |
| Hydraulic                     | Low-cost option and single-cylinder applications with cylinder volumes from 6 to 14 cubic inches                                                        | Reactor 40 Hydraulic Autopilot                                          | GHP 1.2 L Pump                                    | Reactor 40 ECU 10 Shadow Drive GHC 20                         | 010-00705-64: GHP 1.2 L Pump                                                                                                                           |
| Hydraulic                     | Low-cost option for dual-cylinder applications with total cylinder volumes from 10 to 24 cubic inches                                                   | Reactor 40 Hydraulic Autopilot                                          | GHP 2.0 L Pump                                    | Reactor 40 ECU 10 Shadow Drive GHC 20                         | 010-00705-63: GHP 2.0 L Pump                                                                                                                           |
| Hydraulic                     | Cruising applications only; for single-engine outboard vessels less than 30' long for cylinder sizes up to 10 cubic inches                              | Compact Reactor™ 40 with Pump, GHC 20™ and Shadow Drive Technology Pack | 1.0 L Pump                                        | Reactor 40 Compact ECU 1.0 L Pump Shadow Drive, GHC 20        |                                                                                                                                                        |
| Hydraulic                     | Cruising applications only; for single-engine outboard vessels less than 30' long for cylinder sizes up to 10 cubic inches                              | Compact Reactor 40 Hydraulic Autopilot with GHC 20 Pack                 | 1.0 L Pump                                        | Reactor 40 Compact ECU 1.0 L Pump Shadow Drive                |                                                                                                                                                        |
| Hydraulic                     | Cruising applications only, for single-engine outboard vessels less than 30' long for cylinder sizes up to 10 cubic inches                              | Compact Reactor 40 Hydraulic Autopilot Starter Pack                     | 1.0L Pump                                         | Reactor 40 Compact ECU 1.0 L Pump                             |                                                                                                                                                        |
| Hydraulic                     | Hydraulic steering vessels with non-Garmin drive units                                                                                                  | Reactor 40 Mechanical/ Solenoid/Retrofit Corepack                       | Third-party Drive Unit                            | Reactor 40 ECU 12 GHC 20                                      | Third-party drive unit<br>010-11533-00: actuator motor cable,<br>010-11829-00: GRF 10 rudder sensor;<br>or 010-11532-00 plus third-party rudder sensor |
| Mechanical Steering           | Total vessel displacements from 48,000 to 79,000 pounds                                                                                                 | Reactor 40 Mechanical/ Solenoid/Retrofit Core Pack                      | Class B Linear Actuator                           | Reactor 40 ECU 12 GHC 20                                      | 010-11573-00: Class B linear actuator; has rudder feedback included                                                                                    |
| Mechanical Steering           | Total vessel displacements up to 48,400 pounds                                                                                                          | Reactor 40 Mechanical/ Solenoid/Retrofit Core Pack                      | Class B Compact Linear Actuator                   | Reactor 40 ECU 12 GHC 20                                      | 010-12029-00: Class B linear actuator; has rudder feedback included                                                                                    |
| Mechanical Steering           | Total vessel displacements up to 28,500 pounds, with very low backdrive force required                                                                  | Reactor 40 Mechanical/ Solenoid/Retrofit Core Pack                      | Class A Linear Actuator                           | Reactor 40 ECU 12 GHC 20                                      | 010-11572-00: Class A linear actuator; has rudder feedback included                                                                                    |
| Mechanical Steering           | Sailboats with non-Garmin drive units                                                                                                                   | Reactor 40 Mechanical/ Solenoid/Retrofit Core Pack                      | Third-party Drive Unit                            | Reactor 40 ECU 12 GHC 20                                      | Third-party drive unit<br>010-11533-00: actuator motor cable,<br>010-11829-00: GRF 10 rudder sensor;<br>or 010-11532-00 plus third-party rudder sensor |
| Steer by Wire                 | SeaStar Optimus                                                                                                                                         | Reactor 40 Steer-by-wire Standard Core Pack                             |                                                   | Reactor 40 GHC 20                                             |                                                                                                                                                        |
| Steer by Wire                 | ZF Pod Drive                                                                                                                                            | Reactor 40 Steer-by-wire Standard Core Pack                             |                                                   | Reactor 40 GHC 20                                             |                                                                                                                                                        |
| Steer by Wire                 | YANMAR                                                                                                                                                  | Reactor 40 Steer-by-wire Standard Core Pack                             |                                                   | Reactor 40 GHC 20                                             |                                                                                                                                                        |
| Steer by Wire                 | Yamaha Helm Master®                                                                                                                                     | Reactor 40 Steer-by-wire Core Pack for Yamaha Helm Master               | Gateway Included                                  | Reactor 40 Autopilot Gateway GHC 20                           |                                                                                                                                                        |
| Steer by Wire                 | Volvo IPS or Sterndrive                                                                                                                                 | Reactor 40 Steer-by-wire Core Pack for Volvo-Penta                      | Gateway Included                                  | Reactor 40 Autopilot Gateway GHC 20                           |                                                                                                                                                        |
| Steer by Wire                 | Viking® Viper™                                                                                                                                          | Reactor 40 Steer-by-wire Core Pack for Viking Viper                     |                                                   | Reactor 40 GHC 20                                             |                                                                                                                                                        |
| Solenoid                      | Constant running hydraulic pump systems with solenoid autopilot control                                                                                 | Reactor 40 Mechanical/ Solenoid/Retrofit Core Pack                      | Third-party Solenoid Required                     | Reactor 40 ECU 12 GHC 20                                      | 010-11533-10: solenoid cable<br>010-11829-00: GRF 10 rudder sensor<br>or 010-11532-00 plus third-party rudder sensor                                   |
| Cable Steer                   | Most cable-steered vessels                                                                                                                              | Reactor 40 Mechanical/ Solenoid/Retrofit Core Pack                      | Third-party 12VDC Brushed Motor Actuator Required | Reactor 40 ECU 12 GHC 20                                      | 010-11533-10: solenoid cable<br>010-11829-00: GRF 10 rudder sensor<br>or 010-11532-00 plus third-party rudder sensor                                   |
| Auxiliary Gas Engine (Kicker) | <20HP auxiliary gas engines from most major manufacturers                                                                                               | Reactor 40 Kicker                                                       | Steering Actuator Included                        | CCU, ECU, Steering Actuator Throttle Actuator Wireless Remote |                                                                                                                                                        |



PRICING





| GARMIN NETWORK AND MFDS | PART NUMBER  | LIST PRICE  |
|-------------------------|--------------|-------------|
| GPSMAP 8617             | 010-01510-01 | \$7,499.99  |
| GPSMAP 8622             | 010-01511-01 | \$9,999.99  |
| GPSMAP 8624             | 010-01512-01 | \$11,999.99 |
| GRID 20, Portrait       | 010-02011-00 | \$249.99    |
| GRID 20, Landscape      | 010-02011-01 | \$249.99    |
| Garmin Card Reader      | 010-01023-00 | \$199.99    |

| GPSMAP COMBOS AND STAND-ALONES                                         |              |            |
|------------------------------------------------------------------------|--------------|------------|
| GPSMAP 742 Plus, U.S. LakeVü g3 and U.S. BlueChart g3                  | 010-02320-01 | \$999.99   |
| GPSMAP 742xs Plus, U.S. LakeVü g3 and U.S. BlueChart g3                | 010-02320-03 | \$1,099.99 |
| GPSMAP 942 Plus, U.S. LakeVü g3 and U.S. BlueChart g3                  | 010-02321-01 | \$1,299.99 |
| GPSMAP 942xs Plus, U.S. LakeVü g3 and U.S. BlueChart g3                | 010-02321-03 | \$1,399.99 |
| GPSMAP 1242 Plus, U.S. LakeVü g3 and U.S. BlueChart g3                 | 010-02322-01 | \$2,699.99 |
| GPSMAP 1242xsv Plus, U.S. LakeVü g3 and U.S. BlueChart g3              | 010-02322-03 | \$2,899.99 |
| GPSMAP 1042xsv, U.S. LakeVü g3 and U.S. BlueChart g3 - with Transducer | 010-01740-21 | \$1,799.99 |
| GPSMAP 1242xsv, U.S. LakeVü g3 and U.S. BlueChart g3 - with Transducer | 010-01741-21 | \$2,499.99 |
| GPSMAP 8610, U.S. LakeVü g3 and U.S. BlueChart g3                      | 010-02091-01 | \$2,499.99 |
| GPSMAP 8612, U.S. LakeVü g3 and U.S. BlueChart g3                      | 010-02092-01 | \$3,499.99 |
| GPSMAP 8616, U.S. LakeVü g3 and U.S. BlueChart g3                      | 010-02093-01 | \$5,499.99 |
| GPSMAP 8610xsv, U.S. LakeVü g3 and U.S. BlueChart g3                   | 010-02091-03 | \$2,699.99 |
| GPSMAP 8612xsv, U.S. LakeVü g3 and U.S. BlueChart g3                   | 010-02092-03 | \$3,999.99 |
| GPSMAP 8616xsv, U.S. LakeVü g3 and U.S. BlueChart g3                   | 010-02093-03 | \$5,999.99 |

| ECHOMAP ULTRA COMBOS                                                                          |              |            |
|-----------------------------------------------------------------------------------------------|--------------|------------|
| ECHOMAP Ultra 106sv U.S. LakeVü g3/BlueChart g3 - without transducer                          | 010-02112-00 | \$1,699.99 |
| ECHOMAP Ultra 106sv, U.S. LakeVü g3/BlueChart g3 and CHIRP Traditional and UHD ClearVü/SideVü | 010-02112-01 | \$1,999.99 |
| ECHOMAP Ultra 126sv U.S. LakeVü g3/BlueChart g3 - without transducer                          | 010-02114-00 | \$2,399.99 |
| ECHOMAP Ultra 126sv, U.S. LakeVü g3/BlueChart g3 and CHIRP Traditional and UHD ClearVü/SideVü | 010-02114-01 | \$2,799.99 |

| ECHOMAP PLUS AND ECHOMAP UHD COMBOS                                                                               |              |            |
|-------------------------------------------------------------------------------------------------------------------|--------------|------------|
| ECHOMAP Plus 43cv, U.S. LakeVü g3 and CHIRP Traditional and CHIRP ClearVü Transducer                              | 010-01885-05 | \$299.99   |
| ECHOMAP Plus 44cv, U.S. BlueChart g3 and CHIRP Traditional and CHIRP ClearVü Transducer                           | 010-01886-05 | \$349.99   |
| ECHOMAP UHD 63cv, U.S. LakeVü g3 and Ultra High-Definition ClearVü and CHIRP Traditional Transducer               | 010-02330-01 | \$499.99   |
| ECHOMAP UHD 64cv, U.S. BlueChart g3 and Ultra High-Definition ClearVü and CHIRP Traditional Transducer            | 010-02331-01 | \$599.99   |
| ECHOMAP UHD 64cv, U.S. BlueChart g3 - Without Transducer                                                          | 010-02331-00 | \$449.99   |
| ECHOMAP UHD 73cv, U.S. LakeVü g3 and Ultra High-Definition ClearVü and CHIRP Traditional Transducer               | 010-02334-01 | \$649.99   |
| ECHOMAP UHD 73sv, U.S. LakeVü g3 and Ultra High-Definition ClearVü and SideVü and CHIRP Traditional Transducer    | 010-02338-01 | \$799.99   |
| ECHOMAP UHD 73sv, U.S. LakeVü g3 - Without Transducer                                                             | 010-02338-00 | \$599.99   |
| ECHOMAP UHD 74cv, U.S. BlueChart g3 and Ultra High-Definition ClearVü and CHIRP Traditional Transducer            | 010-02335-01 | \$749.99   |
| ECHOMAP UHD 74sv, U.S. BlueChart g3 and Ultra High-Definition ClearVü and SideVü and CHIRP Traditional Transducer | 010-02339-01 | \$949.99   |
| ECHOMAP UHD 74sv, U.S. BlueChart g3 - Without Transducer                                                          | 010-02339-00 | \$749.99   |
| ECHOMAP UHD 93sv, U.S. LakeVü g3 and Ultra High-Definition ClearVü and SideVü and CHIRP Traditional Transducer    | 010-02342-01 | \$1,049.99 |
| ECHOMAP UHD 93sv, U.S. LakeVü g3 - Without Transducer                                                             | 010-02342-00 | \$849.99   |
| ECHOMAP UHD 94sv, U.S. BlueChart g3 and Ultra High-Definition ClearVü and SideVü and CHIRP Traditional Transducer | 010-02343-01 | \$1,149.99 |
| ECHOMAP UHD 94sv, U.S. BlueChart g3 - Without Transducer                                                          | 010-02343-00 | \$849.99   |

| STRIKER PLUS                                                                             |              |          |
|------------------------------------------------------------------------------------------|--------------|----------|
| STRIKER 4, U.S. with Dual-beam Transducer                                                | 010-01550-00 | \$119.99 |
| STRIKER Plus 4, U.S. with Dual Beam Transducer                                           | 010-01780-00 | \$139.99 |
| STRIKER Plus 4cv, U.S. with CHIRP Traditional and CHIRP ClearVü Transducer               | 010-01781-00 | \$179.99 |
| STRIKER Plus 5cv, U.S. with CHIRP Traditional and CHIRP ClearVü Transducer               | 010-01782-00 | \$299.99 |
| STRIKER Plus 7cv, U.S. with CHIRP Traditional and CHIRP ClearVü Transducer               | 010-01783-00 | \$399.99 |
| STRIKER Plus 7sv, U.S. with CHIRP Traditional, CHIRP ClearVü and CHIRP SideVü Transducer | 010-01784-00 | \$499.99 |

| WEATHER SOLUTIONS                                       |              |          |
|---------------------------------------------------------|--------------|----------|
| GXM 54 SiriusXM Marine Receiver (requires subscription) | 010-01734-00 | \$799.99 |

| SONAR COMPONENTS                                                         |              |            |
|--------------------------------------------------------------------------|--------------|------------|
| Panoptix LiveScope System - Transom or Trolling Motor Mount              | 010-01864-00 | \$1,499.99 |
| Panoptix LiveScope System - Thru-Hull Mount                              | 010-02233-00 | \$1,999.99 |
| Panoptix LiveScope LVS12 Transducer                                      | 010-02143-00 | \$499.99   |
| GSD 24 Advanced Sonar Module                                             | 010-00957-00 | \$699.99   |
| GSD 25 Premium Sonar Module                                              | 010-01159-00 | \$899.99   |
| GSD 26 CHIRP Professional Sonar Module                                   | 010-00958-00 | \$1,999.99 |
| Ultra High-Definition Scanning Sonar System (GCV20 with Transducer)      | 010-02055-00 | \$599.99   |
| GCV 20 Ultra High-Definition Scanning Sonar Black Box Without Transducer | 010-02055-10 | \$399.99   |

| RADARS                                              |              |            |
|-----------------------------------------------------|--------------|------------|
| GMR 18 HD+ Marine Radar                             | 010-01719-00 | \$1,299.99 |
| GMR 18 xHD Marine Radar                             | 010-00959-00 | \$1,599.99 |
| GMR 24 xHD Marine Radar                             | 010-00960-00 | \$2,399.99 |
| GMR 424 xHD2 Kit, 4' Open Array and 4 kW Pedestal   | K10-00012-08 | \$3,999.99 |
| GMR 426 xHD2 Kit, 6' Open Array and 4 kW Pedestal   | K10-00012-23 | \$4,799.99 |
| GMR 1224 xHD2 Kit, 4' Open Array and 12 kW Pedestal | K10-00012-11 | \$5,799.99 |
| GMR 2524 xHD2 Kit, 4' Open Array and 25 kW Pedestal | K10-00012-15 | \$8,199.99 |
| GMR 1226 xHD2 Kit, 6' Open Array and 12 kW Pedestal | K10-00012-12 | \$6,599.99 |
| GMR 2526 xHD2 Kit, 6' Open Array and 25 kW Pedestal | K10-00012-16 | \$8,999.99 |
| GMR Fantom Dome 18                                  | 010-01706-00 | \$1,999.99 |
| GMR Fantom Dome 24                                  | 010-01707-00 | \$2,799.99 |
| GMR Fantom 54                                       | K10-00012-17 | \$5,999.99 |
| GMR Fantom 56                                       | K10-00012-18 | \$6,499.99 |
| GMR Fantom 124                                      | K10-00012-08 | \$7,999.99 |
| GMR Fantom 126                                      | K10-00012-20 | \$8,499.99 |
| GMR 1224 xHD2                                       | K10-00012-11 | \$5,799.99 |
| GMR 1226 xHD2                                       | K10-00012-12 | \$6,599.99 |
| GMR 2524 xHD2                                       | K10-00012-15 | \$8,199.99 |
| GMR 2526 xHD2                                       | K10-00012-16 | \$8,999.99 |

| AUTOPILOTS                                                                                                            | PART NUMBER  | LIST PRICE |
|-----------------------------------------------------------------------------------------------------------------------|--------------|------------|
| GHC 20 Marine Autopilot Control Display                                                                               | 010-01141-00 | \$649.99   |
| Reactor 40 Autopilot Remote                                                                                           | 010-12833-10 | \$249.99   |
| Compact Reactor 40 - Hydraulic Corepack Starter Kit                                                                   | 010-00705-06 | \$1,099.99 |
| Compact Reactor 40 - Hydraulic Autopilot with GHC 20                                                                  | 010-00705-07 | \$1,599.99 |
| Compact Reactor 40 - Hydraulic Autopilot with GHC 20 and Shadow Drive                                                 | 010-00705-08 | \$1,999.99 |
| Reactor 40 - Hydraulic Corepack                                                                                       | 010-00705-19 | \$2,049.99 |
| Reactor 40 - Hydraulic with SmartPump v2 Corepack                                                                     | 010-00705-79 | \$4,099.99 |
| Reactor 40 - Mechanical / Retrofit / Solenoid Corepack                                                                | 010-00705-49 | \$2,049.99 |
| Reactor 40 - Steer-by-wire Standard Corepack                                                                          | 010-00705-86 | \$2,599.99 |
| Reactor 40 - Steer-by-wire Corepack for Yamaha Helm Master                                                            | 010-00705-87 | \$3,249.99 |
| Reactor 40 - Steer-by-wire Corepack for Viper                                                                         | 010-00705-88 | \$6,796.99 |
| Reactor 40 - Steer-by-wire Corepack for Volvo Penta                                                                   | 010-00705-89 | \$6,399.99 |
| Reactor 40 Kicker Hydraulic Autopilot with GHC 20 Autopilot Display                                                   | 010-00705-94 | \$2,599.99 |
| Reactor 40 Kicker Hydraulic Autopilot without GHC 20 Autopilot Display                                                | 010-00705-95 | \$2,299.99 |
| 1.2-liter Pump Kit, fits Verado, 1-2 Outboards Under 400 hp Total                                                     | 010-11098-00 | \$1,099.99 |
| 2-liter Pump Kit, Hydraulic Steering Under 10 Cubic Inches                                                            | 010-11097-00 | \$1,099.99 |
| 2.1-liter High Performance Pump Kit, for Use with Large Steering Systems, Greater than 400 hp (compact, small design) | 010-11099-10 | \$1,499.99 |
| 1.2-liter Pump Kit                                                                                                    | 010-00705-64 | \$1,099.99 |
| 2-liter Pump Kit                                                                                                      | 010-00705-63 | \$1,099.99 |
| 2.1-liter Pump Kit                                                                                                    | 010-11099-10 | \$1,499.99 |
| Class A Drive Unit (for sailboats with up to 28,500 lb of displacement)                                               | 010-11572-00 | \$2,049.99 |
| Class B Drive Unit (for sailboats with up to 79,000 lb of displacement)                                               | 010-11573-00 | \$3,099.00 |
| Class B Compact Drive Unit (for sailboats with up to 48,400 lb of displacement)                                       | 010-12029-00 | \$1,999.99 |

| COMMUNICATIONS                                         |              |          |
|--------------------------------------------------------|--------------|----------|
| GHS 11, U.S., Black                                    | 010-01759-00 | \$199.99 |
| GHS 20, GWH 20 Black Wireless - Remote Handset and Hub | 010-11189-10 | \$399.99 |
| VHF 110, North America                                 | 010-01653-00 | \$279.99 |
| VHF 115, North America                                 | 010-02096-00 | \$329.99 |
| VHF 210, North America                                 | 010-01751-00 | \$399.99 |
| VHF 210 AIS, North America                             | 010-01654-00 | \$599.99 |
| VHF 215, North America                                 | 010-02097-00 | \$449.99 |
| VHF 215 AIS, North America                             | 010-20298-00 | \$649.99 |
| VHF 315                                                | 010-02047-00 | \$699.99 |
| AIS 800                                                | 010-02087-00 | \$999.99 |

| QUATIX                          |              |          |
|---------------------------------|--------------|----------|
| quatix 5, Marine Watch          | 010-01688-40 | \$549.99 |
| quatix 5 Sapphire, Marine Watch | 010-01688-41 | \$799.99 |
| GNT 10 NMEA Transceiver         | 010-01134-00 | \$149.99 |

| SAILING                                              |              |            |
|------------------------------------------------------|--------------|------------|
| GND 10 Black Box Bridge                              | 010-01226-00 | \$199.99   |
| gWind                                                | 010-01227-00 | \$599.99   |
| gWind Wireless                                       | 010-01248-00 | \$699.99   |
| gWind Race                                           | 010-01228-00 | \$1,299.99 |
| GMI 20, gWind, GND 10, DST800 Bundle                 | 010-01248-10 | \$1,399.99 |
| GMI 20, GNX 20 Bundle, Wired gWind, DST800, GND10    | 010-01248-30 | \$1,499.99 |
| GMI 20, gWind Wireless, GND 10, DST800 Bundle        | 010-01248-20 | \$1,499.99 |
| GMI 20, GNX 20 Bundle, gWind Wireless, DST800, GND10 | 010-01248-40 | \$1,699.99 |
| GNX 20, gWind, GND 10, DST800 Bundle                 | 020-00258-02 | \$1,099.99 |
| GNX Wind, GNX 20, gWind Wired, GND 10, DST800 Bundle | 010-01248-50 | \$1,599.99 |

| INSTRUMENTS                                   |              |            |
|-----------------------------------------------|--------------|------------|
| GMI 20, Marine Instrument Display             | 010-01140-00 | \$549.99   |
| GNX 20 Marine Instrument with Standard 4" LCD | 010-01142-00 | \$449.99   |
| GNX 21 Marine Instrument with Inverted 4" LCD | 010-01142-10 | \$449.99   |
| GNX 120 Marine Instrument with 7" LCD         | 010-01395-00 | \$899.99   |
| GNX 130 Marine Instrument with 10" LCD        | 010-01396-00 | \$1,499.99 |
| GNX Wind                                      | 010-01142-30 | \$499.99   |
| GNX Keypad                                    | 010-12255-00 | \$179.99   |

| OTHER                                                   |              |          |
|---------------------------------------------------------|--------------|----------|
| NMEA 2000 Starter Kit                                   | 010-11442-00 | \$99.00  |
| Marine Wi-Fi® Adapter Kit with DC and AC Power Adapters | 010-11981-20 | \$249.99 |
| GFS 10 Fuel Sensor                                      | 010-00671-00 | \$199.99 |
| GC 12 Marine Camera                                     | 010-02122-00 | \$399.99 |
| GC 100 Marine Camera                                    | 010-01865-30 | \$299.99 |
| GC 200 Marine IP Camera                                 | 010-02164-00 | \$499.99 |
| GMS 10 Network Port Expander (Network Device)           | 010-00351-00 | \$249.99 |
| GPS 19x HVS                                             | 010-01010-00 | \$199.99 |
| GPS 19x NMEA 2000®                                      | 010-01010-10 | \$249.99 |
| Glo (BLUETOOTH® GPS)                                    | 010-01055-15 | \$99.00  |
| SteadyCast Heading Sensor                               | 010-11417-10 | \$149.99 |
| 9-axis Heading Sensor                                   | 010-11417-20 | \$649.99 |
| InReach Mini                                            | 010-01879-00 | \$349.99 |
| InReach Mini Marine Bundle                              | 010-01879-02 | \$379.99 |





SUPPORT

## TIME TO USE YOUR GARMIN MARINE ELECTRONICS

To make using and understanding your Garmin electronics as easy as possible, we offer several online resources where you can watch informative videos that show our newest products in action. You can find videos that clearly explain and demonstrate everything from installation and setup to step-by-step "how-to-use" guidance that will help you get the most enjoyment and best performance from your Garmin electronics.



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## MORE SERVICE

Of course if you don't find the answers or help you need from our video resources, we also provide a quick link to an extensive list of frequently asked questions on a variety of topics that have been brought up by other Garmin owners.

[support.garmin.com](https://support.garmin.com)

## QUESTIONS?

If you still haven't received the answer or explanation you need, you can always contact one of our knowledgeable representatives by email or phone.



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