GARMIN®

2024 | MARINE CATALOG

CONTENTS

SEA TOW FOUNDATION
NATIONAL
BOATING
SAFETY
AWARD
2023 WINNER

NMEA
2023
Manufacturer
of the Year

Trade Only
MOST
INNOVATIVE
MARINE
COMPANY
AWARD
WINNER
2023

SONAR TECHNOLOGY

LIVESCOPE™ PLUS

The best of the best just got better with the LiveScope Plus System. Offering improved resolution, reduced noise, clearer images and better target separation, it features built-in stabilization to keep the sonar image steady on your compatible chartplotter, even in rough conditions. Now it's easier than ever to see structure, bait and fish swimming around your boat in real time.

Part no: 010-02706-00 LVS34

THREE MODES IN ONE TRANSDUCER
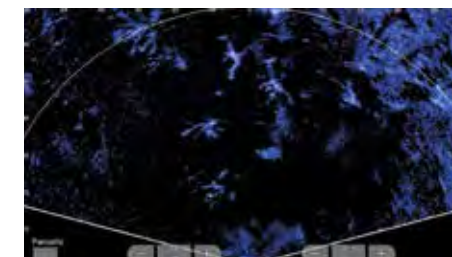
LIVESCOPE™ PLUS DOWN MODE
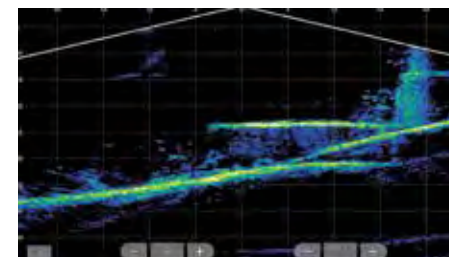
View live, easy-to-interpret scanning sonar images of structure and swimming fish in incredible detail below your boat.

LIVESCOPE™ PLUS FORWARD MODE

Scout ahead of your boat to see what's happening in real time by scanning sonar images of structure and fish up to 200' away.

LIVESCOPE™ PLUS PERSPECTIVE MODE

An ideal sonar mode for shallow water, this mode lets you see under the water with a view from your perspective above the water.

LIVESCOPE™ PLUS SCANNING SONAR SYSTEM
Part no: 010-03228-00 includes Perspective Mode Mount

Includes a compact GLS™ 10 sonar black box with LVS34 transducer and a simple plug-and-play Garmin Marine Network connector to install easily and integrate seamlessly with your compatible Garmin chartplotter[1]. With support for Forward, Down and Perspective mode views, now it's easier than ever to see the structure, bait and fish around your boat in real time. Available with Perspective Mode Mount, trolling motor barrel mount and shaft mount options.

LIVESCOPE™ PLUS LVS34 TRANSDUCER
Part no: 010-02706-10

Easily upgrade your current LiveScope system black box (GLS 10 sonar module) with a new LVS34 transducer. Don't miss a thing with supported forward, down and perspective mode views and necessary mount.

[1] Compatible with GPSMAP® 8400/GPSMAP® 8600 chartplotter series, GPSMAP® x2 Plus, GPSMAP® x3, ECHOMAP™ Ultra combo, ECHOMAP™ UHD 7" and ECHOMAP™ UHD 9"

LIVESCOPE™ XR SYSTEM

You didn't think it could get better, but it did with the extended range of the LiveScope™ XR System. It's the latest in LiveScope technology, now for coastal and open-water fishing. The XR transducer offers live scanning sonar up to 350' in saltwater and up to 500' in freshwater in three modes. Adjust the transducer to fit where you fish; use LiveScope™ Forward mode to see around your boat, LiveScope™ Down mode to see directly below your boat and Perspective mode for an overhead sonar view that's perfect for scouting open water or shorelines.
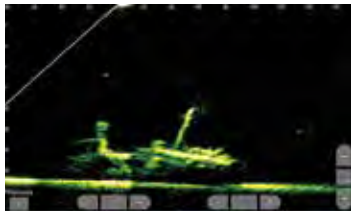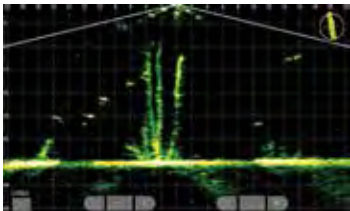
LOOK DEEPER
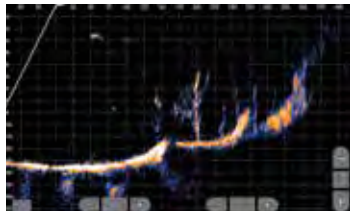
Explore the deep with extended-range, live-scanning sonar depths up to 500' in Freshwater and 350' in Saltwater.
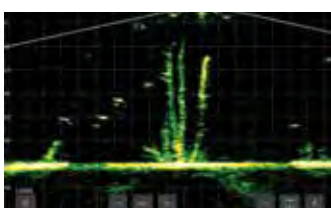
TAKE A CLOSE VIEW

Find fish circling close to your boat. Compress range gives you clear views of waters around your hull.

IMAGE STABILIZATION

A built-in stabilization system keeps the sonar image steady on your compatible chartplotter, even in rough conditions.

VIVID COLOR PALETTES

Choose from seven vivid color options to see fish and structure with maximum contrast and clarity.

LIVESCOPE™ XR LVS62 TRANSDUCER

010-02719-10

Want to optimize your existing LiveScope sonar's GLS™ 10 black box for coastal and open-water fishing? Just add the LVS62 transducer to your setup. Get all the detail and clarity your system is built to deliver.

LIVESCOPE™ XR SONAR SYSTEM

010-02719-00

Includes a compact GLS™ 10 sonar black box with LVS62 transducer and offers easy installation with a plug-and-play Garmin Marine Network connector for seamless integration with your compatible Garmin chartplotter[1]. Now it's easier than ever to see the structure, bait and fish around your boat — in real time — with support for forward, down and perspective mode views.

LIVESCOPE™ DOWN
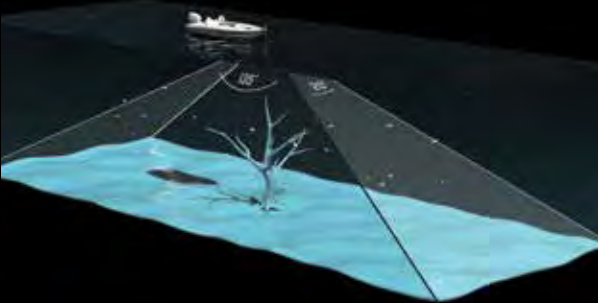
LIVESCOPE™ FORWARD
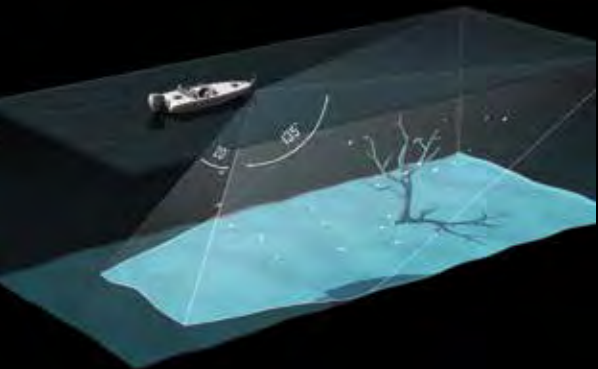
LIVESCOPE™ PERSPECTIVE MODE

[1]Compatible with GPSMAP® 8400/GPSMAP® 8600 chartplotter series, GPSMAP® x2 Plus, GPSMAP® x3, ECHOMAP™ Ultra combo, ECHOMAP™ UHD 7" and ECHOMAP™ UHD 9"

Panoptix sonar is opening up a new world for serious anglers. 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.

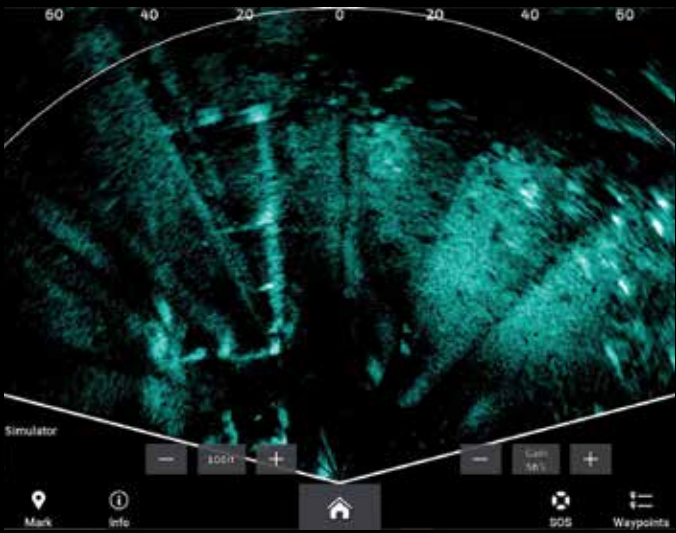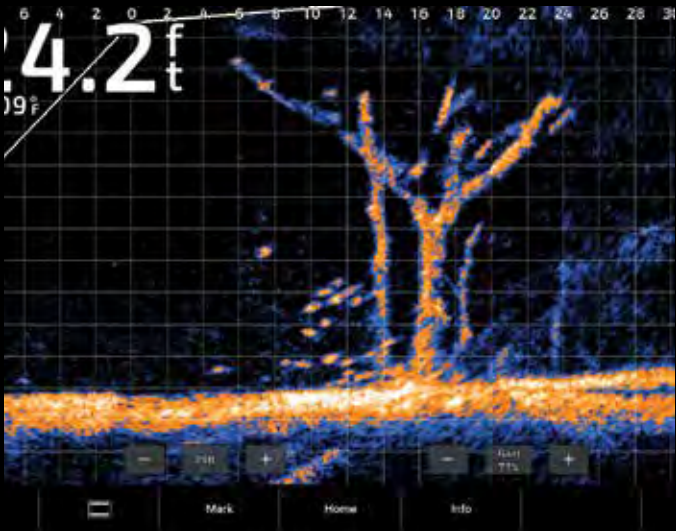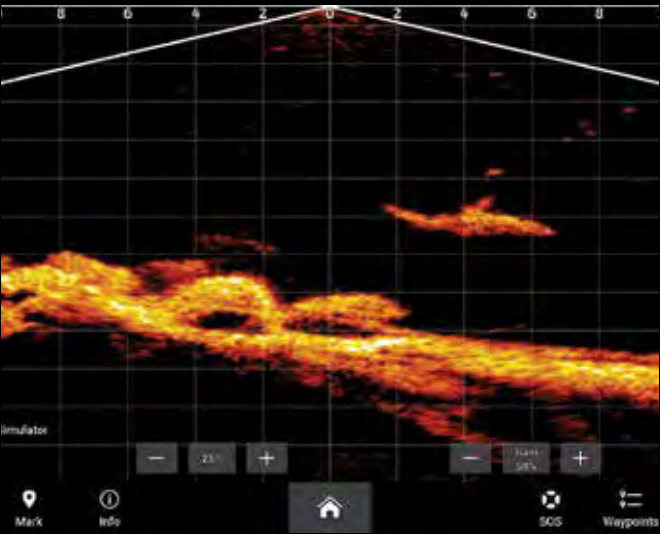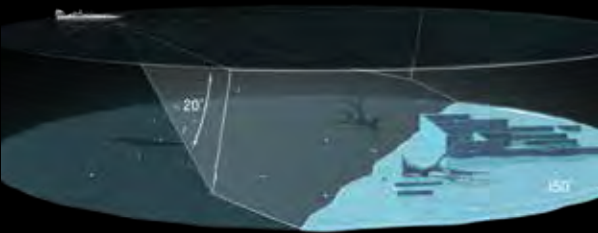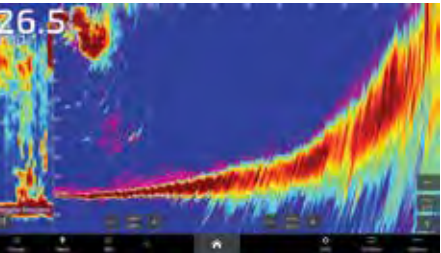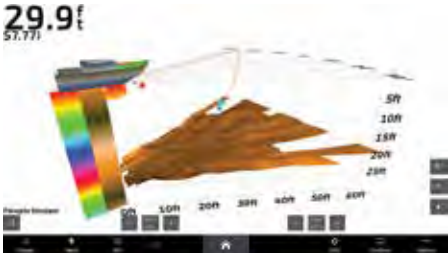## PANOPTIX FORWARD

Includes three forward views: LiveVü™ Forward, RealVü™ 3D Forward and FrontVü™.
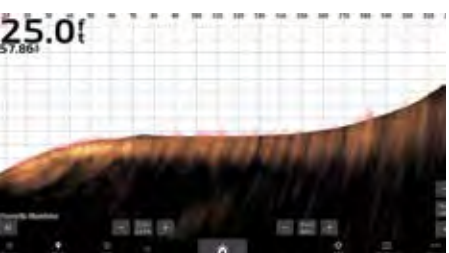
LIVEVÜ FORWARD

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 3D view of the bottom, structure and fish[1].
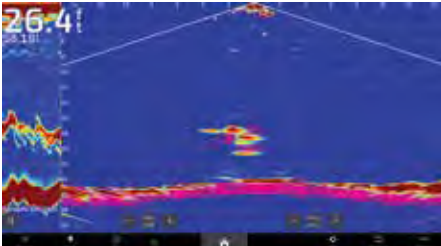
FRONTVÜ

To help give you time to avoid collisions[2] with submerged obstacles, FrontVü shows underwater obstructions within a 300' range as you approach them in real time.
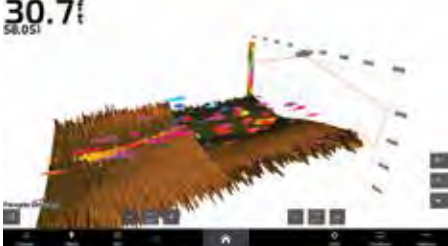
PANOPTIX DOWN

Includes three downward views: LiveVü Down, RealVü 3D Historical and RealVü 3D 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 3D 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.
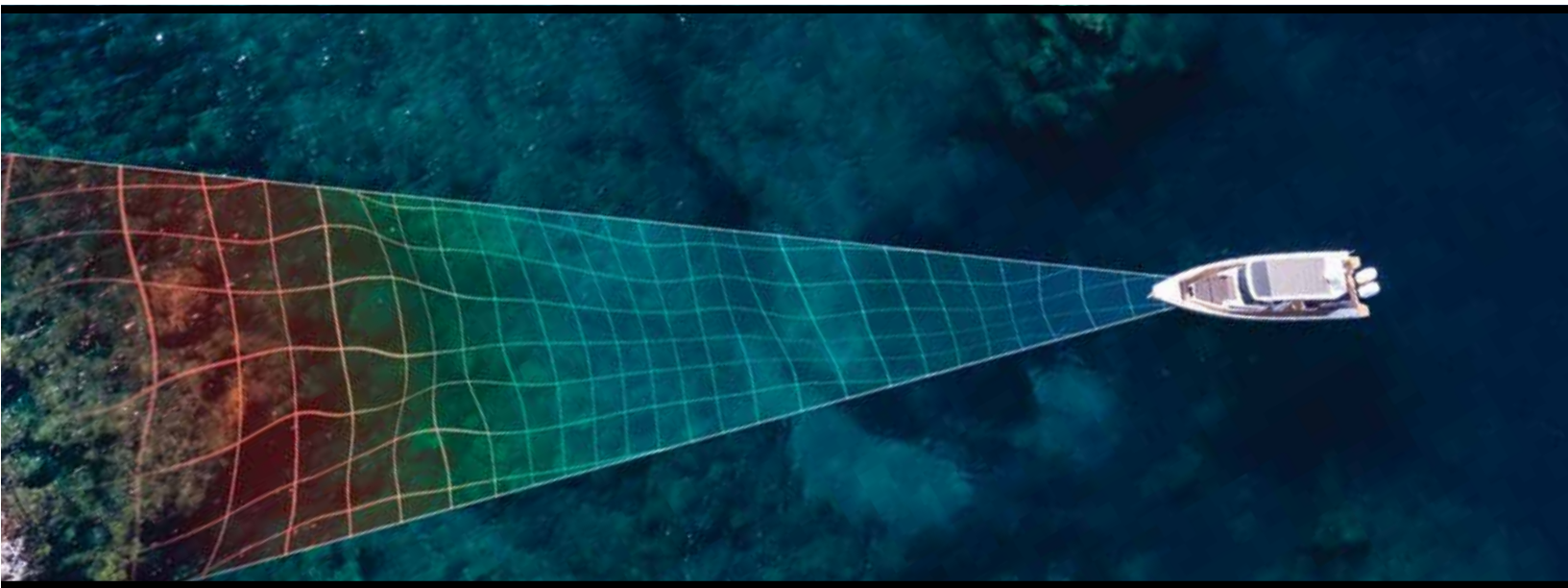
REALVÜ 3D DOWN

Scans below the boat – front to back and side to side – to construct a full 3D 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 aground[1] 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	PS22-TR	PS30	PS31	PS51-TH	PS60	PS70	PS70
	010-01588-01	010-01945-00	010-01284-00	010-01284-01	010-01753-00	010-01406-00	010-02768-00	010-02768-10
RealVü™ 3D Down			•			•		
RealVü™ 3D Historical			•			•	•	•
LiveVü™ Down		•	•			•	•	•
RealVü™ 3D Forward				•				
LiveVü™ Forward	•	•		•	•			
FrontVü™ Forward	•	•		•	•			
Independent Power Connection	•	•	•	•	•	•	•	•
Transom Mount Included	•[1]		•	•[2]				
Trolling Motor Mount Included		•		•				
Thru-hull Mount and Fairing Block					•	•	•	

[1]The 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. • [2]The ability to effectively avoid running aground with FrontVü sonar decreases as speed rises above 8 knots

[1]The ability to effectively avoid running aground with FrontVü sonar decreases as speed rises above 8 knots • [2]The 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.

PANOPTIX™ PS70
THRU-HULL TRANSDUCER

See fish live. Catch fish deep. The Panoptix™ PS70 thru-hull transducer is powered by Garmin RapidReturn™ sonar, which gives you live sonar views up to 1,000' below the surface with 1-kW power output for strong sonar penetration through the water. As the fastest live sonar at 1,000', images update at a rate that's 6-8 times faster than other competitive systems. Locate bait and fish quickly with a wide 120-degree by 8-degree sonar beam that covers huge areas of water.

Part no: 010-02768-00 PS70-TH with fairing block; 010-02768-10 PS70-TH transducer only
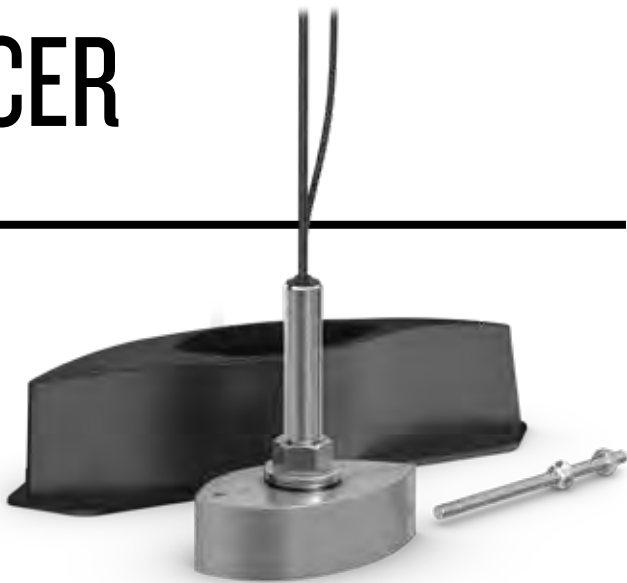
FOUR EASY-TO-UNDERSTAND SONAR MODES

Select the view that works best for your circumstance.

LIVEVÜ™ DOWN
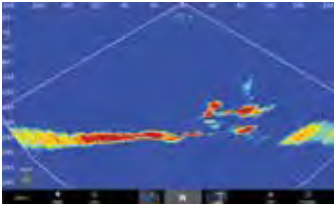
See real-time live sonar images up to 1,000'. With RapidReturn, anglers can see small baitfish and target game fish in real time.

TRADITIONAL SONAR
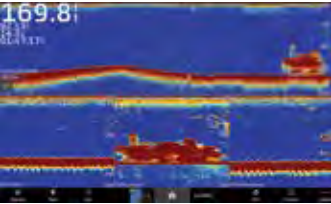
View crisp, clear fish arches with excellent separation of targets under the boat.

TRIPLE BEAM SONAR
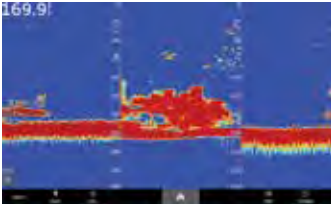
Get a three-way traditional sonar split that gives sonar returns from the port and starboard directions, as well as targets directly under the boat, in an easy-to-understand traditional sonar view. Adjust the beam angles to fine-tune your 3 columns of sonar data.

REALVÜ™ 3D
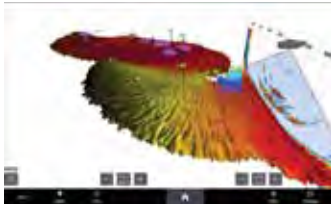
Historical scanning technology helps find fish and build a map of the ocean floor while your boat is moving. It shows the entire water column you have passed over in 3D, from the bottom to the surface and all fish in between.

QUICKDRAW CONTOURS

Survey the ocean floor in great detail. New QuickDraw Contours improvements allow you to survey wide areas at depths up to 1,000' — and instantly create personalized fishing maps on-screen with 1' contours as you fish.

ULTRA HIGH-DEFINITION SCANNING SONAR

SEE EVERYTHING

Clarity and detail are redefined with the Ultra High-Definition scanning sonar system. It delivers greater resolution by putting more power on targets with a higher frequency range than conventional marine sonar technologies.

UHD CLEARVÜ

ClearVü™ 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.

UHD SIDEVÜ

SideVü™ 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.

VIVID COLOR PALETTE

See fish and structure in colorful detail with vivid color palettes on your scanning sonar.

TRADITIONAL CHIRP SONAR

TRADITIONAL CHIRP SONAR

Garmin traditional CHIRP 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.
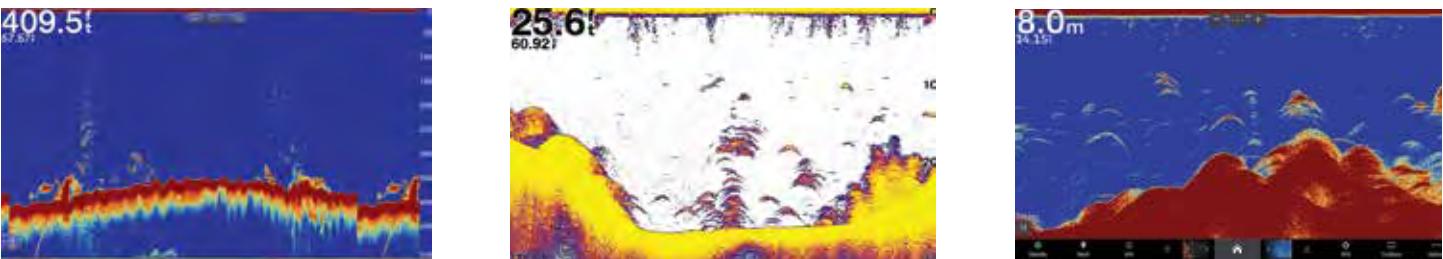
CHARTS AND MAPS

THE BEST OF GARMIN WITH THE BEST OF NAVIONICS®

Whether you're adventuring on the high seas, cruising an intercoastal waterway, fishing on your new favorite freshwater lake or piloting a commercial workboat, your chartplotter deserves our best, most up-to-date marine charts and navigation data available. That's the advantage you get with the detail-rich Garmin and Navionics content in our full line of marine mapping solutions. With selectable chart layers, overlays and more, our products help mariners all over the world guide their boats in and out of port with confidence. Map coverage areas are aligned across standard and premium cartography for Garmin and Navionics branded products — with combined coastal and lake content that make it simple to access the map areas you want. See all the best places that water can take you. And plot your course with the world's No. 1 choice in marine mapping[1].

[1]Based on 2022 reported sales
See current Garmin/Navionics cartography catalog for coverage areas and pricing.

GARMIN NAVIONICS+™ CHARTS

Worldwide coverage available

GARMIN NAVIONICS VISION+™ CHARTS

Worldwide coverage available

INTEGRATED CHARTS AND MAPS FOR GARMIN CHARTPLOTTERS

Navigate with greater peace of mind and increased awareness on the water. Garmin Navionics+ marine charts — with integrated Garmin and Navionics content — brings a vibrant color palette and popular Navionics-style chart formatting to your chartplotter[1]. For offshore or inland waters, this all-in-one solution offers detail-rich mapping of coastal features, lakes, rivers and more — with shaded depth contours and access to daily updates via the ActiveCaptain® app. Advanced Auto Guidance+ technology[2] offers a suggested dock-to-dock path to your destination. And multiple shading options aid in shallow water navigation and make it easy to select depth ranges for the best fishing spots. Downloadable NOAA raster imagery[3] is also available for those who want the familiar look of paper charts. And with select GPSMAP® or ECHOMAP™ series chartplotters, Garmin Navionics+ mapping is available built-in.

PREMIUM CHARTS AND MAPS FOR GARMIN CHARTPLOTTERS

Our premium mapping solution for Garmin devices adds even more graphical content and visual dimension to the standard Garmin Navionics+™ feature set. Covering offshore and inland waters, this all-in-one mapping package lets you navigate seamlessly with such additional on-screen aids as high-resolution relief shading, 3D perspective views, and overhead visual reference from aerial photography and satellite imagery. Enhancing your situational awareness, these extra features help you navigate unfamiliar waters, marinas, shorelines, ports and more with confidence.

ADVANCED CHART DETAIL

Integrated Garmin and Navionics content, with an updated color palette and Navionics style appearance, offers exceptional coverage, clarity and detail on your chartplotter.

DETAILED CONTOURS

Up to 1' contours provide a more accurate depiction of bottom structure so you can catch more fish and navigate with confidence.

AUTO GUIDANCE+

For smoother, more detailed routes, built-in Auto Guidance+ technology[2] uses your desired depth and overhead clearance, along with chart data and frequently traveled routes, to quickly calculate a suggested path to follow from dock to dock.

DEPTH RANGE SHADING
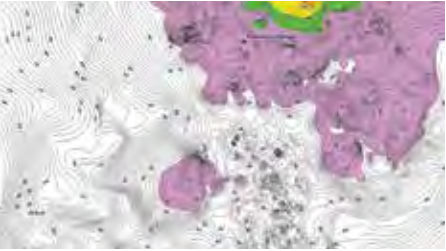
Select high-resolution depth range shading for up to 10 depth ranges to view your target depth at a glance.

SHALLOW WATER SHADING
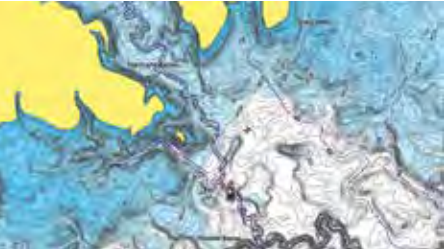
Shallow water shading for a user-defined depth gives a clearer picture of shallow waters to avoid when navigating.

RASTER CARTOGRAPHY

Download NOAA raster charts[3] via the ActiveCaptain® app to your compatible smartphone, then sync to your chartplotter.

HIGH-RESOLUTION RELIEF SHADING

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

HIGH-RESOLUTION SATELLITE IMAGERY

Use the ActiveCaptain® app to download high-resolution satellite imagery overlaid with navigational charts. Get a realistic view of your surroundings — ideal for entering unfamiliar harbors or ports.

AERIAL PHOTOGRAPHY

Aerial and surface photography of ports, bridges, docks, navigational landmarks and more provides a better sense of your surroundings above the waterline.

SIDE SCAN IMAGES

Check out submerged features such as fallen timber, fish attractors, wrecks, potential hazards and more.

SONAR IMAGERY
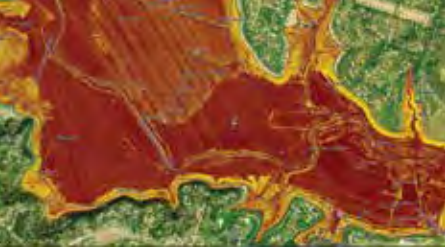
The sonar imagery feature, available via the ActiveCaptain® app, reveals bottom hardness clearly and in contrasting color, highlighting both subtle and dramatic transition areas on select lakes.

3D VIEWS
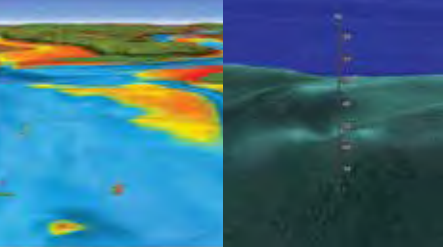
MarinerEye and FishEye views provide 3D representations of the surrounding area above and below the waterline.

DYNAMIC LAKE LEVEL
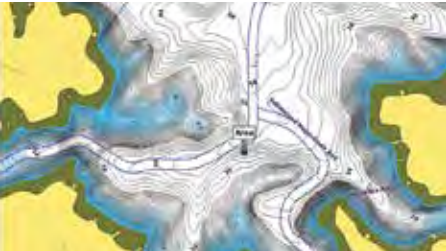
For inland lake navigation, you can adjust the map to the current water levels to see which areas are accessible or too shallow to explore.

NAVIONICS®+ CHARTS

A Garmin Brand
Worldwide coverage available

PLATINUM+ CHARTS

A Garmin Brand

INTEGRATED CHARTS AND MAPS FOR A WIDE RANGE OF CHARTPLOTTERS

It's all about knowing your way on the water — with marine charts and maps you can trust. That's why the boaters who trust and rely on the Navionics brand have made it the world's No. 1 marine mapping provider[1]. Seamlessly combining offshore and inland content, this all-in-one solution offers clear, reliable charts and maps for a wide range of chartplotter brands. Navionics+ and Platinum+ mapping products are available on microSD™ cards for easy installation on your compatible marine device. The same detailed marine and lake charts are also available with the Navionics Boating app on your Apple® or Android™ mobile device. Simply download the app and purchase your charts of choice right from your phone. Plus, the app's Plotter Sync feature also enables you to transfer routes and markers, as well as upload sonar logs, update charts and more between your plotter card and the Navionics Boating app.

SAVE WITH MARINE CHART SUBSCRIPTIONS

An included one-year subscription with your chart purchase provides access to daily updates, advanced features and so much more. At the end of your yearly subscription period, you can renew for additional one-year periods — at a price that's typically 50% less than the cost of a new GPS card[2]. Activate your subscription with the Navionics chart installer software or by using the Plotter Sync feature of the Navionics Boating app to activate and update charts wirelessly[3].

NAVIONICS+

For offshore or inland waters, this all-in-one solution offers detail-rich integrated mapping, up to 1' HD contours, advanced features[4] such as dock-to-dock route guidance technology[5] and access to daily updates via the Navionics Chart Installer software.

NAUTICAL CHART

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

SONARCHART™ HD BATHYMETRY
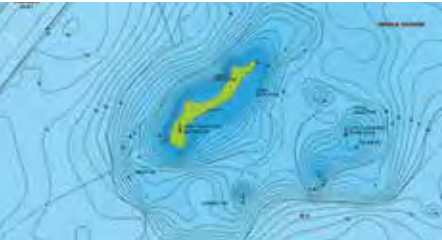
For improved fishing and navigation, SonarChart™ HD bathymetry maps display up to 1' contours for a more detailed depiction of bottom structure.

COMMUNITY EDITS

Download the Community Edits content layer to any Navionics card and view this valuable local information, contributed by Navionics Boating app users, on your compatible chartplotter.

DOCK-TO-DOCK ROUTE GUIDANCE

Navionics advanced route guidance technology[4] uses your boat settings, along with chart data and frequently traveled routes, to calculate a suggested path to follow from dock to dock.

SONARCHART LIVE MAPPING FEATURE

Create your own maps on the fly.
Watch new up to 1' HD bathymetry maps develop in real time as your boat moves along the water.

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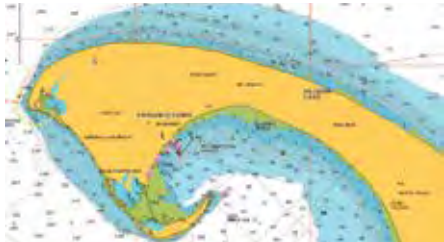
Change the way you view Navionics charts and focus on the details that matter most to you. Highlight shallow areas, adjust contour density or select a fishing range.

PLATINUM+ OVERLAYS AND FEATURES

Designed with the most demanding boaters and serious anglers in mind, all the marine content of Navionics+ is enhanced with additional viewing options that take your boating experience to the next level.

PLATINUM+
INTEGRATED COASTAL AND INLAND LAKES COVERAGE

A comprehensive, all-in-one map solution, Platinum+ charts combines premium marine content on oceans, major rivers and seas with freshwater inland mapping for more than 44,000 lakes worldwide.

HIGH-RESOLUTION RELIEF SHADING
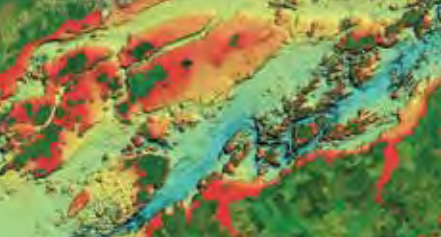
Download relief shading using the Navionics Chart Installer software and bring bottom detail to life, from shallow flats to deep offshore canyons. See it all in a vivid, colorful representation that helps boaters gain a better understanding of bottom topography.

HIGH-RESOLUTION SATELLITE IMAGERY

Download high-resolution satellite imagery to get a realistic view of your surroundings — ideal for entering unfamiliar harbors or ports.

SONAR IMAGERY
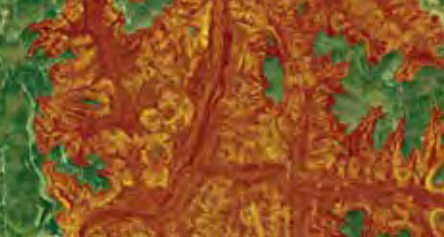
To help find the best fishing spots, download sonar imagery using the Navionics Chart Installer software. These maps are generated from proprietary multibeam surveys and reveal bottom hardness and structural characteristics in contrasting color detail.

AERIAL PHOTOGRAPHY

Aerial and surface photography of ports, marinas, bridges, docks, boat ramps, dams and navigational landmarks offers superior situational awareness.

3D VIEW
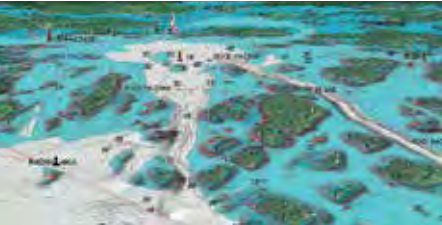
Unique 3D views provide additional perspective, both above and below the water.

NAVIONICS® BOATING APP

NAVIONICS
A Garmin Brand

For cruising, fishing, sailing, diving and all your other activities on the water, the Navionics Boating app brings detailed offshore marine and inland lake charts to your compatible mobile device so they're on hand wherever you go. As a companion to the chartplotter or on its own, the app delivers detailed chart content, relief shading overlays and useful functionality in a convenient and easy-to-use format.

In addition to all the great chart content, your one-year renewable subscription lets you access daily updates and powerful advanced features before, during and after your trip.

SPECIAL NAVIONICS BOATING APP FEATURES

Relief shading overlay uses color and shadow to provide boat owners with a better understanding of bottom topography for improved fishing and diving

Auto Guidance+™ technology helps you start your trip with a suggested route from point A to B, based on chart data and navigation aids[1]

The Plotter Sync feature[2] allows compatible chartplotter owners to transfer routes and markers, update chart layers and more — to and from the Boating app

The Connections feature keeps you in touch with your friends and fellow boaters. Share your live location and tracks, routes and markers

Local edits from Boating app users and the ActiveCaptain® Community are integrated within the app

SonarChart™ Live mapping feature lets you create your own 1' contour HD bathymetry maps in real time while navigating

Access real-time weather data, daily and hourly forecasts, as well as wind, weather buoys, tides and currents overlaid on your map

The Boating app is available as a separate purchase for Apple® and Android™ devices and offers a free trial before subscribing

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® Audio-enabled 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 AUDIO
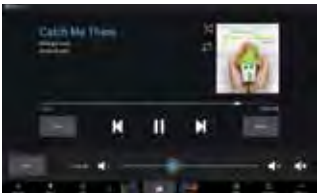
SONAR
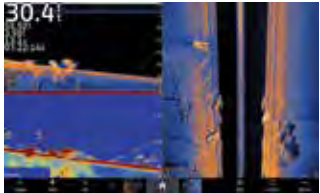
AUTOPILOT

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.

ONDECK™ SYSTEM

Keep tabs on systems such as battery, shore power, bilge or saltwater pumps and receive alerts if a security sensor is triggered or if your boat is moved from its GPS geofenced area. Get 24/7 peace of mind with OnDeck technology onboard[1].

GARMIN EMPIRBUS™ DIGITAL INTEGRATIONS

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 (sold separately) allow cruisers, sailors and anglers to control virtually any device on their vessel easily – from propulsion to pumps, air conditioning to infotainment. This connectivity enhances situational awareness and helps make time on the water even more enjoyable.
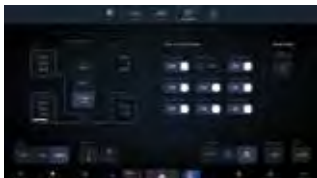
[1]An active subscription plan is required. Both the OnDeck Hub and user's device must have connectivity to a 3G/4G network.

GARMIN.COM   23

ACTIVECAPTAIN® APP

Give yourself the advantages of the ultimate connected boating experience. Download the free all-in-one ActiveCaptain app. Featuring a new user interface that gives it a fresh look and feel, the app provides you with a powerful connection to your Garmin chartplotter, charts, maps and the community. Wherever you are, you can have convenient access to your marine mapping, activate chart subscriptions, purchase and update maps and charts, plan your trips and access the Garmin Quickdraw™ Contours Community.

SPECIAL ACTIVECAPTAIN FEATURES

Use the built-in OneChart™ feature on the ActiveCaptain app to access and wirelessly update your compatible charts from your compatible smartphone directly to your chartplotter

The ActiveCaptain app allows you to download premium content, such as high-resolution relief shading and satellite imagery, for your Garmin Navionics Vision+™ charts.

Receive smart notifications, such as calls and texts, on your chartplotter display when paired with the app

Download software updates and notifications directly from the app 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[1]

Easily upload and download the latest Garmin Quickdraw Contours content from the community — with zero button presses[1]

View and control your chartplotter from your compatible smartphone or tablet

Use with the OnDeck™ remote connectivity system (sold separately) to track, monitor and control connected switches on your boat from virtually anywhere

[1]Zero button presses applies to GPSMAP® chartplotters

REMOTE CONNECTIVITY SOLUTIONS

ONDECK™ SYSTEM

When paired with the ActiveCaptain® app on your compatible smartphone, the OnDeck remote connectivity solution lets you track, monitor and control multiple switches on your boat from virtually anywhere. Keep tabs on systems such as battery, shore power, bilge or saltwater pumps, and receive alerts if a security sensor is triggered or if your boat is moved from its GPS geo-fenced area. Get 24/7 peace of mind with OnDeck technology onboard[1].

TRACK

Be the first to know if a security sensor has been triggered, or if your boat has been moved. The internal GPS sensor updates every 15 or 30 minutes, depending on power status, and will send text alerts[1] if your boat leaves the geofenced area.

MONITOR

Get updates[1] on your boat's battery status, bilge activity, shore power, temperature changes and more. Set up alarm notifications in the ActiveCaptain app.

CONTROL

Control any number of NMEA 2000® latching or momentary switches, including battery chargers, ice makers and more.

ACTIVECAPTAIN APP

Download the ActiveCaptain app to your compatible smartphone or tablet to manage your vessel. It's where you can set up alarm notifications, take control of your boat and so much more[1].

STORE DATA
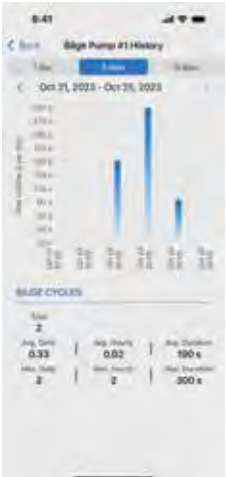
Securely collect vessel data with the OnDeck Hub and store it in the cloud for up to 30 days.

ONDECK HUB

The OnDeck Hub uses 3G/4G coverage.
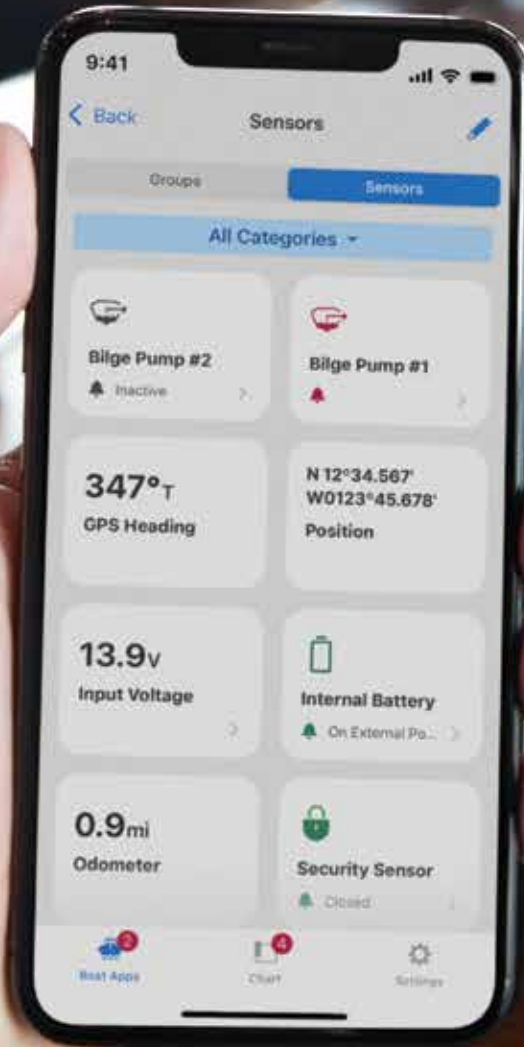
[1]An active subscription plan is required. Both the OnDeck Hub and user's device must have connectivity to 3G/4G network.

DIGITAL CONTROLS AND MONITORING

GARMIN BOAT SWITCH™

Get the integrated boat experience with digital switching that allows you to operate onboard electrical functions right from your compatible GPSMAP® or ECHOMAP™ chartplotter. Control your nav lights, dimmable cabin lights, bilge and livewell pumps, and even your horn. The system installs without special tools and allows you to add and name switches on your chartplotter display easily.

ALL-IN-ONE

Replace existing two-element systems — fuse box and switches — for easier control and operation of onboard functions.

DIGITAL CONTROL
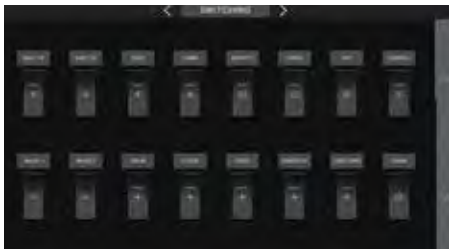
Get control and protection of up to 20 circuits via your chartplotter rather than a physical button or switch.

ON-OFF SWITCHES

The toggle outputs operate bilge pump and nondimmable lights, such as nav lights and courtesy lights.

DIMMABLE OUTPUTS

Press-and-hold dimmers let you set your preferred brightness on board.

MOMENTARY OUTPUTS

Control horns and more. Simply press and release for desired length of horn beep.

MONITOR TANKS

Access built-in tank sender detection and calibration for as many as four tanks, such as fuel, freshwater, graywater, blackwater and livewell.

LIVEWELL TIMER
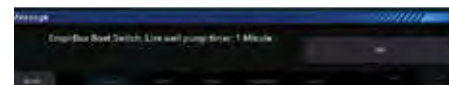
A built-in timer turns the pump to cycle the water to keep fish alive — and keep pumps functioning longer.

The EmpirBus product lines bring 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 system comprises one or more compact digital distribution control modules (DCMs) and master control units (MCUs). 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 (sold separately) 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 provides full control of your vessel, from the engine to advanced lighting, dimming and ambience to wiper systems. It has a small footprint and is easy to install and service.

The main DC Power is connected by two stainless steel M6 studs. In addition there is also a connector for an EnOcean antenna. All output channels are electronically protected and feature undercurrent protection as well as soft stop/start and are capable of being electronically dimmed and of driving complex loads such as LED lighting or windscreen wipers directly.

To increase output capacity, outputs may be paralleled and to simplify installations, both high side and low side switching is possible.

With multiple input capabilities and ranges, the DCM is an extremely versatile and cost-effective means to interface signals to the system and when combined with the powerful NXT software complex, monitoring and control systems are easily realized in practice.

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.

The outputs have been fitted with high-accuracy current feedback that enables real-time readout of the current consumption per channel. A new design of the NMEA connection provides galvanically isolated connection, without the need for a powered NMEA bus. The power consumption from the NMEA bus is ZERO for the Connect 50!

The Connect 50 comes as standard with 11 input channels and 20 output channels. As an option, it can be equipped with ports for additional galvanic isolated CAN and serial interface. In addition there is also an option to fit the Connect 50 with WiFi® for wireless control and connectivity.

Reverse polarity on two channels to control of tables, windows, hatches etc., is supplied as standard, and it can control and synchronize window wipers.

DIGITAL CONTROLS AND MONITORING

SYSTEM CONFIGURATION

EMPIRBUS NXT MASTER CONTROL UNIT (MCU)

The EmpirBus MCU v2 is an essential component of a larger installation providing multiple functions. It is the central processor that drives the system and it provides the computing power, intelligence and decision making. In addition there are various interfaces for connection to external devices. The new MCU v2 boosts 2 auxiliary CAN-ports and 2 RS485 ports that are all galvanically isolated and opens up for more third-party integrations in parallel. The MCU v2 also provides extended memory and improved processing capabilities for supporting even larger and more complex installations.

TD 50 TOUCHSCREEN DISPLAY

The TD 50 touchscreen display with 5" edge-to-edge glass offers supplementary control, switching and instrumentation for onboard marine systems. The unit is NMEA 2000® and Garmin Marine Network compatible and supports EmpirBus™ and OneHelm™ installations — allowing you to view and control engine and vessel data and adjust settings for lights, air conditioning, refrigeration, entertainment systems, security sensors, autopilots or any other information on the network. The unit's sleek design and minimal footprint offers easy mounting and convenient access from virtually any location on the boat.

Control all electronic and electrical systems from a compatible Garmin display, replacing standard mechanical circuit breakers and switches with a state-of-the-art digital power distribution. Simple, easy to use, cost-effective and with seamless, reliable operation, EmpirBus digital switching makes a perfect solution to centralize all controls. Enjoy full control of your boat along with marine specific monitoring solutions like battery levels, lighting, trim controls, temperature, tank monitoring and more. The EmpirBus interface can be easily customized for each boat model, resulting in intuitive operation.

EMPIRBUS WEB DISPLAY UNIT (WDU V2)

The EmpirBus Web Display (WDU v2) unit is a webserver unit to distribute customized graphics to any HTML5-supporting device. The WDU v2 allows any EmpirBus system to be controlled and monitored by a user interface fully optimized for its purpose.

The WDU v2 is an EmpirBus system add-on to enable control from HTML5-supporting devices and software. NMEA2000 connected to EmpirBus system and Ethernet (RJ45 sealed) for HTML5 distribution. HTML5 pages and apps can be graphically configured without limitations and work seamlessly with the EmpirBus software.
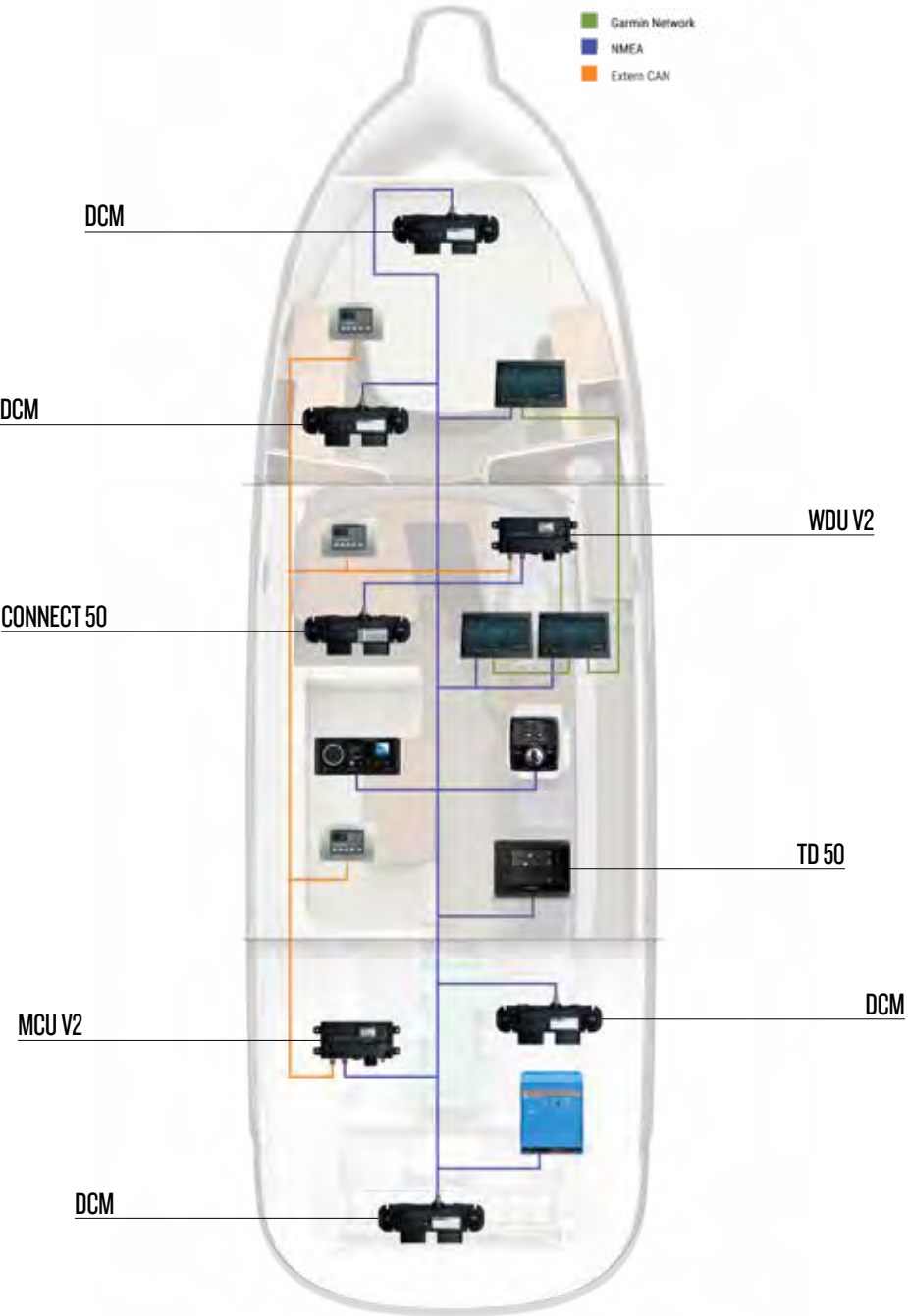
MARINE
ENTERTAINMENT

FUSION® MARINE ENTERTAINMENT

THE SUM OF AUDIO INNOVATION

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 True-Marine products are designed and engineered by Fusion specifically for the marine environment. True-Marine products are subjected to rigorous environmental testing under harsh marine conditions to surpass industry guidelines of marine electronics. All Fusion True-Marine products are backed by Fusion's 3 year, industry leading warranty to last season after season on your boat.

MULTI-ZONE™ TECHNOLOGY

Fusion introduced Multi-Zone Technology to the marine industry more than 10 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® STEREOS

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[1] stereos, enabling you to stream your music to multiple Apollo units on the same network.

FUSION AUDIO

Fusion Audio 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 Audio control over NMEA 2000®.

Download the free Fusion Audio 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 Audio app, or right from your wrist with your compatible Garmin watch and the free Fusion Audio Connect IQ™ app.

APOLLO™ SERIES

Enhance your time on the water with world-class Apollo Series marine audio entertainment products. These premium stereos feature a modern design aesthetic with robust, cutting-edge sound technology tailored to the marine environment. The result: clear, dynamic sound reproduction that sets a new industry benchmark in on-water listening enjoyment.

MS-RA770

The Apollo RA770 is the world's most-awarded marine stereo. It features a 4.3" touchscreen display with Fusion® DSP, built-in Wi-Fi® with Apple® AirPlay® 2, PartyBus™-Network technology, over-the-air software updates and Multi-Zone™ Technology in four zones. It also has Fusion Audio control and an IPX6 and IPX7 water-resistant front face with True-Marine™ design.

MS-RA670

The Apollo RA670 reembodies award-winning innovation in a more compact form factor. Key features include a 2.7" optically bonded color LCD, Fusion DSP, Multi-Zone Technology in three zones and Fusion Audio control. When connected to a Wi-Fi network, you have the additional features of Apple AirPlay 2[1], over-the-air software updates[1] and PartyBus-Network technology[1].

MS-WB675

The Apollo WB675 marine hideaway stereo is designed to save dash space at the helm while offering superior quality audio on board. It offers Multi-Zone™ Technology that controls up to four separate audio zones on your boat. Key features include Fusion® DSP, enhanced PartyBus-Network™ capabilities, Wi-Fi audio streaming with Apple AirPlay 2[1], over-the-air software updates[1] and the ability to control your music from a compatible MFD, smart device or Garmin watch.

MS-SRX400

A perfect companion to the Apollo RA770, the compact Apollo SRX400 zone stereo features a 2.7" optically bonded color LCD, Fusion DSP, built-in Wi-Fi with Apple AirPlay 2, PartyBus-Network technology and over-the-air software updates for a superior audio experience.

Works with Apple AirPlay

QUALITY, CONVENIENCE, BEST IN CLASS.
THE ONLY MARINE STEREOS 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[1] 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 boat with volume control individually or globally.

THE INDUSTRY AWARD-WINNING FEATURES OF THE APOLLO SERIES

FUSION DIGITAL SIGNAL PROCESSING

A technically superior listening experience made simple. Fusion DSP optimizes the audio signal delivered to your Fusion system to produce superior sound quality at all volume levels, in every listening environment.

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® audio streaming.

OVER-THE-AIR SOFTWARE UPDATES

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

PARTYBUS -NETWORK — FUSION PARTYBUS-NETWORK

Engineered for those who value the freedom to play what they want, where they want, Fusion PartyBus-Network is the audio distribution system of the future. We have introduced a new intuitive user experience for the Apollo Series, allowing you to seamlessly navigate and control your entire boat's audio network.

Key functionalities include:

• **Stereo grouping** – play the same synchronized audio source across grouped stereos.

• **Volume control** – individual or group volume control.

• **Power options** — turn on or off any Apollo Series stereo on the PartyBus-Network from another Apollo Series stereo or remote.

• **Home zone** — easy access to control where the stereo is installed.

FUSION® MARINE ENTERTAINMENT

APOLLO AMPLIFIERS

Fusion Apollo amplifiers are the difference between hearing the music and feeling it. They are efficient, easy-to-install and work with your compatible Fusion stereo system[1]. With multichannel versions capable of producing an impressive 150-watt RMS per channel — and monoblock units outputting up to 650 watts RMS powering a subwoofer — these Apollo amplifiers deliver a crisp, clean, technically superior marine audio experience. The compact zone amplifier provides audio zone expansion for high-quality sound in more areas on your boat. They all use less power, so you can listen to music longer with less drain on your battery. Plus, the Easy Tune feature[2] automatically regulates audio settings for the best sound quality without manual adjustments.

Available in: Monoblock | 4 Channel | 6 Channel | 8 Channel | Zone Amplifier

FUSION WAKE TOWER SPEAKERS

Join the party, whether you're on the boat or behind it. Fusion wake tower speakers are designed to deliver crystal-clear, high-quality audio at any volume level — plus full-spectrum LED lighting to match your music and add the ideal visual ambience to your on-water entertainment experience. The speakers' acoustic properties have been specifically optimized for wake boat applications. Speakers are offered in a range of sizes, and they're built True-Marine™ tough to last season after season in harsh marine environments. A selection of accessory mounting brackets (sold separately) makes for easy installation and versatility on board.

Signature Series 3i available in: 6.5" and 8.8"

XS Series available in: 6.5"

SIGNATURE SERIES 3i SPEAKERS

Bring on the elements. The Signature Series 3i speakers deliver crystal-clear audio and withstand harsh marine conditions like never before. New water-resistant connectors make installation easy and provide superior protection against the elements, season after season. CURV® Cone composite fiber technology produces greater sound definition at higher volumes. And CRGBW LED lighting (sports-style with LED models only) adds both Cool White and Warm White to the standard RGB LEDs, providing an unprecedented spectrum of colors to illuminate your boat and match your music for an unparalleled on-water entertainment experience.

Available in: 6.5" | 7.7" | 8.8"

SIGNATURE SERIES 3i SUBWOOFERS

Bring the thunder. The Signature Series 3i subwoofers deliver the drama with the premium low frequencies to enhance your listening experience. With new water-resistant connectors and a redesigned grille, these subwoofers are made for life on the water, just like you.

Available in: 10" | 12"

SIGNATURE SERIES AMPLIFIERS

The Signature Series 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. A 24-volt, 6-channel amplifier is also available for boats operating on 24-volt electrical systems.

Available in:

Monoblock | 4 Channel | 5 Channel | 6 Channel | 24 Volt 6 Channel | 8 Channel

XS SERIES MARINE SPEAKERS

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

Available in: 4" | 6.5" | 7.7"

FM SERIES MARINE SPEAKERS

The FM Series marine speakers are engineered to deliver quality acoustics to your boat in a sleek and minimalistic aesthetic to meet the latest boat design trends. The FM Series is designed to be flush mounted with a mounting profile no thicker than 2.5 mm [0.1"], for a near flat finish.

Available in: 6.5" | 7.7"

THE BENCHMARK FOR MARINE ENTERTAINMENT

MS-RA210

The 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 Audio control, and IPX6 and IPX7 rated from the front face, the MS-RA210 is a sleek addition to your boat.

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-RA60

The MS-RA60 is the most economical marine stereo from Fusion yet, featuring modern aesthetics, Multi-Zone™ Technology in two zones and advanced connectivity options in a compact form factor. It features perimeter-bonded, anti-fogging LCD that is integrated into the IPX6 and IPX7 water-resistant black front face.

REMOTE AUDIO CONTROLS

APOLLO™ ERX400 WIRED REMOTE

Sleek, compact and easy to install, the Apollo ERX400 wired remote control adds intuitive and integrated audio control to any zone on board your boat. It features a 2.7" optically bonded color LCD. And connecting a single proprietary Ethernet cable to an Apollo Series network or individual stereo makes installation a breeze.

ANT-ENABLED ARX REMOTE

Retrofit your Fusion ANT-enabled system with the MS-ARX70 ANT remote to enjoy the 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.

NRX300 WIRED REMOTE CONTROL

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 NRX300 features a certified NMEA 2000® connector for quick connection to existing networks and Fusion Audio control. With IPX7 water resistance and True-Marine™ design, you can relax knowing that your remote is built to last on board.

GPSMAP® 9000 MFD SERIES

INNOVATION AWARDS

19"
010-02673-01 | 9219

22"
010-02674-01 | 9222

24"
010-02675-01 | 9224
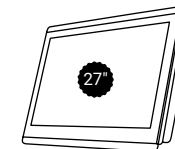
27"
010-02676 | 9227

Designed for captains who demand the best, the large-format GPSMAP 9000 series is the industry's first integrated 4K-resolution, in-plane switching (IPS) touchscreen chartplotter. Featuring edge-to-edge clarity, premium materials, wide viewing angles and processing power that is 7 times faster than previous generation glass helms, these multifunction displays are offered in sizes ranging from 19" to a big-as-they-come 27" format. High-speed network processing gives you a wide range of connectivity options, making it easy to link your compatible MFDs, cameras, sonars and more on the Garmin BlueNet™ network. Enjoy high-quality entertainment with multimedia streaming and seamless video integration. Plus, you can also use spoken commands to control your helm with your compatible headset. For navigation, the GPSMAP 9000 displays offer built-in Garmin Navionics+™ charts with Auto Guidance+ technology[1]. They're also compatible with premium Garmin Navionics Vision+™ charts.

| 4K RESOLUTION, IPS TOUCHSCREEN DISPLAY | HIGH-PERFORMANCE PROCESSOR | GIGABIT SPEEDS ON GARMIN BLUENET™ NETWORK | VIDEO INTEGRATION CAPABILITIES |

GARMIN NAVIONICS+ CHARTS

Highly detailed charts and maps featuring Navionics® data and Auto Guidance+ technology[1].

SONAR SUPPORT

Supports full range of Garmin traditional, UHD scanning and Live Sonar systems.

NMEA 2000® AND NMEA 0183 NETWORKS

Connect with autopilots, engine data, the Fusion® Audio system and other compatible marine sensors and ecosystems.

DIGITAL SWITCHING
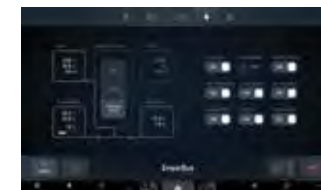
Nearly all your boat system controls are available right at your fingertips.

ADDITIONAL SERIES FEATURES

Premium, large-format 4K IPS touchscreen displays offer wide viewing angles, superior clarity and sunlight readability even with polarized sunglasses

Processing power is 7 times faster than previous generations for superior performance on your luxury screen

Build extensive networks with reliable connectivity and gigabit speeds on the proprietary Garmin BlueNet™ network

Enjoy high-quality entertainment with video integration capabilities with HDCP distribution

See fish like never before. Hook up to any of our scanning, traditional or Live Sonar modules to view targets on the 4k display (transducers and blackboxes sold separately)

Navigate with preloaded Garmin Navionics+™ charts; get support for Garmin Navionics Vision+™ charts with premium features such as high-resolution relief shading

Get your precise location with multi-band GPS and heading accuracy even at slow speeds with the included GPS 24xd position receiver and antenna

OneHelm™ and EmpirBus™ bring full control of all your onboard boat systems, such as lighting, propulsion, pumps, air conditioning and infotainment to your MFD screen

Connect your compatible Garmin devices with integrated BLUETOOTH® and ANT® technologies; use spoken commands to control the chartplotter with your compatible headset

Built-in Wi-Fi® pairs with free ActiveCaptain™ app for access to OneChart™ downloads, smart notifications[2], software updates, Garmin Quickdraw™ Community data and more

GPSMAP® 8600 MFD SERIES

GPSMAP 8617: 010-01510-50   **GPSMAP 8622: 010-01511-50**   **GPSMAP 8624: 010-01512-50**

Large-format multifunction displays feature full HD in-plane switching (IPS) touchscreens that provide consistent, accurate colors from all viewing angles even while wearing polarized sunglasses. GPSMAP 8600 series displays offer built-in Garmin Navionics+™ charts with Auto Guidance+ technology[1]. They're also compatible with premium Garmin Navionics Vision+™ charts.

GARMIN NAVIONICS+ CHARTS

Highly detailed charts and maps featuring Navionics® data and Auto Guidance+ technology[1].

FANTOM RADAR
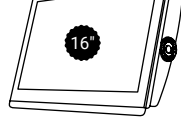
Supports Fantom™ radar with MotionScope™ technology.

DIGITAL SWITCHING SUPPORT

Nearly all your controls are available right at your fingertips.

CAMERA INTEGRATION

Supports camera integration for Garmin marine cameras, select Axis cameras, FLIR® thermal vision cameras and VIRB® action cameras.

ADDITIONAL SERIES FEATURES

- SmartMode™ provides one-touch access to docking, cruising, fishing, anchoring and more
- Install multiple displays either flush or flat mounted edge-to-edge
- Supports Garmin black box sonar systems; view multiple sources simultaneously
- Enhanced video processing with up to 4 IP (internet protocol) camera streams at the same time
- Built-in Wi-Fi® pairs with free ActiveCaptain™ app for access to OneChart™ to purchase and download new charts, smart notifications[2], software updates, Garmin Quickdraw™ Community data and more

- Presets for sonar, radar, cameras, media and digital switching can be independent or incorporated into SmartMode™ station controls
- Built-in Garmin SailAssist™ feature provides data, displays and prerace guidance needed to gain a competitive edge
- Network-compatible connectivity includes Wi-Fi®, ANT® technology, 4 wired Ethernet ports, NMEA® 2000, HDMI and USB ports, Fusion Audio integration
- OneHelm and EmpirBus bring full control of all your onboard boat systems, such as digital switching, lighting, propulsion, pumps, air conditioning and infotainment, to your MFD screen

GRID™ 20 REMOTE INPUT DEVICE
Landscape: 010-02011-01
Portrait: 010-02011-00

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.

GPSMAP® 8600 CHARTPLOTTER SERIES

10-02091-50 | 8610
010-02091-51 | 8610xsv

010-02092-50 | 8612
010-02092-51 | 8612xsv

010-02093-50 | 8616
010-02093-50 | 8616xsv

Chartplotter and chartplotter/sonar combos feature full HD in-plane switching (IPS) touchscreen displays for wider viewing angles, superior clarity and sunlight readability even with polarized sunglasses. GPSMAP 8600 series units come with built-in Garmin Navionics+™ charts featuring Auto Guidance+ technology[1]. They're also compatible with premium Garmin Navionics Vision+™ charts.
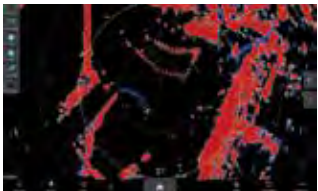
ULTRA HIGH-DEFINITION SONAR

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

LIVESCOPE™

Supports all LiveScope sonar, including the LiveScope Plus System and LiveScope XR System.

GARMIN NAVIONICS+ CHARTS
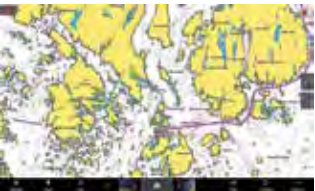
Highly detailed charts and maps featuring Navionics® data and Auto Guidance+ technology[1].

GMR FANTOM™ RADAR
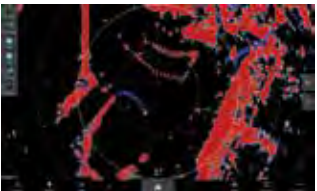
Supports Fantom radar with MotionScope™ technology.

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 LiveScope systems 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® smartwatches, 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 Navionics+ charts featuring Auto Guidance+ routing technology[1]

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 Wifi networking to pair with your compatible smartphone using the free ActiveCaptain app for access to OneChart, smart notifications, Garmin Quickdraw community data and more.

Compatible with Force™ trolling motors for full control of the motor from the chartplotter screen, plus the ability to route to waypoints, follow tracks and more

GPSMAP® X3 SERIES

010-02365-60 | 743
010-02365-61 | 743xsv

010-02366-60 | 943
010-02366-61 | 943xsv

010-02367-60 | 1243
010-02367-61 | 1243xsv

010-02919-01 | 1643
010-02919-03 | 1643xsv

Embrace connectivity, clarity and control at the helm with the GPSMAP X3 series chartplotters. These fast, responsive touchscreen units offer seamless network integration and support for traditional and scanning sonar capabilities[1], J1939 engine connectivity, OneHelm™ digital switching and more. GPSMAP X3 series units come with built-in Garmin Navionics+™ charts featuring Auto Guidance+[2] technology. They're also compatible with premium Garmin Navionics Vision+™ cartography.

| J1939 ENGINE CONNECTIVITY | ONEHELM DIGITAL SWITCHING CAPABILITIES | AVAILABLE WITH BUILT-IN GARMIN NAVIONICS+ CHARTS FEATURING AUTO GUIDANCE+ TECHNOLOGY[2] | XSV MODELS INCLUDE BUILT-IN SUPPORT FOR THE FULL SUITE OF GARMIN SONAR OPTIONS[1] |

ULTRA HIGH-DEFINITION SONAR

Offers built-in support for the Ultra High-Definition scanning sonar system; no black box needed.

LIVESCOPE™

Supports all LiveScope Sonar Systems.

GARMIN NAVIONICS+ CHARTS

Highly detailed charts and maps featuring Navionics® data and Auto Guidance+[2] technology.

NMEA 2000® AND NMEA 0183 NETWORKS

Connect with autopilots, the Fusion Audio system and engine data.

ADDITIONAL SERIES FEATURES

Bright, easy-to-use, sunlight-readable displays have more pixels than previous-generation GPSMAP touchscreens for ultra-sharp visibility from any angle

Slimline display borders, edge-to-edge glass and reduced unit footprint make for an easy fit in a wider range of dash configurations

Easily build your marine system — from compatible sonar and autopilots to compatible radar, cameras and multimedia — using NMEA 2000® and NMEA 0183 network connectivity and the Garmin Marine Network

Use the exclusive OneHelm™ feature to connect to many third-party devices for full control of your boat on your chartplotter screen

Use built-in Wifi networking to pair with your compatible smartphone using the free ActiveCaptain app[3] for access to OneChart, smart notifications, Garmin Quickdraw community data and more.

Integrated ANT® technology support for use with your compatible quatix® marine smartwatches, gWind™ Wireless 2 transducer, GNX™ Wind marine instrument and wireless remote controls

Built-in Garmin SailAssist™ features, including laylines, race features, set and drift, wind data and more

Compatible with Force™ trolling motors for full control of the motor from the chartplotter screen, plus the ability to route to waypoints, follow tracks and more

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GPSMAP® 1042/1242 SERIES

010-01740-50 | 1042xsv
010-01740-60 | 1042xsv + transducer

010-01741-50 | 1242xsv
010-01741-60 | 1242xsv + transducer

All-in-one networking chartplotter/sonar combos with keypad interfaces and multifunction control knob, traditional and scanning sonar capabilities[1]. They're available with built-in Garmin Navionics+™ charts featuring Auto Guidance+[2] technology. They're also compatible with premium Garmin Navionics Vision+™ charts.
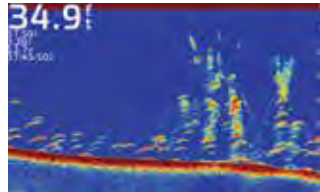
| KEYED INTERFACE WITH MULTIFUNCTION CONTROL KNOB | FULLY NETWORKABLE | BUILT-IN CHIRP TRADITIONAL, CLEARVÜ AND SIDEVÜ SCANNING SONAR[1] | AVAILABLE WITH BUILT-IN GARMIN NAVIONICS+ CHARTS FEATURING AUTO GUIDANCE+ TECHNOLOGY[2] |
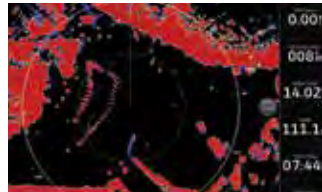
BUILT-IN SONAR[1]

All feature incredibly real CHIRP Traditional sonar.

FANTOM™ RADAR
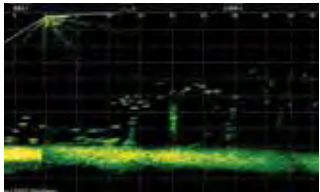
Supports Fantom radar with MotionScope™ technology.

GARMIN NAVIONICS+ CHARTS

Highly detailed charts and maps featuring Navionics® data and Auto Guidance+ technology[2].

LIVESCOPE™

Supports all LivesScope Sonar systems

ADDITIONAL SERIES FEATURES

Built-in Garmin single-channel 1 kW CHIRP traditional sonar, 1 kW CHIRP ClearVü and CHIRP SideVü scanning sonar[1]

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 Audio integration

Built-in Garmin SailAssist™ feature provides data, displays and prerace guidance needed to gain a competitive edge

ActiveCaptain® application support

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

ECHOMAP® ULTRA 2 SERIES

010-02880-00 | 106sv
010-02880-01 | 106sv + transducer
010-02879-00 | 102sv
010-02879-01 | 102sv + transducer

010-02882-00 | 126sv
010-02882-01 | 126sv + transducer
010-02881-00 | 122sv
010-02881-01 | 122sv with transducer

All the fishing tools are built-in. ECHOMAP Ultra 2 models feature a 10" or 12" touchscreen with keyed-assist IPS display. There's also support for the full line of LiveScope™ sonars as well as Ultra High-Definition ClearVü™ and SideVü™ scanning sonars[1] plus CHIRP traditional sonar. Both wired and/or wireless networking lets you share sonar, waypoints and routes with another ECHOMAP Ultra 2 or ECHOMAP UHD2 chartplotter on your boat (optional LiveScope sonar cannot be shared wirelessly). A handy screen recording feature lets you capture what you see on the chartplotter through the ActiveCaptain® app on your compatible smartphone. Select models come with Garmin Navionics+™ maps featuring Auto Guidance+™ technology[2], and all models support premium Garmin Navionics Vision+™ map upgrades. With a wireless connection to your Force® trolling motor, you can create and follow routes, navigate to waypoints, control speed and more.

| KEYED-ASSIST TOUCHSCREEN DISPLAY | BUILT-IN CHIRP TRADITIONAL AND ULTRA HIGH-DEFINITION, CLEARVÜ AND SIDEVÜ SCANNING SONAR[1] | PRELOADED WITH GARMIN NAVIONICS+ INTEGRATED COASTAL AND INLAND DATA | WIRELESSLY SHARE SONAR, WAYPOINTS, MAPS AND ROUTES[3] WITH ANOTHER UHD2 OR ULTRA 2 CHARTPLOTTER |

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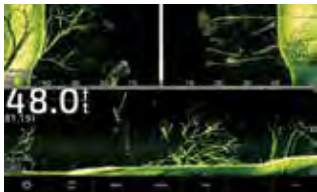
Built-in support for the Ultra High-Definition scanning sonar system, no black box needed.

LIVESCOPE™

Supports LiveScope sonar.

GARMIN NAVIONICS+ U.S. INLAND MAPS
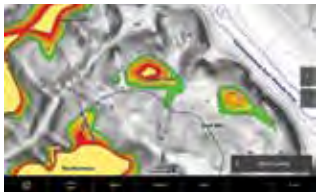
Highly detailed inland maps featuring Navionics data.

GARMIN NAVIONICS+ U.S. COASTAL CHARTS

Highly detailed coastal maps 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[3], software updates, Garmin Quickdraw™ Community data and more

Network capable with NMEA 2000® connectivity and support for heading sensors, autopilots, digital switching and Fusion Audio 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

Wirelessly share sonar, waypoints and routes with another ECHOMAP™ Ultra 2 or ECHOMAP UHD2 chartplotter on board (optional LiveScope™ sonar cannot be shared wirelessly).

ECHOMAP™ UHD2 6", 7", AND 9" SV SERIES

6"	7"	9"
010-02679-01 | 62sv + transducer	010-02679-01 | 62sv	010-02687-00 | 92sv
010-02679-00 | 62sv	010-02683-00 | 72sv	010-02687-01 | 92sv + transducer
63sv + transducer	010-02683-01 | 72sv + transducer	010-02688-00 |
010-02680-01 | 63sv	010-02684-00 | 73sv	010-02688-01 | 93sv + transducer
010-02681-00 | 64sv	010-02684-01 | 73sv + transducer	010-02689-01 | 94sv + transducer
64sv + transducer	010-02685-00 | 74sv	010-02689-00 | 94sv
	010-02685-01 | 74sv + transducer	
	010-02686-00 | 75sv	
	010-02686-01 | 75sv + transducer	

These 6", 7" and 9" touchscreen chartplotter/sonar combos with keyed assist[1] include or support transducers for Ultra High-Definition ClearVü™ and SideVü™ scanning sonar plus Garmin CHIRP traditional sonar. They're also compatible with LiveScope™ live-scanning sonar, and premium Garmin Navionics Vision+™ charts.

BUILT-IN CHIRP TRADITIONAL AND ULTRA HIGH-DEFINITION CLEARVÜ AND SIDEVÜ SCANNING SONAR[2]

WIRELESSLY SHARE SONAR, WAYPOINTS, MAPS AND ROUTES WITH ANOTHER UHD2 CHARTPLOTTER[2]

NMEA 2000® AND NMEA 0183 NETWORK SUPPORT FOR AUTOPILOT AND ENGINE DATA

AVAILABLE WITH BUILT-IN GARMIN NAVIONICS+ COASTAL OR INLAND DATA WITH AUTO GUIDANCE+ TECHNOLOGY[3]

ULTRA HIGH-DEFINITION SONAR

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

LIVESCOPE™

Features built-in support for LiveScope system sonar and the full line of live sonar products (optional transducers sold separately).

PRELOADED MAPPING

Navigate coastal or inland waters with available built-in Garmin Navionics+™ charts featuring Auto Guidance+ technology[3].

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[4], 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

[1]Available with or without included transducer • [2]LiveScope sonar cannot be shared wirelessly between two Echomap UHD2 chartplotters. CV units support ClearVü sonar only. SV units support both ClearVü and SideVü sonars. • [3]Auto Guidance is for planning purposes only and does not replace safe navigation operations [4]When paired with a compatible smartphone; see Garmin.com/ble

ECHOMAP™ UHD2 5" AND 7" CV SERIES

5"

010-02590-51 | 53cv
010-02591-50 | 54cv
010-02591-51 | 54cv
+ transducer

7"

010-02594-51 - 73cv + transducer
010-02595-51 | 74cv + transducer

Fish like a local with these easy-to-use 5" and 7" keyed chartplotter/sonar combos. Get clear, high-contrast views below your boat with Garmin traditional and ClearVü ™ scanning sonars[1]. Know the waters you're in as if you grew up fishing them by using preloaded Garmin Navionics+™ mapping.

>> BRIGHT, SUNLIGHT-READABLE DISPLAY

BUILT-IN CHIRP TRADITIONAL AND CLEARVÜ SCANNING SONAR

PRELOADED WITH GARMIN NAVIONICS+ INTEGRATED COASTAL OR INLAND DATA

SHARE SONAR, WAYPOINTS AND ROUTES WITH OTHER ECHOMAP DEVICES ≪

SONAR SUPPORT
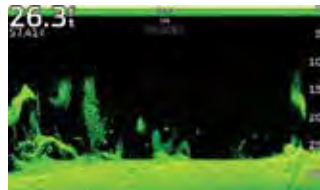
With crisp, clear traditional sonar and brilliant ClearVü sonar, the fish will have nowhere to hide.

VIVID COLOR PALETTES

High-contrast vivid scanning sonar color palettes make it easier than ever to distinguish targets and structure.

BUNDLE YOUR TRANSDUCER
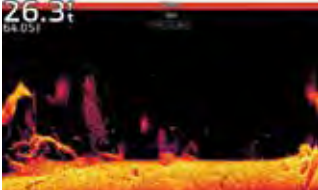
Your ECHOMAP UHD2 device supports a variety of Garmin transducers for two types of sonar: Garmin traditional and ClearVü scanning sonar.

WIRELESS NETWORKING
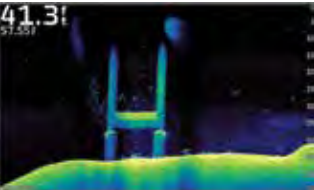
If you have another compatible ECHOMAP UHD2 chartplotter on your boat, the 5" and 7" models can wirelessly share information — such as sonar, waypoints and routes — with them.

ADDITIONAL SERIES FEATURES

Use built-in Wi-Fi® networking to pair with the free ActiveCaptain® app for access to OneChart™, smart notifications, software updates and more[2]

Choose preloaded LakeVü™ g3 inland maps, BlueChart® g3 coastal charts or worldwide basemap with support for Garmin Navionics+ and Garmin Navionics Vision+™ marine charts

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ECHOMAP™ PLUS SERIES

4"

010-01885-05 | 43cv + transducer
010-01886-05 | 44cv + transducer
010-01887-05 | 45cv + transducer

Easy-to-use, easy-to-set up chartplotter/sonar combos with keyed-assist touchscreens[1], 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[2], each featuring Navionics® data and Auto Guidance technology[3].

>> SUNLIGHT-READABLE DISPLAY

BUILT-IN CHIRP TRADITIONAL AND CLEARVÜ SCANNING SONAR

PRELOADED WITH BLUECHART G3 OR LAKEVÜ G3 CHARTS

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

Highly detailed inland maps featuring Navionics data.

BLUECHART G3 CHARTS

Highly detailed coastal charts featuring Navionics data.

THE LINEUP

	43cv	44cv	45cv
	010-01885-05	010-01886-05	010-01887-05
Preloaded BlueChart g3 Charts		•	
Preloaded LakeVü Maps	•		
Preloaded Canada Maps			•
CHIRP ClearVü[1]	•	•	•
CHIRP SideVü[1]			
CHIRP Traditional[1]	•	•	•
Panoptix™ Support			
Quickdraw Contours	•	•	•
Quick Release Mount	•	•	•

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[1]Transducer required (sold separately)
[2]Requires the ActiveCaptain app on your compatible smartphone paired to the ECHOMAP UHD2 5" and 7" chartplotters

50   GARMIN.COM

[1]Available with or without included transducer • [2]This model does not support 3D mapping views on BlueChart g3 Vision • [3]Auto Guidance is for planning purposes only and does not replace safe navigation operations

GARMIN.COM   51

TROLLING MOTORS

FORCE® TROLLING MOTOR SERIES

Move your fishing to a higher level with force. The Force trolling motor is the most powerful and most efficient 57" freshwater trolling motor available[1]. Wireless chartplotter connectivity provides navigation, autopilot and anchor lock features. Use the precise anchor lock to hold your boat in the same location while you fish. Force includes a convenient wireless foot pedal that provides instant control and responsiveness yet feels and steers like a cable-steered pedal. See more fish and structure clearly with integrated Ultra High-Definition scanning sonar. It also includes a handheld remote control with a built-in sunlight-readable display. The remote gives you complete control of the trolling motor and simple point-and-go gesture steering.

You get the best of all three. The powerful Force trolling motor has the power to move you from spot to spot more quickly and stand up better to winds and currents. Even with all that power, it is also the most efficient trolling motor available so you can count on it to fish all day. And it is still whisper quiet. Its high-efficiency brushless motor operates at either 36 V or 24 V. When running at 24 V, it delivers comparable thrust to our competitors' 36 V motors. The most powerful, most efficient and quiet trolling motor — it's everything you could want in a trolling motor.

Force Trolling Motor 50" - Part no. 010-02024-00
Force Trolling Motor 57" - Part no. 010-02025-00

CHARTPLOTTER INTEGRATION

Simple integration with your Garmin chartplotter via a wireless connection makes using the built-in autopilot easy. Create routes to your favorite waypoint and follow tracks while you fish.
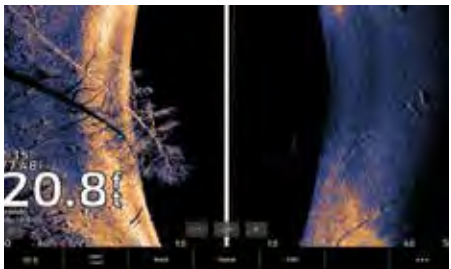
The Force trolling motor comes with an integrated transducer with CHIRP traditional and Ultra High-Definition ClearVü and SideVü scanning sonars with imperceptible sonar noise interference.

ADDITIONAL SERIES FEATURES

- Includes the power you need to counter winds and currents with the efficiency to fish all day
- Wireless chartplotter integration and built-in autopilot get you to fish, along with anchor lock to stay on them

- Wireless foot pedal provides instant control and responsiveness; feels and steers like a cable-steered pedal
- Includes integrated CHIRP traditional and Ultra High-Definition ClearVü and SideVü scanning sonars with imperceptible sonar noise interference

- Floating remote control gives you full control of the trolling motor and simple point-and-go gesture steering

WIRELESS FOOT PEDAL
Part no. : 010-12834-00

Enjoy the convenience of a wireless foot pedal. It provides instant control and responsiveness yet feels and steers just like a cable-steered pedal. It operates wirelessly using AA batteries, or — if you prefer — it can be hardwire installed.

REMOTE CONTROL
Part no. : 010-12833-00

The included handheld remote control with a sunlight-readable, transflective display offers total control of the trolling motor from anywhere on your boat along with unique point-and-go gesture steering capabilities. There are also user-programmable keys on the remote, which you can use for control of your chartplotter. No need to worry if the remote takes a trip overboard, because it's water-resistant, and it floats.

[1]In compliance with ISO standard 13342

FORCE® KRAKEN TROLLING MOTOR

With its extended shaft lengths, pivot-style mount and top-rated 100 lbs of thrust (in compliance with ISO standard 13342), Force Kraken is a powerful new addition to the Garmin trolling motor lineup. Designed for deep V hulls and deck configurations where bow space is limited, the Force Kraken gives you the power you need for boat maneuverability in high winds or strong current — plus the run-time efficiency to stay out on the water longer. Get a clear view of what's below your boat with the available GT56 transducer[1]. Then, once you've found the spot, stay put with our most precise anchor lock technology.

MORE FEATURES, MORE FLEXIBILITY

LiveScope™ live sonar (sold separately) is easy to add, thanks to the ability to run the cable through the trolling motor shaft. The sturdy pivot-style mount frees up space on the deck, and the 63", 75" and 90" shaft lengths accommodate boats with high freeboards. Draw a route with wireless chartplotter integration, and let the trolling motor automatically navigate the route while you fish. The included remote makes speed and heading adjustments easy from anywhere on the boat. Plus, it's saltwater-rated for advanced corrosion protection.

Force Kraken Trolling Motor 63", Black with GT 56 xdcr - Part no. 010-02573-00
Force Kraken Trolling Motor 63", White without xdcr - Part no. 010-02574-00
Force Kraken Trolling Motor 75", Black with GT 56 xdcr - Part no. 010-02573-10
Force Kraken Trolling Motor 75", White without xdcr - Part no. 010-02574-10
Force Kraken Trolling Motor 90", White without xdcr - Part no. 010-02574-20

CHARTPLOTTER INTEGRATION
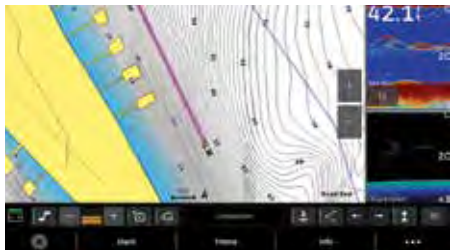
Wireless integration with your Garmin chartplotter allows you to create routes, patterns and tracks for the trolling motor to follow while you fish.
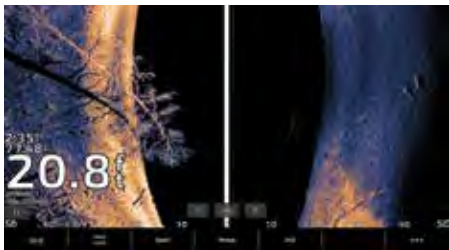
An integrated GT 56 transducer is available with black versions of the trolling motor, providing brilliant Ultra High-Definition sonar with virtually imperceptible electrical noise interference.
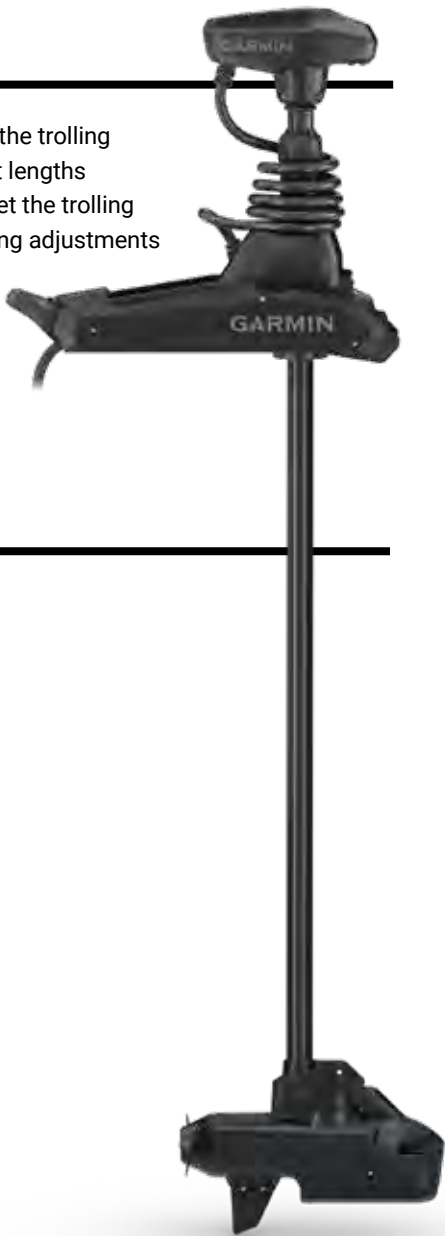
ADDITIONAL SERIES FEATURES

- The most powerful trolling motors[1] on the market, the Force Kraken's 100 lbs of thrust are more than strong enough to counter winds and currents
- Anchor lock provides our most precise boat positioning, thanks to multi-band GPS and integrated AHRS for heading hold

- Sturdy composite shaft is built to endure harsh marine environments
- Efficient brushless motor design is optimized to operate in rough, open-water conditions at either 24 or 36 volts

- Included remote control device allows you to use point-and-go gesture steering to control the trolling motor — and it floats
- Brushless motor design produces minimal electronic interference for clear sonar returns

INCLUDED REMOTE CONTROL
Part no. : 010-12833-00

For hands-freeing convenience, the included remote control with sunlight-readable display lets you control the trolling motor from anywhere on your boat, using its unique point-and-go gesture steering capabilities. Programmable keys on the device can be used to control your chartplotter. And for extra peace of mind, the remote will float if it's ever dropped overboard.

[1]GT56 transducer comes with the black versions of the trolling motor only   [1]In compliance with ISO standard 13342

GMR FANTOM™ 254/256 SERIES

With 250 watts of solid-state output, the GMR Fantom 254 and 256 series radars give you the power you need for serious scanning you can trust. Your choice of 4' or 6' open arrays each provide the reach to track severe weather up to 96 nautical miles away. So you can see it sooner to avoid it better. Then for added safety on the water, exclusive MotionScope™ technology detects and highlights moving targets to help you recognize potential collision hazards or even track bird flocks that can lead you to the best fishing spots out there.

GMR Fantom 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.

SPECIAL FEATURES

MOTIONSCOPE TECHNOLOGY
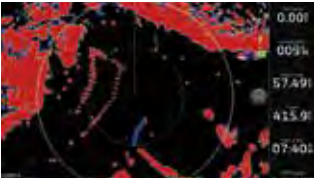
Detect and highlight moving targets in different colors to help avoid collisions, find flocks of birds and track weather from 20' to 96 nautical miles.

AUTO BIRD GAIN
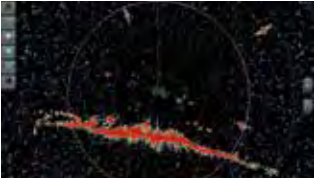
Where there are birds on the water's surface, there are often fish below it. Auto bird gain helps you locate flocks of birds at the water's surface.

ECHO TRAILS
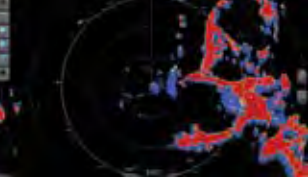
The radar's true echo trails feature displays a historical "trail" on the screen to help you quickly identify moving targets.

AUTOMATIC MARPA ACQUISITION
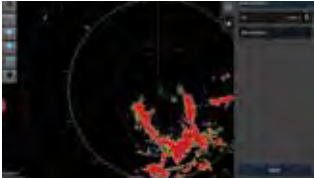
Enables automatic triggering and tracking of up to 30 MARPA traffic targets with no user prompting required.

PULSE COMPRESSION
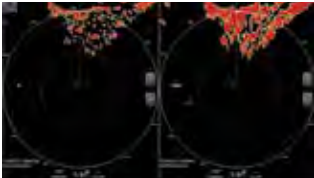
This feature provides high-resolution imaging while maximizing energy to enhance target detection and identification.

SCAN-TO-SCAN AVERAGING

This technology aids in the reduction of sea clutter and interference so you have a clear view of what's out there.

FEATURED — GMR FANTOM™ 24X

MOTIONSCOPE TECHNOLOGY	PULSE COMPRESSION TECHNOLOGY	TRUE ECHO TRAILS HELP YOU QUICKLY IDENTIFY MOVING TARGETS IN RELATION TO YOUR BOAT	MARPA AUTOMATIC ACQUISITION ALLOWS FOR TRIGGERING AND TRACKING WITH NO USER PROMPTING

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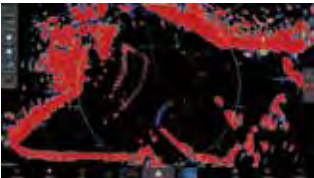
MotionScope technology highlights moving targets so you can navigate around other boats or severe weather — or toward birds feeding at the surface.

ECHO TRAILS
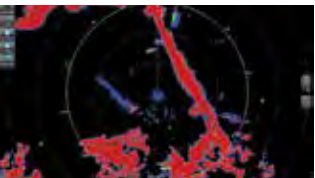
The echo trails feature leaves a historical "trail" on the screen to help you quickly identify moving targets.

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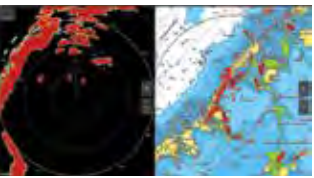
Dual-range overlays show close and long-range, split-screen images at the same time.

AUTO BIRD GAIN
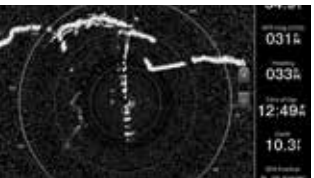
Auto bird gain helps locate flocks of birds at the water's surface where baitfish are also likely to be found.

THE LINEUP

	GMR Fantom 18X 010-00959-00	GMR Fantom 24X 010-00960-00	GMR Fantom 54 K10-00012-17	GMR Fantom 56 K10-00012-18	GMR Fantom 124 K10-00012-08	GMR Fantom 126 K10-00012-08	GMR Fantom 254 K10-00012-22	GMR Fantom 256 K10-00012-22
Wattage	50	50	50	50	120	120	250	250
Dome Dimension	20" dia., 9.8" high	25.4" dia., 9.8" high						
Open Array			4'	6'	4'	6'	4'	4'
Dynamic Auto Gain and Sea Filter Settings	•	•	•	•	•	•	•	•
Target Size Adjustment	•	•	•	•	•	•	•	•
MARPA Target Tracking	Yes[1]	Yes[1]	Yes[1]	Yes[1]	•	•	•	•
Dual Radar Support	•	•	•	•	•	•	•	•
Guard Zone	•	•	•	•	•	•	•	•
RPM	24/48	24/48	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	1.8° horizontal, 23° vertical	1.25° horizontal, 23° vertical
Minimum Range	6 meters	6 meters	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	96 nm	96 nm

[1]Requires heading sensor; sold separately

GMR™ XHD3 OPEN-ARRAY RADARS
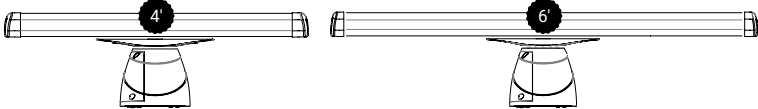
Designed for serious seafaring on yachts and sport fishing boats, these robust 4' and 6' open-array radars incorporate the latest Garmin magnetron technology to deliver high-definition imaging at all ranges for superior weather, obstacle and traffic detection. Antennas are built to withstand harsh conditions with a 100-knot commercial grade wind rating[1].

FEATURED — GMR XHD3 SERIES

| CHOOSE 4, 12 OR 25 KW OF POWER OUTPUT FOR UP TO 96 NAUTICAL MILE RANGE | ADVANCED SCAN AVERAGING TECHNOLOGY FILTERS OUT SEA CLUTTER | PULSE EXPANSION MAXIMIZES ENERGY ON TARGET | OVERLAY RADAR ONTO CHART SCREEN AS A SINGLE DISPLAY OR SPLIT SCREEN WITH INDEPENDENT RANGE SETTINGS |

SCAN AVERAGING
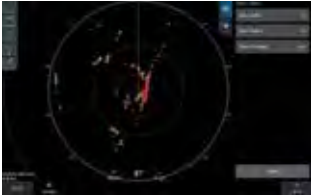
A first for Garmin magnetron radar, scan averaging helps filter out sea clutter and interference to enhance the detection and display of consistent targets.

ANGULAR TARGET SIZE ADJUSTMENT
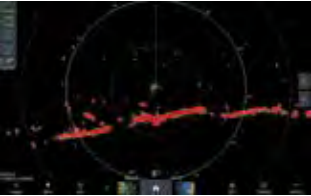
Advanced image processing helps improve object shapes on-screen to optimize target interpretation at all range scales.

TRUE ECHO TRAILS
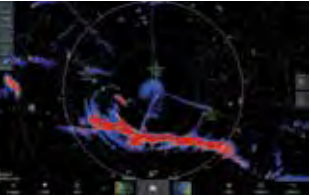
A historical "trail" of boats on the water is displayed on the screen, removing relative motion influence to help you quickly identify moving targets and potential collision threats.

AUTO BIRD GAIN AND BIRD MODE
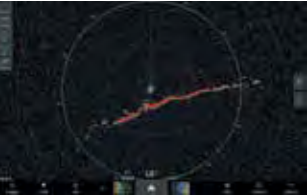
Use these features to help locate flocks of birds at the water's surface where baitfish are also likely to be found.

THE LINEUP

	GMR 434/436 XHD3 K10-00012-24 / K10-00012-25	GMR 1234/1236 XHD3 K10-00012-26 / K10-00012-27	GMR 2534/2536 XHD3 K10-00012-28 / K10-00012-29
Transmit Power	4 kW	12 kW	25 kW
Dimensions (diameter)	1938 mm (GMR 436) 1325 mm (GMR 434)	1938 mm (GMR 1236) 1325 mm (GMR 1234)	1938 mm (GMR 2536) 1325 mm (GMR 2534)
Rotation Speed (revolutions/min)	24 and 48	24 and 48	24 and 48
Weight	29.6 kg (GMR 436) 27.6 (GMR 434)	29.7 kg (GMR 1236) 27.7 (GMR 1234)	30.4 kg (GMR 2536) 28.4 (GMR 2534)
Horizontal Beamwidth	1.1° (GMR 436) 1.8° (GMR 434)	1.1° (GMR 1236) 1.8° (GMR 1234)	1.1° (GMR 2536) 1.8° (GMR 2534)
Vertical Beamwidth	23°	23°	23°
Maximum/Minimum Range	72 nautical miles / 20 meters	96 nautical miles / 20 meters	96 nautical miles / 20 meters
Waterproof According to Standard	IPX6	IPX6	IPX6
Power Supply	11-32 V	10-32 V	10-32 V
Power Consumption (typical)	55 W	70 W	70 W
Power Consumption (standby)	18 W	18 W	18 W
Temperature Range	-25 to 55 C	-25 to 55 C	-25 to 55 C
Guard Zone with Alarm	Yes	Yes	Yes
Cable Length	15 meters	15 meters	15 meters
Polarization	Horizontal	Horizontal	Horizontal
Trails	True	True	True
Dual Range	Yes	Yes	Yes

GMR™ XHD3 DOME RADARS

Loaded with advanced features typically found on open arrays, these 4-kW magnetron radars — in 18" or 24" sizes — bring high-definition imaging and fast target updates to boaters who want a quiet, compact dome radar for cruising or fishing offshore. Scan averaging, a first for Garmin magnetron radar, results in reduced sea clutter and interference on the display.

FEATURED — GMR XHD3 SERIES

| 4 KW OF POWER OUTPUT FOR UP TO 48 NAUTICAL MILE RANGE | ADVANCED SCAN AVERAGING TECHNOLOGY FILTERS OUT SEA CLUTTER | ROTATION SPEEDS UP TO 60 RPM FOR FAST REDRAW RATES | DUAL-RANGE OVERLAYS SHOW CLOSE AND DISTANT RADAR IMAGES WITH SPLIT-SCREEN VIEW |

THE LINEUP

	GMR 24 XHD3 010-02842-00	GMR 18 XHD3 010-02841-00	GMR 18 HD3 010-02843-00
4 kW Transmit Power	•	•	•
Dual Range	•	•	
Radar Overlay Support	•	•	•
Power Consumption	40 W typical	40 W typical	40 W typical
Power Input	11-32 V DC	11-32 V DC	11-32 V DC
RPM	Up to 60 rpm, depending on settings	Up to 60 rpm, depending on settings	24
Beam Width	3.7° horizontal, 25° vertical	5.2° horizontal, 25° vertical	5.2° horizontal, 25° vertical
Trails	True	True	No
Minimum Range	20 meters	20 meters	20 meters
Maximum Range	48 nautical miles	48 nautical miles	36 nautical miles

GMR™ HD3 DOME RADARS

For high-performance scanning at an entry-level price, the 18" GMR™ HD3 dome radars are designed for mariners who want to make the most of their time on the water. These robust 4-kW magnetron radars offer reliable target detection to maximize situational awareness in low-visibility conditions.

FEATURED — GMR HD3 DOME RADAR

| 4 KW OF POWER OUTPUT FOR UP TO 36 NAUTICAL MILE RANGE | DUAL RADAR SUPPORT FOR ADDED REDUNDANCY | 48 OR 24 RPM ROTATION SPEEDS | DYNAMIC AUTO GAIN ADJUSTS TO CONDITIONS |

[1]4-kW versions require optional equipment (sold separately) for 100-knot wind rating

SONAR BLACK BOXES

GSD™ 28

Take your sport fishing to extreme depths with this high-powered sonar module with Garmin RapidReturn™ sonar and xCHIRP technology for crisp and clear fish arches.

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 28 010-02797-00	GSD 25 010-01159-00	GSD 24 010-00957-00	GCV 20 010-02055-10
Garmin Marine Network Ports	1 Garmin BlueNet™	1	1	3
Frequencies Supported	Dual Channel CHIRP: 25-250 kHz (dependent on transducer)	Traditional: 50/200, 77/200, 83/200 Single Channel CHIRP: 40-250 Dual Channel CHIRP: 40-250 SideVü/ClearVü: CHIRP 455/800 and CHIRP 260/455 (dependent on transducer)	50/200 kHz	Ultra High-Definition ClearVü: 0.8 MHz (800 kHz), CHIRP range: 760-880 kHz Ultra High-Definition SideVü: 1.2 MHz (1,200 kHz), CHIRP range: 1,060-1,170 kHz
Transmit Power	300w-3kW rms (dependent on transducer)	1 kW	25-2,000 W rms	500 W rms
ClearVü/Sideü		•		•
Max Depth	10,000' (3,048 m)	5,000' (1,524 m)	5,000' (1,524 m)	200' Ultra High-Definition ClearVü 125' to each side Ultra High-Definition SideVü 250' total, at a maximum depth of 30'
Traditional CHIRP Capable	•	•		
xCHIRP Capable	•			
Power Input	10-32 V	10-35 V	10-35 V	
Power Usage	120 W maximum	27 W maximum	40 W maximum	
Compass-safe Distance	75" (190 cm)	11.8" (30 cm)	15.7" (40 cm)	10.2" (26 cm)
RapidReturn Sonar Technology	•			

AUTOPILOTS

GHP™ REACTOR 40 AUTOPILOT SERIES

The Reactor™ 40 hydraulic autopilot keeps you on course at cruising speeds, minimizes heading error, reduces power consumption and more so you can be more comfortable while cruising. Solid-state 9-axis Attitude Heading Reference System (AHRS) sensors provide reliable vessel control in all sea and weather conditions and consistent heading accuracy within 2 degrees.

Our Shadow Drive™ technology lets you easily take back control of the helm just by turning the wheel — automatically disengaging the autopilot. It's easy to control from your compatible Garmin chartplotter, and Reactor 40 can follow auto-guided routes[1] with compatible chartplotters and Garmin Navionics+™ and Garmin Navionics Vision+™ charts, as well as legacy BlueChart® g3 and g3 Vision charts. Flexible mounting options and quick, simple commissioning make installation easier.

For boats without a good, clean magnetic location to mount the CCU, Reactor™ 40 also supports heading inputs from third-party NMEA 2000® sensors such as GPS compasses.

ADDITIONAL SERIES FEATURES

- 9-axis AHRS sensors provide reliable vessel control in all sea and weather conditions and consistent heading accuracy within 2 degrees
- Shadow Drive™ technology automatically disengages the autopilot when you turn the wheel
- Control the autopilot directly from the screen of your compatible chartplotter

- Access Auto Guidance+[1] with compatible chartplotters and Garmin Navionics+ and Garmin Navionics Vision+ charts. Auto Guidance is also available with BlueChart g3 and g3 Vision charts.
- Supports third-party heading sensors or GPS compasses via the NMEA 2000® network

ACCESSORIES FOR REACTOR AUTOPILOTS

GHC™ 50 CONTROL UNIT
Part no: 010-02731-00

With its 5" WVGA edge-to-edge glass touchscreen interface and both wireless and wired control options, the GHC 50 autopilot instrument is styled to match the latest GPSMAP® premium chartplotters. It's powered by the NMEA 2000 network for seamless connectivity with Garmin MFDs and other units on your vessel.

REACTOR™ AUTOPILOT REMOTE
Part no: 010-12833-10

The ultimate in onboard freedom 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.

GNA 10 JOG LEVER ADAPTER
Part no: 010-13007-00

Use the GNA 10 to connect a jog lever to Reactor 40 autopilots on displacement hull work boats or trawlers. Adjust heading hold with the jog lever or access Power Steering mode to move the rudder without autopilot guidance.

GHP™ REACTOR 40 STEER-BY-WIRE AUTOPILOT

These corepacks bring our GHP Reactor 40 autopilot technology to vessels with select steer-by-wire control systems, including Yanmar® Electric Power Steering for the JC10 Joystick system, Teleflex® Optimus™ systems, Yamaha® Helm Master™ systems, Volvo Penta® Inboard Performance Systems and ZF® 2800 Pod Drive steerings systems.

GHP REACTOR 40 STEER-BY-WIRE STANDARD COREPACK
Part no: 010-02794-03

GHP REACTOR 40 STEER-BY-WIRE YAMAHA® HELM MASTER™ COREPACK
Part no: 010-02794-04

GHP REACTOR 40 STEER-BY-WIRE VOLVO PENTA® COREPACK
Part no: 010-02794-06

ADDITIONAL SERIES FEATURES

- Solid-state 9-axis AHRS, reacts to the sea to hold course, even when the boat is unstable
- Standard corepack: supports steering systems from Yanmar® JC10 Joystick system, Teleflex® Optimus™ systems and ZF® 2800 system
- Corepack for Yamaha®: supports Yamaha Helm Master systems
- Corepack for Volvo Penta®: supports Volvo Penta IPS and stern drive joystick systems
- Minimizes heading error, course deviation, rudder movement, power consumption, while providing a comfortable ride

- Mounts in any orientation
- NMEA 2000 interface
- Minimal commissioning and calibration takes just five minutes
- Provides advanced features to compatible Garmin chartplotters such as route following, route engage, and Autopilot Virtual Device
- Connects to up to 3 GHC™ 50 control units
- Add optional Autopilot Remote for control anywhere on your boat

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

GHP™ REACTOR 40 HYDRAULIC AUTOPILOTS

GHP REACTOR 40 HYDRAULIC COREPACK (PUMP SOLD SEPARATELY) Part no: 010-02794-00
GHP REACTOR 40 HYDRAULIC WITH SMARTPUMP COREPACK Part no: 010-02794-01

This robust unit gives powerboat users an easy-to-use autopilot system to rely on for navigation. The optional SmartPump features a more powerful, brushless motor-driven pump that is suitable for most users. It offers Intelligent Rudder Rate Technology (IRRT) which adjusts the rudder speed to the speed of your boat to ensure safer and more stable operation.

ADDITIONAL SERIES FEATURES

- Complete packages designed for hydraulically steered powerboats and sailboats
- Solid-state 9-axis AHRS, reacts to the sea to hold course, even when the boat is pitching and rolling
- Minimizes heading error, course deviation, rudder movement, power consumption, while providing a comfortable ride
- Mounts in any orientation
- Minimal commissioning and calibration takes just five minutes
- One SmartPump™ fits most hydraulically steered boating applications
- NMEA 2000 interface

- Small, brushless SmartPump™ delivers better thermal performance, higher reliability, and lower power consumption
- Optimal performance for all steering cylinder sizes from 4 to 17 cubic inches
- Intelligent Rudder Rate Technology (IRRT)
- Patented Shadow Drive™ technology keeps you in control even when autopilot is engaged
- Provides advanced features to compatible Garmin chartplotters such as route following, route engage, and Autopilot Virtual Device
- Connects to up to 3 GHC™ 50 control units

PUMPS

1.2-LITER PUMP KIT
Part no: 010-00705-64

2-LITER PUMP KIT
Part no: 010-00705-63

GHP REACTOR™ 40 MECHANICAL AUTOPILOT

GHP REACTOR 40 MECHANICAL / RETROFIT / SOLENOID COREPACK Part no: 010-02794-02

You never know when an extra crew member can come in handy. Maybe the wind picks up, and you have to leave the wheel to raise the sails or pull in fenders. Even in calm conditions, you sometimes need to hand over to someone else. That's where this below-deck autopilot system comes in, ideally suited for sailboats or powerboats with direct or cable-actuated steering systems.

ADDITIONAL SERIES FEATURES

- Ideal for sailboats with direct or cable-actuated steering systems
- Retrofit with your existing autopilot actuator or use with one of several Garmin linear actuator options (sold separately)
- Solid-state 9-axis AHRS, reacts to the sea to hold course, even when the boat is pitching and rolling
- Minimises heading error, course deviation, rudder movement, power consumption, while providing a comfortable ride
- Mounts in any orientation
- Minimal commissioning and calibration takes just five minutes
- Engineered from corrosion-resistant components

- NMEA 2000 interface
- Enter your boat's displacement or its planning speed, and Reactor will take into consideration the various steering characteristics that are required
- Provides advanced features to compatible Garmin chartplotters such as route following, route engage, and Autopilot Virtual Device
- Connects to up to 3 GHC™ 50 control units
- The Reactor 40 autopilot can follow auto-guided routes[1] with compatible chartplotters and Garmin Navionics+™ and Garmin Navionics Vision+™ charts, as well as legacy BlueChart® g3 and g3 Vision charts
- Add optional Autopilot remote for control anywhere on your boat

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

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

GHP™ COMPACT REACTOR 40 HYDRAULIC AUTOPILOTS

Designed for boats less than 30 feet long to provide relief from manually holding the wheel to maintain course in heavy currents or winds[1]. Solid-state 9-axis AHRS technology delivers less heading error, course deviation, rudder movement, power consumption and a more comfortable ride. Easy to install with flexible mounting options and quick, easy commissioning via a compatible chartplotter or GHC™ 50.

GHP COMPACT REACTOR 40 HYDRAULIC COREPACK WITH GHC™ 50 AND SHADOW DRIVE™
Part no: 010-02794-08

GHP COMPACT REACTOR 40 HYDRAULIC COREPACK WITH GHC 50
Part no: 010-02794-07

GHP COMPACT REACTOR 40 HYDRAULIC COREPACK
Part no: 010-00705-06

ADDITIONAL SERIES FEATURES

- Solid-state 9-axis AHRS, reacts to the sea to hold course, even when the boat is unstable
- Designed for boats boats less than 30 feet long
- Available in two-pack configurations:
    GHP Compact Reactor Hydraulic Autopilot with GHC 50 and Shadow Drive™
    GHP Compact Reactor Hydraulic Autopilot with GHC 50 and GHP Compact Reactor Hydraulic Autopilot
- Provides an extra set of hands, relief from manually holding the wheel to remain on course in heavy currents or winds

- Easy-to-install CCU provides flexible mounting options and quick, easy commissioning
- NMEA 2000 interface
- Minimal commissioning and calibration takes just five minutes
- 1 L geared pump supports hydraulic steering cylinders up to 10 cubic inches
- Provides advanced features to compatible Garmin chartplotters such as route following, route engage, and Autopilot Virtual Device
- Easy to add GHC 50 and Garmin patented Shadow Drive at any time if not initially included
- Add optional Autopilot remote for control anywhere on your boat

REACTOR™ 40 KICKER AUTOPILOT

The Reactor 40 kicker autopilot is specially designed for boats with small gasoline outboard motors up to 20 horsepower. Whether you're going for salmon, trout, walleye or some other species, your Reactor 40 kicker autopilot can help you maintain heading hold and route to keep you on course — even against wind, waves or heavy current. It includes a convenient floating handheld remote control with bright, sunlight-readable display. The Reactor 40 kicker autopilot makes it easy to fine-tune your autopilot throttle setting with the touch of a button and to quickly drop to idle speed when netting a fish. Enjoy easy integration with our included GHC™ 50 display, compatible Garmin chartplotters or NMEA 2000® network-compatible GPS system for a seamless onboard setup.

ADDITIONAL SERIES FEATURES

- Specially designed for boats with small gasoline outboard motors up to 20 horsepower
- Helps maintain heading hold and route to keep you on course — even against wind, waves or heavy current
- Includes convenient floating handheld remote control with a bright, sunlight-readable display

- Easily fine-tune autopilot throttle setting with the touch of a button to quickly drop to idle speed when netting a fish
- Easy to install and integrate with our included GHC 50 display, compatible Garmin chartplotters or NMEA 2000 network-compatible GPS system

COMMUNICATIONS

VHF

CORTEX® V1 MARINE RADIO
Part no: 010-02814-20

A revolution in marine communication that will change your VHF experience forever. With an intuitive touchscreen handset engineered for durability, the Cortex V1 is a communications hub that integrates strong, clear audio with the power of AIS collision avoidance — plus remote systems monitoring and control from on board or ashore.

• With up to 85 dBA of crystal-clear audio power, the Cortex V1 system delivers superior sound quality.

• The included Cortex H1 handset offers easy one-hand operation with touchscreen, click-wheel and select keys.

• A built-in SOTDMA AIS transponder proactively warns you of certain collision threats with voiced alerts.

• Quickly initiate digital selective calling direct calls by tapping the AIS boat symbol on the handset's touchscreen.

• Cortex apps let you monitor boat systems, receive alerts and remotely control devices from your compatible smartphone.

• NMEA 2000® networking allows you to view Cortex data on your connected MFDs and chartplotters.

VHF, AIS AND MONITORING

Cortex V1 is an advanced multi-station VHF radio with remote monitoring and control. The Cortex V1 system includes a Cortex M1 hub and Cortex H1 tethered handset. Connect additional Cortex handsets (sold separately) for even more freedom and control on board.

ANCHOR WATCH

Whether you're onboard or ashore, you can know for sure your boat is securely anchored. Cortex smartAIS accurately tracks boat movement, heading and bow position, alerting you if your anchor drags.

NEVER MISS A WORD

The Cortex system's cutting-edge SquelchEQ control is constantly adjusting for optimum listening performance, while its unique omni watch actively listens to all VHF frequency channels simultaneously and records each active channel for a playback period. With Cortex, you'll truly never miss a word.

ONE-TOUCH DSC

Cortex lets you initiate DSC direct calls with other vessels by simply tapping the vessel icon on your handset. Initiate VHF calls to friends from the saved favorites list, nearby vessel directory list or quickly hail another vessel from the collision avoidance situation screen when every second counts.

COLLISION AVOIDANCE

Cortex smartAIS continuously monitors AIS information from other boats and calculates crossing situations, generates collision alarms and provides easy-to-understand avoidance cues. Data from its built-in heading sensor is also broadcast, so other vessels can clearly identify which direction your boat is moving.

VHF VOICE FLEXIBILITY

Connect up to 5 portable and power-tethered style Cortex handsets wirelessly via Wi-Fi® link to the Cortex M1 hub. Keep a portable handset with you for continual VHF communications access from anywhere on your boat.

VHF 115 MARINE RADIO
Part no: 010-02096-00

Essential fixed-mount VHF marine radio with 25-watt transmit power and built-in GPS. Standard Class D digital selective calling (DSC) and easy plug-and-play installation to compatible chartplotters and MFDs via the NMEA 2000® network.

VHF 215 MARINE RADIO
Part no: 010-02097-00

Fixed-mount VHF marine radio with relocatable fist microphone handset. Compatible with GHS II Wired VHF Handset. It has 25-watt transmit power with built-in GPS and standard Class D DSC, and easy plug-and-play installation to compatible chartplotters and MFDs via the NMEA 2000® network.

VHF 215 AIS MARINE RADIO
Part no: 010-01654-00

Fixed-mount VHF marine radio with built-in Class B CSTDMA AIS receiver. Easy plug-and-play installation to compatible chartplotters and MFDs to display AIS targets via the NMEA 2000® network. Flexible mounting with relocatable fist microphone handset and compatible with GHS II Wired VHF Handset.

VHF 315 MARINE RADIO
Part no: 010-02047-00

Modular black box VHF marine radio with built-in GPS receiver[1]. Includes GHS II Wired VHF Handset and active speaker to use as an intercom between up to 3 stations. Connect a 30-watt capable hailer for two-way broadcast and listening. Easy plug-and-play installation to compatible chartplotters and MFDs the NMEA 2000® network.

GHS™ 11 WIRED VHF HANDSET
Part no: 010-01759-00

Full-function wired VHF Handset compatible with VHF 215, VHF 215 Garmin AIS and VHF 315. Clear 2" display, mounting flexibility using the 32' extension cable from the VHF marine radio and convenient 1' to nearly 5' coiled cable to the handset.

THE LINEUP

	VHF 115 010-02096-00	VHF 215 010-02097-00	VHF 215 AIS 010-02098-00	VHF 315 010-02047-00	Cortex V1 010-02814-20
Display	2.5"	3.2"	3.2"	2"	4" color touch
Intercom	•	Yes (requires GHS 11i)	Yes (requires GHS 11i)	Yes (up to 3 stations)	Yes (one way)
Hailer & Horn	•	Yes	Yes	Yes	Yes
Built-in AIS	•	•	Class B CSTDMA	•	Class B SOTDMA
Compatible Handsets	•	GHS 11i (additional)	GHS 11i (additional)	GHS 11i (additional)	Cortex H1P and H1P (up to 5 direct to Cortex WiFi®)
Channel Scanning	Yes	Yes	Yes	Yes	Yes
Watch	Dual/Tri	Dual/Tri	Dual/Tri	Dual/Tri	Omni
Record/Playback	•	•	•	•	Yes (all channels)
Off-boat Monitoring	•	•	•	•	Yes

[1]VHF 315 requires external antenna (sold separately)

AIS

CORTEX® M1 SMARTAIS
Part no: 010-02815-20

The Cortex M1 hub combines advanced collision avoidance technology with proactive alerting plus remote monitoring and control of onboard systems from your compatible smartphone.

• A high-speed Class B SOTDMA smartAIS transponder transmits your boat's location and heading and proactively warns of certain collision threats.

• Features Anchor Watch for anchor drag alerts and receives man overboard beacon transmissions.

• Cortex M1 is VHF-ready. Simply add a Cortex handset (sold separately) for full VHF radio capability.

• Cortex apps let you monitor boat systems, receive alerts and remotely control devices from your compatible smartphone.

• A GPIO port and supplied cable allow you to monitor bilge pumps, security sensors, shore power and more.

• NMEA 2000® networking allows you to view Cortex data on your connected MFDs and chartplotters.

AIS™ 800
Part no: 010-02087-00

Increase your situational awareness and confidence on the water with the AIS 800 transceiver. Featuring Class B SOTDMA with 5 watts of transmit power, AIS 800 broadcasts position reports faster with increased speed over regular Class B CSTDMA. Transmit your vessel information to other vessels' AIS receivers in your area so you can be seen. Receive AIS target data from other vessels and plot those on a NMEA 2000® networks chartplotter or multifunction display. An internal VHF antenna splitter allows the VHF and AIS to share a single antenna. A built-in GPS ensures your broadcasted position reports are accurate for other vessels.

• Easy-to-use, reliable communication transmits your vessel information to other AIS receivers in your area while receiving AIS target data

• 5 watts of transmit power with Class B SOTDMA provides faster positioning reporting with increased speed

• Built-in GPS with connector for optional external antenna

• NMEA 2000® connectivity for easy integration with compatible chartplotters and multifunction displays

• Internal VHF antenna splitter allows VHF and AIS to share a single antenna

ANCHOR WATCH

Using actual anchor position from the bow and the Cortex built-in heading sensor, smartAIS tracks boat movement and sounds an alarm if the anchor drags or if there is a change in wind speed, direction or water depth. While on your boat, get alerts on your compatible mobile device via the Cortex Onboard™ app — or via the Cortex Monitor™ app when you're ashore.

REMOTE MONITORING AND CONTROL

Check boat status, receive alerts and control devices with Cortex remote monitoring access using the Cortex Monitor app. Directly connect up to 5 external sensors to your system for added monitoring capability.

COLLISION AVOIDANCE

Cortex M1 is a full Class B SOTDMA transceiver combining GPS, AIS and heading data with smart logic to proactively warn you of certain collision risks with alarms or voice-annunciated alerts that escalate until acknowledged. AIS vessel information (name, bearing and relative position) is continuously provided using AIS information broadcast from other boats.

CORTEX ONBOARD APP

While you're on your boat, the Cortex Onboard app can serve as your primary interface with your Cortex M1 hub, allowing you to monitor boat status, receive alerts, view instrument data and display AIS screens on your compatible smart device.

MAN OVERBOARD

Cortex smartAIS continuously watches for man overboard (MOB) activations, sounding an alarm when it detects one. MOB can be manually activated via the Cortex Onboard app or automatically from an AIS MOB beacon — which launches a track-back mode for quicker retrieval.

NETWORK CONNECTIVITY

Cortex can receive and broadcast information over NMEA 0183 and NMEA 2000® networks, making it compatible with all modern chartplotters and multi-function displays.

CLASS B SOTDMA

Class B SOTDMA AIS is self-organizing and offers increased benefits over regular Class B CSTDMA. Increased transmission power guaranteed time slot allocation helps ensure your position report is received by other vessels. Transmission rate is also increased when your vessel is traveling at increased speed.

AIS ON YOUR CHART PLOTTER

Cortex® M1 and AIS 800 AIS transceivers feature NMEA 2000®/0183 connectivity for easy integration with compatible chartplotters and multifunction displays. See AIS target vessels in range on your chartplotter.

COLLISION WARNINGS

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

IDENTIFICATION
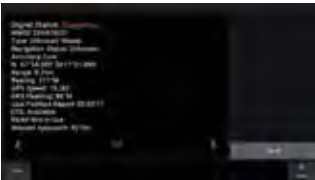
Sends detailed vessel data, allowing easy identification.

CLEAR OVERVIEW

Shows you the surroundings and the vessels around your boat.

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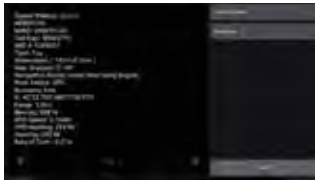
Spot your friends quickly and enjoy direct ship-to-ship communication.

SATELLITE TV DOME POWERED BY KVH®

GTV 5
GARMIN

GTV 6
GARMIN

With 30% greater reception than other systems, you'll enjoy satellite TV reception where few others can provide it. Our GTV5 and GTV6 satellite TV antenna, powered by KVH and available as part of a Garmin bridge package, offers 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. This rugged system is ideal for sportfishing boats or boats venturing offshore or to the islands.

| POWERED BY KVH | SATELLITE TV ANTENNA | WITH 30% GREATER RECEPTION THAN OTHER SYSTEMS | SUPPORTS MULTIPLE RECEIVER INSTALLATIONS |

ADDITIONAL SERIES FEATURES

- GTV6 Satellite TV Dome Ultra high-efficiency, 24" (60 cm) diameter antenna features proprietary KVH® RingFire™ technology for stronger signals, wider geographic coverage and better reception

- 18" (45 cm) diameter GTV5 Satellite TV Dome features proprietary KVH® RingFire™ technology for stronger signals, wider geographic coverage and better reception

- Supports DIRECTV® U.S., DISH Network®, Bell TV, Sky Mexico, Sky Italia, Sky U.K. and circular and linear Ku-band services worldwide

- Supports multiple receiver installations

- Low elevation angle for better tracking in northern latitudes

- Linear Universal Quad LNB configuration offers optional built-in GPS and autoskew

- The TV-Hub, a streamlined IP-enabled antenna control unit, enables automatic satellite switching

- User-friendly interface provides a wizard for easy installation and setup as well as system information at your fingertips from any smartphone, tablet, smart TV or computer

INSTRUMENTS

GNX™ 130 AND 120

GNX™ 130 Part no: 010-01396-00

GNX™ 120 Part no: 010-01395-00

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.

INSTRUMENTS

WIND SYSTEMS

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.

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.

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.

TD 50
Part no: 010-02139-10

The TD 50 touchscreen display is a compact 5" edge-to-edge glass display offering supplementary control, switching and instrumentation for onboard marine systems. It's compatible with the Garmin Marine Network and NMEA 2000®, as well as OneHelm™ and EmpirBus™ systems. Boaters can use the TD 50 to view and control engine and vessel data and adjust settings for lights, air conditioning, refrigeration, entertainment systems, security sensors, autopilots or any other information on the network.

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. 010-01227-00) 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

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, data filtering, north-up and course-up chart combos, true wind data fields, tide/current/time slider, polars and more. For sail racing, there are prerace guidance, synchronized race timer, virtual starting line, time to burn and lay line data fields[1].

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.

POLAR TABLE DATA

Support for polar table file handling enables your Garmin chartplotter to calculate the optimal wind angle for your sailboat to achieve its highest speed.

NORTH-UP / COURSE-UP COMBO

Set up a dual navigation chart combo showing north-up and course-up orientations. This simultaneous viewing enhances awareness for course direction and a broader positional location.

SAILING AUTO RESPONSE

Automatically adjusts the response setting, based on the sea and wind conditions. Response is lowered in calm conditions to prevent an overactive rudder — and it's raised in rough conditions to respond to wind and wave disturbances.

GNX™ WIRELESS WIND PACK
Part no.: 010-01616-10

GNX Wind and gWind Wireless 2.

GNX™ WIRELESS SAIL PACK 52
Part no.: 010-01616-40

GNX Wind, GNX 20, gWind Wireless 2 and DST810 (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.: 010-01248-70

GNX Wind, GNX 20, gWind, GND 10 and DST810 (depth, speed and temperature).

GMI WIRED START PACK 52
Part no.: 010-01248-80

GMI 20, gWind, GND 10 and DST810 (depth, speed and temperature).

[1]Requires compatible wind transducer (sold separately)
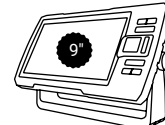
STRIKER™ VIVID SERIES

010-02550-00 4cv + transducer 010-02551-00 5cv + transducer 010-02552-00 7cv + transducer 010-02554-01 9sv + transducer
010-02553-00 7sv + transducer

See fish and structure in colorful detail with the easy-to-use STRIKER™ Vivid Series fishfinders. Available in screen sizes ranging from 4" to 9", these devices feature high-contrast color palettes with support for traditional and scanning sonar capabilities[1] to make it easier to see what's beneath the surface. Built-in high sensitivity GPS lets you mark your favorite fishing spots and easily navigate back to them.

FEATURED — STRIKER PLUS 7SV

| BRIGHT, SUNLIGHT-READABLE SCREEN WITH VIVID SCANNING SONAR COLOR PALETTES | AVAILABLE WITH TRANSDUCER FOR CHIRP TRADITIONAL, CLEARVÜ AND SIDEVÜ SCANNING SONAR | BUILT-IN GPS LETS YOU MARK WAYPOINTS, CREATE ROUTES AND VIEW BOAT'S SPEED | INCLUDES BUILT-IN QUICKDRAW CONTOURS MAPPING |

CHIRP TRADITIONAL
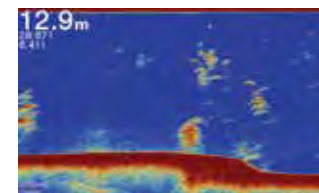
Crisp, clear CHIRP traditional sonar.

CLEARVÜ SCANNING SONAR

See images of what's under your boat.

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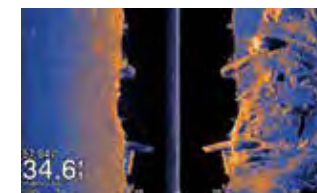
Get incredibly clear images of what's off to either side of your boat.

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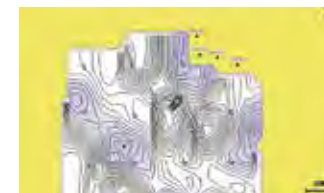
Create and store maps as you fish with 1' contours for up to 2 million acres.

THE LINEUP

	STRIKER 4	STRIKER Plus 4	STRIKER Vivid 4cv	STRIKER Vivid 5cv	STRIKER Vivid 7cv	STRIKER Vivid 7sv	STRIKER Vivid 9sv
	010-01550-00	010-01870-00	010-02550-00	010-02551-00	010-02552-00	010-02553-00	010-02554-01
Built-in GPS	•	•	•	•	•	•	•
Quickdraw Contours		•	•	•	•	•	•
Garmin CHIRP Traditional[1]	•	•	•	•	•	•	•
CHIRP ClearVü[1]			•	•	•	•	•
CHIRP SideVü[1]						•	•
Built-in Wi-Fi®					•	•	•
ActiveCaptain® App Compatible[1]					•	•	•
Transducer and Mounts Included	•	•	•	•	•	•	•

[1]Additional equipment (sold separately) and device pairing required • [2]Available on STRIKER Cast GPS model • Wi-Fi is a registered trademark of the Wi-Fi Alliance.

STRIKER™ CAST

Why guess where to find fish? See exactly where they're hiding with the durable STRIKER™ Cast series castable sonars. Just download the STRIKER Cast app, pair your compatible mobile device with the sonar and go fishing in minutes. Cast from shore, dock or watercraft, and reel back in to locate and display fish, wirelessly streaming sonar up to 200' to your smartphone or tablet.

» STREAMS LIVE SONAR | PAIR WITH COMPATIBLE APPLE® OR ANROID™ APPS[1] | UP TO 200' SONAR RANGE | 10+ HOURS BATTERY LIFE[2] «

SCAN FISH BY PHONE

Wirelessly stream sonar to view fish and structure up to 200' in any direction via the STRIKER™ Cast app on your compatible smartphone or tablet.

SELECTABLE MODES

Choose your views from easy-to-interpret traditional 2-D sonar and ice fishing flasher modes, with setting adjustments for gain, range and more.

QUICKDRAW CONTOURS

GPS model offers waypoint marking and Quickdraw Contours, letting you create and save your own fishing maps with 1' contours.

FISH ICONS
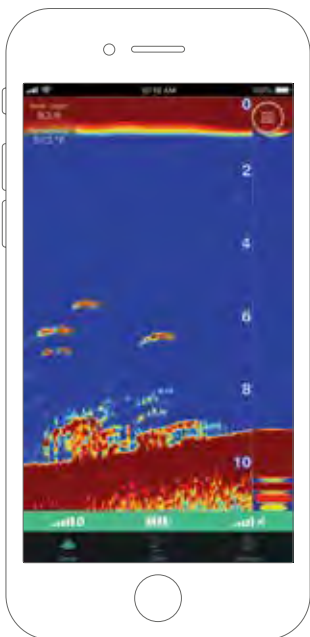
Turn on fish icons to view graphic images of fish targets and their depth readings so you'll know exactly where to drop your line.

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 14
GC 200
GC 100

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™ 14 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 14 Marine Camera	GC 200 Marine IP Camera	GC 100 Marine Camera
	010-02667-00	010-02164-00	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	720p
One-button Start-up			•
Pair Multiple Cameras		•	•
Connection to Chartplotter	Analog	IP	Wi-Fi®
Hardwired Power	12V	12V and POE	12V

Wi-Fi is a registered trademark of the Wi-Fi Alliance.

SURROUND VIEW SYSTEM

In tight maneuvering situations, the Garmin Surround View Camera System is a video guidance breakthrough. It's a fully integrated system of cameras that offers live bird's-eye view video monitoring for full 360-degree visibility around the boat from the helm. The video feed from the discreet, OEM factory-installed six-camera array seamlessly integrates with compatible Garmin chartplotters or MFD helm displays. The cameras also support situational awareness augmented reality features such distance markers (similar to automotive backup camera viewing) and a visual bumper that helps the captain see when docks or other objects breach preset barrier limits around the boat. Through-hull installation at the factory offers secure fit and calibration for reliable, low-maintenance operation.

| LIVE BIRD'S-EYE VIEW VIDEO | FULL 360-DEGREE WRAPAROUND VIEW | 6-CAMERA ARRAY ON BOARD | SLEEK IN-HULL OEM INSTALLATION |

SEEMLESS SITUATIONAL AWARENESS

The 360-degree video feed integrates with compatible Garmin chartplotters or MFD helm displays. Each camera view can also be monitored individually.

VISUAL BUMPER

A visual bumper feature helps the captain see when docks, piers or other objects breach preset barrier limits around the boat.

DISTANCE MARKERS

In tight maneuvering situations, distance markers around the boat provide visual cues to help maintain safe clearance and separation.

ENGINEERED FOR LOW MAINTENANCE

Thru-hull OEM installation offers secure fit and calibration of the Surround View Camera System. For easy maintenance, any of the cameras can be replaced externally.

WEARABLES AND HANDHELDS

QUATIX® 7 SERIES

Plot your paradise on the water and beyond with quatix 7, the multisport GPS marine smartwatch that has all the features you need on your boat and the ones you want off it. Your quatix 7 provides comprehensive connectivity with compatible Garmin chartplotters, Force® trolling motors and other devices[1] to offer autopilot control, Fusion Audio entertainment system control, sail racing assistance, integrated tide data on the watch face and much more. The watch comes in Classic, Solar and Pro editions — all of which let you enjoy full control of your boat from your wrist. All quatix 7 series watches feature an intuitive touchscreen interface, and the Solar and Pro editions add an ultrabright, high-resolution AMOLED color display.

| COMPREHENSIVE BOAT CONNECTIVITY | COMPATIBLE WITH SELECT GARMIN DEVICES | 24/7 HEALTH MONITORING AND SMART NOTIFICATIONS[1] | USE TRADITIONAL BUTTON CONTROLS OR TOUCHSCREEN INTERFACE | BUILT-IN WAKE SPORTS ACTIVITY PROFILES FOR WATER SKIING, WAKEBOARDING, WAKE SURFING AND TUBING |

AUTOPILOT CONTROL[2]

Access the autopilot app for control from your wrist: change heading, engage pattern steering, follow a GPS route and more.

DATA STREAMING

Wirelessly connect with compatible devices to stream data — water depth, engine RPM, wind, custom inputs and more — directly onto your wrist.

MARINE CHARTS

Never lose sight of where you are. Your quatix watch can support optional BlueChart® g3 coastal charts and LakeVü™ inland maps.

SPORTS AND ADVENTURES

Built-in activity profiles let you track your pursuits on water and land, including golf, hiking, paddleboarding, kayaking and more.

MEDIA CONTROL

Play your favorite tunes and control your onboard entertainment system with the built-in Fusion Audio app.

THE LINEUP

	quatix 7 Standard 010-02540-60	quatix 7 Pro 010-02803-80	quatix 7X Solar 010-02541-60
Bezel and Band	Stainless steel with blue silicone band	Titanium with silicon band	Titanium with titanium band
Lens Material	Corning® Gorilla® Glass DX	Sapphire crystal	Power Glass™ Solar-charging Lens
Display Type	MIP	AMOLED	MIP
Connectivity	BLUETOOTH®, ANT+®, Wi-Fi®	BLUETOOTH®, ANT+®, Wi-Fi®	BLUETOOTH®, ANT+®, Wi-Fi®
Battery Life	Up to 18 days in smartwatch mode; up to 57 hours in GPS mode	Up to 16 days in smartwatch mode; up to 42 hours in GPS mode	Up to 28 days in smartwatch mode, with up to an additional 9 days when solar charging; up to 89 hours in GPS mode, with up to an additional 33 hours when solar charging[3]
Water Rating	10 ATM	10 ATM	10 ATM
Built-in LED Flashlight	No	Yes	Yes

MARQ® CAPTAIN

Whether you own the cup or are inspired by those who do, MARQ Captain shows your passion for life at sea. It is the modern tool watch with advanced nautical and smart features that one simply won't find in a traditional timepiece. Featuring a dual-color nautical design, It's built from grade-5 titanium to be lighter and stronger, with a stunning new 1.2" AMOLED touchscreen display and domed sapphire lens. Set your preferred wind speed and see a forecast on your watch face, so you know what day you should take to the high seas. This is the watch for those who live life at the helm.

| ENDURING MATERIALS | AUTOPILOT CONTROL | PAIRS WITH SELECT GARMIN CHARTPLOTTERS | REGATTA TIMER | TACK ASSIST | SAIL EXPEDITION |

GPSMAP® 73 AND GPSMAP® 79 SERIES

Boaters and watersport enthusiasts everywhere swear by GPSMAP 73, 79s and 79sc handhelds. They float! The 79 series features bright 2.6" LCD color displays with built-in worldwide basemaps and a special MOB (man overboard) button. 79sc model also comes with preloaded U.S. coastal charts. The GPS 73 includes SailAssist features, including virtual starting line, heading line, countdown timers and tack assist.

GPSMAP 73   **GPSMAP 79S**   **GPSMAP 79SC**

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**

Cast off confidently with the GPSMAP 86 series marine handhelds. These premium, floating navigators have a sunlight-readable 3" color display plus preloaded BlueChart® g3 coastal charts. Wireless connectivity makes them a virtual extension of your onboard marine system, allowing you to stream boat data from compatible chartplotters and instruments. These units can also function as a remote control for your Garmin autopilot and Fusion® marine audio products. The GPSMAP 86i and GPSMAP 86sci versions feature inReach® satellite technology[1] to provide 100% global coverage for two-way messaging, interactive SOS and off-grid peace of mind.

THE LINEUP

	GPSMAP 73	GPSMAP 79s	GPSMAP 79sc	GPSMAP 86s	GPSMAP 86sc	GPSMAP 86i	GPSMAP 86sci	GPSMAP 276CX
	010-01504-00	010-2635-00	010-2635-02	010-02236-00	010-00864-02	010-02236-00	010-02235-00	010-01607-00
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/Favs/Locations	1,000	2,000	2,000	10,000	10,000	10,000	10,000	10,000
Routes	50	200	200					250
inReach® Satellite Technology[1]						•	•	
Memory/History		1.7 GB	1.7 GB	16 GB	16 GB	16 GB	16 GB	8 GB
Battery Life	18 hours	20 hours	20 hours	40 hours	40 hours	35 hours	35 hours	16 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	Tilt-compensated 3-axis
Barometric Altimeter		•	•	•	•	•	•	•

INREACH® MESSENGER

Providing global two-way messaging and interactive SOS, the inReach Messenger satellite communicator keeps you connected with friends and family even when you're out of cell coverage[1]. Texting and group messaging is easy when using the Garmin Messenger™ app. Or send/receive messages by using compatible Garmin handhelds, wearables or other devices. Seamless switching between Wi-Fi® wireless networking, cellular and satellite networks gives you the best connectivity and cost-efficiency for all your communications.

INREACH® MINI 2 MARINE BUNDLE

The inReach Mini 2 Marine bundle puts the rugged, compact inReach Mini 2 satellite communicator on your boat for interactive SOS, two-way messaging and basic navigation via the global Iridium® network[1]. 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 14 days of battery life in 10-minute tracking mode.

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[1] delivered straight to your Garmin chartplotter. Enjoy high-quality entertainment with more than 150 channels of SiriusXM satellite radio[1]. Fish Mapping™ for suggested potential hot spots based on concentrations of popular species.

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.

MSC 10 MARINE SATELLITE COMPASS
Part no: 010-02407-00

With multi-band GNSS and a fully integrated attitude and heading reference system, this satellite compass ensures a smooth and accurate GPS-derived heading and position on the water. It will also deliver precise pitch, roll and heave information — even in rough seas — to a compatible Garmin chartplotter (sold separately) via the NMEA 2000® network.

GNA 10 JOG LEVER ADAPTER
Part no: 010-13007-00

Explore coastal waters with the GPS 24xd position receiver and antenna. Get precise location to within 1 meter with dual-frequency band GPS and heading accuracy even at slow speeds with magnetic heading sensors. System-compatible antenna versions are available for both NMEA 2000 and NMEA 0183.

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.

STEADYCAST™ HEADING SENSOR
Part no: 010-11417-10

The 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.

GPS 24XD RECEIVER
Part no: 010-01010-00

Explore coastal waters with the GPS 24xd position receiver and antenna. Get precise location to within 1 meter with dual-frequency band GPS and heading accuracy even at slow speeds with magnetic heading sensors. System-compatible antenna versions are available for both NMEA 2000® and NMEA 0183.

ACCESSORIES

GHC™ 50 CONTROL UNIT
Part no: 010-02731-00

Control your autopilot with up to three GHC 50 autopilot helm controller units. Compatible with all Garmin autopilots, for both motor- and sailboats.

GARMIN USB CARD READER
Part no: 010-02251-10

Save space on your helm with the compact, water-resistant SD™ card reader. It holds two full-size SD cards for quick access to charts, software updates and ActiveCaptain® data. Featuring a 2"x 2" footprint, flush mounting and USB connection to the back of your chartplotter, this card reader easily integrates into a crowded dash or elsewhere at the helm.

REACTOR™ 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.

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.
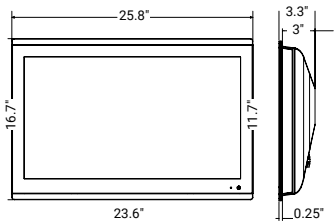
MFD Chartplotters

	GPSMAP 9227/9027	GPSMAP 9224/9024	GPSMAP 9222/9022	GPSMAP 9219/9019	GPSMAP 8624/8424	GPSMAP 8622/8422	GPSMAP 8617/8417
Display Size (diagonal)	27"	24"	22"	19"	24"	22"	17"
Display Type and Resolution (pixels)	4k - 3840 x 2160	4k - 3840 x 2160	4k - 3840 x 2160	4k - 3840 x 2160	WUXGA - 1920 x 1200	FHD - 1920 x 1080	WUXGA - 1920 x 1200
Touch- or Keyed Panel	Multitouch	Multitouch	Multitouch	Multitouch	Multitouch	Multitouch	Multitouch
GPS Receiver	10 Hz GPS/GLONASS, external	10 Hz GPS/GLONASS, external	10 Hz GPS/GLONASS, external	10 Hz GPS/GLONASS, external	10 Hz GPS/GLONASS, external	10 Hz GPS/GLONASS, external	10 Hz GPS/GLONASS, external
Standard GPS Antenna	External	External	External	External	External	External	External
Number of Waypoints	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Number of Routes	100	100	100	100	100	100	100
J1939 Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Garmin SmartMode™	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Digital Switching support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NMEA 2000® Compatible	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NMEA 0183 Compatible	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Garmin Marine Network Compatible	Garmin BlueNet™ 30 gateway required	Garmin BlueNet™ 30 gateway required	Garmin BlueNet™ 30 gateway required	Garmin BlueNet™ 30 gateway required	Yes	Yes	Yes
Preloaded Map	Garmin Navionics+™/Worldwide Basemap	Garmin Navionics+™/Worldwide Basemap	Garmin Navionics+™/Worldwide Basemap	Garmin Navionics+™/Worldwide Basemap	Garmin Navionics+™/Worldwide Basemap	Garmin Navionics+/Worldwide Basemap	Garmin Navionics+/Worldwide Basemap
Garmin Navionics Vision+™ Compatible	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Auto Guidance+	Included/Compatible	Included/Compatible	Included/Compatible	Included/Compatible	Yes	Yes	Yes
ActiveCaptain® Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sailing Features	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wi-Fi® and ANT® Wireless Technology	Yes, built-in	Yes, built-in	Yes, built-in	Yes, built-in	Yes, built-in	Yes, built-in	Yes, built-in
GRID™ 20 (Garmin Remote Input Device) Compatible	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FLIR® and Axis® IP Camera Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fusion-Link™ Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Video Input	1 BNC composite 2 HDMI (HDCP compliant)	1 BNC composite 2 HDMI (HDCP compliant)	1 BNC composite 2 HDMI (HDCP compliant)	1 BNC composite 2 HDMI (HDCP compliant)	1 BNC composite 1 HDMI (HDCP compliant)	1 BNC composite 1 HDMI (HDCP compliant)	1 BNC composite 1 HDMI (HDCP compliant)
Video Output	1 HDMI	1 HDMI	1 HDMI	1 HDMI	1 HDMI	1 HDMI	1 HDMI
AIS and DSC Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sonar Module Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Supported Frequency (sonar)	Dependent on optional sonar module	Dependent on optional sonar module	Dependent on optional sonar module	Dependent on optional sonar module	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	Dependent on optional sonar module	Dependent on optional sonar module	Dependent on optional sonar module	Dependent on optional sonar module
Live Sonar Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Data Card Slots	2 SD™ cards	2 SD™ cards	2 SD™ cards	2 SD™ cards	2 SD™ cards (requires optional card reader)	2 SD™ cards (requires optional card reader)	2 SD™ cards (requires optional card reader)
Water Rating	IPX7	IPX7	IPX7	IPX7	IPX7	IPX7	IPX7
Mounting Options	Flat or Flush	Flat or Flush	Flat or Flush	Flat or Flush	Flat or Flush	Flat or Flush	Flat or Flush
Power Supply	10-35 V	10-35 V	10-35 V	10-35 V	10-35 V	10-35 V	10-35 V
Typical Current Draw at 12 Vdc	7.2 A	6.5 A	5.2 A	4.6 A	6.1 A	3.9 A	2.8 A
Connections	Built-in wireless connectivity NMEA 2000: 1 port NMEA 0183: 4 in and 2 out Garmin BlueNet network Ports: 4 Garmin Marine network: 0 ports USB: 2 ports (USB-C) Video in: 1 BNC composite & 2 HDMI (HDCP compliant), Video out: 1 HDMI J1939: 1 port	Built-in wireless connectivity NMEA 2000: 1 port NMEA 0183: 4 in and 2 out Garmin BlueNet network Ports: 4 Garmin Marine network: 0 ports USB: 2 ports (USB-C) Video in: 1 BNC composite & 2 HDMI (HDCP compliant), Video out: 1 HDMI J1939: 1 port	Built-in wireless connectivity NMEA 2000: 1 port NMEA 0183: 4 in and 2 out Garmin BlueNet network Ports: 4 Garmin Marine network: 0 ports USB: 2 ports (USB-C) Video in: 1 BNC composite & 2 HDMI (HDCP compliant), Video out: 1 HDMI J1939: 1 port	Built-in wireless connectivity NMEA 2000: 1 port NMEA 0183: 4 in and 2 out Garmin BlueNet network Ports: 4 Garmin Marine network: 0 ports USB: 2 ports (USB-C) Video in: 1 BNC composite & 2 HDMI (HDCP compliant), Video out: 1 HDMI J1939: 1 port	Built-in wireless connectivity NMEA 2000: 1 port NMEA 0183: 4 in and 2 out Marine network: 4 ports USB: 1 port Video in: 1 BNC composite and 1 HDMI (HDCP compliant), Video out: 1 HDMI, J1939: 1 port	Built-in wireless connectivity NMEA 2000: 1 port NMEA 0183: 4 in and 2 out Marine network: 4 ports USB: 1 port Video in: 1 BNC composite and 1 HDMI (HDCP compliant), Video out: 1 HDMI, J1939: 1 port	Built-in wireless connectivity NMEA 2000: 1 port NMEA 0183: 4 in and 2 out Marine network: 4 ports USB: 1 port Video in: 1 BNC composite and 1 HDMI (HDCP compliant), Video out: 1 HDMI, J1939: 1 port

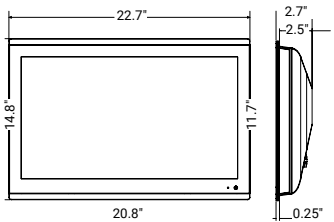# Chartplotters and Combos

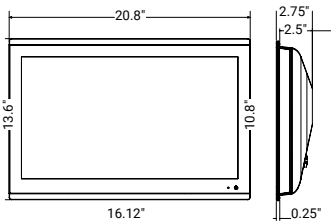|	GPSMAP 8610	GPSMAP 8610xsv	GPSMAP 8612	GPSMAP 8612xsv	GPSMAP 8616	GPSMAP 8616xsv
Display Size (diagonal)	10"	10"	12"	12"	16"	16"
Display Type and Resolution (pixels)	WUXGA - 1920 x 1200	WUXGA - 1920 x 1200	FHD - 1920 x 1080	FHD - 1920 x 1080	FHD - 1920 x 1080	FHD - 1920 x 1080
Touch- or Keyed Panel	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	Garmin Navionics+™	Garmin Navionics+	Garmin Navionics+	Garmin Navionics+	Garmin Navionics+	Garmin Navionics+
Garmin Navionics Vision+™ Compatible	Yes	Yes	Yes	Yes	Yes	Yes
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)[1]		40 kHz-250 kHz CHIRP, 260/455/800/1200 kHz CHIRP scanning (ClearVü and SideVü)		40 kHz-250 kHz CHIRP, 260/455/800/1200 kHz CHIRP scanning (ClearVü and SideVü)		40 kHz-250 kHz CHIRP, 260/455/800/1200 kHz CHIRP scanning (ClearVü and SideVü)
Transmit Power		1 kW traditional, 1 kW CHIRP		1 kW traditional, 1 kW CHIRP		1 kW traditional, 1 kW CHIRP
Live Sonar 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 NMEA 2000: 1 port J1939 NMEA 0183: 1 port Marine Network: 2 ports Video in: 1 BNC, 1 HDMI Video out: 1 HDMI USB	Built-in wireless connectivity NMEA 2000: 1 port J1939 NMEA 0183: 1 port Marine Network: 2 ports Video in: 1 BNC, 1 HDMI Video out: 1 HDMI USB	Built-in wireless connectivity NMEA 2000: 1 port J1939 NMEA 0183: 1 port Marine Network: 2 ports Video in: 1 BNC, 1 HDMI Video out: 1 HDMI USB	Built-in wireless connectivity NMEA 2000: 1 port J1939 NMEA 0183: 1 port Marine Network: 2 ports Video in: 1 BNC, 1 HDMI Video out: 1 HDMI USB	Built-in wireless connectivity NMEA 2000: 1 port J1939 NMEA 0183: 1 port Marine Network: 2 ports Video in: 1 BNC, 1 HDMI Video out: 1 HDMI USB	Built-in wireless connectivity NMEA 2000: 1 port J1939 NMEA 0183: 1 port Marine Network: 2 ports Video in: 1 BNC, 1 HDMI Video out: 1 HDMI USB

GPSMAP 9227/9027
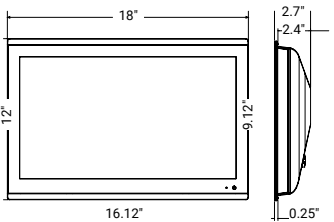25.8" — 3.3"/3" — 16.7" — 11.7" — 23.6" — 0.25"

GPSMAP 9224/9024
22.7" — 2.7"/2.5" — 14.8" — 11.7" — 20.8" — 0.25"

GPSMAP 9222/9022
20.8" — 2.75"/2.5" — 13.6" — 10.8" — 16.12" — 0.25"

GPSMAP 9219/9019
18" — 2.7"/2.4" — 12" — 9.12" — 16.12" — 0.25"

Combos

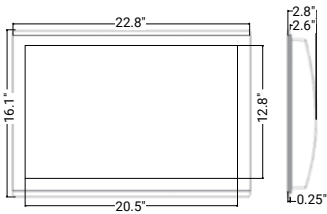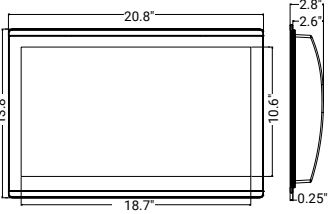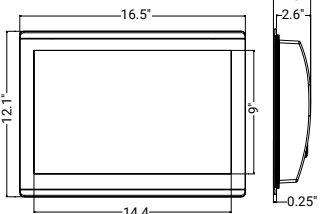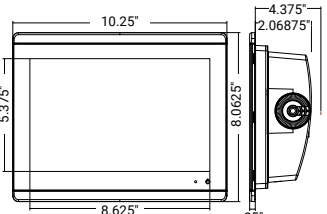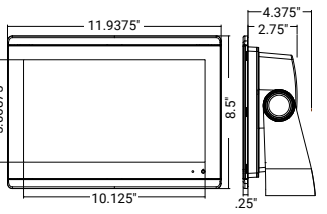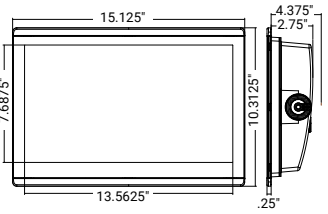|	GPSMAP 1242xsv/1242 and GPSMAP 1042xsv/1042	GPSMAP 1643xsv/1643 and GPSMAP 1243xsv/1243 and GPSMAP 943xsv/943 and GPSMAP 743xsv/743	ECHOMAP Ultra 2 106sv/106 and ECHOMAP Ultra 2 126sv/126	ECHOMAP UHD2 52cv/53cv/54cv and ECHOMAP UHD2 72cv/73cv/74cv	ECHOMAP UHD2 62sv/63sv/64sv/65sv and ECHOMAP UHD2 72sv/73sv/74sv/75sv and ECHOMAP UHD2 92sv/93sv/94sv/95sv
Display Size (diagonal)	12" (1242xsv/1242) 10" (1042xsv/1042)	16" (1643xsv/1643) 12" (1243xsv/1243) 9" (943xsv/943) 7" (743xsv/743)	16" (1643xsv/1643) 12" (126xs/126) 10" (106xs/106)	5" and 7"	6", 7", 9"
Display Type and Resolution (pixels)	WXGA - 1280 x 800 (1242xsv/1242) WSVGA - 1024 x 600 (1042xsv/1042)	FHD - 1920 x 1080 (1643xsv/1643) WXGA - 1280 x 800 (1243xsv/1243) WXGA - 1280 x 720 (943xsv/943) WSVGA - 1014 x 600 (743xsv/743)	WXGA, ISP 1280 x 800	WVGA - 800 x 480	9" - 1024 x 600 6" / 7" - 800 x 480
Touch or Keyed Panel	Keyed	Multitouch	Touchscreen with keyed assist	Keyed	Touchscreen with keyed assist
GPS Receiver	10 Hz GPS/GLONASS, internal	10 Hz GPS/GLONASS, internal	10 KHZ, Multiband, Internal	5 Hz GPS/GLONASS, internal	10 KHZ, Multiband, 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	No	Yes
NMEA 0183 Compatible	Yes	Yes	No	No	No
Garmin Marine Network Compatible	Yes	Yes	Yes	Yes	Yes
OneHelm	No	Yes	Yes	No	No
Wireless Networking	No	No	Yes	Yes	Yes
Preloaded Map	Garmin Navionics+™	Garmin Navionics+	Garmin Navionics+	Garmin Navionics+	Garmin Navionics+
Garmin Navionics+™/Vision+™ Compatible	Yes	Yes	Yes	Yes	Yes
Auto Guidance+	Yes	Yes	Yes	Downloadable via Active Captain	Downloadable via Active Captain
ActiveCaptain® Support	Yes	Yes	Yes	Yes	Yes
SailAssist	Yes	Yes	Yes	Yes	Yes
Wi-Fi® Wireless Connectivity	Yes	Yes	Yes	Yes	Yes
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	No	No
Video Input/Output	1 BNC	1 BNC Video Output: 1 HDMI 12" and 16"	No	No	No
AIS and DSC Support	Yes	Yes	Yes	No	No
Traditional HD ID 77/200	Yes (xsv)	Yes (xsv)	Yes	Yes	Yes
Traditional HD ID 50/200	Yes (xsv)	Yes (xsv)	Yes	Yes	Yes
Traditional CHIRP	Yes (xsv)	Yes (xsv)	Yes	Yes	Yes
CHIRP ClearVü	Yes (xsv)	Yes (xsv)	Yes	Yes	Yes
CHIRP SideVü	Yes (xsv)	Yes (xsv)	Yes	No	Yes
Dual-channel CHIRP	No	No	No	No	No
Ultra High-Definition Scanning Sonar	No	Yes	Yes	Yes	Yes
Optional Sonar Support	Yes	Yes	Yes	No	No
Internal Sonar Sharing	Yes (xsv)	Yes (xsv)	Yes, wireless with another UHD2 or Ultra 2	Yes, wireless with another UHD2 or Ultra 2	Yes, wireless with another UHD2 or Ultra 2
Transmit Power	1 kW traditional, 1 kW CHIRP (xsv)	1 kW traditional, 1 kW CHIRP (xsv)	600 W	Up to 500 W (RMS)	Up to 500 W (RMS)
Live Sonar Support	Yes	Yes	Yes	No	Yes
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	3.61 A/2.9 A (16") 2.2 A (12") 1.8 A (9") 1.5 A (7")	2.2 A (106xs/106) 2.5 A (126xs/126	1.95 A	1.52 A
Connections	Built-in wireless connectivity NMEA 2000: 1 port NMEA 0183: 1 port Marine Network: 2 ports Video in: 1 BNC	Built-in wireless connectivity USB: 1 port, NMEA 2000: 1 port, NMEA 0183: 1 port Marine Network: 2 ports (16" and 12") 1 port (9" and 7") Video in: 1 BNC J1939 (16" and 12")	NMEA 2000: 1 port NMEA 0183: 1 in and 1 out Marine Network: 2 ports	N/A	NMEA 2000: 1 port NMEA 0183: 1 in and 1 out Marine Network: 1 port

GPSMAP 8624

22.8" · 16.1" · 20.5" · 2.8" · 2.6" · 12.8" · 0.25"

GPSMAP 8622

20.8" · 13.8" · 18.7" · 2.8" · 2.6" · 10.6" · 0.25"

GPSMAP 8617

16.5" · 12.1" · 14.4" · 2.8" · 2.6" · 9" · 0.25"

GPSMAP 8610/8610XSV

10.25" · 5.375" · 8.625" · 4.375" · 2.06875" · 8.0625" · .25"

GPSMAP 8612/8612XSV

11.9375" · 5.06875" · 10.125" · 4.375" · 2.75" · 8.5" · .25"

GPSMAP 8616/8616XSV

15.125" · 7.6875" · 13.5625" · 4.375" · 2.75" · 10.3125" · .25"

GPSMAP 1242 SERIES

14.1" · 2.6" · 8.9"

GPSMAP 1042 SERIES

12.5" · 2.6" · 7.3"

GPSMAP 1643/1643XSV

15.1" · 13.6" · 10.5" · 7.7" · 3.1" · 2.8"

GPSMAP 1243/1243XSV

12.1" · 10.3" · 8.9" · 6.4" · 3.3" · 2.9"

GPSMAP 943/943XSV

9.2" · 7.8" · 4.4" · 6.4" · 3" · 2.7"

GPSMAP 743/743XSV

7.6" · 6.1" · 5.5" · 3.4" · 2.9" · 2.6"

ECHOMAP ULTRA 2 126/122SV

13.4375" · 10.3125" · 6.4375" · 9" · 9.5" · 5.4375" · 3.0875"

ECHOMAP ULTRA 2 106/102SV

10.1875" · 8.625" · 3.0625" · 2.5625" · 1.1875" · 5.125" · 5.3125" · 6.3125"
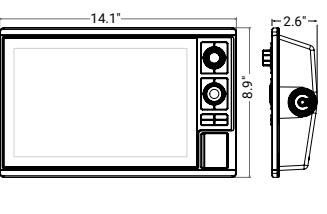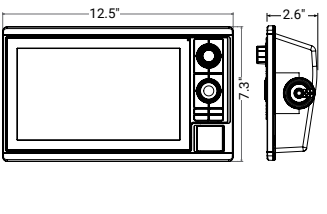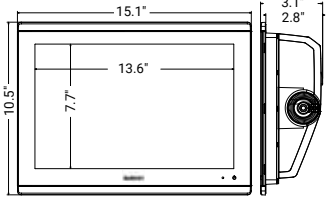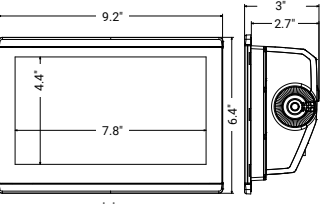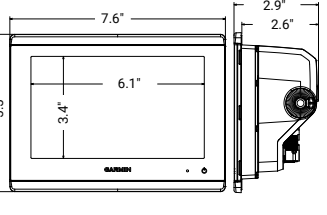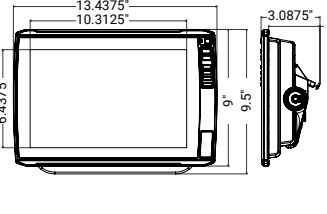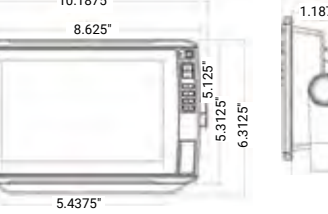
UHD2 94SV/93SV/92SV

10.37" · 4.44" · 7.84" · 2.56" · 2.14" · 6.49"
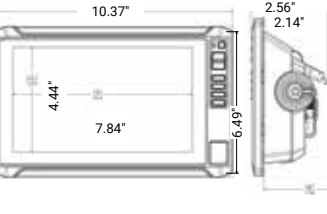
ECHOMAP UHD2 74CV/73CV/72CV

9.56" · 2.44" · 1.44" · 6.125"
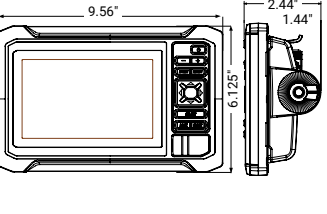
ECHOMAP UHD2 54CV/53CV/52CV

7.19" · 2.56" · 4.31" · 4.81" · 2.44" · 1.44"

ECHOMAP PLUS 44CV/43CV

4.03" · 2.16" · 3.79" · 8.03" · 3.14"

GARMIN GRID 20

5.5625" · .375" · 2.1875" · 1.0625" · 2.6875"
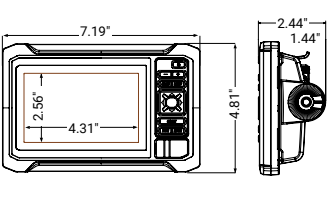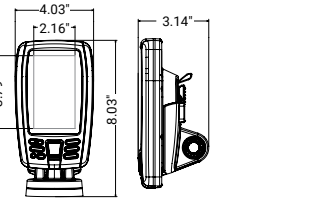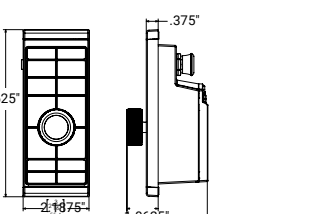
Instruments

	GMI 20	GNX WInd GNX 20 and GNX 21	GNX 120	GNX 130
Bonded Display	Yes	Yes	Yes	Yes
Display Type	Color, QVGA	21-inverted LCD, monochrome 20-standard LCD, monochrome	Inverted LCD, monochrome	Inverted LCD, monochrome
Physical Size (WxH)	4.33" x 4.53" x 1.18" (110 mm x 115 mm 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	230 g	380 g	820 g
Digit Height	1.93" / 49 mm	1.43" / 35 mm (GNX20/21)	2.0" / 51 mm	2.8" / 72 mm
Display Size	4.0" / 102 mm	4.0" / 102 mm	6.3" / 159 mm	9.3" / 236 mm
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), 450 mW (no backlight)	360 mW (no backlight), 400 mW (no backlight)	360 mW (no backlight), 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)

Instruments

	GHC 50 Autopilot Control	TD 50
Dimensions	5.5" x 4.1" x 2.0" (14.0 x 10.5 x 5.1 cm)	5.5" x 4.1" x 2.0" (14.0 x 10.5 x 5.1 cm)
Display Type	800 x 480 WVGA	800 x 480 WVGA
Display Size	5"	5"
Knob Control	With Grid 10/20	With Grid 10/20
Power Consumption (typical LEN)	2.6 W/13	2.6 W/13
Remote Control via ANT	Yes	Yes
Wi-Fi Connectivity	Yes	Yes
Touch Display	Yes	Yes
Sunlight Visible	Yes	Yes
NMEA 2000	Yes	Yes
Operating Temp	5°F to 131°F / -15°C to 55°C	5°F to 131°F / -15°C to 55°C
Ethernet	Yes	Yes
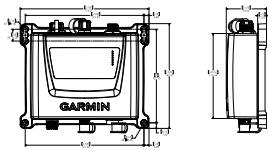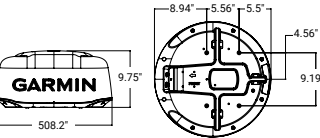
GHC 50
2.57"
4.125"
5.5"
0.31"
2.125"

GMI 20 AND GNX 20/21/WIND
4.54"
0.61"
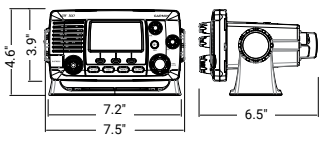4.34"
1.19"

GNX 120
4.54"
6.74"
7.11"
1.20"

GNX 130
6.04"
9.34"
9.80"
1.25"

AIS 800

VHF SERIES
4.6"
3.9"
7.2"
7.5"
6.5"

GMR FANTOM SERIES
51.2" (FANTOM 254/124/54)
74.6" (FANTOM 256/126/56)
16"
11.25"
14.32"
13"
16.5"

GMR XHD3 SERIES
GMR 434: 52.2" // GMR 1234: 52.2"
GMR 1236: 76.5" // GMR 2534: 52.2"
GMR 2526: 73.18"
17.72"
2"
12.87"
4.80"
12.52"

GMR DOME SERIES
8.94"
5.56"
5.5"
4.56"
9.75"
9.19"
508.2"
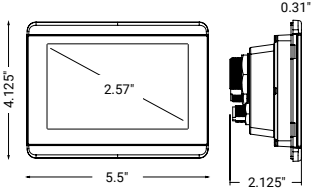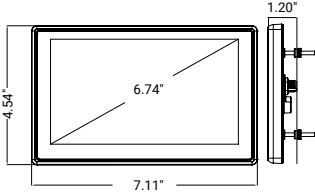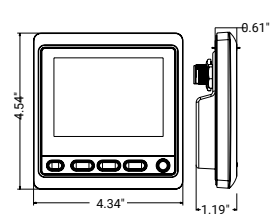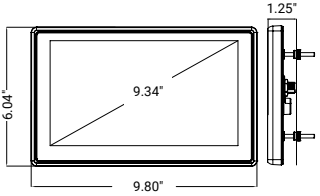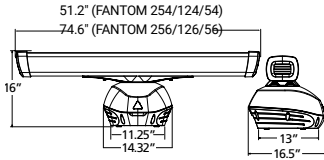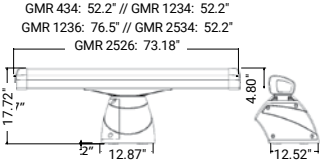
AIS and VHF

	AIS 800	CORTEX M1	VHF 115	VHF 215	VHF 215 AIS	CORTEX V1	VHF 315
Display Size, Diagonal			2.5"	3.2"	3.2"	4" Color	2" (GHS 11)
Adjustable Backlighting			Yes	Yes	Yes	Yes	Yes (GHS 11)
Class D DSC with Distress and Position Polling			Yes	Yes	Yes	Yes	Yes
Transmitter Power Output	5 W / 2 W	5 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 (GHS 11)
ATIS Compatible			Yes	Yes	Yes	Yes	Yes
NMEA 2000® Interface	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NMEA 0183® Interface	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Supports Handset		Yes (Cortex H1 & H1P)		Yes (GHS 11)	Yes (GHS 11)	Yes (Cortex H1 & H1P)	Yes, up to 3 (GHS 11), 1 included
Intercom (requires GHS 11)				Yes	Yes	Yes	Yes
Hailer/Foghorn Compatible		Yes		Yes	Yes	Yes	Yes
Internal GPS Receiver	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Internal GPS Antenna	Yes			Yes	Yes	Yes	
External GPS Options	Antenna	Antenna	Antenna NMEA 2000 NMEA 0183	Antenna NMEA 2000 NMEA 0183	Antenna NMEA 2000 NMEA 0183	Antenna	Antenna
AIS Receiver	Yes	Yes			Yes	Yes	
AIS Transponder	Class B SOTDMA	Class B SOTDMA				Class B CSTDMA	Class B SOTDMA
Remote Monitoring		Yes				Yes	
Integral VHF Antenna Splitter	Yes	Yes				Yes	

Radars

	GMR Fantom 254/256	GMR Fantom 124/126	GMR Fantom 54/56	GMR 2536/1236/436 xHD3 GMR 2534/1234/434 xHD3	GMR Fantom 24x/18x	GMR 24 xHD3/18 xHD3	GMR 18HD3
Available in Black	Yes	Yes	Yes	No	Yes	No	No
Transmit Power	250 watts	120 watts	120 watts	25 kW/12 kW/4 kW	40 watts	4 kW	4 kW
Dimensions (diameter)	1928 mm (Fantom 256) 1328 mm (Fantom 254)	1928 mm (Fantom 126) 1328 mm (Fantom 124)	1928 mm (Fantom 56) 1328 mm (Fantom 54)	1938 mm (GMR 2536) 1325 mm (GMR 2534)	645 mm (Fantom 24x) 508 mm (Fantom 18x)	645 mm (24 xHD3) 508 mm (18 xHD3)	508 mm
Rotation Speed (revolutions/min)	24 and 48	24 and 48	24 and 48	24 and 48	24 and 48	Up to 60 rpm, depending on settings	24
Weight	23,6 kg (Fantom 256) 21,3 (Fantom 254)	23,6 kg (Fantom 126) 21,3 (Fantom 124)	23,6 kg (Fantom 56) 21,3 (Fantom 54)	30.4 kg (GMR 2536) 28,4 (GMR 2534)	9,5 kg (Fantom 24x) 7,7 kg (Fantom 18x)	8.7 kg (24 xHD3) 7.0 kg (18 xHD3)	7.0 kg
Horizontal Beamwidth	1.25° (Fantom 256) 1.8° (Fantom 254)	1.25° (Fantom 126) 1.8° (Fantom 124)	1.25° (Fantom 56) 1.8° (Fantom 54)	1.1° (GMR 2536) 1.8° (GMR2534)	3.7° (Fantom 24x) 5.2° (Fantom 18x)	3.7° (24 xHD3) 5.2° (18 xHD3)	5.2°
Vertical Beamwidth	23°	23°	23°	23°	25°	25°	25°
Maximum/Minimum Range	96 nautical miles/6 m	96 nautical miles/6 m	72 nautical miles/6 m	96 nm/20 m (2526) 72 nautical miles/20 m (434/436)	48 nautical miles/6 meters	48 nautical miles/20 meters	36 nautical miles/20 meters
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 - 32V	11 - 32 V
Power Consumption (typical)	80 W	80 W	80 W	70 W (25 kW), 70 W (12 kW), 55 W (4 kW)	18.1-24.4 W (dependent on range setting)	40 W	40 W
Power Consumption (standby)	10 W	10 W	10 W	18 W	3 W	15 W	15 W
Max Wind Load	80kt	80kt	80kt	12/25kW: 100kt 4kW: 80 knot[1]			
Temperature Range	-15 to 55C	-15 to 55C	-15 to 55C	-15 to 55C	-15 to 55C	-25 to 70C	-25 to 70C
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, Adjustable	Heading-corrected, Adjustable	Heading-corrected, Adjustable	True	Heading-corrected, Adjustable	True	No
Dual Range	Yes	Yes	Yes	Yes	Yes	Yes	No

Fishfinders

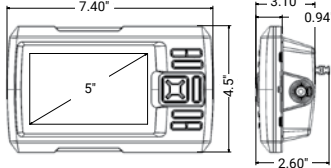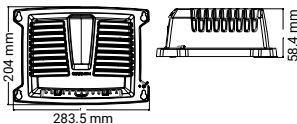|	STRIKER Vivid 9sv	STRIKER Vivid 7cv/sv	STRIKER Vivid 5cv	STRIKER Vivid 4cv
Display Size (diagonal)	9.0"	7.0"	5.0"	4.0"
Display Resolution	800 x 480 WVGA	800 x 480 WVGA	800 x 480 WVGA	480 x 320 HVGA
Internal High-sensitivity GPS	Yes	Yes	Yes	Yes
Built-in Quickdraw	Yes	Yes	Yes	Yes
Built-in Wi-Fi®	Yes	Yes	No	No
CHIRP Traditional Sonar	Yes	Yes	Yes	Yes
Dual Frequency (50/200 kHz)	Yes	Yes	Yes	Yes
Dual Beam (77/200 kHz)	Yes	Yes	Yes	Yes
CHIRP ClearVü	Yes	Yes (7sv with optional transducer)	Yes	Yes
CHIRP SideVü	Yes	N/A	No	No
Included Transducer	CV52HW-TM (High Wide CHIRP/ClearVü/SideVü)	CV20-TM (CHIRP/ClearVü)	CV20-TM (CHIRP/ClearVü)	CV20-TM (CHIRP/ClearVü)
Transmit Power – Included Transducer	250 W Trad 350 W ClearVü/SideVü	500 W Trad 500 W ClearVü	500 W Trad 500 W ClearVü	300 W Trad 300 W ClearVü
Frequencies Supported (kHz)	High-Wide CHIRP (150-240 kHz) ClearVü/SideVü (455/800 kHz)	CHIRP (77/200 kHz) ClearVü (455/800 kHz)	CHIRP (77/200 kHz) ClearVü (455/800 kHz)	CHIRP 77/200 kHz ClearVü (455/800 kHz)
Maximum Depth Capabilities with Included Transducer[1]	800 ft (traditional) 250 ft (ClearVü) 500 ft Left/Right (SideVü)	2,300 ft (traditional) 250 ft (ClearVü)	2,300 ft (traditional) 250 ft (ClearVü)	1,750 ft (traditional) 250 ft (ClearVü)
Waypoints	5,000	5,000	5,000	5,000
Audible Alarms	Yes	Yes	Yes	Yes
User Data Sharing Cable Compatible	Yes	Yes	Yes	Yes
Water Temperature Log/Graph	Yes	Yes	Yes	Yes
GPS Speed	Yes	Yes	Yes	Yes
Flasher	Yes	Yes	Yes	Yes

STRIKER VIVID 9SV
9.30" · 7" · 5.5" · 2.30" · 1.10"

STRIKER VIVID 7CV/SV
7.40" · 5" · 4.5" · 3.10" · 0.94" · 2.60"

STRIKER VIVID 5CV
7.40" · 5" · 4.5" · 3.10" · 0.94" · 2.60"

STRIKER VIVID 4CV
3.5" · 5.9" · 3.60" · 1.60" · 2.5"

GWIND/GWIND WIRELESS 2
6.70" · 12.33"

GWIND RACE
45.15"

GSD 24
204 mm · 58.4 mm · 283.5 mm

GSD 26
274.2 mm · 100 mm · 373.2 mm

GCV 10 AND GSD 25
191.3 mm · 66.5mm · 250.4 mm

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

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 28	GCV 10	GCV 20
Physical Size (WxHxD)	275 x 82 x 204 mm	192 x 66 x 251 mm	10.7" × 14.4" × 4.0"	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
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	10-32 V	10-35 V	10-35 V
Power Consumption	2-29 W	2-29 W	120 W	10.5 W	10.5 W
Maximum Depth[1]	5,000'	ClearVü: 750' SideVü: 500' Traditional: 5,000'	10,000'	ClearVü: 750' SideVü: 500'	ClearVü: 750' SideVü: 500'
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 Single Channel CHIRP: 40-250 kHz Dual Channel CHIRP: 40-250 kHz SideVü/ClearVü CHIRP: 455/800 kHz CHIRP: 260/455 kHz	Dual Channel CHRIP: 25-250 kHz	SideVü/ClearVü CHIRP: 455/800 kHz 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
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
RapidReturn Sonar Technology	No	No	Yes	No	No
xCHIRP Technology	No	No	Yes	No	No

Cameras

	GC14 Marine Camera	GC200 Marine IP Camera	GC100 Marine Camera
Video Resolution	976(H) x 582(V)	Up to 1920 x 1080P[2]	720p
Low-light Vision	Up to 15 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)	12CDC or 24VDC
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

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

Handhelds

	GPSMAP 276Cx	GPS 73	GPSMAP 79s/79sc	GPSMAP 86s/86sc/86i/86sci 86	inReach Mini 2 Marine Bundle
Number of Waypoints	10,000	1,000	2,000	10,000	1000
Internal Map Memory	8.0 GB	No	1.7 GB	16 GB	No
Number of Routes	250	50	200	250	100
Basemap, Preprogrammed Map	Worldwide basemap	No	Worldwide basemap	BlueChart g3 (86sc, 86sci)	No
Additional Map Options	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 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	5" diagonal	2.6" diagonal	2.6" diagonal	3" diagonal	1.3" diagonal
Display Type	TFT (Transflective)	TFT (Transflective)	TFT (Transflective)	TFT (Transflective)	Sunlight-readable, monochrome, transflective memory-in-pixel (MIP)
Area Calculation	Yes	Yes	Yes	Yes	No
Display Resolution Pixels (HxW)	800 x 480	160 x 128	240 x 160	240 x 400	176 x 176
Standard GPS Antenna	Internal	Internal	Integral quad helix	Integral quad helix	Integral quad helix
BLUETOOTH®	BLUETOOTH / Wi-Fi®	No	No	No	BLUETOOTH Low Energy & ANT+®
TracBack® Function	Yes	Yes	Yes	Yes	Yes
Number of Track Points	20,000	10,000	10,000	20,000	10,000
Weight	450 g (litium), 415 g (AA)	232,4 g	218 g	272 g	100 g
Alarm	Yes	Yes	Yes	Yes	No
Waterproof According to Standard	IPX7	IPX7	IPX7	IPX7	IPX7
Physical Size in mm (HxWxD)	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	Yes	Yes	Yes	Yes	No
Storage of Charts	microSD™ memory card	No	microSD™ memory card	microSD™ memory card	No
Backlit Display	Yes	Yes	Yes	Yes	Yes
Input for External Antenna	Yes	No	Yes	Yes	No
WAAS/EGNOS Compatible	Yes	Yes	Yes	Yes	Yes
Integral Electronic Compass	Yes	No	Yes (78s)	Yes	Yes
Integral Barometric Altimeter	Yes	No	Yes (78s)	Yes	No
Automatic Route Calculation	Yes, with City Navigator	No	Yes, with City Navigator	Yes (with optional mapping for detailed roads)	No
Calendar for Hunting/Fishing Times	Yes	Yes	Yes	Yes	No
Solar and Lunar Calendar	Yes	Yes	Yes	Yes	No
Area Waypoints	Yes	Yes	Yes	Yes	No
Tidal Information	Yes	No	Yes	Yes	No
Power Supply (external)	8-36 V	8-36 V	8-36 V	8-36 V	Included USB-C to bare wire: 12V
Waypoint Icons	Yes	Yes	Yes	Yes	Yes
NMEA Compatible	Yes (NMEA 0183)	Yes (NMEA 0183)	Yes (NMEA 0183)	Yes (NMEA 0183)	No
Camera	No	No	No	No	No
Picture Viewer	No	No	Yes	Yes	No
Floats	Yes	Yes	Yes	Yes	No

Wearables

	Instinct 2S/2 – Surf Edition	Instinct 2S/2 Solar – Surf Edition	MARQ Captain	quatix 7	quatix 7 – Pro Edition	quatix 7X – Solar Edition
Lens Material	Chemically Strengthened Glass	Power Glass™	Domed Sapphire Crystal	Corning® Gorilla® Glass DX	Sapphire Crystal	Power Sapphire™
Case Material	Fiber-reinforced polymer	Fiber-reinforced polymer	Grade-5 Titanium	Fiber-reinforced polymer with titanium rear cover	Fiber-reinforced polymer with titanium rear cover	Fiber-reinforced polymer with titanium rear cover
QuickFit® Watch Bands	Yes (20 mm for 2S, 22 mm for 2)	Yes (20 mm for 2S, 22 mm for 2)	Included (22 mm)	Included (22 mm)	Included (22 mm)	Included (26mm)
Water Rating	10 ATM	10 ATM	10 ATM	10 ATM	10 ATM	10 ATM
Touch Screen	No	No	Yes	Yes	Yes	Yes
Display Type	Monochrome, Sunlight-visible, transflective memory-in-pixel (MIP)	Monochrome Sunlight-visible, transflective memory-in-pixel (MIP)	AMOLED (always-on)	Sunlight-visible, transflective memory-in-pixel (MIP)	AMOLED (always-on)	Sunlight-visible, transflective memory-in-pixel (MIP)
Color Display	No	No	Yes	Yes	Yes	Yes
Battery Life Smart Mode: Activity Tracking, 24/7 Heart Rate (compatible devices) and BLUETOOTH connectivity	2S: Smartwatch: up to 21 days Battery Saver Watch Mode: up to 50 days GPS: up to 22 hours 2: Smartwatch: up to 28 days Battery-saver watch mode: up to 65 days GPS: up to 30 hours	2S: Smartwatch: up to 21 days/51 days with solar[1] GPS: up to 22 hours/28 hours with solar[2] 2: Smartwatch: up to 28 days/ Unlimited with solar[1] GPS: up to 30 hours/48 hours with solar[2]	Smartwatch: up to 16 days GPS: up to 42 hours GPS + Music: up to 10 hours	Smartwatch: up to 16 days (6 days always-on) Battery-saver watch mode: up to 21 days GPS only: up to 42 hours (30 hours always-on) Max battery GPS: up to 75 hours Expedition GPS: up to 14 days	Smartwatch: up to 16 days (6 days always-on) Battery-saver watch mode: up to 21 days GPS only: up to 42 hours (30 hours always-on) Max battery GPS: up to 75 hours Expedition GPS: up to 14 days	Smartwatch: up to 28 days/37 days with solar[1] Battery-saver watch mode: up to 90 days/ 1+ year with solar[1] GPS only: up to 89 hours/ 122 hours with solar[2] Max battery GPS: up to 213 hours/578 hours with solar[2] Expedition GPS: up to 62 days/ 139 days with solar[1]
Built-in LED Flashlight	No	No	No	No	Yes	Yes
Sensors						
GPS/GLONASS/GALILEO	Yes	Yes	Yes	Yes	Yes	Yes
Multifrequency Positioning	No	No	Yes	Yes	Yes	Yes
Health Monitoring						
Wrist-based Heart Rate	Yes	Yes	Yes	Yes	Yes	Yes
Body Battery™ Energy Monitor	Yes	Yes	Yes	Yes	Yes	Yes
Sleep Score and Insights	Yes	Yes	Yes	Yes	Yes	Yes
Health Snapshot	Yes	Yes	Yes	Yes	Yes	Yes
Daily Smart Features						
Connect IQ™	Yes	Yes	Yes	Yes	Yes	Yes
Smart Notifications	Yes	Yes	Yes	Yes	Yes	Yes
Music Storage	No	No	Up to 2,000 songs	Up to 2,000 songs	Up to 2,000 songs	Up to 2,000 songs
Smartphone Compatibility	iPhone, Android	iPhone, Android	iPhone, Android	iPhone, Android	iPhone, Android	iPhone, Android
Garmin Pay™	No	Yes	Yes	Yes	Yes	Yes
Training, Planning and Analysis						
Recovery Time	Yes	Yes	Yes	Yes	Yes	Yes
VO2 Max	Yes	Yes	Yes	Yes	Yes	Yes
Daily Suggested Workouts	Yes	Yes	Yes	Yes	Yes	Yes
Golfing Features						
Preloaded with 43,000+ Courses Worldwide	No	No	Yes	Yes	Yes	Yes
Boating Features						
Available Boating Profiles	No	No	Boat, Sail, Fish, Sail Race	Boat, Sail, Sail Race	Boat, Sail, Sail Race	Boat, Sail, Sail Race
Anchor Alarm	No	No	Yes	Yes	Yes	Yes
Autopilot Control	No	No	Yes (with compatible Garmin Marine device equipment)	Yes (with compatible Garmin Marine device equipment)	Yes (with compatible Garmin Marine device equipment)	Yes (with compatible Garmin Marine device equipment)
Boat Data Streaming	No	No	Yes	Yes	Yes	Yes
Virtual Starting Line	No	No	Yes	Yes	Yes	Yes
Countdown Timer	No	No	Yes	Yes	Yes	Yes
Tack Assist Mode	No	No	Yes	Yes	Yes	Yes
Built-in Barometer and Tide Tables	No	No	Yes (downloadable tides)	Yes (downloadable tides)	Yes (downloadable tides)	Yes (downloadable tides)
Force Trolling Motor Control	No	No	Yes	Yes	Yes	Yes

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 50	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 50	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 50	
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 Hydrauilic 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 50	Third-party drive unit 010-11533-00: actuator motor cable, 010-11829-00: GRF 10 rudder sensor; 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 50	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 50	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 50	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 50	Third-party drive unit 010-11533-00: actuator motor cable, 010-11829-00: GRF 10 rudder sensor; 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 50	
Steer by Wire	ZF Pod Drive	Reactor 40 Steer-by-wire Standard Core Pack		Reactor 40 GHC 50	
Steer by Wire	YANMAR	Reactor 40 Steer-by-wire Standard Core Pack		Reactor 40 GHC 50	
Steer by Wire	Yamaha Helm Master®	Reactor 40 Steer-by-wire Core Pack for Yamaha Helm Master	Gateway Included	Reactor 40 Autopilot Gateway GHC 50	
Steer by Wire	Volvo IPS or Sterndrive	Reactor 40 Steer-by-wire Core Pack for Volvo-Penta	Gateway Included	Reactor 40 Autopilot Gateway GHC 50	
Steer by Wire	Viking® Viper™	Reactor 40 Steer-by-wire Core Pack for Viking Viper		Reactor 40 GHC 50	
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 50	010-11533-10: solenoid cable 010-11829-00: GRF 10 rudder sensor 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 50	010-11533-10: solenoid cable 010-11829-00: GRF 10 rudder sensor or 010-11532-00 plus third-party rudder sensor
Auxillary Gas Engine (Kicker)	<20 HP auxiliary gas engines from most major manufacturers	Reactor 40 Kicker	Steering Actuator Included	CCU, ECU, Steering Actuator Throttle Actuator Wireless Remote	

GARMIN MFDS

Product	Part Number
GPSMAP 8617	010-01510-50
GPSMAP 8622	010-01511-50
GPSMAP 8624	010-01512-50
GPSMAP 9219	010-02673-01
GPSMAP 9222	010-02674-01
GPSMAP 9224	010-02675-01
GPSMAP 9227	010-02676-01

GPSMAP COMBOS AND STAND-ALONES

Product	Part Number
GPSMAP 743, U.S. + Canada Garmin Navionics+	010-02365-60
GPSMAP 743xsv, U.S. + Canada Garmin Navionics+	010-02365-61
GPSMAP 943, U.S. + Canada Garmin Navionics+	010-02366-60
GPSMAP 943xsv, U.S. + Canada Garmin Navionics+	010-02366-61
GPSMAP 943xsv, U.S. + Canada Garmin Navionics+ w/ GMR 18 HD3	010-02366-53
GPSMAP 1243, U.S. + Canada Garmin Navionics+	010-02367-60
GPSMAP 1243xsv, U.S. + Canada Garmin Navionics+	010-02367-61
GPSMAP 1243xsv, U.S. + Canada Garmin Navionics+ w/ GMR 18 HD3	010-02367-53
GPSMAP 1643, U.S. + Canada Garmin Navionics+	010-02919-01
GPSMAP 1643xsv, U.S. + Canada Garmin Navionics+	010-02919-03
GPSMAP 1042xsv, U.S. + Canada Garmin Navionics+ with Transducer	010-01740-60
GPSMAP 1242xsv, U.S. + Canada Garmin Navionics+ with Transducer	010-01741-60
GPSMAP 8610, U.S. + Canada Garmin Navionics+	010-02091-50
GPSMAP 8612, U.S. + Canada Garmin Navionics+	010-02092-50
GPSMAP 8616, U.S. + Canada Garmin Navionics+	010-02093-50
GPSMAP 8610xsv, U.S. + Canada Garmin Navionics+	010-02091-51
GPSMAP 8612xsv, U.S. + Canada Garmin Navionics+	010-02092-51
GPSMAP 8616xsv, U.S. + Canada Garmin Navionics+	010-02093-51

ECHOMAP ULTRA COMBOS

Product	Part Number
ECHOMAP Ultra 2 102sv chartplotter with worldwide basemap	010-02879-00
ECHOMAP Ultra 2 102sv chartplotter with worldwide basemap with Transducer	010-02879-01
ECHOMAP Ultra 2 106sv chartplotter with Garmin Navionics+ maps for U.S. coastal and inland	010-02880-00
ECHOMAP Ultra 2 106sv chartplotter with Garmin Navionics+ maps for U.S coastal and inland with Transducer	010-02880-01
ECHOMAP Ultra 2 122sv chartplotter with worldwide basemap	010-02881-00
ECHOMAP Ultra 2 122sv chartplotter with worldwide basemap with Transducer	010-02881-01
ECHOMAP Ultra 2 106sv chartplotter with Garmin Navionics+ maps for U.S. coastal and inland	010-02882-00
ECHOMAP Ultra 2 126sv chartplotter with Garmin Navionics+ maps for U.S. coastal and inland with Transducer	010-02882-01

ECHOMAP UHD2

Product	Part Number
ECHOMAP UHD2 52cv,WW w/o xdcr	010-02589-00
ECHOMAP UHD2 52cv,WW, w/GT20 xdcr	010-02589-01
ECHOMAP UHD2 53cv, U.S. Lakes + Rivers GN+, w/ GT20 xdcr	010-02590-51
ECHOMAP UHD2 54cv, U.S. Coastal + Great Lakes GN+, w/o xdcr	010-02591-50
ECHOMAP UHD2 54cv, U.S. Coastal + Great Lakes GN+, w/ GT20 xdcr	010-02591-51
ECHOMAP UHD2 55cv, Canada + Alask GN+, w/GT20 xdcr	010-02592-50
ECHOMAP UHD2 62sv, WW	010-02679-00
ECHOMAP UHD2 62sv, WW with transducer	010-02679-01
ECHOMAP UHD2 63sv, U.S. Lakes + Rivers GN+ with transducer	010-02680-01
ECHOMAP UHD2 64sv, U.S. Coastal + Great Lakes GN+	010-02681-00
ECHOMAP UHD2 64sv, U.S. Coastal + Great Lakes GN+ with transducer	010-02681-01
ECHOMAP UHD2 65sv, Canada + Alaska GN+ with transducer	010-02682-00
ECHOMAP UHD2 72sv, WW with transducer	010-02683-00
ECHOMAP UHD2 73cv, Garmin Navionics+ U.S. Lakes + Rivers GN+, w/ GT20 xdcr	010-02594-51
ECHOMAP UHD2 74cv, Garmin Navionics+ U.S. Coastal + Great Lakes GN+, w/ GT20	010-02595-51
ECHOMAP UHD2 75cv, Garmin Navionics+ Canada + Alaska GN+, w/ GT20 xdcr	010-02596-50
ECHOMAP UHD2 72cv,WW w/o xdcr	010-02593-00
ECHOMAP UHD2 72cv,WW w/GT20 xdcr	010-02593-00
ECHOMAP UHD2 73sv, U.S. Lakes+Rivers GN+	010-02684-00
ECHOMAP UHD2 73sv, U.S. Lakes + Rivers GN+ with transducer	010-02684-01
ECHOMAP UHD2 74sv, U.S. Coastal + Great Lakes GN+	010-02685-00
ECHOMAP UHD2 92sv, WW w/o xdcr	010-02687-00
ECHOMAP UHD2 92sv, WW w/ GT56 xdcr	010-02687-01
ECHOMAP UHD2 93sv, U.S. Lakes + Rivers GN+ w/o xdcr	010-02688-00
ECHOMAP UHD2 93sv, U.S. Lakes + Rivers GN+ w/ GT56 xdcr	010-02688-01
ECHOMAP UHD2 94sv, U.S. Coastal + Great Lakes GN+ w/o xdcr	010-02689-00
ECHOMAP UHD2 94sv, U.S. Coastal + Great Lakes GN+ w/ GT56 x	010-02689-01

FISHFINDERS

Product	Part Number
STRIKER 4 U.S. with Dual-beam Transducer	010-01550-00
STRIKER 4 Plus U.S. with Dual-beam Transducer	010-01870-00
STRIKER Vivid 4cv, U.S. with CHIRP Traditional and CHIRP ClearVü Transducer	010-02550-00
STRIKER Vivid 5cv, U.S. with CHIRP Traditional and CHIRP ClearVü Transducer	010-02551-00
STRIKER Vivid 7cv, U.S. with CHIRP Traditional and CHIRP ClearVü Transducer	010-02552-00
STRIKER Vivid 7sv, U.S. with CHIRP Traditional and CHIRP ClearVü Transducer	010-02553-00
STRIKER Vivid 9sv, U.S. with CHIRP Traditional, CHIRP ClearVü and CHIRP SideVü Transducer	010-02554-01
STRIKER Cast GPS	010-02246-02
STRIKER Cast	010-02246-00

WEATHER SOLUTIONS

Product	Part Number
GXM 54 SiriusXM® Marine Receiver (requires subscription)	010-01734-00

SONAR COMPONENTS

Product	Part Number
LiveScope Plus System	010-01864-00
LiveScope XR System	010-02719-00
LiveScope XR Transducer	010-02719-10
LSV34 Transducer	010-02233-00
Transom Mount	010-13228-04
GSD 24 Advanced Sonar Module	010-00957-00
GSD 25 Premium Sonar Module	010-01159-00
GSD 28	010-02797-00
PS70 Transducer	010-02768-10
PS70 Transducer with Fairing Block	010-02768-00
Ultra High-Definition Scanning Sonar System (GCV 20 with Transducer)	010-02055-00
GCV 20 Ultra High-Definition Scanning Sonar Black Box Without Transducer	010-02055-10

RADARS

Product	Part Number
GMR Fantom Dome 18x	010-02584-00
GMR Fantom Dome 24x	010-02585-00
GMR Fantom 54	K10-00012-17
GMR Fantom 56	K10-00012-18
GMR Fantom 124	K10-00012-08
GMR Fantom 126	K10-00012-20
GMR Fantom 254	K10-00012-20
GMR Fantom 256	K10-00012-22
GMR 18 HD3	010-02843-00
GMR 18 xHD3	010-02841-00
GMR 24 xHD3	010-02842-00
GMR 434 xHD3	K10-00012-24
GMR 436 xHD3	K10-00012-25
GMR 1234 xHD3	K10-00012-26
GMR 1236 xHD3	K10-00012-27
GMR 2534 xHD3	K10-00012-28
GMR 2536 xHD3	K10-00012-29

AUTOPILOTS

Product	Part Number
GHC 50 Marine Autopilot Control Display	010-02731-00
Reactor 40 Autopilot Remote	010-12833-10
Compact Reactor 40 - Hydraulic Corepack Starter Kit	010-00705-06
Compact Reactor 40 - Hydraulic Autopilot with GHC 50	010-02794-07
Compact Reactor 40 - Hydraulic Autopilot with GHC 50 and Shadow Drive	010-02794-08
Reactor 40 - Hydraulic Corepack	010-00705-19
Reactor 40 - Hydraulic with SmartPump v2 Corepack	010-00705-79
Reactor 40 - Mechanical/Retrofit/Solenoid Corepack	010-00705-49
Reactor 40 - Steer-by-wire Standard Corepack	010-00705-86
Reactor 40 - Steer-by-wire Corepack for Yamaha Helm Master	010-00705-87
Reactor 40 - Steer-by-wire Corepack for Viper	010-00705-88
Reactor 40 - Steer-by-wire Corepack for Volvo Penta	010-00705-89
Reactor 40 Kicker Hydraulic Autopilot with GHC 50 Autopilot Display	010-02794-09
Reactor 40 Kicker Hydraulic Autopilot without GHC 50 Autopilot Display	010-02794-09
1.2-liter Pump Kit, fits Verado, 1-2 Outboards Under 400 HP Total	010-00705-96
2-liter Pump Kit, Hydraulic Steering Under 10 Cubic Inches	010-11097-00
1.2-liter Pump Kit	010-00705-64
2-liter Pump Kit	010-00705-63
Class A Drive Unit (for sailboats with up to 28,500 lb of displacement)	010-11572-00
Class B Drive Unit (for sailboats with up to 79,000 lb of displacement)	010-11573-00
Class B Compact Drive Unit (for sailboats with up to 48,400 lb of displacement)	010-12029-00

COMMUNICATIONS

Product	Part Number
GHS 11, U.S., Black	010-01759-00
VHF 115, North America	010-02096-00
VHF 215, North America	010-02097-00
VHF 215 AIS, North America	010-20298-00
VHF 315	010-02047-00
Cortex V1 VHF Marine Radio	010-02814-20
Cortex M1 smartAIS	010-02815-20
AIS 800	010-02087-00

WEARABLES

Product	Part Number
quatix 7	010-02540-60
quatix 7 - Pro Edition	010-02803-80
quatix 7 - Solar Edition	010-02541-60
MARQ Captain	010-02006-06

SAILING

Product	Part Number
GND 10 Black Box Bridge	010-01226-00
gWind	010-01227-00
gWind Wireless 2	010-01616-00
gWind Race	010-01228-00

INSTRUMENTS

Product	Part Number
GMI 20, Marine Instrument Display	010-01140-00
GNX 20 Marine Instrument with Standard 4" LCD	010-01142-00
GNX 21 Marine Instrument with Inverted 4" LCD	010-01142-10
GNX 120 Marine Instrument with 7" LCD	010-01395-00
GNX 130 Marine Instrument with 10" LCD	010-01396-00
GNX Wind	010-01142-30
GNX Keypad	010-12255-00

NOTE: See current Garmin/Navionics marine charts catalog for coverage areas and pricing. Separate catalogs are also available for Garmin ice fishing and FUSION audio products.

GNX Wireless Wind Pack	010-01616-10
GNX Wireless Sail Pack 52	010-01616-40
GNX Wireless Sail Pack 43	010-01616-30
GNX Wired Sail Pack 43	010-01248-60
GNX Wirel Sail Pack 52	010-01248-70
GMI Wired Start Pack 52	010-01248-80

OTHER

NMEA 2000 Starter Kit	010-11442-00
GFS 10 Fuel Sensor	010-00671-00
GC 14 Marine Camera	010-02122-00
GC 100 Marine Camera	010-01865-30
GC 200 Marine IP Camera	010-02164-00
GMS 10 Network Port Expander (Network Device)	010-00351-00
GNT 10 NMEA Transceiver	010-01134-00
GPS 19x HVS	010-01010-00
GPS 19x NMEA 2000®	010-01010-10
GPS 24XD Receiver (White)	010-01010-10
9-axis Heading Sensor	010-11417-20
inReach Mini 2	010-01879-02
inReach Mini 2 Marine Bundle	010-02602-30
MSC 10 Marine Satellite Compass (White)	010-02407-00
GNA 10 Jog Lever Adapter	XXX-XXXXX-XX
GRID 20, Portrait	010-02011-00
GRID 20, Landscape	010-02011-01
Garmin Card Reader	010-02251-10
Garmin BlueNet 20 Switch	010-02612-00
Garmin BlueNet 30 Gateway	010-02613-00

NOTES

SUPPORT

MARINE SUPPORT CENTER

The Garmin Marine Support Center is our online reference site where you will find answers to frequently asked questions and resources to help with installation, operation, how-to's and troubleshooting of Garmin products for a wide range of boating, fishing and other water-centric activities.

Visit the Garmin Marine Support Center online at: https://support.garmin.com/en-US/marine/.

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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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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