

COLOR GPS CHARTPLOTTERS AND SONAR SOLUTIONS

THE NEW WAVE IN MARINE NAVIGATION

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GARMIN GPS: MIXING GUIDANCE WITH H²O.

Confidence on the water starts with Garmin quality in your electronics. Whether you're adventuring on the high seas, cruising an intercoastal waterway, fishing on your new favorite freshwater lake, or piloting a commercial workboat, Garmin has the ideal portable or fixed-mount chartplotter to keep you precisely on course. We offer one of the industry's widest selections of GPS-based navigation products, with choices to match practically every boat and budget. Each plotter in the lineup represents a carefully crafted combination of performance, safety, value,

innovation and ease of operation. And they all come loaded with detailed graphics, worldwide basemap, and crisp, sunlight-readable displays. Our reliability has been tested and proven under some of the harshest, wettest, most punishing conditions to be found in any marine environment. So, whether you're boating for business or pleasure – on saltwater or fresh – you can confidently look to Garmin for the absolute best in guidance afloat.

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NEW CHOICES IN CARTOGRAPHY PUT EVEN MORE CONTROL AT YOUR FINGERTIPS

Exceptional chartplotters deserve the best in cartography. And now, with this updated selection of electronic mapping products, Garmin makes it even easier to choose the navigation features that best match your plotter, your priorities, and your price range. These detail-rich BlueChart® packages are designed to fit a wide array of Garmin chartplotters and navigation devices. Sharp, colorful

BLUECHART® G2

With map graphics styled to match the look of paper charts in digital electronic form, Garmin's BlueChart® g2 is basic cartography you can count on. This newly updated version of BlueChart g2 provides a lower-cost navigation alternative that's ideal for value-priced models of the Garmin marine chartplotter lineup. BlueChart g2 is offered in the form of preprogrammed microSD™ and SD™ data cards, which can be plugged directly into compatible Garmin units. In addition to the navigation charts, tidal stations, currents,

BLUECHART® G2 VISION®

To unleash your chartplotter's full potential, check out the high-performance mapping capabilities of BlueChart® g2 Vision®. Garmin's growing family of GPS chartplotters are all compatible with this new-generation technology. So, it's easy to use your plotter's SD card slot to plug in extra chart regions and features – while dramatically enhancing your system's graphical capabilities. With BlueChart g2 Vision you get all the standard BlueChart g2 features, plus upgraded high-resolution aerial imagery offering true 3D-view map perspective, both above and below the waterline.

onscreen graphics let you see every contour and feature with a minimum of panning and zooming to bring specific details into focus. And new software enhancements help smooth the transition between zoom levels, while providing seamless continuity across chart boundaries. When it comes to simplifying life on the water, Garmin integrated mapping technology is clearly the way to go.

depth contours, IALA symbols, and other graphical features, the new BlueChart g2 offers improved transitioning between zoom levels and across chart boundaries for an overall smoother presentation on your plotter display. The addition of Safety Depth settings lets users select up to five values for specific depth contour intervals. And there's also a choice of standard 2D direct overhead or planar 3D "over the bow" map perspective views to make chart reading and orientation easier.

Geo-referenced chart imagery lets you "navigate on the picture" with a dynamic presentation of your boat's current position. And handy Auto Guidance technology scans all relevant chart features and obstructions to suggest the best routes to follow. Also, in many areas, "real picture" panoramic reference photos are provided to help you locate and contact nearby fuel, lodging, dining or other shore-side facilities. Garmin BlueChart® g2 Vision: It's the most feature-rich marine software Garmin has ever offered. And it promises to change the way you look at graphical navigation.



High-Resolution Satellite Imagery
Garmin's latest chartplotter lineup features worldwide satellite imagery to enhance the standard vector chart basemap. For added realism, high-resolution aerial imagery is only available with BlueChart® g2 Vision™ card technology.



True 3-D view mapping
With optional BlueChart® g2 Vision® plug-in data card, Garmin's new-generation chartplotters will graphically depict true 3-D MarinerEye topside view or FishEye underwater view navigation perspective.



Auto Guidance
It's like having a knowledgeable guide to local hazards and waterways always on deck. Optional BlueChart® g2 Vision card Auto Guidance technology searches all chart features to suggest the best passage.



Streamlined interface
With fewer buttons to push and fewer operational steps to navigate, Garmin's simplified menu format makes it easy for boaters to see and select the data they want to access onscreen.



"Real picture" reference photos
For help in navigating tricky harbors and channels – or locating area marinas, fuel stops, restaurants, etc. – optional BlueChart® g2 Vision cards offer an extensive database of aerial reference photos.



GPSMAP® 700 SERIES TOUCHSCREEN CHARTPLOTTERS

Styled to match the panoramic widescreen format of Garmin's top-of-the-line network chartplotters, the affordable GPSMAP® 700 series now brings fully menu-driven touchscreen control to the standalone fixed-mount market. Featuring sleek 7-inch WVGA color displays, built-in high-sensitivity GPS receivers, detail-rich topographic imagery, and NMEA 2000 sensor connectivity for engine, fuel, autopilot and other data monitoring, these robust plotters are the ideal solution for a single helm installation – or as a budget-friendly backup to your multi-screen

network. An included tilt-adjustable bail mount makes installation a breeze. Or you can opt for the custom look of flush-mount installation in your console or nav station. There's a built-in radar port that enables interface with Garmin's popular GMR™ line of marine radars. And with optional AIS capability (receiver sold separately), Garmin VHF radios can also be set up for automatic calling of traffic targets directly from your chartplotter screen. Garmin GPSMAP® 700 series: Your fingertip connection to the future of navigation.



GPSMAP® 720/740

Ready to widen your horizons? Check out the new GPSMAP® 700 series of horizontal-format touchscreen chartplotters. With their panoramic 16:9 high-aspect-ratio displays, these robust plotters bring a stunning array of high-end navigation features within easy reach of most value-conscious mariners. The units' 7-inch hi-res color screens offer unprecedented extremes of brightness for daytime readability – and low-level dimming for optimum night vision. There's built-in support for NMEA 2000 sensor/instrument interface. And a built-in radar port lets you connect with all Garmin GMR™ series marine radars for target scanning on your chartplotter screen. (Note: some advanced radar features such as Map Overlay, MARPA tracking and Dual Range display are not supported.) XM WX™ Satellite Weather and XM Radio*

*Separate subscription required.

entertainment can also be accessed via an optional GXM™ 51 antenna/receiver (sold separately). Both the GPSMAP® 720 and 740 models come with a built-in worldwide basemap, which can be easily upgraded with optional BlueChart® g2 or g2 Vision® cards for expanded coverage of specific regions. For instant out-of-the-box launch readiness, the GPSMAP® 740 also comes preloaded with detailed offshore maps for all U.S. coastal areas, including Alaska and Hawaii, plus the Bahamas. And by simply plugging in an optional BlueChart® g2 Vision® card (sold separately) you can upgrade to such premium features as high-resolution satellite imagery, Auto Guidance, aerial reference photos, and true 3-D visual map perspective – with both MarinerEye and underwater FishEye views.



GPSMAP® 400/500 SERIES FIXED-MOUNT CHARTPLOTTERS

Want all the latest features and graphics in a more traditional portrait-view plotter format? Check out Garmin's newly updated GPSMAP® 400/500 series. Offering easy-to-use menu formats and crisp, high-resolution displays, these versatile GPS navigators can pinpoint your location anywhere in the world. They all have WAAS/EGNOS-enabled receivers for extreme high accuracy (typically within 3 meters). Plus, their built-in worldwide

basemaps can be upgraded with optional BlueChart® g2 or g2 Vision® cards (sold separately) for more detailed map coverage of specific regions. For some of the brightest, sharpest, most colorful graphics you've ever seen on a chartplotter display, the name to watch is Garmin Marine.



GPSMAP® 526/536/546

Combining high-resolution, super-bright 5-inch VGA color displays with a new high-sensitivity receiver for superior GPS tracking and acquisition, the updated GPSMAP® 526, 536 and 546 are built for serious marine navigation. They're NMEA 2000-compatible for easy connectivity with sensors, instruments, and other emerging systems. Plus, the improved, high-speed design yields faster map drawing and panning speeds, with smoother transitioning between screen views. Optional plug-in BlueChart® g2 cards (sold separately) provide basic digital mapping, while BlueChart® g2 Vision® cards (also sold separately) enable access to such premium features as true 3-D view map display – both above and below the waterline – plus Auto Guidance and “real picture” aerial photo reference with marine points-of-interest (POI) location data. The GPSMAP® 526 features a built-in worldwide basemap – which can be augmented with optional BlueChart® g2 or g2 Vision® software for detailed coverage of specific regions. The model 536 comes preloaded with detailed U.S. inland lake maps for freshwater navigation. And the 546 has detailed BlueChart® g2 offshore maps for all U.S. coastal areas, including Alaska and Hawaii, as well as the Bahamas. U.S. versions of the GPSMAP® 500 series can also access XM WX Satellite Weather* – including NEXRAD radar – via the optional GXM™ 51 antenna/receiver (sold separately). Audio entertainment via XM Satellite Radio is also optionally available*.

GPSMAP® 521/531/541

These updated versions of Garmin's popular 5-inch portrait-screen plotters pack a lot of navigation value for the money. All three units feature bright QVGA color displays – and an improved high-speed digital design for faster map drawing and panning. The GPSMAP® 521 model comes with basic worldwide basemap imagery, while the 531 and 541 have detailed cartography already preloaded: U.S. inland lakes data on the freshwater-friendly 531, and U.S. coastal marine charts (using BlueChart® g2 technology) on the 541. Both the 521 and 541 offer NMEA 2000 sensor/instrument connectivity and a new high-sensitivity GPS receiver. Plus, an SD card slot on all three units makes it easy to plug in additional BlueChart® g2 Vision® mapping features (sold separately), including true 3-D view MarinerEye and underwater FishEye map perspective, plus Auto Guidance capability and “real picture” aerial photo reference showing harbors, boat slips, bridges, waterways and other significant landmarks in graphic detail. XM WX Satellite Weather and XM Radio* entertainment are also supported via the optional GXM™ 51 antenna/receiver (sold separately).

*Separate subscription required.

GPSMAP® 421/431/441

For mariners who want big capability in a compact format, these space-saving 400-series Garmin plotters are the ideal choice. They feature ultra-bright 4-inch QVGA displays and come ready to launch right out of the box with built-in color cartography. The GPSMAP® 421 model comes with a built-in worldwide basemap – which can be augmented with optional BlueChart® g2 or g2 Vision® software (sold separately) for detailed coverage of specific regions. For freshwater boaters, the GPSMAP® 431 offers preloaded U.S. inland lake maps covering thousands of navigable waterways coast to coast. Finally, the GPSMAP® 441 offers detailed marine cartography for all U.S. coastal areas, including Alaska and Hawaii, plus Explorer charts for the Bahamas. Both the 421 and 441 incorporate NMEA 2000 sensor/instrument connectivity and a new high-sensitivity GPS receiver. Plus, all three units accept optional BlueChart® g2 Vision® cards (sold separately), allowing you to add helpful features such as Auto Guidance, true 3-D view MarinerEye and underwater FishEye map perspective, as well as “real picture” aerial reference photos of ports, harbors, marinas, waterways and other points of reference.

An underwater photograph showing a school of small fish swimming in clear blue water. In the foreground, the dark, silty bottom of a boat is visible, with some light reflecting off the water's surface. The overall scene is dimly lit, emphasizing the blue tones of the water.

GARMIN CHARTPLOTTER/SOUNDER COMBO UNITS

For graphical guidance both above and below the water's surface, Garmin's combo lineup of chartplotter/sounder units can really simplify your choices. Their compact, all-in-one design makes for easy installation on boats where space is at a premium. The easy-to-use split-screen functionality lets you view both GPS map and sonar information simultaneously (or you can opt for full-screen views of plotter and sounder data separately).

Stunning graphics, and lightning-quick redraw rates on the crisp, sunlight-readable display make it easy to map your progress in relation to selected waypoints, buoys, nav aids, shorelines and other satellite-enhanced surface features. Meanwhile, powerful built-in sounder technology lets you penetrate the depths with precision, so you can spot today's catch or keep an eye on potentially hazardous terrain or structure beneath your boat.

GPSMAP® 720s/740s

Wide-format viewing meets deep sonar scanning in the new GPSMAP® 700 series of combo chartplotter/sounder products. They offer all the navigation and touchscreen interface capabilities of Garmin's other 720/740 model plotters – plus the power of a built-in 1-kilowatt capable digital sonar that can scan for fish targets or underwater terrain features as far down as 2,000 feet (with a dual frequency transducer). An internal high-sensitivity GPS receiver provides the global location reference. And a built-in radar port lets you plug in optional topside radar scanning capability as well (radar sold separately). There's interface capability for a wide range of NMEA 2000 sensors and instruments. Plus, XM WX™ Satellite Weather and XM Radio* entertainment features can be easily added with the optional GXM™ 51 antenna/receiver (also sold separately).

GPSMAP® 526s/536s/546s

High-performance color chartplotting connects with powerful digital sonar in the new GPSMAP® 526s, 536s and 546s combo units. All feature super-bright 5-inch VGA screens for the sharpest possible display of fish targets, bottom contours and mapping features. With up to 1kW of power output on the 526s and 546s models, these sonars can scan depths to 2,000 feet – while digital Ultrascroll™ technology provides screen updates at live-action speeds. (The GPSMAP 536s has a 400-watt dual-beam sonar with depth range to 900 feet.) All three models feature built-in worldwide basemap imagery. And they're NMEA 2000 compatible for easy connectivity with sensors, instruments, and other developing capabilities. An SD card slot makes it easy to plug in additional BlueChart® g2 Vision® mapping software (sold separately) with "real picture" reference photos and marine points-of-interest data, plus optional 3-D view graphical mapping for the most realistic MarinerEye or FishEye

GPSMAP® 521s/531s/541s

For all-round versatility and value, these impressive 5-inch chartplotter/sounder units are hard to beat. All three feature worldwide basemap imagery, while the 531s adds built-in freshwater mapping with U.S. inland lakes data, and the 541s comes preloaded with offshore charts for all U.S. coastal areas, including Alaska and Hawaii plus the Bahamas. An SD card slot allows easy plug-in of additional map areas and features with BlueChart® g2 Vision® card technology (sold separately). What's more, for XM WX Satellite Weather* coverage anywhere in the U.S., you can add the optional GXM™ 51 antenna/receiver (sold separately) to the 521s or 541s units. Both the 521s and 541s offer easy plug-and-play NMEA 2000 sensor/instrument connectivity and a new high-sensitivity GPS receiver. Plus, for even more in-depth analysis, both the 521s and 541s feature a powerful 500-watt (RMS) built-in sounder that can scan as deep as 1,500 feet with dual frequency transducer. (The freshwater 531s model goes to 900 feet with its 400-watt, dual-beam setup.) All three models feature Garmin's Ultrascroll™ technology for lightning-fast screen updating.

The GPSMAP® 720s comes with basic worldwide basemap imagery, which can be supplemented with optional BlueChart® g2 or g2 Vision cartography for coverage of specific regions. Moreover, for offshore mariners in North America, the model 740s comes ready to launch with preloaded charts for all U.S. coastal areas, including Alaska and Hawaii plus the Bahamas. Optional plug-in BlueChart® g2 Vision® cards (sold separately) let you upgrade the unit's graphical capabilities to include such premium features as true 3-D mapping perspective – both above and below the waterline – plus "real picture" aerial reference photos, and Auto Guidance technology to scan relevant chart data and visually suggest the best passageways.

viewing platform ever. In addition, access to Auto Guidance capability (also provided with g2 Vision) helps you navigate on the map with easy-to-follow suggested passageways. You can also access XM WX Satellite Weather* and XM Radio* entertainment across the U.S. by adding the optional GXM™ 51 antenna/receiver (sold separately). The GPSMAP® 526s comes with basic worldwide satellite internal map imagery, which can be upgraded with optional g2 Vision cartography. The 536s adds preloaded U.S. inland lakes data, with cartography for thousands of navigable lakes and waterways. Finally, for offshore mariners, the model 546s comes with built-in charts for all U.S. coastal areas, including Alaska and Hawaii plus the Bahamas. Detailed 3-D view map imagery (with optional g2 Vision card) provides the ultimate in situational awareness – both above and below the waterline.

GPSMAP® 421s/431s/441s

Don't let the small size fool you. These compact Garmin combo units are surprisingly big on performance. All three feature ultra-bright 4-inch QVGA color displays. And since they come with built-in sounder and preloaded map software, they're ready for action right out of the box. The GPSMAP® 421s features basic imagery of shorelines, roads, cities and surface features on its worldwide basemap. The 431s adds "on the picture" navigation with built-in U.S. inland lake map detail. And the 441s takes the detailed mapping offshore with preloaded marine cartography for all U.S. coastal waters, including Alaska and Hawaii, as well as the Bahamas. Both the 421s and 441s offer NMEA 2000 data connectivity and a new high-sensitivity GPS receiver. Plus, all three units offer split-screen viewing of map and sounder data for easy, continuous reference. Powerful 500-watt (RMS) analog sounders on the 421s and 441s can scan as deep as 1,500 feet (with dual frequency transducer), while the 400-watt sonar on the freshwater 431s model can scan to 900 feet with its dual-beam transducer. All three units feature Garmin's Ultrascroll™ technology for high-speed updating of the sonar display.





GARMIN FISHFINDERS

For boaters who want to see their chartplotter and sonar data on separate displays, Garmin's 300/400 series stand-alone fishfinders are the perfect match. With powerful transmitters, bright sunlight-readable color displays, and a host of easy-to-use features, these robust units are readily configurable for freshwater or saltwater use. Garmin Ultrascroll™ technology assures lightning-fast screen updates. And enhanced software features serve to minimize clutter on the display while maximizing target definition in all conditions. If you want to see more clearly what's worth watching beneath your boat, you simply can't go wrong with a Garmin fishfinder onboard.



FISHFINDER 400C

Who says you need a big fishfinder to catch big fish? Garmin proves otherwise with the compact Fishfinder 400C. The big ones are always easy to spot on the 400C's crisp, ultra-bright 4-inch QVGA color display. Operation is super-straightforward. And with a choice of dual-frequency or dual-beam transducers, it's easy to configure the sounder for either freshwater or saltwater use. The 400-watt (RMS) dual beam version offers a wide fish-finding cone and reaches depths to 900 feet, while the 500-watt (RMS) dual frequency setup can go as deep as 1,500 feet. Both versions feature Ultrascroll™ for screen updates at live-action speeds.

FISHFINDER 300C

Want to catch more fish without breaking your budget? This great-looking Garmin unit is the answer. Featuring a crisp, sunlight-viewable 3.5-inch QVGA color display, the 300C packs a lot of performance into a surprisingly compact format. With 150 watts RMS, it has the power to look deep – down to 900 feet. And its dual-beam transducer offers wide-angle coverage, so it can scan beyond the sides of your boat to target more fish, even in shallow water. There's UltraScroll™ technology for screen updates at live-action speeds. And the new streamlined user interface makes it easy to select modes and features – so you can focus more on fishing, and less on operating your fishfinder.



GARMIN LAND/SEA PORTABLE CHARTPLOTTERS

Turns out, you can take it with you. Whether you're riding the waves or cruising the boulevards, these versatile dual-use navigators are ready to go whenever you are. Rugged, waterproof, and loaded with features, they accept both nautical cartography and detailed City Navigator® NT street mapping – so they're equally at home on land or water. Crisp, color LCD screens provide excellent mapping detail in any lighting condition. And quick-release mounts let you easily transfer your GPS from boat to car and back. For guidance that doesn't stop at the shoreline, Garmin gives you plenty of smart choices.

GPSMAP® 640/620

Whether you're riding the waves or rolling down the highway, Garmin's versatile GPSMAP® 640/620 series portables are the ultimate in amphibious navigation. These compact hybrids combine the touchscreen interface and satellite imagery from Garmin's top-of-the-line marine chartplotters with the easy-to-use simplicity of the popular nüvi® street navigation units. Offering easy customization of charts, the GPSMAP 620 comes with a worldwide basemap – which can be augmented with optional BlueChart® g2 or BlueChart® g2 Vision® software for detailed coverage of specific regions (sold separately). For North American users, the GPSMAP 640 arrives ready for action right out of the box: Detailed U.S. coastal charts (including Alaska,

Hawaii, and the Bahamas) come pre-installed on the unit. So do City Navigator® NT street maps with coverage for the U.S., Canada and Puerto Rico. All the maps look great on that crisp 5.2-inch WVGA display. And there's even support for premium BlueChart® g2 Vision features (sold separately) such as true 3-D perspective views, aerial reference photos, and marine Auto Guidance capability. The GPSMAP 640 will also accommodate XM™ WX Satellite Weather* data – including NEXRAD imagery – via the optional GXM 40 smart antenna (sold separately). Plus, you can link to XM Radio entertainment and XM NavTraffic coverage as well.

*Separate subscription required.



GARMIN FUEL SENSING AND MONITORING

For boaters who want to maximize cruising range while accurately monitoring their fuel use and flow rates, Garmin's latest electronic sensing technology can make a world of difference. Designed to work with most gasoline-powered inboard, I/O and outboard marine engines, Garmin fuel sensors let you see how fuel usage varies at different engine speeds and operating conditions. So, there's no guesswork. No "pushing your luck." By precisely monitoring fuel flow and fuel used data, you can make the most of your time on the water – and still be sure of having ample fuel reserves to safely make it back to port.

GFS™ 10 FUEL SENSOR

Providing fuel flow and fuel used measurements to your Garmin chartplotter or compatible instrument display, the GFS™ 10 sensor system helps optimize performance while taking the worry out of fuel management. This high-tech sensor tracks fuel flow rates and sends the data to your chartplotter via Garmin CANet or NMEA 2000 connections. Unlike other fuel flow sensors, the GFS 10 will support fuel level sensing capability when used with an analog fuel gauge or resistive fuel tank sensor. The sensor won't interfere with the operation of your boat's existing analog fuel gauge. And multiple fuel sensors can be connected for boats with multiple engines or tanks.

NMEA 2000 ANALOG ADAPTERS

Want to bring your existing analog helm into the digital age? These affordable Garmin adapters are the perfect upgrade solution. Simple to install, each adapter takes signals generated by your traditional gauges* and sensors, and then converts that data into NMEA 2000 output. This enables the data to be channeled through your vessel's NMEA 2000 network for digital display on Garmin's all-purpose GMI™ 10 multifunction instrument. Thus, you don't have to give up your existing analog equipment to enjoy all the advantages of a modern Garmin glass suite at your helm.

*Intended for use with most single or dual coil analog gauges.



SATELLITE WEATHER

To enhance the safety and enjoyment of every hour you spend on the water, most of the newer Garmin chartplotters offer support for the latest XM WX™ Satellite Weather links (subscription required). Coverage extends across the continental U.S. and several hundred miles offshore. Featuring many of the same high-resolution NEXRAD graphics you see on TV, the XM WX service continuously transmits up to 20 different types of nautical weather analysis, including forecasts, current conditions, wind data, wave data, buoy data, lightning, county warnings, and so on (depending on the XM subscription package selected). To keep things even more interesting, you can add over 170 channels of high-quality XM Satellite Radio entertainment – music, sports, news, talk and more – for an additional monthly fee.

GXM™ 51 EXTERNAL RECEIVER/ANTENNA

Delivering U.S. graphical weather data directly to your compatible Garmin chartplotter, this sleek, watertight XM satellite receiver/antenna offers easy plug-and-play installation with NMEA 2000 network connectivity. The integrated all-in-one design means there's no remote "black box" to install. And since the GXM 51 can be powered directly through the NMEA 2000 bus, there's no separate power connection required. In addition to conventional pole- or flush surface mounting, the unit can also be installed on the underside of many fiberglass decks, using the included under-deck mount. A wide spectrum of weather information – including NEXRAD, lightning, wave heights, water temps, wind data, and more – can be accessed from your chartplotter screen (depending on the XM WX package selected). Plus, you can even use the GXM 51 to enjoy over 170 channels of quality audio entertainment via XM Satellite Radio (subscription required).

HOMEPORT™ MARINE PLANNING SOFTWARE

A great voyage starts with a smart plan. And now, with the introduction of HomePort™ planning software, Garmin gives you the tools to more easily plan and review all of your offshore adventures. This PC desktop application works with the existing BlueChart® cartography data from your preloaded chartplotter or preprogrammed data card to help you plan and manage trips, routes, tracks and waypoints – and then transfer them between your computer and your chartplotter. In addition, the HomePort application can help you predict fuel usage, tides, depth profiles, and more. Once your chart data is uploaded to HomePort, you can use it to plot a course that avoids hidden underwater hazards and keeps your vessel at a safe distance from shallow or rocky shorelines. HomePort also enables you to measure distance and bearing between waypoints, and it will even help calculate your estimated travel time for each leg of the voyage. You can save your PC planning files and trip profiles for future use. And once you've planned your route, it's easy to transfer the data from the computer back to your chartplotter via plug-in micro SD™/SD™ data card. For mariners who make trip planning a real priority, there's nothing like having the HomePort advantage.

AIS TRAFFIC MONITORING

Using the Universal Shipborne Automatic Identification System (AIS), Garmin has developed an innovative system of "black box" modules that aid in collision avoidance – by enabling mariners to identify and monitor other AIS-equipped vessels in their vicinity. Users can display these nearby targets on compatible Garmin chartplotters, while relying on their own AIS transponder signals to keep other AIS-equipped boats apprised of their relative location. Operating in the VHF maritime band, Garmin AIS systems offer monitoring of both Class A and Class B system transmissions. And digital select calling (DSC) capability can even be used to provide AIS target calling directly from your chartplotter screen. Thus, in crowded channels or under low-visibility conditions, it's easy to call and verify any potential traffic conflict. Garmin AIS units are NMEA 2000 certified, so network connection with your chartplotter is easy and fast. Plus, a built-in VHF "splitter" lets you utilize the existing radio antenna on your boat – so there's no need to add a separate AIS antenna.

AIS 600

Enabling ships to transmit and receive target signals for ID, position, direction, and other vital data, the Garmin AIS 600 is a full "see and be seen" maritime traffic avoidance system. Its built-in GPS receiver provides exceptional positioning accuracy. And with NMEA 2000 connectivity, it easily interfaces with compatible chartplotters – allowing AIS data to be graphically overlaid on the navigation display. By connecting a Garmin VHF radio, automatic AIS target calling (using discrete MMSI numbers) can be accessed directly from the chartplotter screen. And since the AIS 600 includes a unique built-in active splitter with ClearTrak™ technology that combines radio and AIS in a single VHF antenna, installation is quick and easy. The active splitter ensures that all VHF and AIS communications are sent and received without signal loss or interruption – while ClearTrak™ maintains uninterrupted AIS traffic position transmission, even when the VHF radio is in use. Featuring a 2-watt Class B transmitter and dual channel receiver, the "black box" AIS 600 offers boaters a significant advance in nautical traffic management and safety.

AIS 300

A lower-cost traffic alerting option, the AIS 300 is a "listen only" receiver that enables wireless monitoring of other nearby AIS-equipped vessels that may pose a collision risk. Reception of both Class A and Class B transmissions is provided. And position data can be overlaid on compatible chartplotter displays via NMEA 2000 network interface.



Chartplotters

Fishfinders



	GPSMAP® 740	GPSMAP® 720	GPSMAP® 546	GPSMAP® 541	GPSMAP® 536	GPSMAP® 526	GPSMAP® 531	GPSMAP® 441	GPSMAP® 431	GPSMAP® 421	GPSMAP® 640	GPSMAP® 620	Fishfinder 400C	Fishfinder 300C	
Dimensions:	8.8"W x 5.6"H x 3.1"D (22.4 x 14.2 x 7.9 cm)	8.8"W x 5.6"H x 3.1"D (22.4 x 14.2 x 7.9 cm)	5.9" W x 6.4" H x 2.9" D	5.9" W x 6.4" H x 2.9" D	5.9" W x 6.4" H x 2.9" D	5.9" W x 6.4" H x 2.9" D	5.9" W x 6.4" H x 2.9" D	5.7" W x 5.0" H x 2.9" D	5.7" W x 5.0" H x 2.9" D	5.7" W x 5.0" H x 2.9" D	5.9"W x 4"H x 1.9"D (15.0 x 10.2 x 4.8 cm)	5.9"W x 4"H x 1.9"D (15.0 x 10.2 x 4.8 cm)	5.7" W x 5.0" H x 2.9" D	4.5" W x 4.5" H x 2.4" D	
Display Type:	WVGA	WVGA	4096 capable color VGA, sunlight-readable	4096 color QVGA, sunlight-readable	4096 capable color VGA, sunlight-readable	4096 capable color VGA, sunlight-readable	4096 color QVGA, sunlight-readable	4096 capable color QVGA, sunlight-readable	4096 capable color QVGA, sunlight-readable	4096 capable color QVGA, sunlight-readable	WVGA	WVGA	4096 capable color QVGA, sunlight-readable	4096 capable color QVGA, sunlight-readable	
Screen Size:	7.0" diag. (17.8 cm)	7.0" diag. (17.8 cm)	5.0" diag. (12.7 cm)	5.0" diag. (12.7 cm)	5.0" diag. (12.7 cm)	5.0" diag. (12.7 cm)	5.0" diag. (12.7 cm)	4.0" diag. (10.2 cm)	4.0" diag. (10.2 cm)	4.0" diag. (10.2 cm)	5.2" diag. (13.2 cm)	5.2" diag. (13.2 cm)	4.0" diag. (102 mm)	3.5" diag. (89 mm)	
Touchscreen:	yes	yes	no	no	no	no	no	no	no	no	yes	yes	no	no	
Resolution:	800 x 480	800 x 480	640 x 480	320 x 240	640 x 480	640 x 480	320 x 234	320 x 240	320 x 240	320 x 240	320 x 240	320 x 240	320 x 240	320 x 240	
Cartography:	Preloaded U.S. coastal marine charts	Worldwide marine basemap	Preloaded U.S. coastal marine charts	Preloaded U.S. coastal marine charts	Preloaded U.S. inland marine charts	Preloaded U.S. coastal marine charts	Preloaded U.S. inland marine charts	Preloaded U.S. coastal marine charts	Preloaded U.S. inland marine charts	Preloaded U.S. inland marine charts	Worldwide marine basemap	Preloaded US Coastal Marine Charts and NA City Navigator	Worldwide marine basemap	N/A	N/A
NMEA In/Outputs:	NMEA 2000, NMEA 0183	NMEA 2000, NMEA 0183	NMEA 2000, NMEA 0183	NMEA 2000, NMEA 0183	NMEA 2000, NMEA 0183	NMEA 2000, NMEA 0183	NMEA 0183	NMEA 2000, NMEA 0183	NMEA 0183	NMEA 2000, NMEA 0183	NMEA 0183	NMEA 0183	NMEA 0183	NMEA 0183, CANet™	NMEA 0183
GPS Receiver:	12 Channel with WAAS	12 Channel with WAAS	12 channel with WAAS	12 channel with WAAS	12 channel with WAAS	12 channel with WAAS	12 channel with WAAS	12 channel with WAAS	12 channel with WAAS	12 channel with WAAS	12 Channel with WAAS	12 Channel with WAAS	N/A	N/A	
Waterproof:	IPX7—submersible	IPX7—submersible	IPX7—submersible	IPX7—submersible	IPX7—submersible	IPX7—submersible	IPX7—submersible	IPX7—submersible	IPX7—submersible	IPX7—submersible	IPX7—submersible	IPX7—submersible	IPX7—submersible	IPX7—submersible	
Track log:	20,000 points; 50 saved tracks	20,000 points; 50 saved tracks	20,000 points; 50 saved tracks	10,000 points; 50 saved tracks	20,000 points; 50 saved tracks	20,000 points; 50 saved tracks	10,000 points; 50 saved tracks	10,000 points; 50 saved tracks	10,000 points; 50 saved tracks	10,000 points; 50 saved tracks	Marine mode: 10,000 points; 20 saved tracks Auto mode: 10,000 points; no saved tracks	Marine mode: 10,000 points; 20 saved tracks Auto mode: 10,000 points; no saved tracks	N/A	N/A	
Transducer:	dual frequency	dual frequency	dual frequency	dual frequency	dual beam	dual frequency	dual beam	dual frequency	dual beam	dual frequency	no	no	Transom mount single freq. (dual beam) or dual freq.	Transom mount single freq. (dual beam)	
Transmit Power:	1 kW (RMS) Dual Freq.	1 kW (RMS) Dual Freq.	up to 1 kW (RMS) Dual Freq.	500 Watt (RMS) Dual Freq.	400 Watt (RMS) Dual Beam	up to 1 kW (RMS) dual beam; 1 kW (RMS) dual freq.	400 Watt (RMS) Dual Beam	500 Watt (RMS) Dual Freq.	400 Watt (RMS) Dual Beam	500 Watt (RMS) Dual Freq.	N/A	N/A	400W (RMS) dual beam; 500W (RMS) dual freq.	150W (RMS) dual beam	
XM WX Weather + Radio for US and Canada Capable:	yes (subscription required)	yes (subscription required)	yes (subscription required)	yes (subscription required)	yes (subscription required)	yes (subscription required)	no	yes (subscription required)	yes (subscription required)	yes (subscription required)	yes (subscription required)	no	no	no	
Mount:	Bail mount with knobs	Bail mount with knobs	Tilt/swivel	Tilt/swivel	Tilt/swivel	Tilt/swivel	Tilt/swivel	Tilt/swivel	Tilt/swivel	Tilt/swivel	Marine mount	Auto friction mount; Marine mount	Tilt/swivel	Tilt	
Sonar:	GPSMAP® 740s	GPSMAP® 720s	GPSMAP® 546s	GPSMAP® 541s	GPSMAP® 536s	GPSMAP® 526s	GPSMAP® 531s	GPSMAP® 441s	GPSMAP® 431s	GPSMAP® 421s	N/A	N/A	capable	capable	

¹Transducer Dependent; ²When using optional GSD 21 Sonar module

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