MARINE

GARMIN

2015

Contents

GARMIN.

New products and features 2015
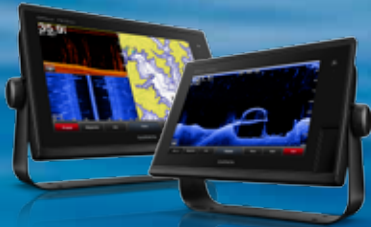
GPSMAP® 7400 series

First class chartplotter/sonar combos with tons of new features.

The new GPSMAP 7400 series are beautiful widescreen multitouch fully networked devices with premium mapping designed for anyone who desires high performance and ease of operation on the water. The combo xsv models provide best in class sonar capabilities, including True CHIRP, DownVü and SideVü.

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New echoMAP™ series

The all-new echoMAP dv and sv series chartplotter/sonar combos.

The all-new echoMAP dv and sv series chartplotter/sonar combos are available with 4", 5", 7" and 9" displays. The dv series includes built-in support for traditional HD-ID™ sonar and Garmin DownVü™. The sv series also adds SideVü™ capabilities for the clearest scanning sonar images on the water.

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GHP™ Reactor Autopilot series

Simply the most responsive autopilot system we have ever offered.

With its solid-state 9-axis AHRS, the GHP Reactor mounts anywhere, in any orientation and requires minimal commissioning. It reacts to the sea to hold course even when your boat is pitching and rolling. The GHP Reactor series offers powerboat and sailing features in all corepacks.

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GSD 25 - Black Box Sonar

Designed for the serious offshore sportfisherman.

The GSD 25 premium sonar module is a remote network solution that provides outstanding fishfinding and bottom tracking capabilities for boats with networked MFD installations or GPSMAP 7400 series chartplotters. It offers dual-channel 1kW CHIRP, plus DownVü™ and SideVü™ sonar.

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The new GMR™ xHD2 series

High-definition open-array radars for yachts and sport fishing boats.

The new GMR xHD2 series high-definition open-array radars has excellent sensitivity, and their consistent target positioning make them perfect for offshore and overnight cruising and fishing. These reliable radars provide invaluable aid in tracking land, other boats, weather or even finding game fish.

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Unlimited transducers

New GT series scanning transducers – a welcome sonar addition.

For any caliber of mariner, from the casual cruiser to the professional angler. Our new range supports both Garmin echoMAP and GPSMAP chartplotters and multifunction displays. Choose from various configurations of traditional, CHIRP, DownVü™ and SideVü™ sonar technology for precisely the type of installation and fishing experience you want.

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GARMIN®

THE POWER OF SIMPLE™

We believe that the power of a tool in itself is not enough to make it the best. This is why you will find high-end features readily available in every model we offer. Because simplicity and reliability is essential for the best user experience possible. That's why we do our best to create the most innovative and user-friendly interfaces you can find.

The result is a wide selection of very complex, sophisticated technology products that are extremely easy to use. Making your time on the water more fun, more rewarding – more simple.

You will find the Power of Simple at work in all our new marine products coming your way in 2015. We believe they are characterised by compelling design, superior quality and best value. We wouldn't settle for anything less. And neither should you.

GARMIN.

Marine Network

Icon key

Networking

Instruments

Autopilots

Radar

VHF & AIS

Black Box Sounders

Fishfinders

Handhelds

Cartography

Accessories

Specifications

Garmin Marine Network

Marine Network **NMEA 2000**

Garmin Marine Network & NMEA 2000 – waterproof networks for leisure and professional boats.

Garmin makes it easy to connect multiple devices and instruments in your boat. Simply combine the Garmin Marine Network with the NMEA 2000 to 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.

All connectors are waterproof and the speed of the network is an impressive 100 Mbit. This means you can simultaneously view radar images, charts, soundings and other information on one or more displays in real time without any delay.

With an almost endless number of options, you can make your on-board network as advanced as you like.

GARMIN®

Icon key

10Hz GPS
Built-in, high-sensitivity 10Hz GPS/GLONASS receiver.

DownVü
DownVü™ scanning technology compatible.

SmartMode
Can change multiple displays simultaneously.

AIS
Can present AIS data via a connected AIS receiver.

Helm App
Compatible with Garmin Helm App.

Sonar
Sonar function included.

Auto Guidance
Automatically suggests the best route based on all the marine chart's attributes.

Marine Network
Compatible with Garmin Marine Network.

Sonar compatible
Compatible with Garmin's sonar module.

Battery
Can be powered by battery.

Media Control
Audio system can be operated directly from your chartplotter screen.

Touchscreen
The product has a touchscreen.

BlueChart g2
Compatible with BlueChart® g2 marine charts.

Multitouch
This product has a screen with multitouch.

Video
Video input included.

BlueChart g2 Vision
Compatible with BlueChart® g2 Vision™ marine charts.

NMEA 0183
Can communicate via the NMEA 0183 interface.

Waterproof
Waterproof according to standard IPX7 (copes with a depth of 1 metre for 30 minutes).

Bluetooth
Can communicate wirelessly via Bluetooth®.

NMEA 2000
Can communicate via the NMEA 2000 interface.

Wi-Fi
Can communicate wirelessly via Wi-Fi.

CHIRP
Sonar incorporating Spread-Spectrum CHIRP technology.

Radar compatible
Garmin radar can be connected.

Digital Switching
Control your virtual devices remotely from a key fob or tablet.

SideVü
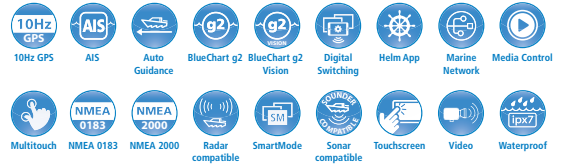SideVü™ scanning technology compatible.

GARMIN®

Marine Network

Icon key

Networking

Instruments

Autopilots

Radar

VHF & AIS

Black Box Sounders

Fishfinders

Handhelds

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GARMIN

Networking & Standalones

GPSMAP® 8500 Black Box Series

10Hz GPS · **AIS** · **Auto Guidance** · **BlueChart g2** · **BlueChart g2 Vision** · **Digital Switching** · **Helm App** · **Marine Network** · **Media Control**

Multitouch · **NMEA 0183** · **NMEA 2000** · **Radar compatible** · **SmartMode** · **Sonar compatible** · **Touchscreen** · **Video** · **Waterproof**

GMM 170 Part no.:
010-01021-00
GMM 170 (6 o'clock view)
Part no.: 010-01021-01

GMM 190 Part no.:
010-01022-00

GMM 150 Part no.: 010-01020-00
GMM 150 (6 o'clock view)
Part no.: 010-01020-01

8500 Part no.: 010-01019-00
8530 Part no.: 010-01019-02

GRID™ Part no.: 010-01024-00

Powerful elegance

Our "black box" option allows a fully integrated glass helm with large 15", 17" or 19" multitouch monitor displays.

The ultimate "black box" chartplotter experience. Install in a low-profile flush mount or custom flat mount for a beautiful and sleek glass helm.
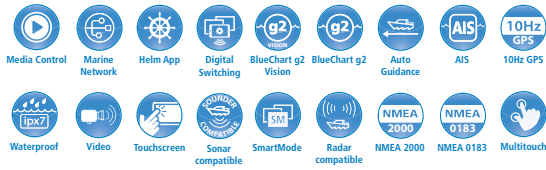
Allows you to customise layouts, data and gauges. Integrates everything, including various sonar technologies, autopilot, connectivity, apps, engine data, weather and multimedia.

The new digital switching system puts full control at your fingertips, either at the helm, remote key fob, or

an app on a tablet. SmartMode™ control allows you to quickly change all screens at a helm in sync to a custom preset mode with a single touch.

Pair with GPS 19x external 10Hz GPS/GLONASS receiver to update position and heading 10 times per second.

Add optional mapping with Garmin Card Reader (sold separately). GPSMAP 8530 comes with worldwide BlueChart® g2 cartography.

Media Control · Marine Network · Helm App · Digital Switching · BlueChart g2 Vision · BlueChart g2 · Auto Guidance · AIS · 10Hz GPS

Waterproof · Video · Touchscreen · Sonar compatible · SmartMode · Radar compatible · NMEA 2000 · NMEA 0183 · Multitouch

8015 Part no.: 010-01018-00

8012 Part no.: 010-01017-00

8008 Part no.: 010-01016-00

GRID™ Part no.: 010-01024-00

The best just got better

Everything changes, and if you want to stay on top you need to change with it. That's why we gave our best series a substantial upgrade, making it even better.

Our updated GPSMAP 8000 series improves upon what was already the best user interface we'd ever made. Dual-core processors join forces with support for multiple sonar technologies. Beautifully designed with powerfully simple full-system integration that gives your boat an exquisite glass finish.

Available in three different screen sizes (8", 12" and 15"), the MFD series lets you customise layouts, data and gauges. Integrates everything, including various sonar technologies, autopilot, connectivity, apps, engine data, weather and multimedia.

The new digital switching system puts full control at your fingertips, either at the helm, remote key fob, or an app on a tablet. SmartMode™ control allows you to quickly change all screens at a helm in sync to a custom preset mode with a single touch.

Pair with GPS 19x external 10Hz GPS/GLONASS receiver to update position and heading 10 times per second.

Marine Network
Icon key
Networking
Instruments
Autopilots
Radar
VHF & AIS
Black Box Sounders
Fishfinders
Handhelds
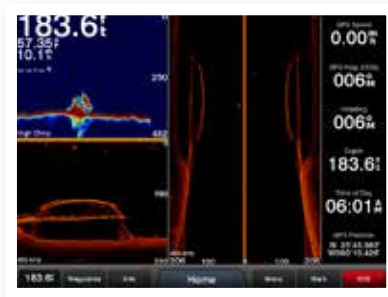Cartography
Accessories
Specifications

Special features and main functions

Digital Switching

Full one-touch helm control of AC mains, charge inverter, and virtual devices.

Sonar support

Get full sonar coverage with both SideVü™ and DownVü™ through GCV 10 or GSD 25 (sold separately).

Camera integration

Video available in every screen for ultimate flexibility. Supports fixed cameras, PTZ cameras and FLIR®.
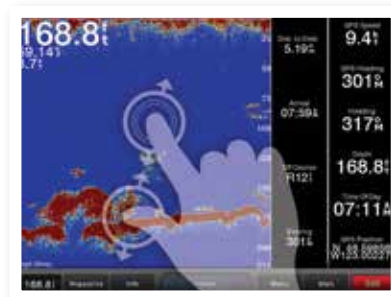

Auto Guidance

Auto Guidance automatically calculates a safe route to your chosen destination[1].

Integrated Autopilot

Easily access your autopilot control from any display.

Multitouch

Touchscreens capable of performing pinch-to-zoom.

Main functions

- GPSMAP 8000 series integrated touchscreen chartplotters available with 8", 12" and 15" displays
- GPSMAP 8500 series black box solution compatible with 15", 17" and 19" Garmin touchscreen marine monitors (sold separately)
- FUSION-Link™ support
- Low profile flush mount or elegant flat mount for a glass helm look
- Pinch-to-zoom your map, radar and sonar screens with multitouch
- SmartMode™ control quickly changes all screens at a helm in sync

- Digital switching puts full control at your fingertips
- Integrates various sonar technologies, integrated autopilot, connectivity, apps, engine data, weather and multimedia
- Customise layouts, data and gauges
- GPSMAP 8000 series includes external 10Hz GPS/GLONASS receiver that updates position and heading 10 times per second
- GPSMAP 8500 series black box can be paired with external GPS 19x 10Hz GPS/GLONASS receiver that updates position and heading 10 times per second

- Compatible with Garmin Helm App and BlueChart Mobile

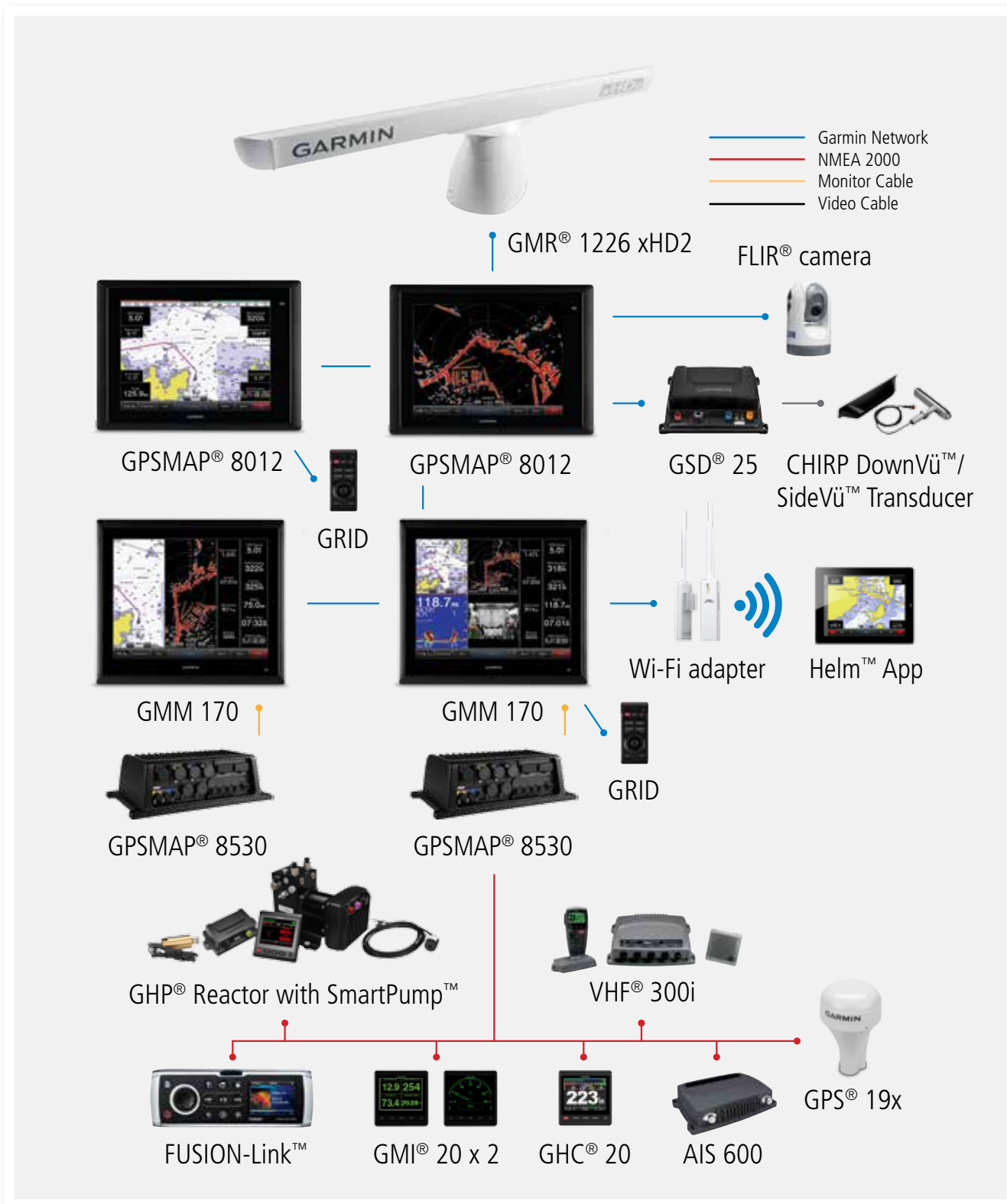**Sailing features**
- Laylines, showing you on screen when to make a tack or gybe
- Show true wind and apparent wind angle at the same time
- Show a heading and a course over ground line simultaneously
- Automatically configure chartplotters optimally for sailing
- Show Upwind/Downwind VMG and VMG to Waypoint to optimise sailing performance

[1] Available with BlueChart g2 Vision (sold separately).

GPSMAP® 8500 & 8000 series

Marine Network

Icon key

Networking

Instruments

Autopilots

Radar

VHF & AIS

Black Box Sounders

Fishfinders

Handhelds

Cartography

Accessories

Specifications

A network system example

Garmin Network
NMEA 2000
Monitor Cable
Video Cable

GMR® 1226 xHD2

FLIR® camera

GPSMAP® 8012

GPSMAP® 8012

GSD® 25

CHIRP DownVü™/
SideVü™ Transducer

GRID

Wi-Fi adapter

Helm™ App

GMM 170

GMM 170

GRID

GPSMAP® 8530

GPSMAP® 8530

GHP® Reactor with SmartPump™

VHF® 300i

GPS® 19x

FUSION-Link™

GMI® 20 x 2

GHC® 20

AIS 600

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Installation options

Bail mount

Expand your options for mounting your chartplotter. Bail mount allows you to install it on any flat surface of your boat (GPSMAP 8008 & 8012 only).

Flush mount

A low-profile flush mount is easy to position and suits most flat surfaces in your boat.

Flat mount

The unique flat-mounted option makes the GPS a part of the dash. No edges or visible covers, just a beautiful clear glass screen.

Digital Switching

How would you like full one-touch helm control of AC mains, charge inverter, and virtual devices on the GPSMAP 8000 and 7400 series? You won't even have to be near the dock to power up your boat, switch on the pumps or control the lights (even the ones underwater). In fact, nearly all of your controls can be accessed from a remote key fob, or an app on your tablet.

FLIR® thermal vision

Don't let darkness and bad visibility drive you off of the water. With thermal night vision, your time on the water is much safer. FLIRs thermal imaging cameras are rapidly finding their way to pleasure crafts and yachts all over the world, as well as to commercial vessels, work boats, fishing boats, cruise ships and many other types of vessels. Is yours one of them?

SmartMode™

SmartMode control allows you to quickly change all screens at a helm in sync to a preset mode with the push of a button.

Fishing

Marine Network

Icon key

Networking

Instruments

Autopilots

Radar

VHF & AIS

Black Box Sounders

Fishfinders

Handhelds

Cartography

Accessories

Specifications

GPSMAP® 7400 series

Icon key | Networking | Instruments | Autopilots | Radar | VHF & AIS | Black Box Sounders | Fishfinders | Handhelds | Cartography | Accessories | Specifications

Marine Network

NMEA 2000 | NMEA 0183 | Multitouch | Media Control | Helm App | DownVü | Digital Switching | CHIRP | BlueChart g2 Vision | BlueChart g2 | Auto Guidance | AIS | 10Hz GPS

Wi-Fi | Video | Waterproof | Sonar | Touchscreen | SideVü | Radar compatible

NEW 2015

7412xsv Part no.: 010-01307-02
7412 Part no.: 010-01307-00

7407xsv Part no.: 010-01379-02
7407 Part no.: 010-01379-00

7410xsv Part no.: 010-01306-02
7410 Part no.: 010-01306-00

7408xsv Part no.: 010-01305-02
7408 Part no.: 010-01305-00

First class chartplotter/sonar[1] combos

The new GPSMAP 7400 series are beautiful widescreen multi-touch fully networked devices with premium mapping designed for fishermen, cruisers, sailors or anyone else who desires high performance and ease of operation.

Main features include seamless integration with various components via NMEA 2000 and Garmine Marine Network, and compatibility with BlueChart® g2 Vision® (with Garmin patented Auto Guidance).

The top of the line combo xsv models provide integrated sonar capablities that allow simultaneous sharing of all internal sonar. They support all of your transducers (even the first single unit dual-CHIRP) as well as DownVü/SideVü scanning sonars for the clearest images.

GPSMAP 7400 series is available in 7", 8", 10" and 12" display sizes.

Main functions

- Multitouch 7", 8",10", 12" widescreen displays
- High-sensitivity 10Hz GPS/GLONASS receiver
- Fast processor for rapid zooming, panning and image updating
- Wireless communication via Wi-Fi
- SmartMode™ control quickly changes all screens at a helm in sync
- Radar compatible
- Autopilot integration
- FLIR® Thermal Camera support
- IP Cameras support
- Composite video input
- DVI-D output (7410/7412 only)
- AIS and DSC Support

- FUSION-Link™ support
- Garmin Helm™ compatible
- NMEA 0183 and 2000 compatible
- BlueChart® g2 & g2 Vision® compatible
- Robust and waterproof (IPX7)
- Two installation options – bracket or flush

Sailing features
- Laylines, showing you on screen when to make a tack or gybe
- Show true wind and apparent wind angle at the same time
- Show a heading and a course over ground line simultaneously
- Automatically configure chartplotters optimally for sailing

- Show true wind direction to data fields
- Show Upwind/Downwind VMG and VMG to Waypoint to optimise sailing performance

Sonar functions 7400xsv series
- Sonar output: up to 1,000 watts (RMS), 8,000 watts (peak to peak), CHIRP: 1000 watts (RMS) 4,800 watts (peak to peak), with 1kW transducer
- Built in CHIRP DownVü & SideVü scanning
- Built in true Dual-Channel CHIRP sonar
- Max depth traditional CHIRP: 1,500 m
- Max depth DownVü: 230 m
- Max width SideVü: 150 m to each side
- Sonar recording
- All-in-one transducer options

[1] xsv models only.

Special features and sonar functions
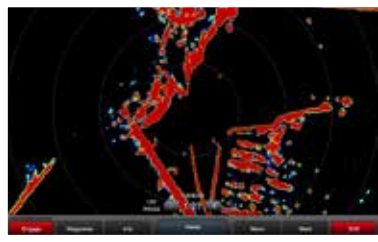
Radar screen

Add your choice of Garmin marine radar, including our powerful xHD2 open array radars or xHD dome radars.
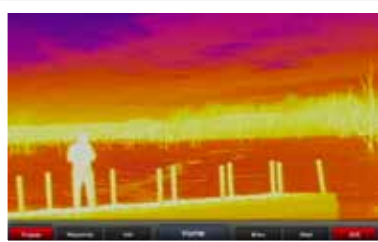

Sailing features

Advanced sailing features such as Virtual Starting Line, Tack Assist mode and Start Countdown Timer.

Advanced gauges

Easy to read digital gauges which are customisable and stunning to view in brilliant color.

FLIR® support

FLIR thermal vision lets you navigate safely in darkness and bad visibility, regardless of weather conditions[1].
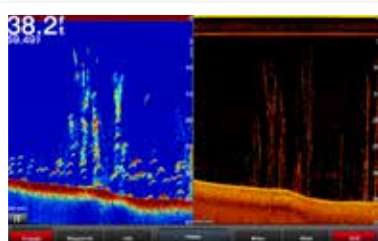

Digital Switching

Full one-touch helm control of AC mains, charge inverter, and virtual devices.

Auto Guidance

Auto Guidance automatically calculates a safe route to your chosen destination[2].

Sonar functions (xsv-models, transducers sold seperatly)

DownVü

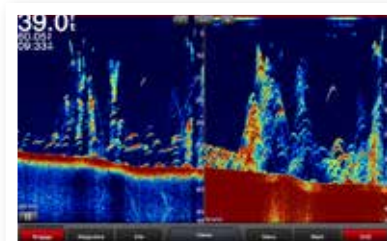Built-in CHIRP DownVü scanning sonar with the clearest images below your boat.

SideVü

Built-in CHIRP SideVü scanning sonar with the clearest images to the sides of your boat.

Dual CHIRP

Built-in high performance 1kW true dual CHIRP sonar solution (8,000W peak to peak).

[1] Available with compatible FLIR camera (sold separately).
[2] Available with BlueChart g2 Vision (sold separately).

A network system example

GMR® 24 xHD

Garmin Network
NMEA 2000
Wi-Fi
Video Cable

GC® 10   FLIR® Camera

CHIRP DownVü™/ SideVü™ Transducer

GPSMAP® 7412   GPSMAP® 7412xsv   Helm™ App

GRID

GFS™ 10

GHP® Reactor Hydraulic   VHF® 300i

GMI® 20 x 2   FUSION-Link™   AIS 600

Icon key | Marine Network | Networking | Instruments | Autopilots | Radar | VHF & AIS | Black Box Sounders | Fishfinders | Handhelds | Cartography | Accessories | Specifications

GPSMAP® 1020xs, 1020, 820xs & 820

10Hz GPS	AIS	Auto Guidance	BlueChart g2	BlueChart g2 Vision	CHIRP	DownVü	Helm App	Media Control	NMEA 0183	NMEA 2000

Radar compatible	SideVü	Sonar	Waterproof	Wi-Fi
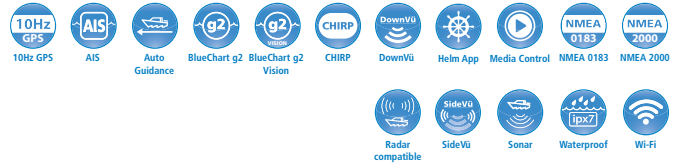
820xs w/o transducer Part no.: 010-01180-01
820 Part no.: 010-01182-00

1020xs w/o transducer Part no.: 010-01183-01
1020 Part no.: 010-01185-00

Pristine plotter meets superb sonar [1]

These versatile combo units support special sailing features, Garmin marine radar, FUSION-Link™ entertainment system and the GCV™ 10 black box that adds both Garmin DownVü™ and SideVü™ scanning sonar with CHIRP technology (sold separately) and much more.

~~The xs-models are compatible with an optional HD-ID™ transducer for DownVü™ with CHIRP technology and 50/77/200 kHz.~~

The built-in 10 Hz GPS/GLONASS reveiver updates your position and heading 10 times per second, and the sonar-recording capability coordinates the timing of the sonar return with your boat's position and saves digital information.

Also, they connect wirelessly to both Apple® iOS and Android devices for BlueChart® Mobile and the Garmin Helm™ app.

Main functions

- 8" or 10" SVGA display with keyed control
- ~~High-sensitivity~~ 10Hz GPS/GLONASS receiver
- Wireless communication via Wi-Fi
- Fast processor for rapid zooming, panning and image updating
- FUSION-Link™ support
- Garmin Helm™ compatible
- NMEA 0183 and 2000 compatible
- BlueChart® g2 & g2 Vision® compatible
- Robust and waterproof (IPX7)
- Three installation options – bracket, flush or flat-mounted

Sailing features
- Laylines, showing you on screen when to make a tack or gybe

- Show true wind and apparent wind angle at the same time
- Show a heading and a course over ground line simultaneously
- Automatically configure chartplotters optimally for sailing
- Show true wind direction to our data fields
- Show Upwind/Downwind VMG and VMG to Waypoint to optimise sailing performance
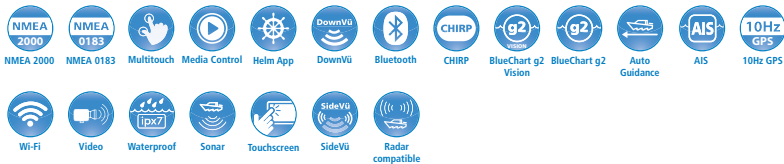
Sonar functions 1020xs/820xs
- Built-in highly acclaimed HD-ID™ sonar technology which also includes built-in Spread-Spectrum[2] CHIRP sonar capability
- Sonar output: up to 1,000 watts (RMS), 8,000 watts (peak to peak), CHIRP: 600 watts (RMS) 4,800 watts (peak to peak), ~~with 1kW transducer~~

- Max depth: 900 metres (with dual freq., 1kW transducer)
- Sonar recording
- Supports GCV™ 10 black box sonar that adds both DownVü™ and Garmin SideVü™ scanning sonar with CHIRP technology (sold separately)
- Compatible ~~with all-in-one~~ transducer for DownVü™ with CHIRP technology and ~~55/77/200 kHz~~
- AutoGain
- Graphic logging of water temperature
- Split-screen zoom for a close-up view of fish and the ocean floor

[1] xs models only.
[2] Spread Spectrum CHIRP technology scans on multiple frequencies at one time, returning vast amounts of data to the receiver. As a result, you can expect precise, shallow-water-like target separation at much greater depths.

Marine Network

Icon key

Networking

Instruments

Autopilots

Radar

VHF & AIS

Black Box Sounders

Fishfinders

Handhelds

Cartography

Accessories

Specifications

NMEA 2000 | NMEA 0183 | Multitouch | Media Control | Helm App | DownVü | Bluetooth | CHIRP | BlueChart g2 Vision | BlueChart g2 | Auto Guidance | AIS | 10Hz GPS

Wi-Fi | Video | Waterproof | Sonar | Touchscreen | SideVü | Radar compatible

GPSMAP® 721xs & 721

Surprisingly diverse 7" touchscreen combo

Featuring special sailing features and quick-reference gauge displays, the GPSMAP 721 series makes your aquatic life better than ever. Compatible with radar, GCV™ 10 black box sonar[1], BlueChart® mapping and sporting a 7″ WVGA color touchscreen with pinch-to-zoom. Network support includes working wireless with your smartphone/tablet (using Garmin Helm™ app).

721xs Part no.: 010-01103-03

721 Part no.: 010-01103-02

Main functions

- 7" LED-lit WVGA touchscreen with multitouch
- High-sensitivity 10Hz GPS/GLONASS receiver
- Fast processor for rapid zooming, panning and image updating
- Wireless communication via Wi-Fi and Bluetooth®
- Radar compatible
- Video input
- FUSION-Link™ support
- Garmin Helm™ compatible
- NMEA 0183 and NMEA 2000
- Robust and waterproof (IPX7)
- Three installation options – bracket, flush or flat-mounted
- Sailing features including laylines

Sonar functions 721xs
- Built in highly acclaimed HD-ID™ sonar technology which also includes built-in Spread-Spectrum[2] CHIRP sonar capability

- Sonar output: up to 1,000 watts (RMS), 8,000 watts (peak to peak), CHIRP: 600 watts (RMS) 4,800 watts (peak to peak), ~~with 1kW transducer~~
- Max depth: 900 metres (with dual freq., 1kW transducer)
- Sonar recording
- Available with ~~all-in-one~~ transducer for DownVü™ with CHIRP technology and ~~77/200 kHz~~
- Supports GCV™ 10 black box sonar that adds both DownVü™ and Garmin SideVü™ scanning sonar with CHIRP technology (sold separately)
- AutoGain
- Graphic logging of water temperature
- Split-screen zoom for a close-up view of fish and the ocean floor

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Wi-Fi | Waterproof | Sonar | NMEA 0183 | NMEA 2000 | Media Control | Helm App | DownVü (xs only) | CHIRP | Bluetooth | BlueChart g2 Vision | BlueChart g2 | Auto Guidance | AIS | 10Hz GPS

GPSMAP® 527xs & 527

Compact and dynamic 5" duo

The GPSMAP 527xs and 527 chartplotters have a crisp 5" VGA display with perfect legibility in bright sunlight and complete darkness. They work at 10Hz to update position and heading 10 times per second, and have a powerful processor delivering excellent performance, unbeatable map processing and panning. Both models feature built-in Wi-Fi and Bluetooth®.

527 Part no.: 010-01094-02

527xs Part no.: 010-01094-03

Main functions

- Crisp 5" VGA display, 640 x 480 pixels
- High-sensitivity 10 Hz GPS/GLONASS receiver
- Wireless communication via Wi-Fi and Bluetooth®
- Fast processor for rapid zooming, panning and updating of the image
- FUSION-Link™ support
- Garmin Helm™ compatible
- NMEA 0183 and NMEA 2000
- Robust and waterproof (IPX7)
- Three installation options – bracket, flush or flat-mounted
- Sailing features including laylines

Sonar functions 527xs
- Supports dual frequency mode (50/200khz) or dual beam mode (77/200 khz)
- Built in highly acclaimed HD-ID™ sonar technology which also includes built-in Spread-Spectrum[2] CHIRP sonar capability
- Sonar output: up to 1,000 watts (RMS), 8,000 watts (peak to peak), ~~with 1kW transducer~~
- Max depth: 900 metres (with dual freq., 1kW transducer) and weak echoes at the same time
- Sonar recording
- DownVü-ready with an optional transducer

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[1] xs models only.
[2] Spread Spectrum CHIRP technology scans on multiple frequencies at one time, returning vast amounts of data to the receiver. As a result, you can expect precise, shallow-water-like target separation at much greater depths.

Auto Guidance[1] – for a safer route

Our patented Auto Guidance was the first of its kind for both fresh and saltwater boating. Since then, it has helped mariners all over the world to avoid charted hazards and obstructions, creating a safe route to chosen destination, according to their boat's specifications.
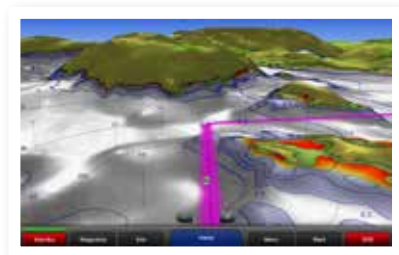
What you need

By adding a BlueChart® g2 Vision™ card to your compatible chartplotter, you can take advantage of patented Garmin Auto Guidance technology.

Creates a safe path

Enter your location, and Auto Guidance instantly searches through relevant charts to create a safe path specifically designed for the dimensions of your boat.

Autopilot support

Engage your compatible Garmin autopilot to follow the Auto Guidance route, and it will automatically keep you on route.
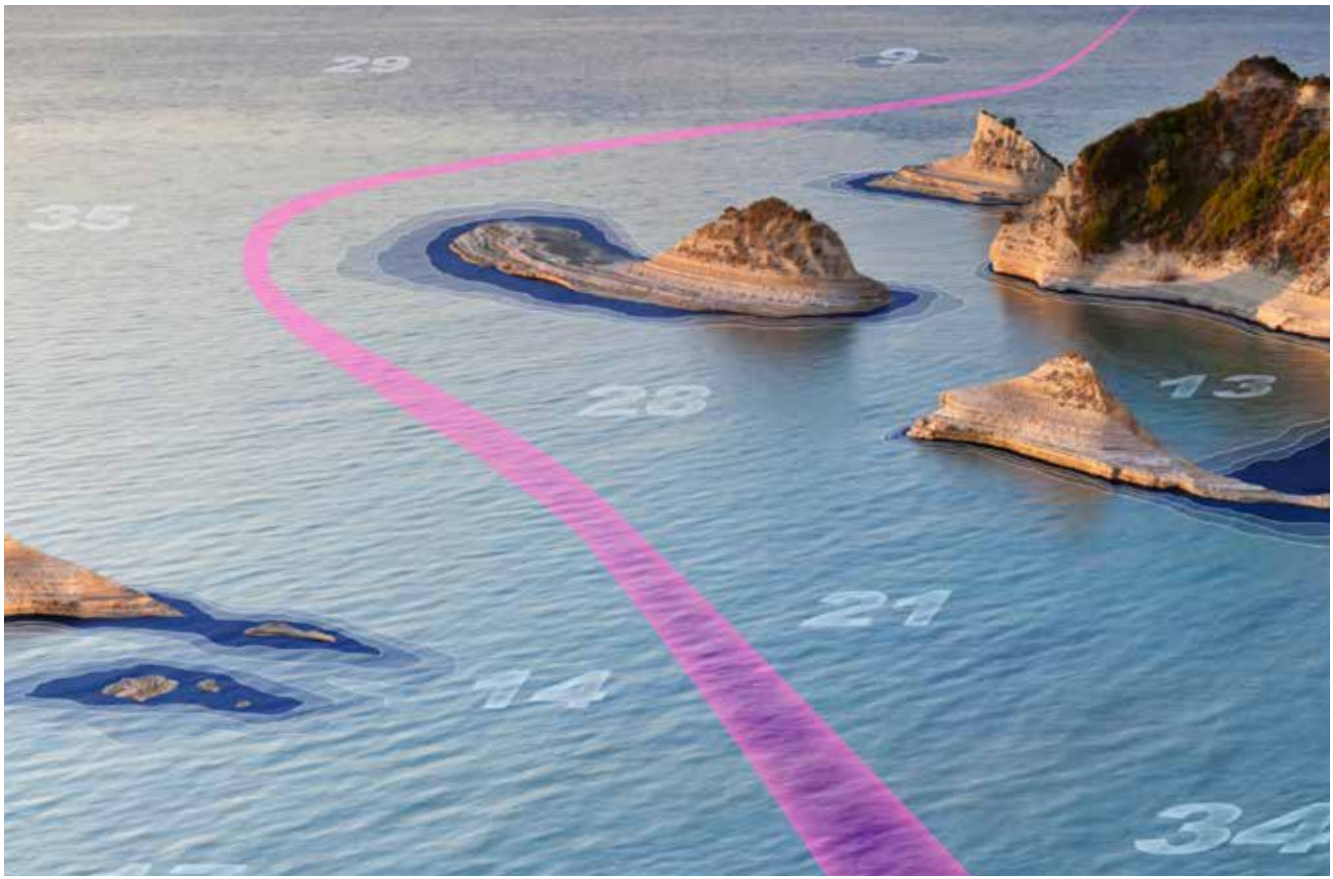
[1] Available with BlueChart g2 Vision (sold separately).

FUSION-Link™ integration

FUSION-Link allows your compatible Garmin chartplotter or combo the ability to integrate with, and use specialized FUSION entertainment functionality, creating a centralized control station for the entire vessel and a more user-friendly experience.

Innovative Multi-Zone™ Control
Volume separation is possible with FUSION's exclusive Multi-Zone control available at the helm, right from your MFD, or for absolute convenience: install a FUSION Wired Remote Control in each listening zone.

FUSION's media bar for ultimate control
Add media bar to ensure you stay informed and in control of your MFD and your entertainment experience at the same time.

iPod Interface
Our compatible MFD's recreate your iPod/iPhone interface enabling you to access your favorite playlist, album, artist or song's with ease, recreating the musical navigation experience you are already well accustomed to.

FUSION range
Our compatible MFD's provide the ability to control FUSION 205 series and all FUSION 700 series capabilities.

FUSION-Link capable products

FUSION-Link

GPSMAP	GPSMAP	GPSMAP	GPSMAP	GPSMAP	GPSMAP
527xs/527	721xs/721	820xs/820	1020xs/1020	7400 series	8000 series
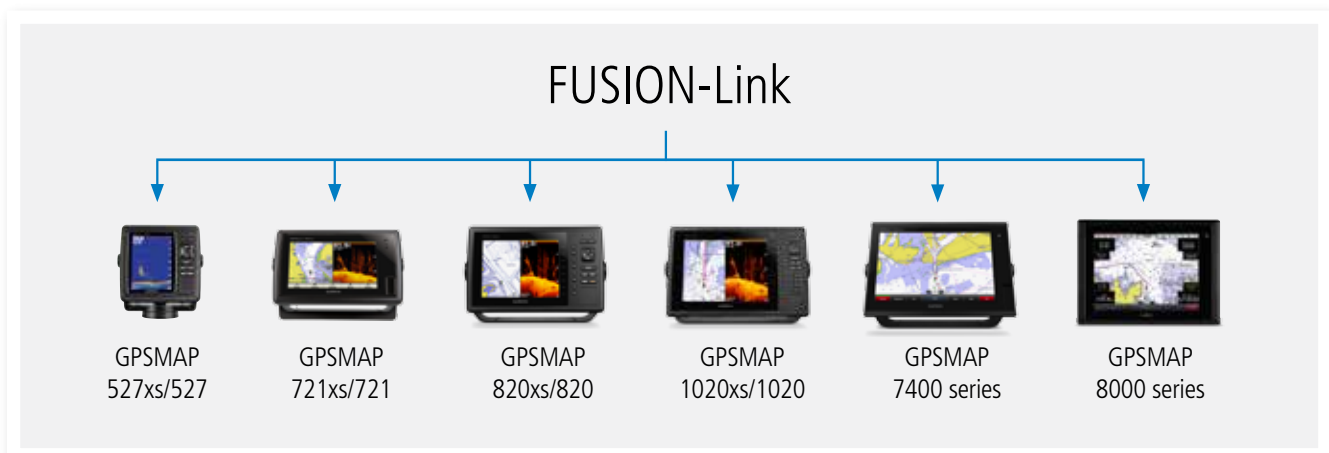
Garmin Helm™ App

Garmin Helm™ App – total freedom and endless possibilities

NEW 2015

Now also compatible with Android.

Download on the App Store

ANDROID APP ON Google play

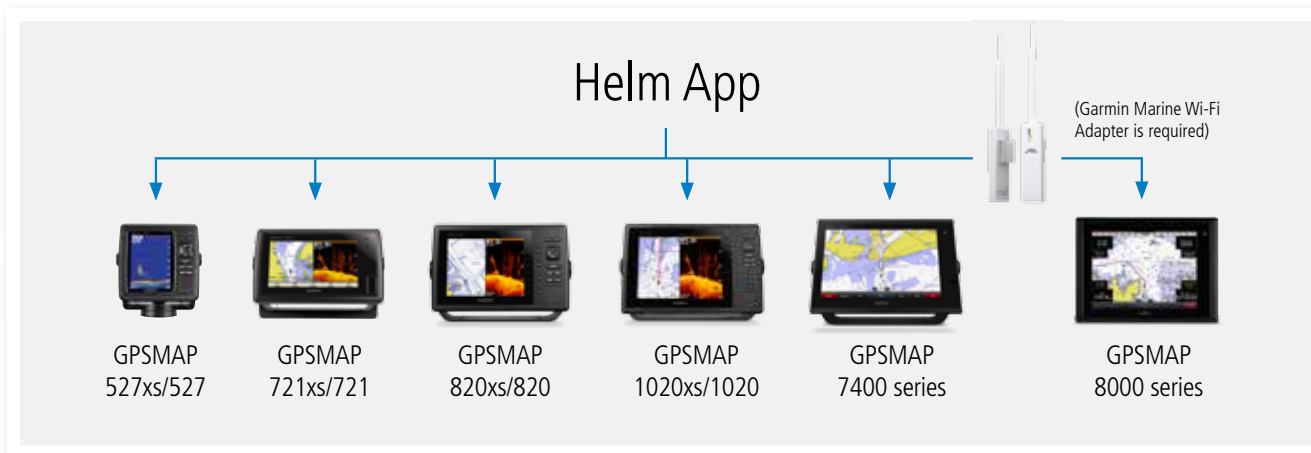Garmin Helm is a free app that provides enhanced situational awareness for the mariner. It allows you to view and control your compatible Garmin GPSMAP devices from your iPhone, iPad or Android device.

Download from iTunes App Store or Google Play, and simply pair the mobile device to your Wi-Fi capable Garmin GPSMAP or Garmin Marine Wi-Fi Adapter (sold separately) for the GPSMAP 8000 series. You can even use multiple devices simultaneously.

Main functions

- View and control chartplotters from iPhone, iPad or Android device
- Maintain enhanced situational awareness for mariners
- Easily switch between chartplotters using thumbnail screen preview
- Works seamlessly with SmartMode™ to group plotter thumbnails by station
- Use simple permission settings on chartplotter to allow or block app access
- Use up to 5 mobile devices simultaneously
- Compatible with Garmin GPSMAP 8000 series via Garmin Wi-Fi Adapter (sold separately)
- An iPhone or iPad can record a movie of your chartplotter screen to share

Helm App capable products

Helm App

(Garmin Marine Wi-Fi Adapter is required)

GPSMAP 527xs/527   GPSMAP 721xs/721   GPSMAP 820xs/820   GPSMAP 1020xs/1020   GPSMAP 7400 series   GPSMAP 8000 series

Sailing features for GPSMAP® series

Laylines

Shows you on screen when you should make a tack or gybe.

Tides and current

Detailed animated view of tides and currents.

New wind rose

Displays true and apparent wind angle at the same time.

Heading and COG

Displays heading and a COG line at the same time.

Wind data fields

Clear presentation of wind data fields.

Wind graphs

Clear graphs of TWD, TWS and AWS over time.

Sailing features capable products

Sailing features

| GPSMAP 527xs/527 | GPSMAP 721xs/721 | GPSMAP 820xs/820 | GPSMAP 1020xs/1020 | GPSMAP 7400 series | GPSMAP 8000 series |

25

| 10Hz GPS | AIS | BlueChart g2 | BlueChart g2 Vision | DownVü | SideVü (sv only) | Multitouch | NMEA 0183 | Sonar | Touchscreen | Waterproof | Wi-Fi |

NEW 2015

72sv Part no.: 010-01386-00

92sv Part no.: 010-01390-00

52dv Part no.: 010-01382-01

42dv Part no.: 010-01281-01

Introducing echoMAP™ – the next generation

The all-new echoMAP dv and sv series chartplotter/sonar combos are available with 4″, 5″, 7″ and 9″ displays. The dv series include built-in support for traditional HD-ID™ sonar and Garmin DownVü™. The sv series also adds SideVü™ capabilities for the clearest scanning sonar images on the water.

5 Hz Internal GPS updates position and heading 5 times per second to make marking (and returning accurately to) waypoints easier.

Single microSD™ card slot provides expandable memory for accessory map purchases such as BlueChart® g2 Vision™ which include Auto Guidance capability.

Cords plug directly into the mount allowing you to quickly install and remove your device from power and mount. Transom and trolling motor mount included.

Main functions

- Multitouch 4", 5" square, 7", 9" widescreen displays
- Internal high-sensitivity 5Hz GPS receiver
- New Quick-Release mount
- User data sharing (with optional cable)
- AIS and DSC Support
- 5,000 waypoints and 100 routes
- 50,000 track log points; 50 saved tracks
- NMEA 0183 compatible
- microSD™ card slot
- BlueChart® g2 & g2 Vision™ compatible
- Two installation options – bracket or flush-mounted

Sonar functions
- Sonar output: up to 500 watts (RMS), 4,000 watts (peak to peak)

- echoMAP dv series come with built-in HD-ID™ fishfinder and DownVü™ scanning sonar capabilites
- echoMAP sv series come with built-in HD-ID™ sonar, DownVü™ and SideVü™ scanning sonar capabilites
- Supports 50/77/200 kHz HD-ID™ sonar
- Max depth traditional HD-ID™ sonar: 700 m
- Max depth DownVü™: 150 m
- Max width SideVü™: 150 m to each side
- Sonar recording
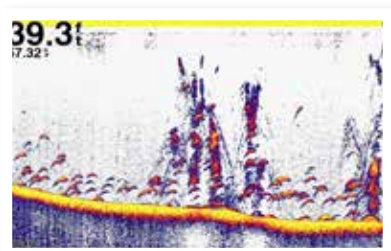- Sonar history rewind
- All-in-one transducer options

Mounting your echoMAP is now faster and easier than ever thanks to our new quick mount accessories.

Marine Network
Icon key
Networking
Instruments
Autopilots
Radar
VHF & AIS
Black Box Sounders
Fishfinders
Handhelds
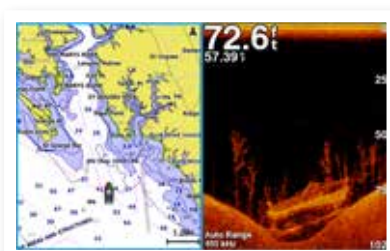Cartography
Accessories
Specifications

DownVü™ Scanning Sonar
Available on all models.

Traditional HD-ID™ Sonar
Available on all models.
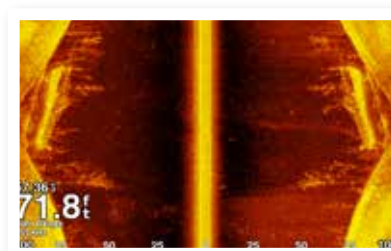
SideVü™ Scanning Sonar
echoMAP 72sv and echoMAP 92sv.

BlueChart® g2 Vision™ and DownVü™ Scanning Sonar
Available on all models.
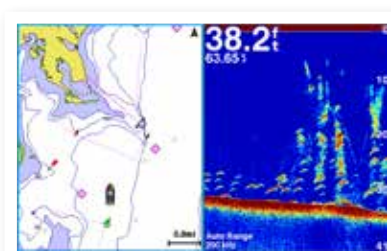
BlueChart® g2 Vision™ and Traditional Sonar
Available on all models.
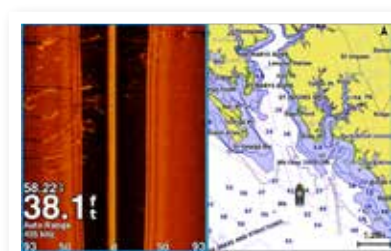
BlueChart® g2 Vision™ and SideVü™ Scanning Sonar
echoMAP 72sv and echoMAP 92sv.

ipx7 Waterproof   NMEA 0183

GPS 158i

The power of simple in a 5" nutshell

158i with GA38 Part no.: 010-01138-02
158i Part no.: 010-01138-03

Get quality GPS tracking with the high-sensitivity GPS 158i, a 5" grayscale standalone GPS with easy-to-use features that fit both your boat and your budget. Mariners will be able to acquire satellite signals quickly and accurately, regardless of their position, thanks to the high sensitivity GPS receiver and WAAS/EGNOS capability. It also features a built-in BNC external antenna connector.

Main functions

- 5" FSTN LCD large display with 4-level grey scale and 480 x 320 pixels
- High-sensitivity GPS receiver
- Includes preloaded worldwide basemap
- Holds up to 3,000 waypoints, 50 routes, and 10,000 track log points
- NMEA 0183
- Internal GPS antenna
- BNC connector for external antenna support
- Easy-to-use interface with 10 input keys
- 10V to 36V input voltage range with protection circuit
- Displays big font highlight of critical information
- Waterproof IPX7

Instruments & Networks

GARMIN.

Marine Network

Icon key

Networking

Instruments

Autopilots

Radar

VHF & AIS

Black Box Sounders

Fishfinders

Handhelds

Cartography

Accessories

Specifications

GNX™ 21 & 20

NMEA 0183   NMEA 2000   Waterproof

Hybrid display marine instruments

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

Perfectly designed for both sail and power vessels, these easy-to-read marine instrument displays clearly show depth, speed, wind and 50+ marine and vessel parameters. With glass-bonded displays they provide excellent readability night and day with high-contrast 36mm digits.

Also, the GNX 21's inverted display makes it easier on the eyes in the dark of night.

Main functions

- Large 4" hybrid monochrome display
- Backlighting with multiple colours
- Glass-bonded lens to prevent fogging
- Low power consumption: consumes only 0,35 W (day - no backlight) / 0,4 W (night - mid-level backlight)
- Large digits up to 36,4 mm high
- Multiple colour schemes
- NMEA 0183 & 2000 compatible
- Powered through NMEA 2000
- Supports 10Hz external GPS input
- Customisable user profiles

Notable Features

Now in your colour
Choose from seven preset backlight colours, or customise one to provide optimal readibility for your own conditions.

Customisable user profiles
Choose from five display configurations for sailboat or powerboat user profiles: single, dual and triple function, Gauge and Graph mode to display wind, depth and speed. Or customise it to suit you the best.

Auto-scroll
Set your display to automatically cycle netween pages at a speed set for your most convenient, hands-free operation.

NMEA® 2000
Monitor more than 50 marine and boat parameters including speed, water depth and temperature, wind direction and wind speed from the NMEA 2000 bus. You can also add a NMEA 0183 device using the optional 7-pin bare-wire power/data cable.

Low power consumption
Perfect for sailors who want to sail for long intervals without having to charge batteries. Using only 25mA with 350mW daytime usage requiring no backlight and just 400 mW with a midlevel backlight setting at night.

Navigation Data.

True Wind Speed / Angle.

Speed Through Water.

Your new multifunction instrument

GMI 20 Part no.: 010-01140-00
gWind bundle Part no.: 010-01248-10
gWind Wireless bundle Part no.: 010-01248-20

The GMI 20 has a bonded 4″ colour screen that displays depth, speed, wind, engine information and over 100 marine and vessel-specific parameters based on your preference. The glass-bonded finish lens prevents fogging and increases contrast. Other features include a dedicated race timer that counts both down and up, with an internal beeper. Also included are two trim snap pieces cover options which allow you to match the GMI 20 with the new GPSMAP 500/700 and GPSMAP 8000 series or legacy Garmin chartplotters.

Main functions

- Large bright 4″ QVGA colour display
- LED backlighting
- Glass bonded lens to prevent fogging
- High contrast and up to 170˚ viewing angle
- Multiple colour schemes and night modes
- New red-black and green-black schemes
- Extra large digits up to 47 mm high
- NMEA 0183 & 2000 compatible
- Powered through NMEA 2000
- Supports 10Hz external GPS input
- Customisable data fields
- Customisable user profiles
- Low power mode to reduce power usage

GPS 19x

GND™ 10

gWind™

GFS™ 10

GMI™ 20

NMEA analogue adapters

Intelligent sensors

Compatible sensors and instruments for GMI 20.
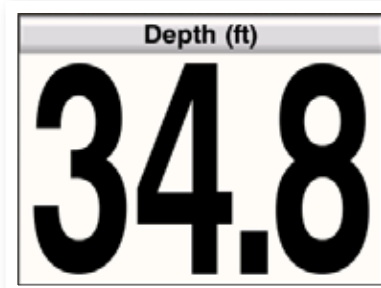
Easy to read with large, clear digits.

Engine and fuel information in the display.

Marine Network
Icon key
Networking
Instruments
Autopilots
Radar
VHF & AIS
Black Box Sounders
Fishfinders
Handhelds
Cartography
Accessories
Specifications

Marine Network

Icon key

Networking

Instruments

Autopilots

Radar

VHF & AIS

Black Box Sounders

Fishfinders

Handhelds

Cartography

Accessories

Specifications

GND™ 10, gWind™ & gWind™ Race

A complete wind system

GND 10 Part no.: 010-01226-00

The GND 10 black box interface seamlessly integrates Nexus instruments and sensors with the Garmin family. It converts data between the Nexus network and NMEA 2000 to provide trouble-free compatibility between Nexus and Garmin products including the gWind, gWind Wireless and gWind Race wind transducers.

Simple plug-and-play installation between Nexus and NMEA 2000, with USB connectivity eliminates the need for user setup and system configuration.

Main functions

GND 10
- Seamless integration between Nexus, Garmin products (NMEA 2000) and USB networks
- Simple plug-and-play operation with no user set-up or system configuration needed
- A breeze to handle and install which provides many advantages

- Integrated key features via the plotter for enhanced sailing functionality

gWind transducers
- Twin-fin design for superior performance and a propeller that lets you get accurate wind data even at low wind speed
- Robust and craftily designed to withstand rough elements

gWind Wireless
gWind Wireless + WSI Box + GND 10
Part no.: 010-01248-00

gWind Wireless bundle v1
gWind Wireless + WSI Box + GND 10 + GMI 20 + DST800 (depth, speed & temperature) Part no.: 010-01248-20

gWind Wireless bundle v2
NEW 2015
gWind Wireless + WSI Box + GND 10 + GMI 20 + GNX 20 + DST800 (depth, speed & temperature) Part no.: 010-01248-40

gWind
gWind + GND 10
Part no.: 010-01227-00

gWind Race
gWind Race + GND 10
Part no.: 010-01228-00

Height: 1 m

gWind bundle v1
gWind + GND 10 + GMI 20 + DST800 (depth, speed & temperature)
Part no.: 010-01248-10

gWind bundle v2
NEW 2015
gWind + GND 10 + GMI 20 + GNX 20 + DST800 (depth, speed & temperature)
Part no.: 010-01248-30

High preciscion compasses

Bulkhead mount compasses are specifically designed for anyone demanding absolute accuracy with a steady card in all conditions and accommodating high heeling angles. Flush and pedestal mount compasses offer absolutely accuracy and a steady card in all conditions, despite the heeling angle. The Elite racing models were developed by the world's top racers and Olympic sailors.

Powerboat compasses

100 series

The 100 series front and top reading compasses have three yellow lubber lines and an apparent scale size of 100 mm. The two side view lubber lines at 45° offset allow easy reading and also allow for mounting the compass to one side of the steering position.

100P
Part no.: 010-01432-00, 100P, bulkhead mount

100NBC
Part no.: 010-01452-00, 100NBC/FBC, bracket or flush mount, illumination, compensator

100BC
Part no.: 010-01450-00, 100BC, bracket mount, illumination, compensator

70 series

The 70 series front and top reading compasses have one main yellow lubber line that allows easy and safe reading at a glance. Apparent scale size of 70 mm.

70
Part no.: 010-01444-00, 70P, bulkhead mount

70NBC
Part no.: 010-01443-00, 70NBC/FBC, bracket or flush mount, illumination, compensator

70FBC
Part no.: 010-01443-00, 70FBC/NBC, bracket or flush mount, illumination, compensator

100FBC

58

85

166 144 80 63

Colours:
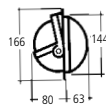
100FBC may be mounted at any angle from vertical to horizontal. Perfect for dashboard mounting. Adjustable illumination in the protection covers. The FBC model has a built-in compensator.

Optimal for smaller power boats. The unique built-in compensator handles even large errors (up to 40°). Equipped with illumination and a bracket that allows for mounting on any surface.

85 is a very stable compass, flush mounted with a flat bottom plate. The construction of the compass card makes the model 85 very well dampened and suitable for high speed and rough conditions.

Part no.: 010-01452-00, 100FBC/NBC, bracket or flush mount, illumination, compensator

Part no.: 010-01439-00 (black) or 010-01440-00 (white), 58 Star, bracket mount, blister, packed 6 pcs in box, illumination, compensator

Part no.: 010-01453-00, 85E Chrome, flush mount, illumination (MN)

Marine Network

Icon key

Networking

Instruments

Autopilots

Radar

VHF & AIS

Black Box Sounders

Fishfinders

Handhelds

Cartography

Accessories

Specifications

Sailboat and racing compasses

70P

70P with apparent scale size of 70 mm. The compact size makes it very easy to install, and popular for smaller sailboats. Suitable for mounting at most angles. One lubber line for easy and safe reading at a glance. Heeling angle 30°.

Part no.: 010-01444-00, 70P, bulkhead mount

102B/H

102B/H has a 100 mm capsule. The cradle is gimballed and a heeling angle scale is displayed on the front. The optional compensator is easy to fit in a holder under the detachable front.
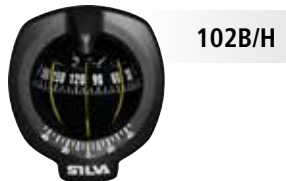
Part. no.: 010-01433-00, 102B/H, bulkhead mount, heeling scale, front cover, black & white front supplied, illumination

100P

The 100P is a bulkhead mounted front reading compass. The 100P is also suitable for mast mounting by using optional mast bracket. Heeling angle 30°.

Part no.: 010-01432-00, 100P, bulkhead mount

100B/H

100B/H is equipped with a heeling angle scale and illumination. The capsule protrudes only 18 mm into the cockpit.

Part no.: 010-01433-00, 100B/H Baltic, bulkhead mount, heeling scale, illumination

125B/H

125B/H is equipped with a heeling angle scale and illumination. The capsule protrudes only 32 mm into the cockpit.

Part no.: 010-01435-00, 125B/H Pacific, bulkhead mount, heeling scale, illumination

125FTC

125FTC is a flush mounted compass with an apparent scale size of 125 mm and a gimballed cradle. This model has a built-in compensator.

Part no.: 010-01436-00, 125FTC Pacific, flush mount with compensator, illumination and armadillo cover

125T

125 is a pedestal compass with an apparent scale size of 125 mm and a gimballed cradle. The standard 175 mm base plate fits most steering pedestals.

Part no.: 010-01437-00, 125T Pacific, white pedestal with armadillo cover, illumination and compensator

85/85E

85E is a very stable compass for small and fast dinghies. Deck mounted with flat underpart. No need for making big holes in the boat.

Part no.: 010-01448-00, 85, black and white rings, flush mount,
Part no.: 010-01449-00, 85E, black and white rings, flush mount, Illumination
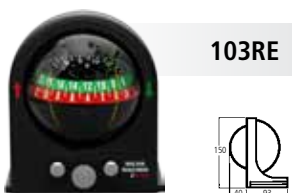
103RE

103RE is designed for the Laser and other dinghies. It has three separate scales and allows the compass to be read from the center of the cockpit or from a hiked position on each tack.

Part no.: 010-01434-00, 103RE Racing Elite

70UN

Universal compass that can be used in its bracket as a steering compass or as a bearing compass when handheld. Suitable for kayaks, dinghies, canoes, small boats and more.

Part no.: 010-01445-00, 70UN Universal, one bracket

70UNE

70UNE has the same features as the 70UN but also a built- in diode illumination that is powered through batteries. Waterproof and floats.

Part no.: 010-01446-00, 70UNE Universal, one bracket, battery illumination

70UN

73R is the perfect combination compass. It has a tactical compass scale on the vertical part of the card and can be installed in any inclination or position with a bracket.

Part no.: 010-01447-00, 73R MiniRacing, one bracket

Accessories and sensors for networks

Main functions

- Better than 1° static course accuracy
- 2° dynamic accuracy at up to 30° of pitch and roll
- 3-axis rate gyro compass with no moving parts provides accurate heading data
- 3-axis rate gyro compass improves heading data in difficult conditions
- Heading data supplied as standard 10Hz for both NMEA 0183 and NMEA 2000 (NMEA 2000 can be increased to 20Hz)
- Simple installation
- Automatic calibration function
- Waterproof according to IPX6
- Dimensions: (HxLxD) 5.1 x11.2 x 11.4 cm

Heading Sensor

NMEA 0183   NMEA 2000

Rate gyro compass Part no.: 010-11417-00

NMEA N2K Adapters:

Available for the following sensors:
- GRA™ 10, Rudder angle adapter Part no.: 010-11324-00
- GET™ 10, Motor tilt adapter Part no.: 10 010-11325-00
- GFL™ 10, Fuel level adapter Part no.: 10 010-11326-00
- GBT™ 10, Bennett Trimplan adapter Part no.: 10 010-11327-00
- GST™ 10, Speed through the water & Temperature adapter Part no.: 10 010-11328-00

NMEA Analogue Adapters

NMEA 2000

Main functions

- Compatible with the GPSMAP 500/700/6000/7000/8000 series and GMI 20 via NMEA 2000
- The GFS 10 only works with petrol-driven engines
- Maximum flow rate: up to 190 litres/h per engine
- Minimum flow rate: 7,5 litres/h

Fuel Sensor GFS 10

NMEA 0183   NMEA 2000

GFS 10 Part no.: 010-00671-00

Main functions

- Supplies data for depth and water temperature
- NMEA 2000 compatible
- Can read depths down to 180 metres
- Also available with log transducer

Intelligent Transducers

NMEA 0183   NMEA 2000

Intelligent transducers Part no.: see page 95

Main functions

- High-sensitivity 10Hz receiver
- 32 channels
- Can handle several GNSS systems, including GPS and GLONASS
- Available in two versions – NMEA 2000 or NMEA 0183
- Designed to cope with even the toughest of conditions
- Easy to install, and can also be fitted below deck (not on metal/carbon decks)
- Compatible with WAAS/EGNOS

GPS 19x & 19x HVS

10Hz GPS   NMEA 0183   NMEA 2000   Waterproof

GPS 19x HVS Part no.: 010-01010-00
GPS 19x Part no.: 010-01010-10

Main functions

- Available in NTSC (US) and PAL (Europe) video standards
- Connects directly to the GPSMAP 6000, 7000, 8000-series and 721/721xs
- Resolution: 480 TV lines
- Effective pixels: 768 x 494 (NTSC) / 752 x 582 (PAL)
- Standard and reverse image presentation
- Works equally well indoors and outdoors

GC 10 Marine Camera

Waterproof

GC 10 Marine Camera Part no.: 010-11372-02
GC 10 Marine Camera, reversed Part no.: 010-11372-03

Main functions

- Optional keypad for full control of all 8000 series
- Rotary knob and joystick for quick menu and screen navigation
- Seamlessly navigate between monitors of a station
- Control single or multiple monitors with one keypad
- Supports multiple keypads per station
- Small size for captain's chair integration

Garmin Remote Input Device (GRID)

Marine Network   Waterproof

GRID Part no.: 010-01024-00

Main functions

- Brings Wi-Fi connectivity to Networking Garmin units
- Enables wireless communication for BlueChart Mobile and Garmin Helm Apps

Marine Wi-Fi Adapter Kit

Marine Wi-Fi Adapter Kit Part no.: 010-11981-30

Examples of system networks

Day cruisers

Garmin Network
NMEA 2000

FUSION-Link™

GHP® Reactor Hydraulic

CHIRP DownVü™/
SideVü™ Transducer

GPSMAP® 7412xsv

VHF® 300i AIS Black

This schematic is for reference only and should not be used in lieu of the Installation Instructions provided with each component of the system. Always refer to the applicable Installation Instructions to ensure that your installation is correct.

Large powerboats
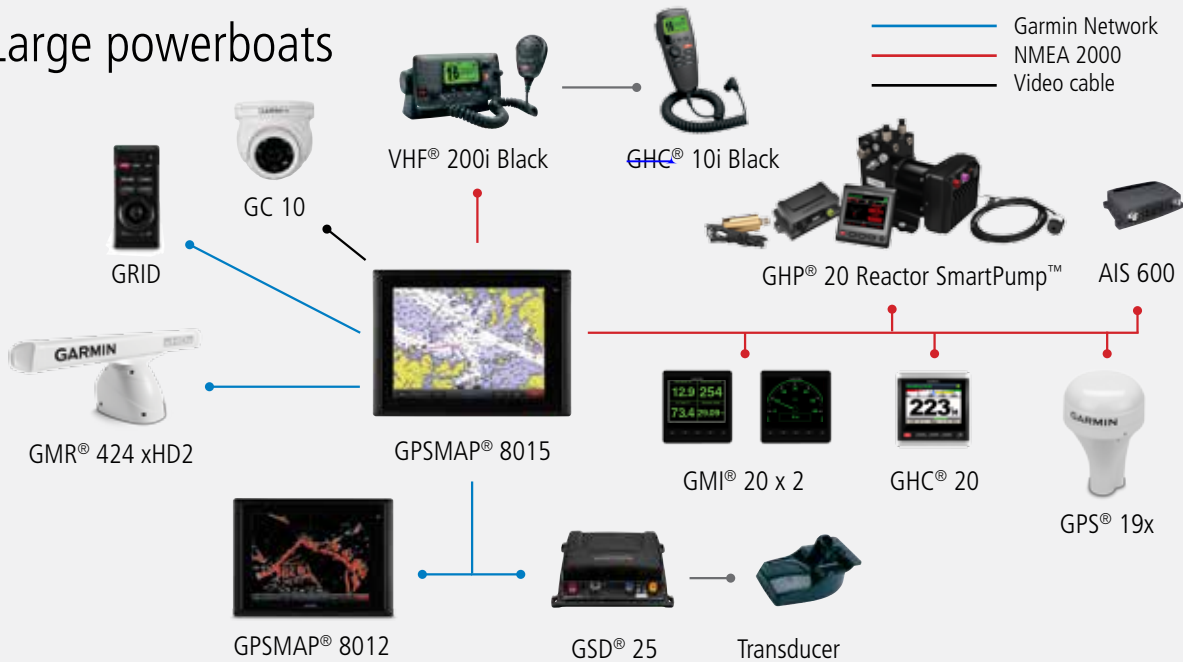
Garmin Network
NMEA 2000
Video cable

VHF® 200i Black   GHC® 10i Black

GC 10

GRID

GHP® 20 Reactor SmartPump™   AIS 600

GMR® 424 xHD2

GPSMAP® 8015

GMI® 20 x 2   GHC® 20

GPS® 19x

GPSMAP® 8012   GSD® 25   Transducer

This schematic is for reference only and should not be used in lieu of the Installation Instructions provided with each component of the system. Always refer to the applicable Installation Instructions to ensure that your installation is correct.

Marine Network

Icon key

Networking

Instruments

Autopilots

Radar

VHF & AIS

Black Box Sounders

Fishfinders

Handhelds

Cartography

Accessories

Specifications

Systems in network

Marine Network

Icon key

Networking

Instruments

Autopilots

Radar

VHF & AIS

Black Box Sounders

Fishfinders

Handhelds

Cartography

Accessories

Specifications

Sailboats

Garmin Network
NMEA 2000

GHS® 20i

VHF® 300i AIS Black

GHP® Reactor Mechanical

GMR® 18 xHD

GPSMAP® 7412

GND™ 10

GNX® 21 x 3

Transducer

FUSION-Link™

gWind™

GPSMAP® 7408

This schematic is for reference only and should not be used in lieu of the Installation Instructions provided with each component of the system. Always refer to the applicable Installation Instructions to ensure that your installation is correct.

Sport fishing boats

Garmin Network
NMEA 2000

VHF® 200i Black

GHC® 10i Black

AIS 600

GHP® Reactor Hydraulic

GMR® 18 xHD

GPSMAP® 7412xsv

GHC® 20

CHIRP DownVü™/
SideVü™ Transducer

GPSMAP® 7410xsv

This schematic is for reference only and should not be used in lieu of the Installation Instructions provided with each component of the system. Always refer to the applicable Installation Instructions to ensure that your installation is correct.
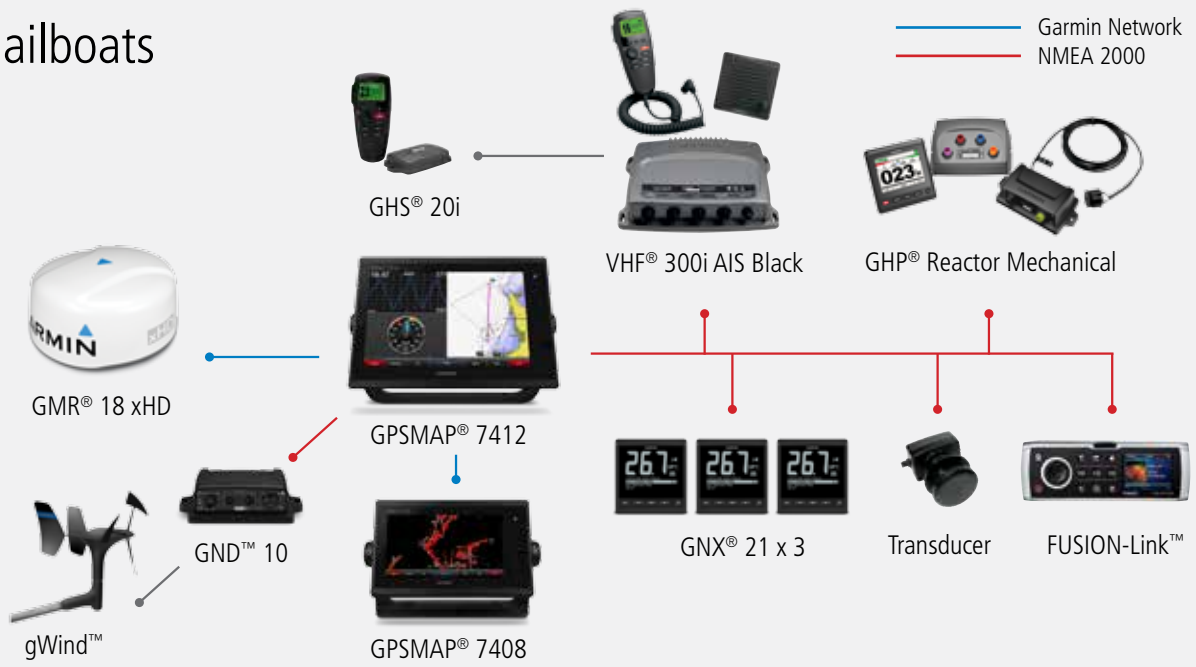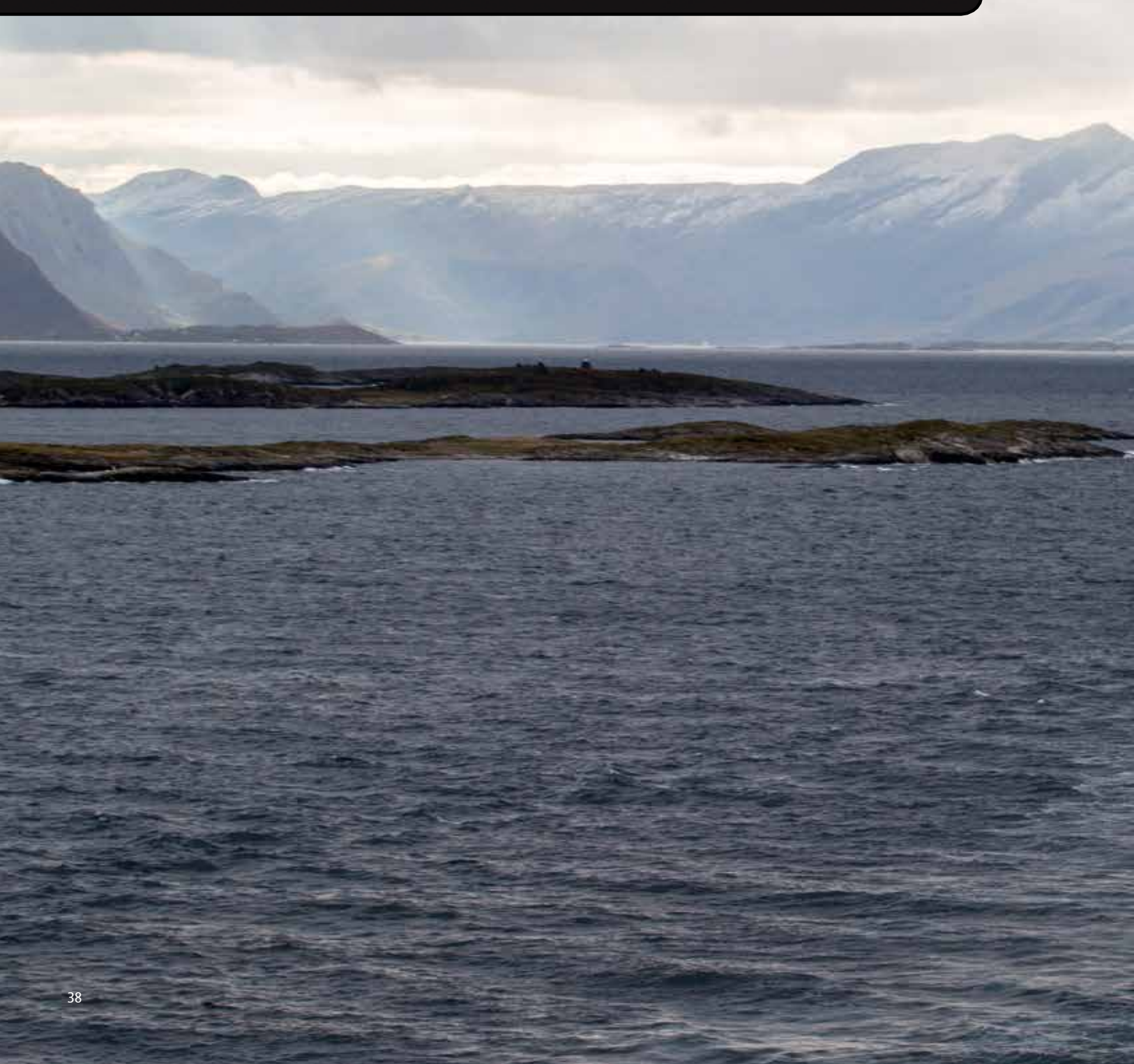
GARMIN®

Autopilots

Marine Network

Icon key

Networking

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Autopilots

Radar

VHF & AIS

Black Box Sounders

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GHP™ Reactor Autopilot series

Here you go – ~~Garmins~~ most responsive autopilot system ever

NEW 2015

Garmin brings an advanced marine technology once only available to commercial boats to the boating public in a complete package designed for powerboats and sailboats. They react to the sea to hold your course, even when your boat is pitching and rolling. They are based on a solid-state 9-axis AHRS that has been developed for autopilots in the aviation industry, and mount nearly anywhere, in any orientation while requiring minimal commissioning[1].

GHP Reactor Autopilots are very versatile. Both powerboat and sailing features are available in all corepacks, including heading hold, wind hold, tack/jibe, step turns and more. However you

take to the water, you'll find a GHP Reactor corepack that is compatible with your existing steering system.

And if you team it up with a compatible Garmin networked chartplotter, you can also enjoy new features like route following, route engage, and Autopilot Virtual Device[2]. Optional features include BlueChart® g2 Vision® charts like Auto Guidance, that automatically steers GPS paths.

With the Garmin Reactor series, you'll have more time to enjoy the voyage.

Key features

- **RELIABILITY** – Solid state 9-axis AHRS (Attitude and Heading Reference System), reacts to the sea to hold course, even when your boat is pitching and rolling
- **UNPRECEDENTED PERFORMANCE** – Our most responsive autopilot system on the water. GHP Reactor series minimizes heading error, course deviation, rudder movement, power consumption, while providing a comfortable ride
- **EASY INSTALLATION** – Innovative technology and form factor allows you to mount anywhere, in any orientation

- **QUICK AND EASY COMMISSIONING** – Minimal commissioning and calibration takes as little as five minutes
- **STEERING SYSTEMS** – Offers a complete package designed for many vessel types and steering systems – including hydraulically steered systems, steer-by-wire systems, solenoid-driven and cable-actuated systems, linear-actuated sailboats and more
- **AUTO GUIDANCE** – Automatically follow an Auto Guidance path when used with a Garmin chartplotter using optional BlueChart g2 Vision charts

- **NEW AUTOPILOT FEATURES** – Provides new features and capabilities to new Garmin chartplotters such as route following, route engage, and Autopilot Virtual Device[2]
- **FLEXIBILITY AND CONTROL** – Add an optional quatix™ GPS marine watch or GHC wireless remote for autopilot control anywhere on your boat
- **NMEA 2000** – Autopilot heading data can be shared easily with other devices on the network

[1] Approx five minutes as opposed to an average of 20.
[2] The Reactor Autopilot series is compatible with the following Garmin GPSMAP chartplotters:
- GPSMAP 4x1/5x1/5x6/7x0/4000/5000/6000/7000 - includes route following features
- GPSMAP 5x7/7x1/8x0/10x0 – includes route following and route engage features
- GPSMAP 7400/8000 – includes route following, route engage and autopilot virtual device features

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GHP™ Reactor corepack guide

GHP REACTOR – HYDRAULIC COREPACK
Part no.: 010-00705-15

Ideal for all types of hydraulically steered powerboats – inboards, outboards, stern drives, diesels. Page 42.

GHP REACTOR – HYDRAULIC WITH SMART-PUMP™ COREPACK
Part no.: 010-00705-65

One SmartPump fits most hydraulically steered boating applications. Page 42.

GHP REACTOR – MECHANICAL / RETROFIT / SOLENOID COREPACK
Part no.: 010-00705-45

Ideal for sailboaters with direct or cable-actuated steering systems. Page 43.

GHP REACTOR – STEER-BY-WIRE STANDARD COREPACK
Part no.: 010-00705-80

Fits vessels with select steer-by-wire control systems, including Yanmar® JC10 Joystick system, Teleflex® Optimus™ systems and ZF® 2800 systems. Page 44.

GHP REACTOR – STEER-BY-WIRE COREPACK FOR YAMAHA® HELM MASTER™
Part no.: 010-00705-81

Brings our GHP Reactor steer-by-wire technology to vessels with Yamaha Helm Master systems. Page 44.

GHP REACTOR – STEER-BY-WIRE COREPACK FOR VOLVO PENTA®
Part no.: 010-00705-85

GHP Reactor steer-by-wire technology for vessels with Volvo Penta IPS and stern drive joystick systems. Page 44.

NMEA 0183   NMEA 2000   Waterproof

Hydraulic corepack – with or without SmartPump™

GHP Reactor hydraulic corepack Part no.: 010-00705-15

GHP Reactor hydraulic with SmartPump corepack Part no.: 010-00705-65

This robust unit gives powerboat users an easy to use autopilot system to rely upon for navigation. The optional SmartPump features a smaller, 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.

Based on a solid-state 9-axis AHRS that has been developed for autopilots in the aviation industry, this GHP Reactor can be mounted nearly anywhere (in any orientation) and only requires

five minutes for commissioning. It minimizes heading error, course deviation, rudder movement and power consumption, all while providing a comfortable ride.

Our patented Shadow Drive™ technology lets you take the wheel at any time without having to press buttons to disengage the pilot first. This makes it quick, easy and safe to change course or dodge obstacles, such as lobster pots. Once back on a straight course, the pilot takes over.

Main functions

- 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 nearly anywhere, in any orientation
- Minimal commissioning and calibration takes just five minutes
- One SmartPump™ fits most hydraulically steered boating applications[1]

- Small, brushless SmartPump delivers better thermal performance, higher reliability, and lower power consumption[1]
- Configurable flow rate from 0 to 2.4 liters per minute[1]
- 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
- Engineered from corrosion-resistant components
- NMEA 2000 interface

- Provides advanced features and capabilities to compatible Garmin chartplotters such as route following, route engage, and Autopilot Virtual Device
- Connects to up to 3 GHC™ control units
- When used with a Garmin chartplotter with optional BlueChart® g2 Vision™ charts, the Reactor autopilot can automatically follow an Auto Guidance path
- Add an optional quatix™ GPS marine watch or GHC wireless remote for autopilot control anywhere on your boat
- Add optional GRF 10 Rudder Feedback sensor to further enhance performance

[1] Smartpump corepack only.

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Waterproof | **NMEA 2000** | **NMEA 0183**

Mechanical corepack – reliably accurate

GHP Reactor mechanical / retrofit / solenoid corepack
Part no.: 010-00705-45

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, particularly if you travel far. That's where this below-deck auto-pilot system comes in, ideally suited for sailboats or powerboats with direct or cable-actuated steering systems.

Based on a solid-state 9-axis AHRS that has been developed for autopilots in the aviation industry, this GHP Reactor can be mounted nearly anywhere (in any orientation) and only requires

five minutes for commissioning. It minimizes heading error, course deviation, rudder movement and power consumption, all while providing a comfortable ride.

Available in three linear drives capable of driving many different steering systems that fit almost any midsize to large vessel (depending on the particular installation). No rudder feedback is required when the autopilot is paired with a Garmin linear drive.
Class A Drive Unit – Up to 14,25 tons of displacement
Class B Compact Drive Unit – Up to 24,2 tons of displacement
Class C Drive Unit – Up to 39,5 tons of displacement

Main functions

- Complete package ideal for sailboaters with direct or cable-actuated steering systems

- 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 nearly anywhere, 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 and capabilities to compatible Garmin chartplotters such as route following, route engage, and Autopilot Virtual Device

- Connects to up to 3 GHC™ control units

- When used with a Garmin chartplotter with optional BlueChart® g2 Vision™ charts, the Reactor autopilot can automatically follow an Auto Guidance path

- Add an optional quatix™ GPS marine watch or GHC wireless remote for autopilot control anywhere on your boat

- Add optional GRF 10 Rudder Feedback sensor to further enhance performance

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NMEA 0183 **NMEA 2000** **Waterproof**

Steer-by-wire – effective autopilot with Shadow Drive™

GHP Reactor steer-by-wire standard corepack
Part no.: 010-00705-80

GHP Reactor steer-by-wire Yamaha® Helm Master™ corepack
Part no.: 010-00705-81

GHP Reactor steer-by-wire Volvo Penta® corepack
Part no.: 010-00705-85

Theese corepacks bring our GHP Reactor 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.

Based on a solid-state 9-axis AHRS that has been developed for autopilots in the aviation industry, this GHP Reactor can be mounted nearly anywhere (in any orientation) and only requires five minutes for commissioning. It minimizes heading error, course deviation, rudder movement and power consumption, all while providing a comfortable ride.

Our patented Shadow Drive™ technology lets you take the wheel at any time without having to press buttons to disengage the pilot first. This makes it quick, easy and safe to change course or dodge obstacles, such as lobster pots. Simply release the wheel, and the pilot takes over.

Main functions

- Solid-state 9-axis AHRS, reacts to the sea to hold course, even when the boat is pitching and rolling
- 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 nearly anywhere, in any orientation

- Minimal commissioning and calibration takes just five minutes
- Patented Shadow Drive™ technology keeps you in control even when the autopilot is engaged
- NMEA 2000 interface
- Provides advanced features and capabilities to compatible Garmin chartplotters such as route following, route engage, and Autopilot Virtual Device
- Connects to up to 3 GHC™ control units
- When used with a Garmin chartplotter with optional BlueChart® g2 Vision™ charts, the Reactor autopilot can automatically follow an Auto Guidance path

- Engineered from corrosion-resistant components
- Add an optional quatix™ GPS marine watch or GHC wireless remote for autopilot control anywhere on your boat
- Add optional GRF 10 Rudder Feedback sensor to further enhance performance

quatix™

Battery **Bluetooth** **Waterproof**

quatix is a highly accurate GPS powered marine watch that features built-in remote capabilities. It allows you to remotely control a Garmin autopilot so you can move around the deck of a power boat or sailboat while having information and control right on your wrist.

Main functions

- Auto pilot control
- Tactical GPS navigator in a rugged marine watch
- Very easy to use with altimeter, barometer and 3-axis compass
- Waterproof to 50 m
- Sight 'N Go navigation

- Wireless connectivity
- Share waypoints, routes and tracks with other compatible Garmin GPS units and apps
- Chronometer includes alarms, chimes and vibration alerts

quatix Part no.: 010-01040-51

GHC™ Remote control

Waterproof

This wireless remote places functionality of your GHC autopilot control display into the palm of your hand. For the ultimate in onboard freedom and convenience, the GHC remote offers on-the-move steering and mode control from the primary helm unit, depending on the installation of the GHC.

Main functions

- On-the-move steering and mode control at distances up to 45 ft (13.72 m)
- Rugged and waterproof
- Built-in digital display
- Bright backlit screen

- Simple, ergonomic keypad operation

GHC Remote control Part no.: 010-11146-00

GRF 10 Rudder feedback sensor

Pair this sensor with the GHP 20 or GHP 12 to provide rudder position feedback to detect and avoid rudder stops. The GRF 10 uses a magnetic sensor to relay position information, eliminating the friction that can cause other types of sensors to wear out. The arm of the GRF 10 is connected to the rudder of the boat and relays position information through the sensor to the mariner so they know where the rudder is.

Main functions

- Know where the rudder is positioned without having to look back
- Make smoother maneuvers and avoid over-compensating

- Save undue wear and stress on the autopilot system by eliminating force on the rudder when it's already stopped left or right

GRF 10 Rudder Feedback Sensor Part no.: 010-11829-00

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The new GMR® xHD2 series is like nothing you've ever seen

NEW
2015

GMR 424 xHD2, 4kW, 4ft Part no.: K10-00012-08
GMR 624 xHD2, 6kW, 4ft Part no.: K10-00012-09
GMR 626 xHD2, 6kW, 6ft Part no.: K10-00012-10
GMR 1224 xHD2, 12kW, 4ft Part no.: K10-00012-11
GMR 1226 xHD2, 12kW, 6ft Part no.: K10-00012-12

GMR 42x xHD2 Pedestal, 4kW Part no.: 010-01333-00
GMR 62x xHD2 Pedestal, 6kW Part no.: 010-01333-01
GMR 12xx xHD2 Pedestal, 12kW Part no.: 010-01333-02
GMR xHD2, 4' Antenna Part no.: 010-01333-03
GMR xHD2, 6' Antenna Part no.: 010-01333-04

The new GMR xHD2 series high-definition open-array radars is designed for serious seafarers of larger yachts and sport fishing boats. Their excellent sensitivity and consistent target positioning make them perfect for offshore and overnight cruising and fishing. These reliable radars provide invaluable aid in tracking land, other boats, weather or even finding game fish.

Bird mode helps you find birds, and thus fish. Dual-range radar provides redundancy for close and long range. Dynamic auto gain

and dynamic sea filter continually adjust to your surroundings and provide optimal performance in varying conditions.

All you have to do is choose what output power you're looking for (4, 6 or 12kW) and the preferred size of your antenna (4 or 6'). The 6' antenna focuses the beamwidth down to just 1.1°. Even the 4' antenna achieves an impressive 1.8° beamwidth. The tighter the beamwidth, the better the more detailed radar image resolution.

Main functions

- xHD2 power and performance, these high sensitivity radars deliver high resolution, excellent target separation, and consistently accurate target positions
- Dual radar support provides redundancy and ability for each display unit on the boat to select data from one of two different radar sources
- Bird Mode helps you to find flocks at the water's surface indicating a hot fishing spot
- Silent rotation and reliable operation
- 8-bit true color display helps discriminate large targets from small ones

- Simultaneously monitor up to ten MARPA targets (optional rate gyro compass)
- Dynamic auto gain and sea filter continually adjusts to your surroundings to provide optimal performance in varying conditions
- Rotation speed: 24 or 48 rpm
- Withstands winds of up to 100 knots
- Antenna diameter:
  - GMR 1224 xHD2 / 624 xHD2 / 424 xHD2 (4 foot)
  - GMR 1226 xHD2 / 626 xHD2 / 426 xHD2 (6 foot)

- Vertical beam angle: 25°
- Emission power:
  - GMR 1226/1224 xHD2: 12kW
  - GMR 626/624 xHD2: 6kW
  - GMR 424 xHD2: 4kW
- Horizontal beam width:
  - GMR 1224 xHD2 / 624 xHD2 / 424 xHD2: 1.8°
  - GMR 1226 xHD2 / 626 xHD2: 1.1 °
- Range: 72 nm max. / 20 metres min
- No complex user settings – easy to install and start using

Special features xHD2
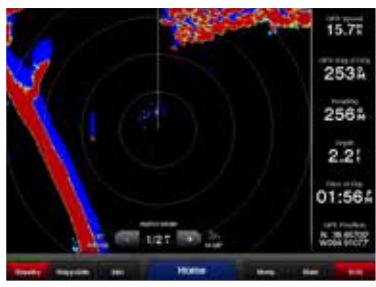
Echo Trails

A historical "trail" is left on the screen to help you quickly identify moving targets and potential collision threats.[1]
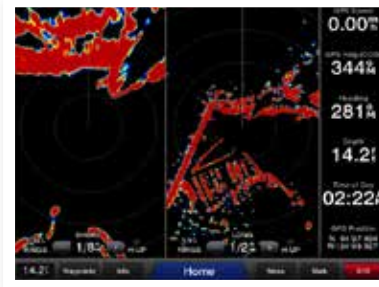
Dual Range

Allows independent split screen display for simultaneous close and long range view.[2]
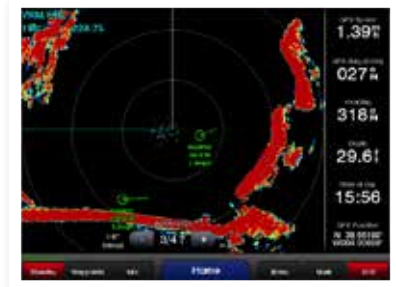
MARPA

Automatic tracking of up to 10 selected targets, helping you keep track of other vessels and avoid collisions.[3]
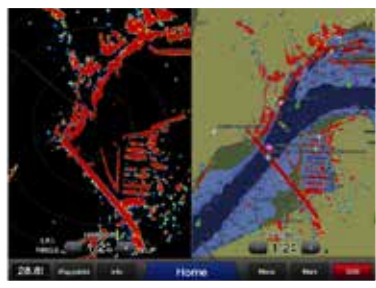
Radar Overlay

Overlays the radar image on the chartplotter's map page.
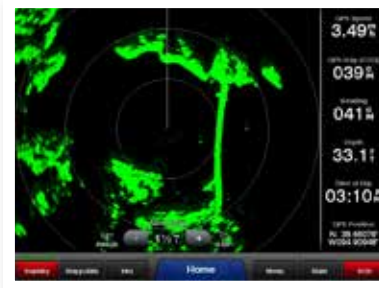
Color Pallets

Choose between a number of different colour settings to fit your needs.[4]
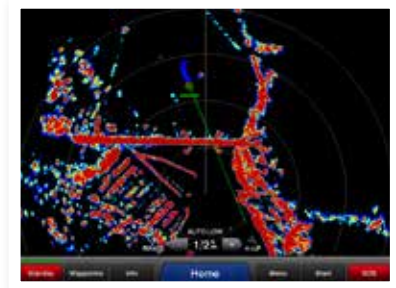
MARPA and Trails

Combine MARPA targets and trails to get a good overview of the vessels around you.[3]
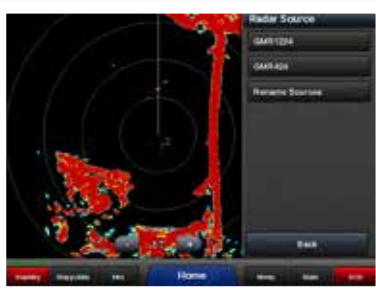
Dual Radar

Dual radar provide the flexibility to install two different radars on the boat for best performance at any range.[5]
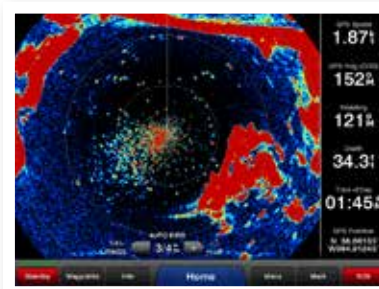
Bird Mode

Choose Bird Mode to find flocks at the water's surface indicating a hot fishing spot.[1]
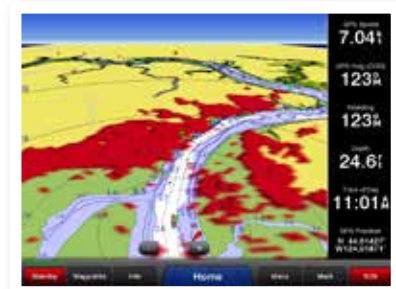
Surface Radar

Display radar returns from the surface of the water when the chartplotter is connected to a marine radar.

[1] Feature is available on GPSMAP® 721, 820, 1020, 7400, 8000 series.
[2] Feature is available on GPSMAP 4000, 5000, 6000, 7000, 7400, 8000 series.
[3] Feature is available on GPSMAP 820, 1020, 4000, 5000, 6000, 7000, 7400, 8000 series. Optional heading sensor is required (sold separately).
[4] Feature is available on GPSMAP 7x1, 820, 1020, 6000, 7000, 7400, 8000 series.
[5] Feature is available on GPSMAP 8000 series.

GMR® 24 xHD & 18 xHD

Waterproof   Marine Network

Precision and power

GMR 24 xHD Part no.: 010-00960-00

GMR 18 xHD Part nr.: 010-00959-00

The GMR 24 xHD and 18 xHD offer advanced digital processing for enhanced performance. The radar echo is displayed on your chartplotter screen with an image up to four times more detailed than that of a conventional radome. Perfectly suited for amateurs and professionals alike, it detects the smallest obstacles both up close and far away with extreme precision.

Main functions

- 4kW emission power for improved discrimination
- MARPA function (rate gyro compass sold separately)
- Horizontal beam width:
  - GMR 18 xHD: 5.1°
  - GMR 24 xHD : 3.7°
- Vertical beam width: 25°

- Maximum range:
  - GMR 18 xHD: 36 nm
  - GMR 24 xHD: 48 nm
- Minimum range: 25 m
- Rotation speed: 24 or 48 rpm
- Withstands winds of up to 100 knots
- IPX7 waterproof

GMR® 18 HD

Waterproof   Marine Network

Affordable HD performance

18 HD Part no.: 010-00572-02

Monitor the horizon with the GMR 18 HD. This 4kw high-definition radome offers excellent performance at a modest price. Its compact 18" diameter makes it ideal for small craft and yachts. With a power of 4 kilowatts, it offers a range of 36 nautical miles.

Main functions

- 4kW emission power for improved target discrimination
- MARPA function (rate gyro compass sold separately)
- Horizontal beam width: 5.1°
- Vertical beam width: 25°
- Maximum range: 36 nm

- Minimum range: 25 m
- Rotation speed: 24 or 30 rpm
- Withstands winds of up to 100 knots
- IPX7 waterproof

Finding the right radar

Radome or open array radar?
The radome has a compact format that easily adapts to the limited space of a small craft, making it ideal for sailing near the coast. Open array radars offer enhanced performance and a greater range, detecting small targets with extreme precision and sharper imagery.

xHD technology and high-resolution images
Our radars incorporate xHD technology for even better digital processing. Thanks to optimisation of the pulse width and repetition frequency, the image provided is four times more detailed (compared to conventional radars). Regardless of distance, the echoes on your chartplotter are clearer, and the targets better defined.

Supported features

	GPSMAP® 8000 series	GPSMAP® 7400 series	GPSMAP® 7000 & 6000 series	GPSMAP® 5000 & 4000 series	GPSMAP® 1020 & 820 series	GPSMAP® 721 series
Echo Trails	✔	✔			✔	✔
Dual Range	✔	✔	✔	✔		
MARPA[1]	✔	✔	✔	✔	✔	
Radar Overlay	✔	✔	✔	✔	✔	✔
Color Pallets	✔	✔	✔		✔	✔
MARPA and Trails[1]	✔	✔	✔	✔	✔	
Dual Radar	✔					
Bird Mode	✔	✔			✔	✔
Surface Radar	✔	✔	✔	✔	✔	✔

[1] Optional heading sensor is required (sold separately).

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VHF & AIS

GARMIN

VHF 300i AIS & 300i

NMEA 0183 · NMEA 2000 · Waterproof

Black box VHF with optional AIS

The VHF 300i and VHF 300i AIS are space-saving "black box" VHFs, that offer support for multiple communication stations and options for dual band AIS receivers. The design allows out-of-sight installation, enabling you to save valuable space on your instrument panel. The entire device can be operated from a GHS™ 10i, a full-function remote control that also works as a microphone.

300i Part no.: 010-00756-11
300i AIS Part no.: 010-00757-11

Main functions

- "Black box" design saves space at the helm
- Up to 25W transmission output
- All functions and settings are managed via the GHS 10i (supplied)
- 4" active speaker with volume knob (supplied)
- Initiate a VHF call directly from your Garmin NMEA 2000 plotter and VHF
- Full Class D Digital Selective Calling (DSC) with built-in DSC receiver
- NMEA 2000/NMEA 0183 interface
- Position tracking – locate and follow up to three other boats
- Two-way hailer function with compatible speaker
- The VHF 300i and VHF 300i AIS are compatible with the GHS 10i and GHS 20i
- Records 90 seconds of the latest call
- Available in either black or grey
- Three ports for additional VHF stations
- Use as intercom between stations

VHF 200i & 100i

NMEA 0183 · NMEA 2000 (only 200i) · Waterproof

Robust lifelines in all weathers

The VHF 200i and VHF 100i are high-quality marine radio systems packed with functionality and options. These robust, waterproof (IPX7) VHF systems are ideal lifelines in all types of weather. They provide outstanding performance with up to 25 watts of transmit power and exceptional noise suppression. The 3.2" display with at-a-glance graphics and the three large multi-function buttons add to the user-friendliness.

100i Part no.: 010-00754-11
200i Part no.: 010-00755-11

Main functions

- Extra large 3.2" display with adjustable backlighting
- Up to 25W transmission output
- LOCAL receiver mode for improving reception performance in areas with dense radio traffic
- Initiate a VHF call directly from your Garmin NMEA 2000 plotter and VHF
- Full Class D Digital Selective Calling (DSC) with built-in DSC receiver
- NMEA 2000 (only 200i) and NMEA 0183 interface options
- Position tracking options
- The VHF 200i is compatible with the GHS 10i and GHS 20i to add additional stations
- Knobs for adjusting volume, squelch and choice of channel
- Available in either black or grey

Greater flexibility on board

The GHS 20i and 10i give you full-function control over your VHF. The GHS 20i is a wireless remote handset that lets you maintain control as you move about on board. Designed for quick and easy use, the system features a volume, squelch and channel adjustment knob and a dedicated channel 16 selection key. The GHS 20i and 10i are compatible with the VHF 300i, 300i AIS and 200i. Both models support DSC (see below).

GHS 20i, complete with wireless station
Part no.: 010-11190-10
GHS 20i, handheld unit only
Part no.: 010-11190-11

GHS 10i Part no.: 010-11188-10

Main functions

- Sharp 2" LCD display
- Dedicated buttons for channels and frequencies
- Multi-function buttons for other settings and functions
- Dedicated button for selecting channel 16

- Microphone that provides you with intercom options when it is connected to a speaker
- Knob for adjusting volume, squelch and channels
- Connect up to three GHS 20i to each wireless hub

VHF comparison table   DSC

	VHF 300i AIS	VHF 300i	VHF 200i	VHF 100i
Large 3.2" display			✔	✔
Adjustable backlighting	✔	✔	✔	✔
Class D DSC options	✔	✔	✔	✔
Position tracking	✔	✔	✔	✔
Position enquiry	✔	✔	✔	✔
Up to 25W transmission output	✔	✔	✔	✔
Dedicated button for channel 16	✔	✔	✔	✔
Can be connected to foghorn	✔	✔	✔	✔
NMEA 0183 interface	✔	✔	✔	✔
NMEA 2000 interface	✔	✔	✔	
Speaker/Microphone with cable	✔	✔	✔	✔
Supports GHS 10i/20i	✔	✔	✔	
Hailer function	✔	✔	✔	
Intercom options	✔	✔	✔	
ATIS options	✔	✔	✔	✔
Integral AIS receiver	✔			
Integral splitter box	✔			

DSC – a safer emergency call

Digital Selective Calling (DSC) is a global protocol that uses channel 70 to transmit and receive digital messages. VHF radios equipped with DSC can send and receive digital emergency messages, private calls and general calls, and let you call attention to VHF calls by using stored MMSI numbers (Maritime Mobile Service Identity).

By pressing the emergency button on your handheld VHF, you activate a DSC distress call. Your GPS position, time data and your boat's MMSI number are then sent digitally via channel 70. Other vessels and land stations can receive your emergency call and respond immediately.

DSC significantly improves the chances of rapid rescue.

Marine Network
Icon key
Networking
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Waterproof
Ipx7

AIS 600

See and be seen on the water

Raise the level of safety on board with the AIS 600 and patented ClearTrack™ technology, that guarantees uninterrupted signal reception. The AIS transceiver lets you receive AIS data and transmit your own data to other AIS receivers in the area. This gives you a good overview of the area even when visibility is very poor. The AIS 600 is a "black box" that can be installed out of sight behind the bulkhead. It is operated directly from your plotter screen. The integrated splitter allows you to connect both AIS and VHF to the same antenna.

AIS 600 Part no.: 010-00865-00

Main functions

- Helps during navigation and to avoid collisions
- NMEA 2000-certified
- Integral splitter box means that it is sufficient to have one VHF antenna for both AIS 600 and VHF radio
- Integrated AIS target data with information displayed directly on the chartplotter
- ClearTrack™ technology ensures that reception is uninterrupted
- Alarm (CPA) via Radar to avoid collisions
- Integral GPS receiver
- Dual channel AIS receiver
- Class A and class B reception

AIS 300

When observing is enough

The AIS 300 lets you receive AIS data from other vessels in the area. It helps you to avoid collisions and navigate safely, even in poor visibility. The AIS 300 is a "black box" that can be installed out of sight behind the bulkhead. It is operated directly from your plotter screen. It comes with an integrated splitter that allows you to connect both AIS and VHF to the same antenna.

AIS 300 Part no.: 010-00892-00

Main functions

- Helps during navigation and to avoid collisions
- NMEA 2000-certified
- Integral splitter box means that it is sufficient to have one VHF antenna for both AIS 300 and VHF radio
- Integrated AIS target data with information displayed directly on the chartplotter
- Alarm (CPA) via Radar to avoid collisions
- Dual channel AIS receiver
- Class A and class B reception

Automatic Identification System

Improved communication, safety and collision avoidance at sea. AIS shows you other boats immediately on your marine chart.

The Automatic Identification System (AIS) enables the exchange of navigation status data between vessels and land-based stations. Ships equipped with AIS can identify and track each other wherever they meet. Already, commercial vessels over 300 gross tonnage are obliged to carry AIS, and a growing number of small commercial and leisure boats are also opting for it to increase safety.

Your vessels name, size, use, speed, heading and more is sent by VHF to other traffic in the vicinity. With an AIS receiver on board, anyone can see the position and bearing of other boats and ships nearby.

Make your boat visible to others with the AIS 600 transponder.
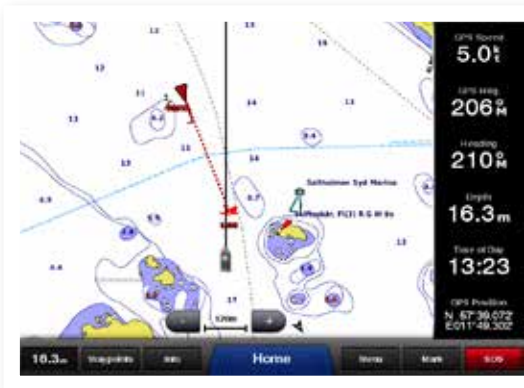
Collision warnings
Risks are clearly indicated, which greatly minimizes the risk of collision.

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.

Black box sonar

ClearVü™ Sonar for superior image precision – ready to be amazed?

Scanning Sonar technology offers high-resolution, true-life imaging of the underwater structure and fish, providing a detailed view both below and to the sides of your vessel. You can use this technology to search for and confirm ideal fishing spots.

Advantages of ClearVü Sonar
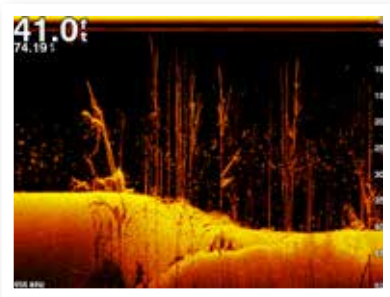
Superior resolution

Enhanced resolution for greater target separation and stunning details.
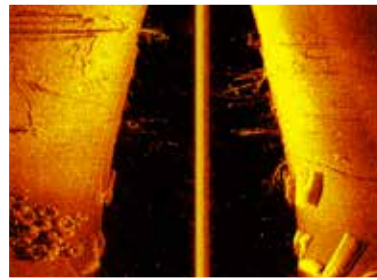
More dynamic

Wide dynamic range for small target detection, making sure you see more than ever.

Clearer picture

Noise suppression allows for a much clearer picture – a real feast for your eyes.

DownVü™

This high-frequency sonar gives you a clearer picture of what's below your boat, by producing a more detailed representation of objects, structure and fish. DownVü with CHIRP technology takes it one step further, producing an ultra-clear page with even more detail.
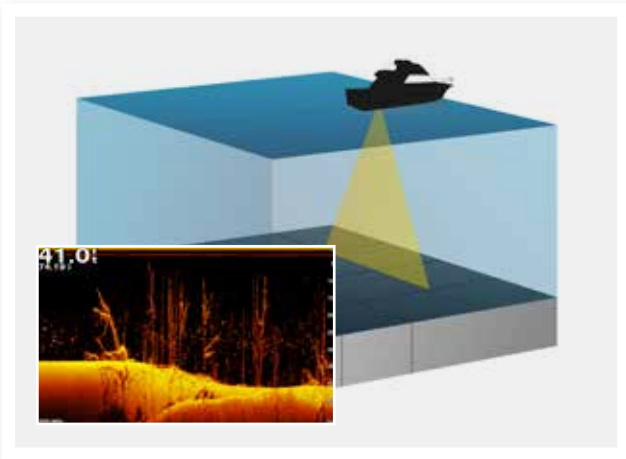
SideVü™

SideVü shows you what is happening to the sides of your boat. An excellent way of finding structures and fish. SideVü with CHIRP technology provides an even more detailed and higher resolution image of what is beneath the surface.

Marine Network

Icon key

Networking

Instruments

Autopilots

Radar

VHF & AIS

Black Box Sounders

Fishfinders

Handhelds

Cartography

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Specifications
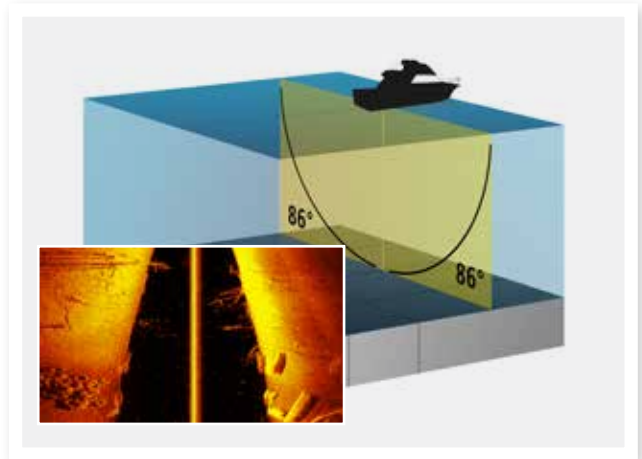
New GT series scanning transducers – a welcome sonar addition

Finally, there is a line of scanning transducers that are designed to accommodate any caliber of mariner, from the casual cruiser to the professional angler. The new GT series of scanning transducers aren't just powerhouses in themselves – they are made even stronger by the fact that they work with just about any echo you can think of. Naturally they also offer a variety of mounting options and price points. Choose from various configurations of traditional, CHIRP, DownVü and SideVü sonar technology for precisely the type of installation and fishing experience you want. For more information see page 84.

ClearVü Sonar capable products

DownVü

GPSMAP 527xs

GPSMAP 721xs

GPSMAP 820xs/1020xs

echo dv series

echoMAP 42/52dv

DownVü and SideVü

GCV 10

GSD 25

DownVü and SideVü

echoMAP 72/92sv

GPSMAP 7400xsv series

GPSMAP 721

GPSMAP 820/1020

GPSMAP 7400 series

GPSMAP 8000 series
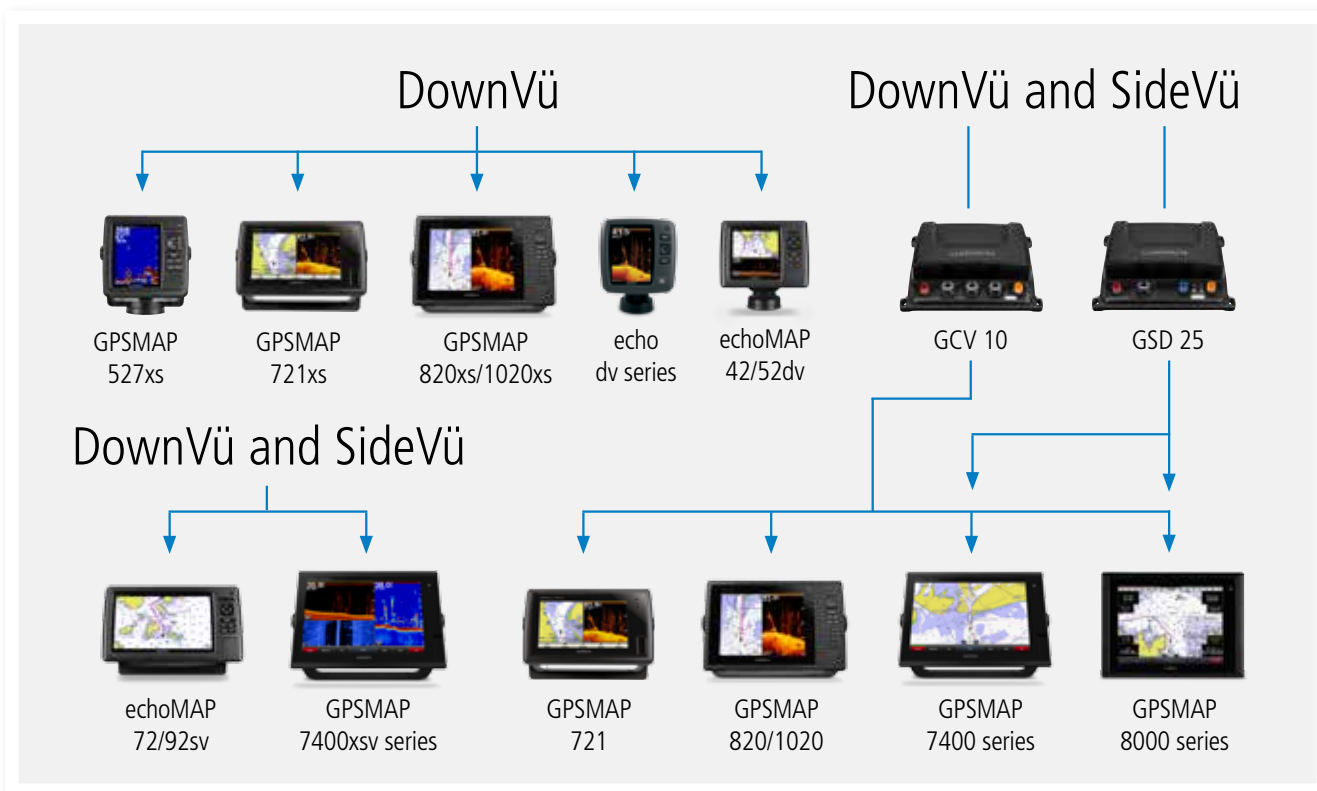
CHIRP sonar technology

What is CHIRP?

CHIRP is the most sophisticated sonar technology available for use by the fishing and boating public. The word itself is an acronym for Compressed High-Intensity Radiated Pulse.

Standard Sonar

Standard sonar sends a single frequency at a time. Since the only feedback is from this one single frequency, there is little information to work with, limiting the clarity and resolution available with standard sonar.

CHIRP Sonar

Instead of sending just a single frequency, CHIRP sends a continuous sweep of frequencies ranging from low to high. CHIRP sonar technology then interprets frequencies individually upon their return. Since this continuous sweep of frequencies provides CHIRP with a much wider range of information, CHIRP sonar is able to create a much clearer, higher resolution image.

Why Garmin CHIRP?

The key to CHIRP sonar is the interpretation of the data retrieved. The better the data interpretation, the better the screen image.

Compare un-doctored screen images provided by actual Garmin sonar owners to any other CHIRP sonar images you have seen. We think you'll agree that when it comes to CHIRP sonar technology, Garmin is creating products that interpret CHIRP sonar data the best.
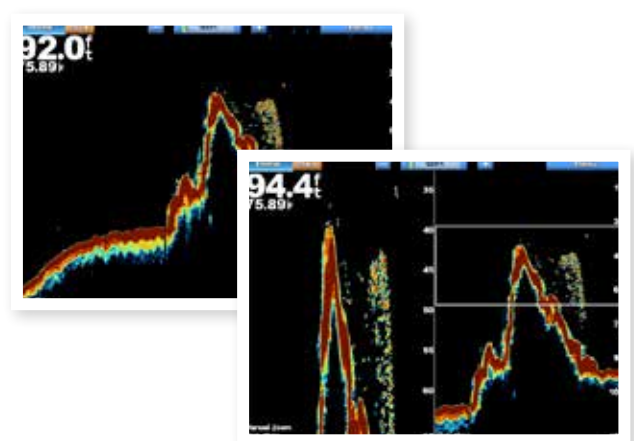
Advantages of CHIRP
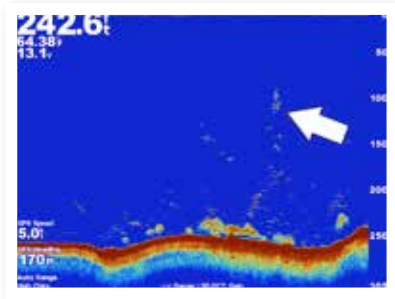
Improved resolution

Improved target resolution enables you to actually see individual baitfish separately.
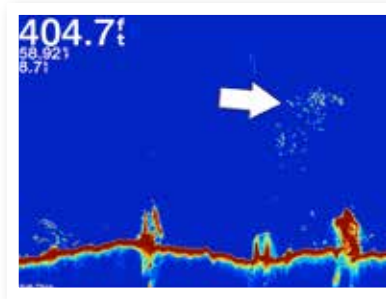
More data

A sweep of tones delivers more data, providing a much higher resolution, and clearer depiction of targets on screen.
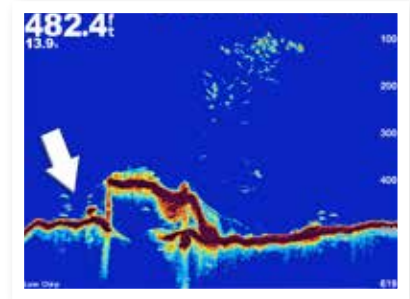
Intelligent

Each frequency reacts differently to structure densities to create a clearer image of what's below.
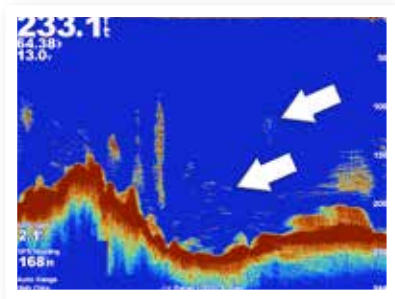
Clear difference

Improved target resolution enables you to differentiate between big fish and tight clusters of baitfish.
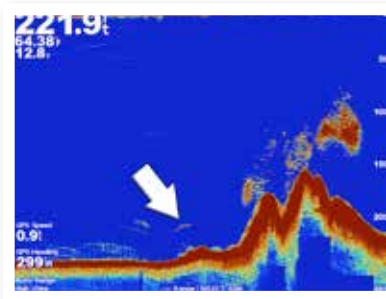
Double power

CHIRP doubles the power put on the target.
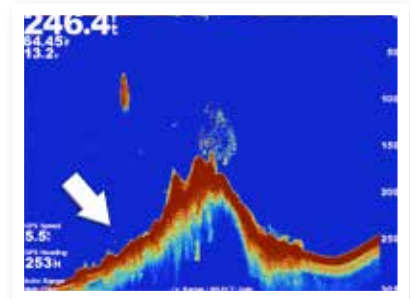
Close bottom view

Improved target resolution enables you to distinguish fish hovering just above bottom.

CHIRP Sonar capable products

CHIRP Sonar

GPSMAP 527xs | GPSMAP 721xs | GPSMAP 820xs/1020xs | GPSMAP 7400xsv series | GSD 25 | GSD 26

Marine Network

Icon key

Networking

Instruments

Autopilots

Radar

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Black Box Sounders

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Specifications

GSD 26

Marine Network   Sonar
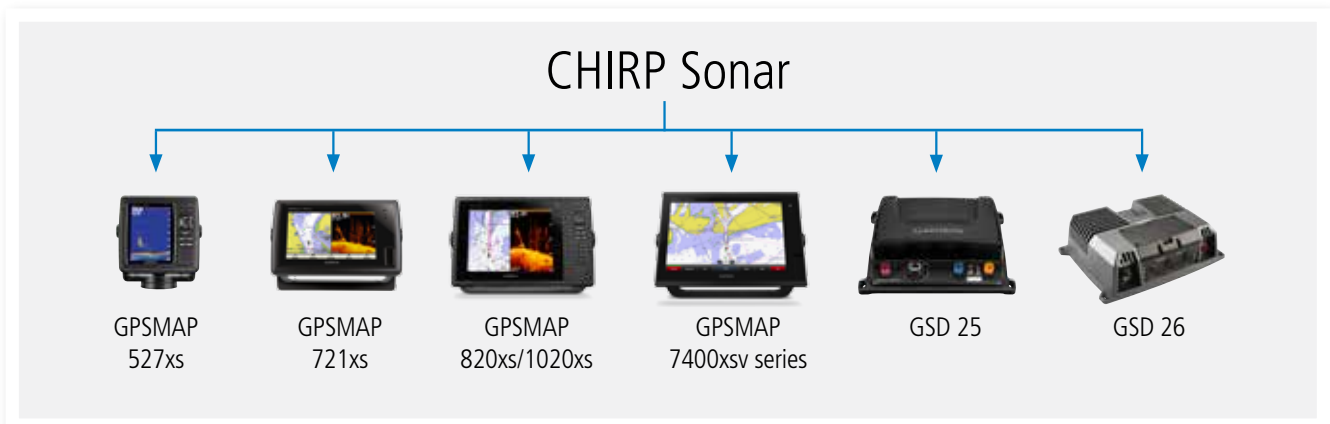
Take your sport fishing to new depths

Garmin Spread Spectrum
Innovative technology

GSD 26 Part no.: 010-00958-00

The GSD 26s revolutionary spread spectrum technology gives you the best of both worlds – better target separation in deep waters, and the option of tuning to specific frequencies to target certain species of fish. It also offers optimal target definition, bottom contour analysis and signal noise suppression at greater depths, and gives you faster screen updates and instant interpretation of what's below.

Main functions

- The GSD 26 digital sonar incorporates revolutionary digital Spread Spectrum technology
- Works with a dual-channel single receiver
- The dual transmitter allows simultaneous and independent dual frequency display
- Manually adjustable frequency from 28 kHz to 210 kHz
- Powerful digital signal delivers fantastic signal reproduction and performance in deep water
- Optional output power between 300W and 3kW
- Compatible with Airmar's new transducers with CHIRP technology
- Waterproof (IPX6)

GSD 25

Marine Network   Sonar

Premium CHIRP scanning sonar module

NEW 2015

GSD 25 Part no.: 010-01159-00

Designed for the serious sportfisherman, the GSD 25 premium sonar module is a remote network solution that provides outstanding fishfinding and bottom tracking capabilities for boats with networked MFD installations or GPSMAP® 7400 series chartplotters. It offers true dual-channel 1kW CHIRP, plus DownVü™ and SideVü™ scanning sonar with CHIRP technology for the clearest scanning images on the water.

Main functions

- Designed for the serious offshore sportfisherman
- Premium remote network sonar solution
- Provides outstanding fishfinding and bottom tracking capabilities
- Includes dual-channel 1kW CHIRP, plus SideVü and DownVü sonar scanning with CHIRP technology
- Get target details so precise, you can actually distinguish between small and closely spaced fish at key fishing depths
- Max. depth 1,500 m*
- For use with the Garmin GPSMAP 8000 Glass Helm series or GPSMAP 7400 series chartplotters

*Maximum depth dependent on transducer, water salinity, bottom type and other water conditions

Waterproof   Sonar   Marine
Network

Professional sonar technology

GSD 24 Part no.: 010-00957-00

The GSD 24 incorporates modern digital technology to give superior target separation and bottom structure analysis. Compatible with many different transducers, this new sonar module has optional transmission output (600W, 1kW and 2kW) for pin-point accuracy at depths of down to 1,500 metres. Whether you are looking for fish or hazards below the surface, you'll see everything in exceptionally sharp detail.

Main functions

- Displays depth, fish echoes and bottom contours
- Produces a clear image with fantastic signal reproduction and performance in deep water
- Two frequencies: 50 and 200kHz
- Optional output power of 600W, 1kW or 2kW
- Max. depth 1,500 m*

- Upgrading adapter from GSD 22 to GSD 24 supplied
- Simple installation with Garmin Marine Network™
- Ability to fine tune the 50kHz frequency from 45-55kHz and the 200kHz from 190-210kHz to better align the sonar and the transducer

*Maximum depth dependent on transducer, water salinity, bottom type and other water conditions

Waterproof   NMEA 0183

The all-seeing black box sonar

GCV 10 w/DV & SV transducer Part no.: 010-01156-00
GCV 10 w/o DV & SV transducer Part no.: 010-01156-10

The Garmin GCV™ 10 black box sonar adds both SideVü™ and DownVü™ with CHIRP scanning sonar technology to your compatible Garmin echoMAP™ or GPSMAP® series. CHIRP technology sweeps through a range of frequencies to give you an ultra-clear sonar picture of objects, structure and fish that pass below (DownVü™) and to the sides (SideVü™) of the boat. Together with your combo's HD-ID™ sonar, you get an excellent search and confirmation tool for advanced fishfinding in both fresh and saltwater.

Main functions

- For use with compatible echoMAP™ and GPSMAP® series
- Provides both DownVü™ and SideVü™ with CHIRP scanning sonar technology for a high-frequency, ultra-clear sonar picture of objects, structure and fish that pass below (DownVü™) and to the sides (SideVü™) of the boat

- Includes 12 pin all-in-one DownVü™/ SideVü™ transducer with 20 ft. cable
- 3 network ports provided for advanced networking capability
- Excellent search and confirmation tool for advanced fishfinding in both fresh and saltwater
- Jackplate and step mount available (both sold separately)

GARMIN.

Fishfinders

Waterproof **Sonar** **DownVü**

echo™ 551dv

First-rate fishfinder with DownVü™

551dv with transducer Part no.: 010-01256-00

It's hard to describe the sensation of fishing with 500 watts of output power and Garmin's HD-ID™ target tracking technology. The 640 x 480 pixel VGA screen displays fish, bottom contours and structures in amazing detail. The dual beam sensor, with an angle of up to 120°, lets you see far beyond the boat. You can even see what's happening at a depth of 580 metres. And it comes equipped with the Garmin DownVü scanning sonar.

Main functions

- 5" display with 256 colours, 640 x 480 pixels, VGA
- Clearly visible in strong sunlight
- Garmin HD-ID™ technology for superb presentation of fish arcs and bottom contours (with transducer)
- Garmin DownVü™ scanning sonar
- Three frequencies: 50/77/200kHz[1]
- Maximum depth: 700 metres[2]
- Sensor angle: up to 60°/120°

- Swivelling and tiltable quick-release mount with built-in connector
- Output power: 500W (RMS) / 4,000W (peak to peak)
- Garmin Smooth Scaling™ – you see the image at all times, even when the sonar changes depth scale
- Sonar history
- Real time window
- Simple installation

[1] Depending on transducer
[2] Maximum depth dependent on transducer, water salinity, bottom type and other water conditions

Waterproof **Sonar** **DownVü (dv only)**

echo™ 301dv & 301c

Easy-to-use with superb presentation

301c with transducer Part no.: 010-01260-00
301c without transducer Part no.: 010-01260-01

301dv with transducer Part no.: 010-01255-00

The echo 301dv/c features a 3.5" sunlight-readable colour display and includes an all-in-one transducer for HD-ID™ target tracking technology that lets you see through the water like never before. The 300-watt sonar allows you to see details down to a depth of 450 metres and offers a viewing angle of up to 120°. The quick-release mount makes it easy to install, tilt and swivel the device. The dv model also boasts DownVü™ sonar for a near-photographic view.

Main functions

- 3.5" display with 256 colours, 320 x 240 pixels, QVGA
- Garmin HD-ID™ technology for superb presentation of fish arcs and bottom contours (with transducer)
- Garmin DownVü™ scanning sonar[1]
- Three frequencies: 50/77/200kHz[2]
- Maximum depth: 530 metres[3]
- Sensor angle: up to 60°/120°

- Quick-release mount that can be swivelled and tilted
- Output power: 300W (RMS) / 2,400W (peak to peak)
- Garmin Smooth Scaling™ – you see the image at all times, even when the sonar changes depth scale
- Real time window
- Simple installation

[1] 301dv only
[2] Depending on transducer
[3] Maximum depth dependent on transducer, water salinity, bottom type and other water conditions

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echo™ 201dv

DownVü   Sonar   Waterproof

Powerful simplicity at any depth

The powerfully simple 5" echo 201dv includes an all-in-one transducer that delivers advanced HD-ID™ target tracking technology. echo 201dv also comes with DownVü™ scanning sonar for a nearly photographic view under your boat. Smooth Scaling™ depth range adjustments, sonar history rewind and scans to a depth of 530 metres with a wide scanning angle that is also perfect for shallow water.

201dv with transducer, part no.: 010-01254-00

Main functions

- 5" high resolution display, 480 x 320 pixels, HVGA
- Garmin HD-ID™ technology for superb presentation of fish arcs and bottom contours (with transducer)
- Garmin DownVü™ scanning sonar
- Three frequencies: 50/77/200kHz[1]
- Maximum depth: 530 metres[2]
- Sensor angle: up to 60°/120°
- Swivelling and tiltable quick-release mount with built-in connector
- Output power: 300W (RMS) / 2,400W (peak to peak)
- Garmin Smooth Scaling™ – you see the image at all times, even when the sonar changes depth scale
- Sonar history
- Real time window
- Simple installation

[1] Depending on transducer
[2] Maximum depth dependent on transducer, water salinity, bottom type and other water conditions

echo™ 151dv & 151

DownVü (dv only)   Sonar   Waterproof

Compact sonar with clear 4" display

With dual-beam technology at a single-beam price and a transducer on-board, echo 151dv and 151 is every sport fisherman's dream. With 200 watts (RMS) of transmit power, you can accurately scan to depths of 450 metres in fresh water. In shallower water, a cone angle of 120° lets you see fish far from your boat. Garmin's HD-ID™ target technology provides you with better separation and image definition on a 4" display.

151dv with transducer Part no.: 010-01258-00

Main functions

- Monochrome FSTN display, 256 x 160 pixels
- Garmin HD-ID™ technology for superb presentation of fish arcs and bottom contours (with transducer)
- Garmin DownVü™ scanning sonar[1]
- Three frequencies: 50/77/200kHz[2]
- Maximum depth: 450 metres[3]
- Sensor angle: up to 60°/120°
- Quick-release mount that can be swivelled and tilted
- Output power: 200W (RMS) / 1,600W (peak to peak)
- Frequency: 200/77 kHz
- Simple installation

151dv with transducer Part no.: 010-01253-01

[1] 151dv only
[2] Depending on transducer
[3] Maximum depth dependent on transducer, water salinity, bottom type and other water conditions

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Waterproof **Sonar**

Great value for money

101 Part no.: 010-01257-01

A great value for the money, echo 101 is a powerfully simple-to-use fishfinder with compact, space-saving design, a crisp 4-inch grayscale display and advanced HD-ID™ sonar technology. Includes a single-beam (200kHz) transmitter with 1,600W peak-to-peak power output, and it comes ready-to-fish with quick-release tilt/swivel mount, transducer, and versatile transom and trolling motor mounting kit to make installation a snap.

Main functions

- Monochrome FSTN display, 256 x 160 pixels
- Garmin HD-ID™ technology for superb presentation of fish arcs and bottom contours (with transducer)
- Frequency: 200kHz
- Maximum depth: 180 metres[1]
- Sensor angle: up to 60°
- Quick-release tilt/swivel mount and transom/trolling motor transducer included
- Output power: 200W (RMS) / 1600W (peak to peak)
- Frequency: 200 kHz
- Simple installation

[1] Maximum depth dependent on transducer, water salinity, bottom type and other water conditions

Portable echo™ Kit

Don't leave your echo™ behind

Portable echo Kit Part no.: 010-11849-01

This is our new portable case that fits all echo fishfinders. The perfect solution for anyone who wants to use their echo in different boats, in a kayak or canoe, when ice fishing or in a fishing shelter. The case has soft sides and a smart, integrated carrying handle that provides excellent protection and superior stability against knocks.

In addition to the case, the kit includes a rechargeable, sealed 12V AGM battery, a 220V battery charger, a suction cup mount and a floating element for the transducer. The design of the mount means that the transducer hangs straight down when you are fishing with the sonar from the ice. An unusually well thought-out solution for an unusually well thought-out sonar.

The echo and transducer in the picture is an example – not included when purchasing the case.

Side navigation tabs: Marine Network, Icon key, Networking, Instruments, Autopilots, Radar, VHF & AIS, Black Box Sounders, Fishfinders, Handhelds, Cartography, Accessories, Specifications

Handhelds

GARMIN

VIRB™ action camera

Waterproof   Battery

VIRB Part no.: 010-01088-01

VIRB Elite white Part no.: 010-01088-11
VIRB Elite dark Part no.: 010-01088-16

Life. Camera. Action.

VIRB and VIRB Elite are true HD 1080p action cameras that combine uncompromising durability, enhanced HD video recording and easy-to-use features. The Elite model also comes with high-sensitivity GPS, accelerometer and altimeter GPS based recording profiles and boasts Wi-Fi connectivity.

The built-in 1.4″ Chroma™ colour display (that stays on when the camera is on, but uses minimal power) lets you easily set up

shots, playback video and adjust menu settings without detaching the camera from its mount. To start filming, you simply move the oversized slide switch forward.

Record at 1080p for up to three hours with the rechargeable lithium-ion battery. Video enhancement features like Digital Image Stabilisation and Lens Distortion Correction ensure that the footage looks great, even before you start editing.

Main functions

- True HD 1080p video recording
- Chroma™ Display: high-resolution, colour for easier control of setup, playback and adjustments
- 16 MP CMOS image processor for multiple HD video and photo modes
- Digital Image Stabilization
- Lens Distortion Correction (LDC)
- Long lasting rechargeable lithium-ion battery, record up to 3 hours at 1080p
- microSD slot holds up to 64GB card (1 hr record at 1080p = 4GB)
- Still image capture: 16MP, 12 MP (wide), 8MP (medium)

- Photo Burst and Time Lapse
- VIRB desktop editing app for easy import, editing with GPS sensor overlays, and uploading
- Rugged, durable, waterproof (IPX7) with an aerodynamic design
- WideVü lens: shooting modes (Wide/Medium/Narrow)
- Internal microphone and optional external USB adapter with stereo microphone
- Micro HDMI output for video playback
- Easy accessible slider switch to control recording – instant on/off power functionality
- ANT+ connectivity for remote control function with other compatible Garmin products and data transfer such as heart rate, temperature, cadence, cycling power and more

- VIRB Edit, a free, easy to use, desktop editing software
- Various compatible mounts (handlebar, helmet/head strap, shoulder strap, tripod, wrist strap, car dash, flat surface, curved surface and more)

VIRB Elite adds:
- High-Sensitivity GPS, accelerometer, and altimeter
- GPS based recording profiles let you record all the action and none of the prep
- Wi-Fi (802.11 b/g/n) connectivity; use with free mobile applications for iPhone and Android

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Marine Network

Networking

Icon key

Instruments

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Black Box Sounders

Fishfinders

Handhelds

Cartography

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Specifications

quatix Part no.: 010-01040-51

quatix™ – one of its kind

The unique quatix marine watch is designed for avid mariners of all types, providing all the features of a navigating handheld conveniently strapped to your wrist.

No other GPS-enabled device in the world offers as broad a range of marine navigation features, such as remote control of Garmin equipment, such as VIRB™ action cameras, and streaming NMEA 2000® data to a marine watch[1].

Since it is equipped with both ANT™ capabilities and Bluetooth® technology, you can easily share tracks, waypoints and routes wirelessly with other compatible Garmin GPS devices and smartphones.

You can also plan your trip at home on a compatible Apple® device with the BlueChart® Mobile app or HomePort™ marine planning software for Windows® and Mac® and download it to quatix.

Main functions

- High-sensitivity, GPS-enabled marine watch with altimeter, barometer and 3-axis compass
- Temperature sensor
- Automatic MOB detection[1]
- Waterproof to 50 metres
- Sail racing features include:
  - Virtual starting line
  - Tack assist
  - Countdown timer with large, easy to read digits
- Tide charts with detailed data
- Change course with Garmin marine autopilot remote control capabilities
- Stream NMEA 2000 data[1] such as depth, speed and water temperature

- Wirelessly connect with new iPad®, iPhone® 5 and iPhone 4s using BlueChart® Mobile app
- Share waypoints, routes and tracks with compatible Garmin watches and handhelds
- Remote control capabilities with VIRB action camera
- Detailed tide data
- Marine data fields (COG, SOG, VMG, etc)
- Alerts (anchor drag, off course, speed)
- Watch functions include stopwatch, alarms, chimes and vibration alerts
- Rechargeable Li-ion battery lasts up to 6 weeks in watch mode; streaming mode: 25-hrs (GPS off) or 16-hrs (GPS on)

GNT10 Part no.: 010-01134-00

[1] Requires optional GNT™ 10 NMEA transceiver, sold separately.

Marine Network

Icon key

Networking

Instruments

Autopilots

Radar

VHF & AIS

Black Box Sounders

Fishfinders

Handhelds

Cartography

Accessories

Specifications

Monterra

Monterra does marine

Montera Part no.: 010-01065-00

Don't let the name fool you. This full-featured Wi-Fi enabled GPS navigator combines powerful mapping with the versatility of Android®, and works just as well on the open sea as it does in the high mountains. It has the power and flexibility to go anywhere, and loaded with the stellar marine maps of Garmin you'd be hard pressed to find a better travel companion to take on board.

Main functions

- 4" dual orientation screen
- Get Android apps on Google Play™
- 8 MP autofocus camera and 1080p HD video with automatic geotagging
- High-sensitivity GPS/GLONASS receiver for better positioning
- 3D MapMerge™ for maps in 3-D
- 3-axis electronic compass with gyro and barometric altimeter

- Built-in waterproof microphone and speaker with 3.5mm input
- Built-in UV sensor that measures the intensity of the sun
- 6 GB of internal memory and microSD card for additional storage of data
- Uses rechargeable lithium-ion battery pack or AA batteries

Montana® 650t, 650 & 600

Your guide across land or water

Montana 650t Part no.: 010-00924-03
Montana 650 Part no.: 010-00924-01
Montana 600 Part no.: 010-00924-00

The robust Montana is perfect for all kinds of activities, such as jet-skiing, yacht racing or cruising and power boating. Wherever your next adventure takes you, you can rest assured that you have the ultimate navigator in your hand. It will even take your picture with a 5 megapixel camera with digital autofocus (650/650t). In addition to the basemap, the 650t also has a preloaded topographical map of Europe

Main functions

- Clear, dual orientation 4" TFT touchscreen
- Highly sensitive GPS receiver for improved performance and reception
- Slot for microSD card
- USB interface
- Robust and durable
- 3-axis electronic compass and barometric altimeter

- Can be supplemented with BlueChart g2 marine charts, Pro v2 outdoor map, Prime outdoor map, City Navigator and Birdseye
- 5 megapixel camera (650t/650)
- Supplied with removable, rechargeable Lithium Ion battery, use AA batteries or connect to 12V with optional cable

Waterproof **NMEA 0183** **BlueChart g2** **Battery**

Top choice for enthusiasts

Boaters and watersport enthusiasts everywhere swear by the GPSMAP 78 handhelds. They feature a bright 2.6" LCD colour display with built-in worldwide basemap and a special MOB (man overboard) button. What's more, these waterproof devices are designed to float. The GPSMAP 78s also has a 3-axis compass, barometric altimeter and a basemap with shaded contours.

Main functions

- 2.6" LCD colour display
- Highly sensitive GPS receiver for optimum reception and performance
- Slot for microSD card
- USB interface
- Wireless data transfers
- Floats

- MOB (man overboard) button: shows distance and bearing to the position where the button was pressed
- 3-axis electronic compass and barometric altimeter (78s)
- Can be enhanced with BlueChart g2 charts

78s Part no.: 010-00864-01

78 Part no.: 010-00864-00

Waterproof **NMEA 0183** **Battery**

Reliable and user-friendly

The GPS 72H is a robust and waterproof navigator. It has a high-sensitivity GPS receiver and a USB interface. This very user-friendly device is designed to float if dropped in the water. The multiple features of the GPS 72H make it the natural choice when it comes to entry-level handhelds for marine navigation.

Main functions

- Clear LCD display
- Highly sensitive GPS receiver for improved performance and reception
- USB interface and NMEA 0183 ports
- Robust and lightweight
- Floats

- Up to 18 hours battery life
- 500 waypoints

GPS 72H Part no.: 010-00840-01

Marine Network

Icon key

Networking

Instruments

Autopilots

Radar

VHF & AIS

Black Box Sounders

Fishfinders

Handhelds

Cartography

Accessories

Specifications

GARMIN

Cartography

Marine Network

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Networking

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Specifications

BlueChart g2   BlueChart g2 Vision

The **best marine chartplotters** demand the best electronic marine charts.

Why is it important?

No matter how many resources are devoted to producing the most functional, powerful and easy-to-use marine chartplotter, it is practically worthless unless even more resources and efforts are invested in producing the digital cartography. Marine charts are by far the most important component of a chartplotter.

As a chartplotter producer, Garmin has been aware of this for many years and has developed its own chart format. Garmin has worked alongside market-leading chart suppliers from all over the world to create BlueChart. It enables us to offer you the kind of security that can only come from accurate electronic chart data of the highest quality, without any intermediaries.

BlueChart cartography complements Garmin's line of handheld mapping products and marine chartplotters. This line of cartography offers our most detailed digital marine data and is designed to provide interactive viewing of detailed nautical chart data, thereby providing navigators with innovative object-oriented cartography. These detailed electronic nautical charts look just like paper charts when displayed on your Garmin chartplotter. Descriptive details for features typically found on nautical charts can easily be viewed with a simple key press. Cursor movements over the chart reveals descriptions for contour depths, chart number, navaid name, and much more.

BlueChart is available in two different versions to ensure you get the most and the best out of your Garmin.

New Chart Guarantee

New Chart Guarantee ensures that you will always be able to access the most current charts available at the time of purchase. This program entitles those who have recently purchased a new preprogrammed BlueChart g2 or BlueChart g2 Vision microSD/SD card to one FREE update to the newest version of charts. This is valid within 6 months of purchase.

For detailed information on our other update, upgrade and trade-in programmes, see www.garmin.co.uk/bluechart or contact our product support on 0808 238 0000 (freephone from UK landline) or 0870 850 1242 phone (within UK), or +44 870 850 1242 phone (outside UK.)

BlueChart® g2

BlueChart g2 mapping features smooth layering and seamless integration of map graphics for easy panning, scrolling and zooming. With rich colours and shading for easy interpretation and clear visibility, this marine charting offers comprehensive IALA navaid symbology and marine services. And, best of all, it features a choice of map perspective view, or the familiar 2D direct-overhead view – to make chart reading and orientation easier. BlueChart is styled to match the appearance of paper charts when displayed on your Garmin chartplotter.

BlueChart® g2 Vision™

Enhance your nautical navigation with BlueChart g2 Vision high-precision charting. Features include high-resolution satellite imagery, above and below the waterline 3D perspectives, Auto Guidance technology, aerial photography of ports, harbours, marinas and waterways and coastal roads with points of interest. BlueChart g2 Vision gives mariners greater capabilities on the water, with useful navigation landmarks and marine landscape detail to boost your chartplotting technology.

BlueChart comparison table	g2	g2 Vision
Traditional marine chart	✔	✔
Tidal stations	✔	✔
Currents, tidal currents	✔	✔
Perspective view	✔	✔
Fishing charts	✔	✔
Available on Garmin memory cards	✔	
Available on SD/microSD memory cards	✔	✔
Guest harbours	✔	✔
Natural harbours	✔	✔
Aerial photos		✔
Satellite images		✔
3D Mariner and Fish Eye		✔
AutoGuidance		✔
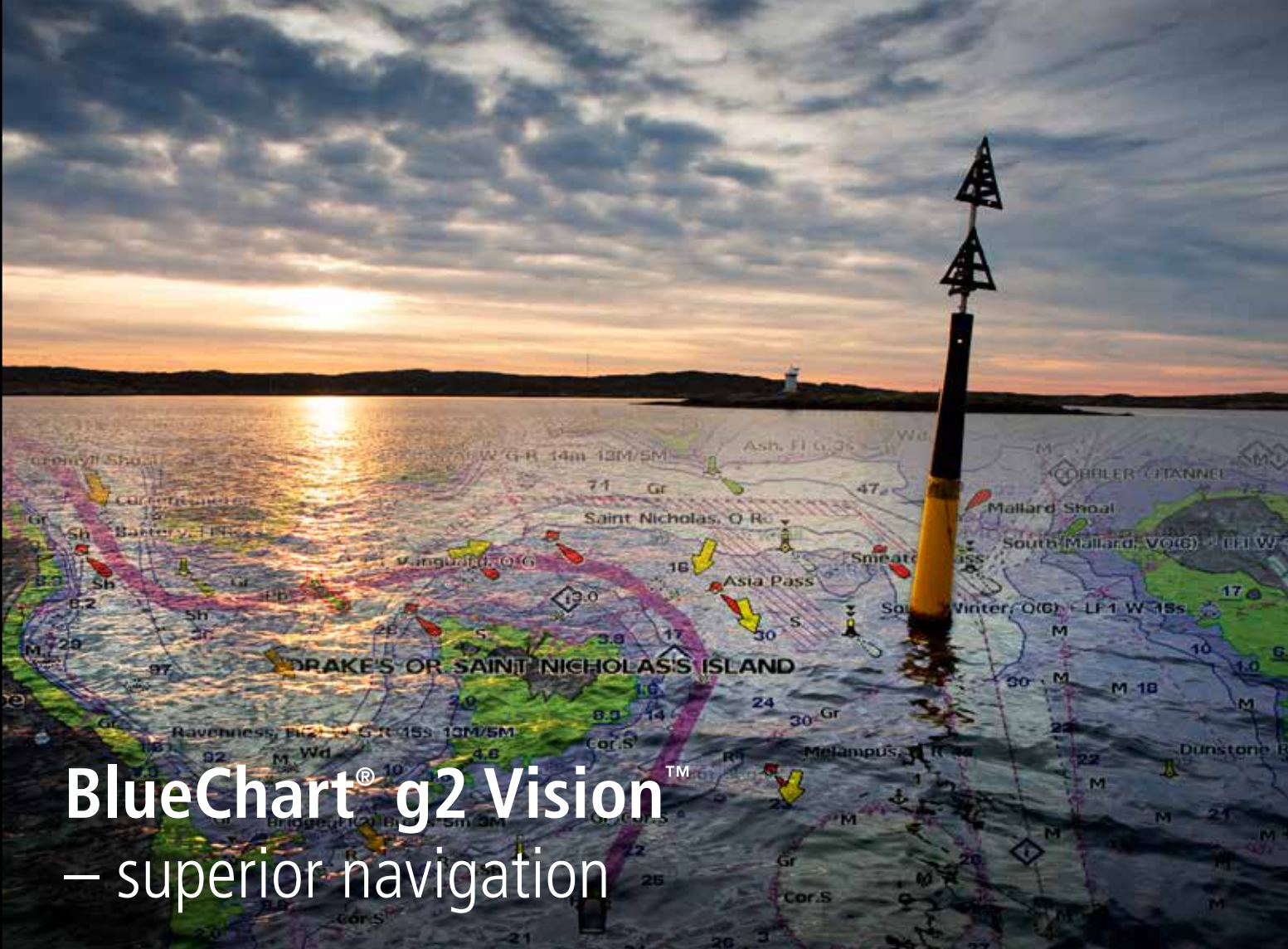
GARMIN®

BlueChart® g2 Vision™
– superior navigation

BlueChart g2 Vision is a marine chart standard from Garmin that sets the bar very high for future maritime navigation. BlueChart g2 Vision provides the same high-quality marine cartography as BlueChart g2. In addition, it offers high-resolution satellite images, 3D perspective above and below the waterline, technology for automatic guidance to the selected destination (Auto Guidance), aerial photos for superior realism and detailed road maps in coastal areas.

BlueChart g2 Vision can be used in Garmin's chartplotters from the 8000, 7000, 6000, 5000, 4000, 1000, 800, 700, 500, 400 and echoMAP series, and the GPSMAP 620.

BlueChart g2 Vision

Main functions

- Vectorised chart data
- Shaded depth contours
- Tidal stations in selected countries
- Wrecks, protected areas, anchoring, other obstacles
- 2D and 3D chart perspective
- Harbour information
- Fishing chart with detailed depth contours
- Colour aerial photos that create accurate and detailed images of harbours, marinas, navigation channels, landmarks and much more
- Detailed land map along the coast

- Interesting places, e.g. restaurants, hotels, sights
- Satellite images laid over the chart create a realistic image of land areas
- Mariner's Eye view – The chart in 3D for fast, simple and reliable positioning
- Fish Eye view – 3D perspective below the waterline, showing depth and contours based on bathymetric chart data
- Auto Guidance searches for and processes all chart attributes to automatically suggest the best route
- Tidal graphics, current arrows, etc
- Searchable natural harbours, marine refueling stations, guest harbours, etc
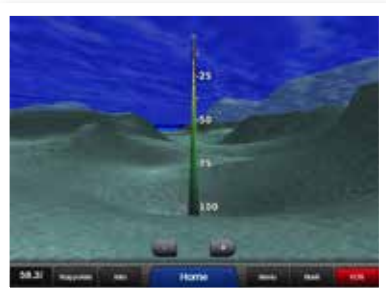
Fish Eye view

3D perspective below the waterline, showing depth and contours based on bathymetric chart data.

Auto guidance

Searches and processes all the attributes on the chart to automatically suggest the best route.

Aerial photos

The photos provide a realistic and detailed picture of harbours, marinas, navigation channels, landmarks and much more.

Important information

Tides, currents, harbour information and road maps (coastal areas), etc.
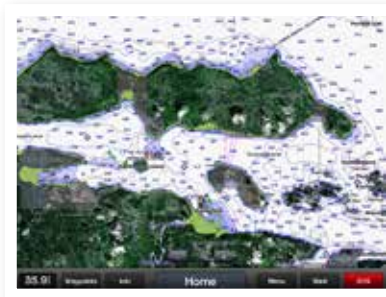
Satellite images

Satellite images that can be laid over the traditional chart.
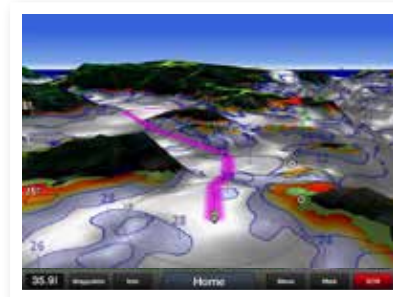
Mariners Eye view

Marine chart in a 3D perspective that provides an overview of your position for fast, simple and reliable navigation.

Free HomePort™ planning program

HomePort 2.2 makes it easy to plan your next voyage from the comfort and convenience of your home using your BlueChart g2 and BlueChart g2 Vision map data on your computer.

- Save planned routes on an SD card and transfer the information to your chartplotter
- Sonar playback from past voyages or fishing trips
- Shares data with quatix marine watch
- Calculate speed, fuel consumption and arrival time
- Calculate distance and heading for your proposed route
- See tidal data and depth profiles
- Compatible with Google Earth

BlueChart g2   BlueChart g2
                    Vision
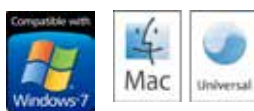
X-Large & Large coverage areas

Coverage areas

EU800X	The Nordics
EU801X	Europe, N/W Atlantic & Iberian Peninsula
EU802X	Mediterranean Sea & Iberian Peninsula

EU714L	Iberian Peninsula, Azores & Canaries
EU706L	UK & Ireland

For more information, please visit www.garmin.co.uk.

Marine Network   Icon key   Networking   Instruments   Autopilots   Radar   VHF & AIS   Black Box Sounders   Fishfinders   Handhelds   Cartography   Accessories   Specifications

BlueChart g2   **BlueChart g2 Vision**

Regular coverage areas

Coverage areas

EU001R	English Channel		EU005R	Ireland, West Coast	
EU002R	Dover to Amsterdam & England SE		EU006R	Scotland, West Coas	
EU003R	Great Britain, Northeast Coast		EU008R	Bay of Biscay	
EU004R	Irish Sea		EU018R	Netherlands	

For more information, please visit www.garmin.co.uk.
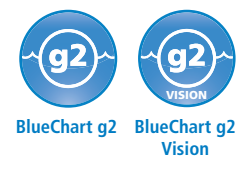
Small coverage areas

Coverage areas

EU300P	Ireland Inland Waterways - Shannon	
EU456S	The Solent and Channel Islands	
EU457S	Bretagne	
EU461S	Thames Estuary	
EU463S	Bristol Channel and England S/W	
EU464S	Penmarch to Les Sables D'Olonne	
EU465S	La Baule to San Sebastian	
EU467S	Blackpool to Cardiff	
EU482S	Wexford to Dingle Bay	
EU483S	Galway Bay to Cork	
EU484S	Ireland North-West	
EU500S	Blyth to Lowestoft	

For more information, please visit www.garmin.co.uk.

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The best journeys begin at home, on your iPad or iPhone

With our BlueChart® Mobile app, you can plan your route on your iPad or iPhone wherever you are. You have full access to the same multi-functional, accurate BlueChart data that is available for Garmin plotters, and can view shaded depth contours and tidal zones with spot sounding. Plan your journey around sights in harbours and channels, keep a track of weather conditions, temperatures, dew points, wind direction/speed, radar and cloud cover.

Use Active Captain – an advertisement-free information service – to find out more about what to see and do in the areas you'll be travelling to. Active Captain is a community-based information service providing mariners with up-to-date user reviews and information on Points of Interest.

When you board your boat, you can wirelessly transfer routes, waypoints and tracks to your Garmin plotter*.

Left sidebar: Marine Network · Icon key · Networking · Instruments · Autopilots · Radar · VHF & AIS · Black Box Sounders · Fishfinders · Handhelds · Cartography · Accessories · Specifications

Mounting Style	Picture	Description	Garmin P/N	Freq. (kHz)	Power	Beam-width (°) LF/HF (-3dB)	Max Depth (ft.)	Depth/ Speed/ Temp	# of Pins	Cable Length (ft.)	Adapter Req'd?	Supported Deadrise/ Transom Angles	Garmin comments
SCANNING TRANSDUCERS FOR USE WITH THE ECHO DV FISHFINDER SERIES													
Transom Mount		Garmin GT20-TM	010-12087-00	Trad 77/200, Down 455/800	Trad 500W, Down 500W	45/15	1900 DownVü 750	D,T	4	20	No	0-70 degree transom	Traditional/DownVü optimized for clearer image at shallow depths. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
TRADITIONAL TRANSDUCERS FOR USE WITH THE ECHO AND ECHO DV FISHFINDER SERIES													
Transom Mount		Garmin Dual Beam	010-10249-20	77/200	500W	45/15	1900	D,T	4	30	No	0-70 degree transom	Replacement for the dual beam transducer included with echo units.
		Airmar P32 Triducer	010-10106-20	77/200	500W	45/15	900	D,S,T	8	30	010-11947-00	3-20 degree transom	Provides depth, speed, and temp in one package.
		Garmin Dual Frequency	010-10272-10	50/200	500W	40/10	1500	D,T	8	30	010-11947-00	0-70 degree transom	Basic dual frequency transducer.
		Airmar P66 Triducer	010-10192-21	50/200	600W	45/11	800-1200	D,S,T	8	25	010-11947-00	2-20 degree transom	Only 50/200 transom mount transducer to provide depth, speed, and temp in one package.
Thru-Hull		Airmar P319 with temp	010-10194-21	50/200	600W	45/12	800-1200	D,T	8	39	010-11947-00	0-7 degree deadrise	Provides excellent performance at high speeds. Excellent on fiberglass and metal hulls. Do not use on wood hulls.
In-Hull		Airmar P79 adjustable in-hull	010-10327-20	50/200	600W	45/12	800-1200	D	8	25	010-11947-00	0-22 degree deadrise	Entry level, in-hull transducer, with adjustable deadrise able making installation a snap. Not for cored hulls. Maximum fiberglass thickness should be no more than 5/8" thick.
Accessories		6-pin transducer to 4-pin sounder adapter	010-11615-00	N/A	N/A	N/A	N/A	N/A	Unit: 4 XDCR: 6	2	N/A	N/A	Use this to connect a Garmin 6-pin single/dual beam transducer to a Garmin 4-pin echo series fishfinder.
		Suction Cup Transducer Adapter (for Garmin Dual Beam)	010-10253-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Use this suction cup adapter to attach your transom mount transducer to your boat.
		4-pin transducer extension cable	010-11617-10	N/A	N/A	N/A	N/A	N/A	4	10	No	N/A	Extend a 4-pin transducer 10 feet.
		8-pin transducer to 4-pin sounder adapter	010-11947-00	N/A	N/A	N/A	N/A	N/A	Unit: 4 XDCR: 8	2	N/A	N/A	Use this to connect a Garmin 8-pin single/dual beam transducer to a Garmin 4-pin echo series fishfinder.
		Step Mount (for GT20-TM)	010-12106-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		For step mount installations
		Jack Plate Mount (for GT20-TM)	010-12106-10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		For jack plate mount installations
		Transom Mount (for GT20-TM)	010-12105-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		For transom mount installations
SCANNING TRANSDUCERS FOR USE WITH THE ECHOMAP 42DV													
Transom Mount		Garmin GT20-TM	010-12087-00	Trad 77/200, Down 455/800	Trad 500W, Down 500W	45/15	1900 DownVü 750	D,T	4	20	No	0-70 degree transom	Traditional/DownVü optimized for clearer image at shallow depths. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
TRADITIONAL TRANSDUCERS FOR USE WITH THE ECHOMAP 42DV													
Transom Mount		Garmin Dual Beam	010-10249-20	77/200	500W	45/15	1900	D,T	4	30	No	0-70 degree transom	Replacement for the dual beam transducer included with echo units.
Thru-Hull		Airmar P19 with 12° tilt	010-10218-21	77/200	500W	45/11	900	D,T	8	30	No	8-15 degree deadrise	Provides excellent performance at high speeds. Excellent on fiberglass and metal hulls. Do not use on wood hulls.
		Airmar P19 with 20° tilt	010-10218-22	77/200	500W	45/11	900	D,T	8	30	No	16-24 degree deadrise	
In-Hull		Airmar P72 trolling mount	010-10200-20	77/200	500W	45/15	900	D,T	8	30	No	N/A	Perfect for in-hull mount, trolling motors, or ice fishing.
Accessories		6-pin transducer to 4-pin sounder adapter	010-11615-00	N/A	N/A	N/A	N/A	N/A	Unit: 4 XDCR: 6	2	N/A	N/A	Use this to connect a Garmin 6-pin single/dual beam transducer to a Garmin 4-pin echo series fishfinder.
		Suction Cup Transducer Adapter (for Garmin Dual Beam)	010-10253-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Use this suction cup adapter to attach your transom mount transducer to your boat.
		4-pin transducer extension cable	010-11617-10	N/A	N/A	N/A	N/A	N/A	4	10	No	N/A	Extend a 4-pin transducer 10 feet.
		8-pin transducer to 4-pin sounder adapter	010-11947-00	N/A	N/A	N/A	N/A	N/A	Unit: 4 XDCR: 8	2	N/A	N/A	Use this to connect a Garmin 8-pin single/dual beam transducer to a Garmin 4-pin echo series fishfinder.
		Step Mount (for GT20-TM)	010-12106-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		For step mount installations
		Jack Plate Mount (for GT20-TM)	010-12106-10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		For jack plate mount installations
		Transom Mount (for GT20-TM)	010-12105-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		For transom mount installations

Mounting Style	Picture	Description	Garmin P/N	Freq. (kHz)	Power	Beam-width (°) LF/HF (-3dB)	Max Depth (ft.)	Depth/ Speed/ Temp	# of Pins	Cable Length (ft.)	Adapter Req'd?	Supported Deadrise/ Transom Angles	Garmin comments
SCANNING TRANSDUCERS FOR USE WITH THE ECHOMAP 52DV													
Transom Mount		Garmin GT21-TM	010-12219-00	Trad 50/200, Down CHIRP 245-275 445-465	Trad 600W, Down 500W	Trad 40/10 Down 2.0x51@260 1.4x29@455	Trad 1500 Down 1000	D,T	8	30	010-11947-00	0-70 degree transom	Traditional/DownVü optimized for depth and rough conditions. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
Thru-Hull		Garmin GT21-TH	010-12219-10	Trad 50/200, Down CHIRP 245-275 445-465	Trad 600W, Down 500W	Trad 40/10 Down 2.0x51@260 1.4x29@455	Trad 1500 Down 1000	D,T	8	30	010-11947-0	Up to 25 degree deadrise	Traditional/DownVü optimized for depth and rough conditions. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
TRADITIONAL TRANSDUCERS FOR USE WITH THE ECHOMAP 52DV													
Transom Mount		Garmin Dual Frequency	010-10272-10	50/200	500W	40/10	1500	D,T	8	30	010-11947-00	0-70 degree transom	Basic dual frequency transducer.
Thru-Hull		Airmar P319 with temp	010-10194-21	50/200	600W	45/12	800-1200	D,T	8	39	010-11947-00	0-7 degree deadrise	Provides excellent performance at high speeds. Excellent on fiberglass and metal hulls. Do not use on wood hulls.
In-Hull		Airmar P79 adjustable in-hull	010-10327-20	50/200	600W	45/12	800-1200	D	8	25	010-11947-00	0-22 degree deadrise	Entry level, in-hull transducer, with adjustable deadrise able making installation a snap. Not for cored hulls. Maximum fiberglass thickness should be no more than 5/8" thick.
Accessories		6-pin transducer to 4-pin sounder adapter	010-11615-00	N/A	N/A	N/A	N/A	N/A	Unit: 4 XDCR: 6	2	N/A	N/A	Use this to connect a Garmin 6-pin single/dual beam transducer to a Garmin 4-pin echo series fishfinder.
		Suction Cup Transducer Adapter (for Garmin Dual Beam)	010-10253-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Use this suction cup adapter to attach your transom mount transducer to your boat.
		4-pin transducer extension cable	010-11617-10	N/A	N/A	N/A	N/A	N/A	4	10	No	N/A	Extend a 4-pin transducer 10 feet.
		8-pin transducer to 4-pin sounder adapter	010-11947-00	N/A	N/A	N/A	N/A	N/A	Unit: 4 XDCR: 8	2	N/A	N/A	Use this to connect a Garmin 8-pin single/dual beam transducer to a Garmin 4-pin echo series fishfinder.
		Step Mount (for GT21-TM)	010-12106-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	For step mount installations
		Jack Plate Mount (for GT21-TM)	010-12106-10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	For jack plate mount installations
		Transom Mount (for GT21-TM)	010-12105-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	For transom mount installations
SCANNING TRANSDUCERS FOR USE WITH THE ECHOMAP 72SV/92SV													
Transom Mount		Garmin GT21-TM	010-12219-00	Trad 50/200, Down CHIRP 245-275 445-465	Trad 600W, Down 500W	Trad 40/10 Down 2.0x51@260 1.4x29@455	Trad 1500 Down 1000	D,T	8	30	010-11947-00	0-70 degree transom	Traditional/DownVü optimized for depth and rough conditions. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
		Garmin GT41-TM	010-12221-00	Trad 50/200 Down/ Side/ CHIRP 245-275 445-465	Trad 600W Down/Side 500W	Trad. 40/10 Down/Side 2.0x51@260 1.4x29@455	Trad 1500 Down 750 Side 500	D,T	12	30	010-12234-05	0-70 degree transom	All-in-one Traditional/SideVü/DownVü optimized for depth and rough conditions. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
Thru-Hull		Garmin GT21-TH	010-12219-10	Trad 50/200, Down CHIRP 245-275 445-465	Trad 600W, Down 500W	Trad 40/10 Down 2.0x51@260 1.4x29@455	Trad 1500 Down 1000	D,T	8	30	010-11947-0	Up to 25 degree deadrise	Traditional/DownVü optimized for depth and rough conditions. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
		Garmin GT41-TH	010-12221-10	Trad 50/200, Down CHIRP 245-275 445-465	Trad 600W Down/Side 500W	Trad 40/10 Down 2.0x51@260 1.4x29@455	Trad 1500 Down 1000	D,T	12	1.5m + 30ft -ext.	010-12234-05	Up to 5 degree deadrise	All-in-one Traditional/SideVü/DownVü optimized for depth and rough conditions. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
		Garmin GT41-THP	010-12221-11	Trad 50/200, Down CHIRP 245-275 445-465	Trad 600W Down/Side 500W	Trad 40/10 Down 2.0x51@260 1.4x29@455	Trad 1500 Down 1000	D,T	12	1.5m + 30ft y-cable	010-12234-05	Up to 25 degree deadrise	Pair of all-in-one Traditional/SideVü/DownVü optimized for depth and rough conditions. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
TRADITIONAL TRANSDUCERS FOR USE WITH THE ECHOMAP 72SV/92SV													
Transom Mount		Garmin Dual Frequency	010-10272-10	50/200	500W	40/10	1500	D,T	8	30	010-11947-00	0-70 degree transom	Basic dual frequency transducer.
Thru-Hull		Airmar P319 with temp	010-10194-21	50/200	600W	45/12	800-1200	D,T	8	39	010-11947-00	0-7 degree deadrise	Provides excellent performance at high speeds. Excellent on fiberglass and metal hulls. Do not use on wood hulls.
In-Hull		Airmar P79 adjustable in-hull	010-10327-20	50/200	600W	45/12	800-1200	D	8	25	010-11947-00	0-22 degree deadrise	Entry level, in-hull transducer, with adjustable deadrise able making installation a snap. Not for cored hulls. Maximum fiberglass thickness should be no more than 5/8" thick.

Marine Network

Icon key

Networking

Instruments

Autopilots

Radar

VHF & AIS

Black Box Sounders

Fishfinders

Handhelds

Cartography

Accessories

Specifications

(following guide is a recommendation, for complete list, please visit garmin.com)

Mounting Style	Picture	Description	Garmin P/N	Freq. (kHz)	Power	Beam-width (°) LF/HF (-3dB)	Max Depth (ft.)	Depth/ Speed/ Temp	# of Pins	Cable Length (ft.)	Adapter Req'd?	Supported Deadrise/ Transom Angles	Garmin comments
Accessories		6-pin transducer to 4-pin sounder adapter	010-11615-00	N/A	N/A	N/A	N/A	N/A	Unit: 4 XDCR: 6	2	N/A	N/A	Use this to connect a Garmin 6-pin single/dual beam transducer to a Garmin 4-pin echo series fishfinder.
		Suction Cup Transducer Adapter (for Garmin Dual Beam)	010-10253-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Use this suction cup adapter to attach your transom mount transducer to your boat.
		4-pin transducer extension cable	010-11617-10	N/A	N/A	N/A	N/A	N/A	4	10	No	N/A	Extend a 4-pin transducer 10 feet.
		8-pin transducer to 4-pin sounder adapter	010-11947-00	N/A	N/A	N/A	N/A	N/A	Unit: 4 XDCR: 8	2	N/A	N/A	Use this to connect a Garmin 8-pin single/dual beam transducer to a Garmin 4-pin echo series fishfinder.
		10 ft. 12-pin transducer extension cable	010-11617-30	N/A	N/A	N/A	N/A	N/A	12	10	No	N/A	Extend a 12-pin cable 10ft.
		30 ft. 12-pin transducer extension cable	010-11617-40	N/A	N/A	N/A	N/A	N/A	12	30	No	N/A	Extend a 12-pin cable 30ft.
		Step Mount (for GT20/40-TM)	010-12106-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		For step mount installations
		Jack Plate Mount (for GT20/40-TM)	010-12106-10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		For jack plate mount installations
		Transom Mount (for GT20/40-TM)	010-12105-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		For transom mount installations

SCANNING TRANSDUCERS FOR USE WITH THE GPSMAP 527XS/721XS/820XS/1020XS

Mounting Style	Picture	Description	Garmin P/N	Freq. (kHz)	Power	Beam-width (°) LF/HF (-3dB)	Max Depth (ft.)	Depth/ Speed/ Temp	# of Pins	Cable Length (ft.)	Adapter Req'd?	Supported Deadrise/ Transom Angles	Garmin comments
Transom Mount		Garmin GT20-TM	010-12087-01	Trad 77/200, Down 455/800	Trad 500W, Down 500W	45/15	1900 DownVü 750	D,T	8	20	No	0-70 degree transom	Traditional/DownVü optimized for clearer image at shallow depths. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
		Garmin GT21-TM	010-12219-00	Trad 50/200, Down CHIRP 245-275 445-465	Trad 600W, Down 500W	Trad 40/10 Down 2.0x51@260 1.4x29@455	Trad 1500 Down 1000	D,T	8	30	No	0-70 degree transom	Traditional/DownVü optimized for depth and rough conditions. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
Thru-Hull		Garmin GT21-TH	010-12219-10	Trad 50/200, Down CHIRP 245-275 445-465	Trad 600W, Down 500W	Trad 40/10 Down 2.0x51@260 1.4x29@455	Trad 1500 Down 1000	D,T	8	30	No	Up to 25 degree deadrise	Traditional/DownVü optimized for depth and rough conditions. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.

TRADITIONAL TRANSDUCERS FOR USE WITH THE GPSMAP 527XS/721XS/820XS/1020XS

Mounting Style	Picture	Description	Garmin P/N	Freq. (kHz)	Power	Beam-width (°) LF/HF (-3dB)	Max Depth (ft.)	Depth/ Speed/ Temp	# of Pins	Cable Length (ft.)	Adapter Req'd?	Supported Deadrise/ Transom Angles	Garmin comments
Transom Mount		Garmin Dual Frequency	010-10272-10	50/200	500W	40/10	1500	D,T	8	30	No	0-70 degree transom	Basic dual frequency transducer.
		Airmar TM150M	010-11928-20	95-155	300W	26/17	1500	D,T	8	39	No	3-20 degree transom	*Requires separate install kit for trolling motor mount application.
Thru-Hull		Airmar P319	010-10194-21	50/200	600W	45/12	800-1200	D,T	8	39	010-11947-00	0-7 degree deadrise	Provides excellent performance at high speeds. Excellent on fiberglass and metal hulls. Do not use on wood hulls.
		Airmar B150M with 12° tilt	010-11927-21	95-155	300W	26/17	1500	D,T	8	39	No	8-15 degree deadrise	Entry Level CHIRP solution. Provides good depth capability and good target separation.
		Airmar B150M with 20° tilt	010-11927-22	95-155	300W	26/17	1500	D,T	8	39	No	16-24 degree deadrise	
In-Hull		Airmar P79 adjustable in-hull	010-10327-20	50/200	600W	45/12	800-1200	D	8	25	010-11947-00	0-22 degree deadrise	Entry level, in-hull transducer, with adjustable deadrise able making installation a snap. Not for cored hulls. Maximum fiberglass thickness should be no more than 5/8" thick.
Accessories		6-pin transducer to 8-pin sounder adapter	010-11613-00	N/A	N/A	N/A	N/A	N/A	Unit: 8 XDCR: 6	2	N/A	N/A	Connects existing 6-pin Garmin transducers via a wire terminal block.
		4-pin transducer to 8-pin sounder adapter	010-11948-00	N/A	N/A	N/A	N/A	N/A	Unit: 8 XDCR: 4	2	N/A	N/A	Use this to connect a Garmin 4-pin single/dual beam transducer to a Garmin 8-pin sounder.
		Garmin 8-pin Water Speed Sensor	010-10279-03	N/A	N/A	N/A	N/A	S	8	25	N/A	0-70 degree transom	Water speed sensor that comes with an integrated y-cable to add water speed to your Garmin unit.
		Suction Cup Transducer Adapter (for Garmin Dual Frequency)	010-10253-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Use this suction cup adapter to attach your transom mount transducer to your boat.
		10 ft. 8-pin transducer extension cable	010-11617-00	N/A	N/A	N/A	N/A	N/A	8	10	No	N/A	
		20 ft. 8-pin transducer extension cable	010-11617-01	N/A	N/A	N/A	N/A	N/A	8	20	No	N/A	
		Step Mount (for GT20/21-TM)	010-12106-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		For step mount installations
		Jack Plate Mount (for GT20/21-TM)	010-12106-10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		For jack plate mount installations
		Transom Mount (for GT20/21-TM)	010-12105-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		For transom mount installations

Marine Network | Icon key | Networking | Instruments | Autopilots | Radar | VHF & AIS | Black Box Sounders | Fishfinders | Handhelds | Cartography | Accessories | Specifications

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Specifications

Mounting Style	Picture	Description	Garmin P/N	Freq. (kHz)	Power	Beam-width (°) LF/HF (-3dB)	Max Depth (ft.)	Depth/ Speed/ Temp	# of Pins	Cable Length (ft.)	Adapter Req'd?	Supported Deadrise/ Transom Angles	Garmin comments
SCANNING TRANSDUCERS FOR USE WITH THE GPSMAP 7400 SERIES & GSD 25													
Transom Mount		Garmin GT20-TM	010-12087-01	Trad 77/200, Down 455/800	Trad 500W, Down 500W	45/15	1900 DownVü 750	D,T	8	20	No	0-70 degree transom	Traditional/DownVü optimized for clearer image at shallow depths. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
		Garmin GT21-TM	010-12219-00	Trad 50/200, Down CHIRP 245-275 445-465	Trad 600W, Down 500W	Trad 40/10 Down 2.0x51@260 1.4x29@455	Trad 1500 Down 1000	D,T	8	30	No	0-70 degree transom	Traditional/DownVü optimized for depth and rough conditions. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
		Garmin GT50-TM	010-12222-00	Trad 50/200, Down CHIRP 245-275 445-465	Trad 600W, Down 500W	Trad/CHIRP 26-15 1.1x53@455 0.7x30@800	Trad/CHIRP 1500 Down 750 Side 500	D,T	12	30	No	0-70 degree transom	All-in-one Traditional-CHIRP/SideVü/DownVü optimized for clearer image at shallow depths. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
		Garmin GT51-TM	010-12223-00	Trad/CHIRP 80-160 Down/Side/CHIRP 245-275 445-465	Trad/CHIRP 600W, Down/Side 500W	Trad/CHIRP 24-13 2.0x51@260 1.4x29@455	Trad/CHIRP 1800 Down 1000 Side 750	D,T	12	30	No	0-70 degree transom	All-in-one Traditional-CHIRP/SideVü/DownVü optimized for depth and rough conditions. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
Thru-Hull		Garmin GT21-TH	010-12219-10	Trad 50/200, Down CHIRP 245-275 445-465	Trad 600W, Down 500W	Trad 40/10 Down 2.0x51@260 1.4x29@455	Trad 1500 Down 1000	D,T	8	30	No	Up to 25 degree deadrise	Traditional/DownVü optimized for depth and rough conditions. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
		Garmin GT50M-TH	010-12222-10	Trad/CHIRP 85-165 Down/Side/CHIRP 425-485 790-850	Trad/CHIRP 300W, Down/Side 500W	Trad/CHIRP 26-15 1.1x53@455 0.7x30@800	Trad/CHIRP 1500 Down 750 Side 500	D,T	12	1.5m + 30' ext.	No	Up to 5 degree deadrise	All-in-one Traditional-CHIRP/SideVü/DownVü optimized for clearer image at shallow depths. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
		Garmin GT50-THP	010-12222-11	Trad/CHIRP 85-165 Down/Side/CHIRP 425-485 790-850	Trad/CHIRP 300W, Down/Side 500W	Trad/CHIRP 26-15 1.1x53@455 0.7x30@800	Trad/CHIRP 1500 Down 750 Side 500	D,T	12	1.5m + 30' y-cable	No	Up to 25 degree deadrise	Pair of all-in-one Traditional-CHIRP/SideVü/DownVü optimized for clearer image at shallow depths. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
		Garmin GT51M-TH	010-12223-10	Trad/CHIRP 80-160 Down/Side/CHIRP 245-275 445-465	Trad/CHIRP 600W, Down/Side 500W	Trad/CHIRP 24/13 Down/Side 2.0x51@260 1.4x29@455	Trad/CHIRP 1800 Down 1000 Side 750	D,T	12	1.5m + 30' ext.	No	Up to 5 degree deadrise	All-in-one Traditional-CHIRP/SideVü/DownVü optimized for depth and rough conditions. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
		Garmin GT51-THP	010-12223-11	Trad/CHIRP 80-160 Down/Side/CHIRP 245-275 445-465	Trad/CHIRP 600W, Down/Side 500W	Trad/CHIRP 24/13 Down/Side 2.0x51@260 1.4x29@455	Trad/CHIRP 1800 Down 1000 Side 750	D,T	12	1.5m + 30' y-cable	No	Up to 25 degree deadrise	Pair of all-in-one Traditional-CHIRP/SideVü/DownVü optimized for depth and rough conditions. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
TRADITIONAL TRANSDUCERS FOR USE WITH THE GPSMAP 7400 SERIES & GSD 25													
Transom Mount		Garmin Dual Frequency	010-10272-10	50/200	500W	40/10	1500	D,T	8	30	No	0-70 degree transom	Basic dual frequency transducer.
		Airmar TM150M	010-11928-20	95-155	300W	26/17	1500	D,T	8	39	No	3-20 degree transom	*Requires separate install kit for trolling motor mount application.
		Airmar TM265LH	TBD	42-65 & 130-210	1kW	16-25/6-10	3000	D,T	~~Bare wires~~	39	~~No~~	3-21 degree transom	Best performing and only 1kW transom mount. Excellent deep-water performance and exceptional bottom and water column detail.
Thru-Hull		Airmar P319	010-10194-21	50/200	600W	45/12	800-1200	D,T	8	39	010-11947-00	0-7 degree deadrise	Provides excellent performance at high speeds. Excellent on fiberglass and metal hulls. Do not use on wood hulls.
		Airmar B265LH	TBD	42-65 & 130-210	1kW	16-25/6-10	3000	D,T	~~Bare wires~~	39	~~No~~	0-20 degree deadrise	Essentially combines two B175s in one housing. Excellent deep-water performance and exceptional bottom and water column detail.
In-Hull		Airmar P79 adjustable in-hull	010-10327-20	50/200	600W	45/12	800-1200	D	8	25	010-11947-00	0-22 degree deadrise	Entry level, in-hull transducer, with adjustable deadrise able making installation a snap. Not for cored hulls. Maximum fiberglass thickness should be no more than 5/8" thick.
Accessories		6-pin transducer to 8-pin sounder adapter	010-11613-00	N/A	N/A	N/A	N/A	N/A	Unit: 8 XDCR: 6	2	N/A	N/A	Connects existing 6-pin Garmin transducers via a wire terminal block.
		Garmin 8-pin Water Speed Sensor	010-10279-03	N/A	N/A	N/A	N/A	S	8	25	N/A	0-70 degree transom	Water speed sensor that comes with an integrated y-cable to add water speed to your Garmin unit.
		Suction Cup Transducer Adapter (for Garmin Dual Frequency)	010-10253-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Use this suction cup adapter to attach your transom mount transducer to your boat.

Mounting Style	Picture	Description	Garmin P/N	Freq. (kHz)	Power	Beam-width (°) LF/HF (-3dB)	Max Depth (ft.)	Depth/ Speed/ Temp	# of Pins	Cable Length (ft.)	Adapter Req'd?	Supported Deadrise/ Transom Angles	Garmin comments
Accessories		10 ft. 8-pin transducer extension cable	010-11617-00	N/A	N/A	N/A	N/A	N/A	8	10	No	N/A	
		20 ft. 8-pin transducer extension cable	010-11617-01	N/A	N/A	N/A	N/A	N/A	8	20	No	N/A	
		10 ft. 12-pin transducer extension cable	010-11617-30	N/A	N/A	N/A	N/A	N/A	12	10	No	N/A	Extend a 12-pin cable 10ft.
		30 ft. 12-pin transducer extension cable	010-11617-40	N/A	N/A	N/A	N/A	N/A	12	30	No	N/A	Extend a 12-pin cable 30ft.
		Step Mount (for transom scanning xdcr)	010-12106-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		For step mount installations
		Jack Plate Mount (for transom scanning xdcr)	010-12106-10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		For jack plate mount installations
		Transom Mount (for transom scanning xdcr)	010-12105-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		For transom mount installations

SCANNING TRANSDUCERS FOR USE WITH THE GCV 10

Mounting Style	Picture	Description	Garmin P/N	Freq. (kHz)	Power	Beam-width (°) LF/HF (-3dB)	Max Depth (ft.)	Depth/ Speed/ Temp	# of Pins	Cable Length (ft.)	Adapter Req'd?	Supported Deadrise/ Transom Angles	Garmin comments
Transom Mount		Garmin GT30-TM	010-12089-00	Down/ Side/ CHIRP 425-485 790-850	Down/ Side 500W	Down 1.4x53@455 0.8x30@800 Side 1.1x53@455 0.7x30@800	Down 750 Side 500	D,T	12	20	No	0-70 degree transom	SideVü/DownVü optimized for clearer image at shallow depths. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
Thru-Hull		Garmin GT30-TH	010-12089-10	Down/ Side/ CHIRP 425-485 790-850	Down/ Side 500W	Down 1.4x53@455 0.8x30@800 Side 1.1x53@455 0.7x30@800	Down 750 Side 500	D,T	12	20	No	Up to 5 degree deadrise	SideVü/DownVü optimized for clearer image at shallow depths. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
Thru-Hull		Garmin GT30-THP	010-12089-11	Down/ Side/ CHIRP 425-485 790-850	Down/ Side 500W	Down 1.4x53@455 0.8x30@800 Side 1.1x53@455 0.7x30@800	Down 750 Side 500	D,T	12	20	No	Up to 25 degree deadrise	SideVü/DownVü optimized for clearer image at shallow depths. Provides picture-like images of what is below your boat. Contains fast response water temperature sensor.
Accessories		10 ft. 12-pin transducer extension cable	010-11617-30	N/A	N/A	N/A	N/A	N/A	12	10	No	N/A	Extend a 12-pin cable 10ft.
		30 ft. 12-pin transducer extension cable	010-11617-40	N/A	N/A	N/A	N/A	N/A	12	30	No	N/A	Extend a 12-pin cable 30ft.
		Step Mount	010-12106-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		For step mount installations
		Jack Plate Mount	010-12106-10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		For jack plate mount installations
		Transom Mount	010-12105-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		For transom mount installations

TRADITIONAL TRANSDUCERS FOR USE WITH THE GSD 24

Mounting Style	Picture	Description	Garmin P/N	Freq. (kHz)	Power	Beam-width (°) LF/HF (-3dB)	Max Depth (ft.)	Depth/ Speed/ Temp	# of Pins	Cable Length (ft.)	Adapter Req'd?	Supported Deadrise/ Transom Angles	Garmin comments
Transom Mount		Garmin Dual Frequency	010-10272-10	50/200	500W	40/10	1500	D,T	8	30	No	0-70 degree transom	Basic dual frequency transducer.
Thru-Hull		Airmar P319	010-10194-21	50/200	600W	45/12	800-1200	D,T	8	39	010-11947-00	0-7 degree deadrise	Provides excellent performance at high speeds. Excellent on fiberglass and metal hulls. Do not use on wood hulls.
		Airmar B744V Triducer	010-10183-22	50/200	600W	45/12	800-1200	D,S,T	8	39	No	0-24 degree deadrise	Only thru-hull transducer that offers depth, speed, and temp in one package.
In-Hull		Airmar P79 adjustable in-hull	010-10327-20	50/200	600W	45/12	800-1200	D	8	25	010-11947-00	0-22 degree deadrise	Entry level, in-hull transducer, with adjustable deadrise able making installation a snap. Not for cored hulls. Maximum fiberglass thickness should be no more than 5/8" thick.
Accessories		6-pin transducer to 8-pin sounder adapter	010-11613-00	N/A	N/A	N/A	N/A	N/A	Unit: 8 XDCR: 6	2	N/A	N/A	Connects existing 6-pin Garmin transducers via a wire terminal block.
		4-pin transducer to 8-pin sounder adapter	010-11948-00	N/A	N/A	N/A	N/A	N/A	Unit: 8 XDCR: 4	2	N/A	N/A	Use this to connect a Garmin 4-pin single/dual beam transducer to a Garmin 8-pin sounder.
		Garmin 8-pin Water Speed Sensor	010-10279-03	N/A	N/A	N/A	N/A	S	8	25	N/A	0-70 degree transom	Water speed sensor that comes with an integrated y-cable to add water speed to your Garmin unit.
		Suction Cup Transducer Adapter (for Garmin Dual Frequency)	010-10253-00	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Use this suction cup adapter to attach your transom mount transducer to your boat.
		10 ft. 8-pin transducer extension cable	010-11617-00	N/A	N/A	N/A	N/A	N/A	8	10	No	N/A	
		20 ft. 8-pin transducer extension cable	010-11617-01	N/A	N/A	N/A	N/A	N/A	8	20	No	N/A	

Mounting Style	Picture	Description	Garmin P/N	Freq. (kHz)	Power	Beam-width (°) LF/HF (-3dB)	Max Depth (ft.)	Depth/ Speed/ Temp	# of Pins	Cable Length (ft.)	Adapter Req'd?	Supported Deadrise/ Transom Angles	Garmin comments
CHIRP TECHNOLOGY TRANSDUCERS FOR USE WITH THE GSD 26													
Transom Mount		Airmar TM265LH	010-11646-20	42-65 & 130-210	1kW	16-25/6-10	3000	D,T	Bare wires	39	No	3-21 degree transom	Best performing and only 1kW transom mount. Excellent deep-water performance and exceptional bottom and water column detail.
		Airmar TM265LM	010-11650-20	42-65 & 85-135	1kW	16-25/11-16	3000	D,T	Bare wires	39	No	3-21 degree transom	
Thru-Hull		Airmar B265LH	010-11645-20	42-65 & 130-210	1kW	16-25/6-10	3000	D,T	Bare wires	39	No	0-20 degree deadrise	Essentially combines two B175s in one housing. Excellent deep-water performance and exceptional bottom and water column detail.
		Airmar B265LM	010-11647-20	42-65 & 85-135	1kW	16-25/11-16	3000	D,T	Bare wires	39	No	0-20 degree deadrise	
		Airmar R109LH	010-11642-20	38-75 & 130-210	2kW	'9x23/ 4-8	8000	D,T	Bare wires	49	No	0-25 degree deadrise	2kW in a slightly smaller package than the R509LH. Very narrow-beam at both low and high frequencies for excellent deep water performance.
		Airmar R509LH	010-11640-20	28-60 & 130-210	2-3kW	'5x9-11x23/ 4-8	10000	D,T	Bare wires	49	No	0-25 degree deadrise	Best deep water performance, highest power. Very narrow-beam at both low and high frequencies for excellent deep water performance. One transducer covers popular fishing frequencies - 28, 38, 50 and 200 all in one transducer. Not the best choice for those who primarily fish in shallow water.
In-Hull		Airmar M265LH	010-11644-20	42-65 & 130-210	1kW	16-25/6-10	3000	D	Bare wires	39	No	0-30 degree deadrise	Best performing and only 1kW in-hull. Excellent deep-water performance and exceptional bottom and watercolumn detail. Narrow beam provides crisp image detail. Not for cored-hull vessels.
		Airmar R111LH	010-11643-20	38-75 & 130-210	2kW	10x19/ 4-8	8000	D,T	Bare wires	49	No	0-25 degree deadrise	In-hull version of the R109LH. Very narrow-beam at both low and high frequencies for excellent deep water performance. Not for cored-hull vessels.
		Airmar R599LH	010-11641-20	28-60 & 130-210	2-3kW	9x23/ 4-8	10000	D	Bare wires	49	No	0-22 degree deadrise	In-hull version of the R509LH. Best deep water performance, highest power. Very narrow-beam at both low and high frequencies for excellent deep water performance. Not best choice for fishing shallow water. Not for cored-hull vessels.
Pocket Mount		Airmar PM265LH	010-11811-20	42-65 & 130-210	1kW	16-25/6-10	3000	D,T	Bare wires	39	No	Installation Dependant	Popular choice for boat builders. Pocket mount version of the B265LH.
		Airmar PM265LM	010-11812-20	42-65 & 85-135	1kW	16-25/11-16	3000	D,T	Bare wires	39	No	Installation Dependant	Popular choice for boat builders. Pocket mount version of the B265LM.
		Airmar R111LH	010-11643-20	38-75 & 130-210	2kW	10x19/ 4-8	8000	D,T	Bare wires	49	No	Installation Dependant	Pocket mount version of the R109LH. Very narrow-beam at both low and high frequencies.
		Airmar CM599LH	010-11813-20	28-60 & 130-210	2-3kW	9x23/ 4-8	10000	D,T	Bare wires	49	No	Installation Dependant	Pocket mount version of the R599LH. Very narrow-beam at both low and high frequencies. Not best choice for fishing shallow water.
SMART SENSORS FOR USE WITH NMEA 0183 OR NMEA 2000 PRODUCTS													
Transom Mount		Intelliducer, NMEA2000, Transom	010-00703-00	160	150W	N/A	900	D,T	NMEA 2000	20	No	0-22 degree transom	Provide depth and temp.
		Intelliducer, NMEA0183, Transom	010-00704-00	160	150W	N/A	900	D,T	NMEA 0183	30	No	0-22 degree transom	Provide depth and temp.
		Airmar P39 Triducer, NMEA2000, Transom	010-11050-00	235	100W	11	500	D,T,S	NMEA 2000	20	No	0-20 degree transom	Provide depth, temp, speed.
Thru-Hull		Intelliducer, NMEA2000, 0-12 degree	010-00701-00	160	150W	N/A	900	D,T	NMEA 2000	20	No	0-12 degree deadrise	Provide depth and temp.
		Intelliducer, NMEA2000, 13-24 degree	010-00701-01	160	150W	N/A	900	D,T	NMEA 2000	20	No	13-24 degree deadrise	Provide depth and temp.
		Intelliducer, NMEA0183, 0-12 degree	010-00702-00	160	150W	N/A	900	D,T	NMEA 0183	30	No	0-12 degree deadrise	Provide depth and temp.
		Intelliducer, NMEA0183, 13-24 degree	010-00702-01	160	150W	N/A	900	D,T	NMEA 0183	30	No	13-24 degree deadrise	Provide depth and temp.
		Airmar DST800, Triducer, NMEA2000	010-11051-00	235	100W	10x44	330	D,T,S	NMEA 2000	20	No	0-22 degree transom	Provide depth, temp, speed.
		Airmar DST800, Triducer, NMEA0183	010-11051-10	235	60W	10x44	230	D,T,S	NMEA 0183	33	No	0-22 degree transom	Provide depth, temp, speed.
		Airmar DT800, Triducer, NMEA 2000	010-11105-00										
In-Hull		Airmar P79 adjustable in-hull	010-11394-00	235	100W	7	500	D	NMEA 2000	20	No	0-22 degree deadrise	Entry level, in-hull transducer, with adjustable deadrise able making installation a snap. Not for cored hulls. Maximum fiberglass thickness should be no more than 5/8" thick.
Accessories		NMEA 2000 Transducer Adapter Kit	010-11525-00	200	300W	Depends on transducer	900	Depends on transducer	NMEA 2000	6.5	No	Depends on transducer	Adapts already installed Airmar P19, B60 (or compatible) 200 kHz transducer to a NMEA 2000 network.

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GPSMAP 8000, 8500 & GMM series

GPSMAP 8015   GMM 170   GPSMAP 8500

The package contains

GPSMAP 8008/8012 or 8015, GPS 19x NMEA 2000® (with pole mount, flush mount and under deck mount adapters)[1], Garmin card reader[1], Protective cover, Flush mount gasket and hardware, Power cable, NMEA 0183 cable, NMEA 2000 2 m backbone/drop cable, NMEA 2000 10 m backbone cable, NMEA 2000 power cable, NMEA 2000 T-connector & terminator kit, Documentation
[1]Item not included with the display only variation

GMM 150/170 or 190, Protective cover, Flush mount gasket and hardware, Power cable, DVI-D cable 15 ft, 20 ft network cable, Documentation

GPSMAP 8500/8530, Mounting hardware, Power cable, NMEA 0183 cable, NMEA 2000 2 m backbone/drop cable, NMEA 2000 power cable, NMEA 2000 T-connector & terminator kit, Manual case with documentation

GPSMAP 8008	
010-11984-01	Bail mount
010-11985-01	Mounting gasket
010-12018-00	Flat mount kit
010-11986-01	Trim piece snap cover
010-11987-01	Protective cover
GPSMAP 8012	
010-11984-02	Bail mount
010-11985-02	Mounting gasket
010-12018-01	Flat Mount Kit
010-11986-02	Trim piece snap cover
010-11987-02	Protective cover
GPSMAP 8015	
010-11985-03	Mounting gasket
010-12018-02	Flat Mount Kit
010-11986-03	Trim piece snap cover
010-11987-03	Protective cover
GMM 150	
010-11985-04	Mounting gasket
010-12019-00	Flat Mount Kit
010-11986-04	Trim piece snap cover
010-11987-04	Protective cover
GMM 170	
010-11985-05	Mounting gasket
010-12019-01	Flat Mount Kit
010-11986-05	Trim piece snap cover
010-11987-05	Protective cover
GMM 190	
010-11985-06	Mounting gasket
010-12019-02	Flat Mount Kit
010-11986-06	Trim piece snap cover
010-11987-06	Protective cover
Series accessories	
010-01024-00	GRID (Garmin Remote Input Device)
010-01023-00	Garmin Card Reader
010-11986-07	GRID Trim piece snap cover
010-11986-08	Trim piece snap cover, Garmin Card Reader
010-12000-00	DVI-D cable, 2 m
010-12000-01	DVI-D cable, 5 m
010-12000-02	DVI-D cable, 10 m
010-11425-08	Power cable, GMM 150/170/190
010-11425-09	Network cable, 6ft
010-11082-00	Pole mount adapter
010-11083-00	Surface mount adapter
010-11084-00	Under deck mount
010-11984-02	Bail mount w/knobs
010-10550-00	6ft Marine network cable, RJ45
010-10551-00	20ft Marine network cable, RJ45
010-10552-00	40ft Marine network cable, RJ45
010-10562-00	Cable grommet
010-10580-00	Cable coupler, marine network
010-10603-00	Marine network cable connector RJ45, 2-pack
010-10603-01	Marine network cable connector RJ45, 20-pack
010-10647-01	500ft Bulk, Marine network cable, RJ45
010-10817-02	Weather cap, NMEA 0183 cable
010-10817-03	Weather cap, power/data cable
010-10817-04	Weather cap, network cable
010-11425-00	Video cable (threaded)
010-11425-01	Power cable (threaded)

010-11425-02	NMEA 0183 cable (threaded)
010-11425-03	Video cable (threaded, right angle)
010-11425-04	Power cable (threaded, right angle)
010-11425-05	NMEA 0183 cable (threaded, right angle)
010-11425-06	Multimedia cable (right angle)
010-11454-00	Antenna cable (10 m)
010-10683-05	4GB microSD card with SD adapter
010-00351-00	GMS 10 Network Port Expander (Network Device)
010-11417-00	Marine heading sensor, Airmar H2183
010-11418-00	Marine heading sensor cable, NMEA 0183, 10 m
010-11419-00	Marine heading sensor cable, NMEA 2000, 6 m
010-11981-30	Garmin Wi-Fi Adapter, for use with Garmin

GPSMAP 7400 series

GPSMAP 7412xsv   GPSMAP 7410xsv   GPSMAP 7408xsv   GPSMAP 7407xsv

The package contains

GPSMAP 74xx unit, Power/data cable, NMEA 2000® drop cable, T-connector, Bail mount with knobs Flush mount kit, Protective cover, Grommet, Documentation

GPSMAP 7407	
010-12163-00	Bail Mount,GPSMap 7407
010-12164-00	Flush Mount Gasket,GPSMap 7407
010-12165-00	Top/Bottom Trim Cap Bezel,GPSMap 7407
010-12166-00	Protective Sun Cover, GPSMap 7407
010-12167-10	SD Card Door,Repl,GPSMap 7407
GPSMAP 7408	
010-12163-01	Bail Mount,GPSMap 7408
010-12164-01	Flush Mount Gasket,GPSMap 7408
010-12165-01	Top/Bottom Trim Cap Bezel,GPSMap 7408
010-12166-01	Protective Sun Cover,GPSMap 7408
010-12167-00	SD Card Door,Repl,GPSMap 7408/7410/7412
GPSMAP 7410	
010-12163-02	Bail Mount,GPSMap 7410
010-12164-02	Flush Mount Gasket,GPSMap 7410
010-12165-02	Top/Bottom Trim Cap Bezel,GPSMap 7410
010-12166-02	Protective Sun Cover,GPSMap 7410
010-12167-00	SD Card Door,Repl,GPSMap 7408/7x10/7412
GPSMAP 7412	
010-12163-03	Bail Mount,GPSMap 7412
010-12164-03	Flush Mount Gasket,GPSMap 7412
010-12165-03	Top/Bottom Trim Cap Bezel, GPSMAP 7412
010-12166-03	Protective Sun Cover,GPSMap 7412
010-12167-00	SD Card Door,Repl,GPSMap 7408/7410/7412

GPSMAP 1020xs/1020 & 820xs/820

GPSMAP 1020xs   GPSMAP 820xs

The package contains

1020xs/1020 or 820xs/820, Power/data cable, Bail mount, Flush mount, Protective cover, Documentation

Accessories	
010-12087-01	All-in-one 77/200 kHz HD-ID and DownVü
010-12105-00	Transom Mount
010-12105-10	Trolling Motor Mount
010-12127-00	Bail Mount, 800 series
010-12128-00	Bail Mount, 1000 series
010-12123-00	Protective Cover, 800 series
010-12124-00	Protective Cover, 1000 series
010-12125-00	Trim Piece Snap Cover, 800 series
010-12126-00	Trim Piece Snap Cover, 1000 series
010-12129-00	Flush Mount Kit, 800 series
010-12130-00	Flush Mount Kit, 1000 series
010-12131-00	Flat Mount Kit, 800 series
010-12132-00	Flat Mount Kit, 1000 series
010-12133-00	SD Card Door

GPSMAP 721xs & 721

GPSMAP 721xs   GPSMAP 721

The package contains

721xs/721, Power/data cable, Bail mount and knobs, Flush mount kit, Protective cover, Documentation

Accessories	
Wiring & connectors	
010-11970-00	Power Cable GPSMAP 721/721xs
010-10817-03	Connector guard Power/data
010-10817-01	Connector guard NMEA 2000
010-10817-02	Connector guard NMEA 0183
010-11261-00	Connector guard for BNC
010-11972-00	Protective Cover
010-11976-00	Trim Piece Snap Cover
010-12058-00	microSD Card Door (replacement)
Miscellaneous	
010-11967-00	Bal Mount,Repl GPSMAP 721/721xs
010-11969-00	2nd Mount Station
010-11978-00	Flush Mount Kit
010-11995-00	Flat Mount Kit
010-00872-00	GPS antenna GA30
010-11454-00	Antenna cable GA30 10 m
010-11082-00	Pole mount for GA30
010-11083-00	Flush mounting kit for GA30
010-11084-00	Installation kit below deck GA30

NMEA 2000 accessories, see page 97
Depth transducer, see page 88

GPSMAP 527xs & 527

GPSMAP 527xs   GPSMAP 527

The package contains

527xs/527, Power/data cable, Tilt/swivel mount, Flush mount kit, Protective cover, Documentation

Accessories	
010-12017-00	GA 38 GPS/ GLONASS antenna
010-11082-00	Pole mount adapter
010-11083-00	Surface mount adapter
010-11084-00	Under deck mount
010-10447-05	Flush mounting kit
010-10921-00	Marine swivel mounting bracket (replacement)
010-10930-00	2nd Mounting station
010-11454-00	Antenna cable (10 m)
010-10683-05	4GB microSD card with SD adapter
010-10912-00	Protective cover (replacement)

echoMAP 92sv/72sv & 52dv/42dv

echoMAP 92sv   echoMAP 72sv   echoMAP 52dv   echoMAP 42dv

The package contains

echoMAP unit, Transom transducer (depenting on version), Power/data cable, Protective cover (not 42dv), Quick release mount, (Tilt/Swivel (42dv/52dv) and Tilt only (72dv/92dv), Documentation

echoMAP 42dv	
010-12199-00	Protective Cover
010-12199-01	Flush Mount Kit
010-12199-03	Tilt/Swivel Quick Release Mount
echoMAP 52dv	
010-12247-00	Flush Mount Kit
010-12247-01	Trim Piece Snap Covers
echoMAP 72sv	
010-12233-00	Protective Cover

010-12233-01	Flush Mount Kit
010-12233-02	Trim Piece Snap Covers
010-12233-03	Bail Mount, echoMAP 7x/9x
010-12233-04	MicroSD Card Door
echoMAP 92sv	
010-12234-00	Protective Cover
010-12234-01	Flush Mount Kit
010-12234-02	Trim Piece Snap Covers
010-12233-03	Bail Mount, echoMAP 7x/9x
010-12234-04	MicroSD Card Door
Series Accessories	
010-12199-04	Cable,Power,Data,6ft,echoMAP
010-12234-05	Cable, 4-pin to 12 pin
010-12234-06	User Sharing Data Cable

GPS 158i

GPS 158i

The package contains

GA38, Tilt/swivel quick release mount, Power cable, Hardware and Documentation

Accessories	
010-12017-00	GA38 GPS Antenna
010-11676-00	Quick release mount with tilt/swivel
010-11682-00	Flush mount kit
010-11680-00	Protective cover

Instruments

GMI 20   GNX 21   GND10/gWind   GPS 19x   GFS 10

The package contains

GMI 20 or GNX 20 or GNX 21, Black trim piece snap cover, Silver/black trim piece snap cover (only GMI 20), Protective cover, Flush mount gasket and hardware, NMEA 2000® power cable, NMEA 2000 drop cable, NMEA 2000 T-connectors and terminators, Documentation

gWind Wireless + WSI Box + GND 10 or gWind + GND 10 or gWind Race + GND 10

GPS 19x, Antenna, Installation equipment for pole, Flush and below deck, Drop cable, T-connection and Termination kit

GMI 20/GNX 20/21	
010-12023-00	Flat mount kit
010-12021-00	Flat mount gasket
010-12020-00	Protective cover
010-12022-00	Trim snap piece cover (black)
010-12022-01	Trim snap piece cover (silver/black)
GND10/gWind	
010-12117-00	GND 10 USB Mini-B Cable
010-12117-01	Nexus Field Installable Connectors, M8,M,F
010-12117-02	gWind to nWind Connector Adapter Cable
010-12117-03	Nexus Network Cable, Straight Connector (5 m)
010-12117-04	Mast Cable (25 m)
010-12117-05	Mast Cable (40 m)
010-12117-06	Mast Bracket, gWind
010-12117-07	Mast Bracket gWind Race
010-12117-08	Propeller
010-12117-09	Nexus Cable, Bare Ends (8m)
GPS 19x	
010-11082-00	Pole mount adapter
010-11083-00	Surface mount adapter
010-11084-00	Under deck mount
010-11824-00	Power data cable
010-11824-01	Update & rate select cable

NMEA 2000 accessories, see page 97

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GC 10

GC 10 Marine Camera

The package contains

GC 10, Integrated power/video cable (45 cm), Installation kit

Accessories	
010-11376-00	BNC for RCA adapter GC 10
010-11376-02	Video cable GC 10 5 m
010-11376-03	Video cable GC 10 15 m

Marine heading sensor

Marine Heading Sensor

Accessories	
010-11418-00	NMEA 0183 cable MHS 10 m
010-11419-00	NMEA 2000 cable MHS 6 m

NMEA Analogue adapters

NMEA Analogue Adapters

Accessories	
010-01140-00	GMI 20 Marine Display
010-11413-00	Speed/Temperature sensor
010-11413-01	Temperature sensor
010-10279-02	Speed sensor 7-pin
010-11456-00	Paddle wheel for speed sensor

Reactor Autopilot Series

Reactor Hydraulic   Reactor Mechanical   Reactor steer-by-wire

The package contains

Hydraulic Corepack: GHP Reactor CCU, GHC 20 helm control display, ECU, ECU power cable, Interconnect cable, Shadow Drive, buzzer, NMEA 2000 drop cables (2 m), NMEA 2000 power cable, NMEA 2000 T-connectors, Male and female terminators, Documentation.

Hydraulic Corepack with SmartPump: GHP SmartPump, GHP Reactor CCU, GHC 20 helm control display, ECU power cable, Interconnect cable, Shadow Drive, Buzzer, NMEA 2000 drop cables (2 m), NMEA 2000 power cable, NMEA 2000 T-connectors, Male and female terminators, Documentation.

Mechanical Corepack: GHP Reactor CCU, GHC 20 helm control display, ECU, Interconnect cable, Buzzer, NMEA 2000 drop cables (2 m), ECU power cable, NMEA 2000 T-connectors, Male and female terminators, Documentation

Steer-By-Wire Standard Corepack: GHP Reactor CCU, GHC 20 helm control display, CCU cable, Buzzer, NMEA 2000 drop cables (2 m), NMEA 2000 power cable, NMEA 2000 T-connectors, Male and female terminators, Documentation

Steer-By-Wire Yamaha Corepack: GHP Reactor CCU, GHC 20 helm control display, CCU cable, Buzzer, NMEA 2000 drop cables (2 m), NMEA 2000 power cable, NMEA 2000 T-connectors, Male and female terminators, Documentation

Steer-By-Wire Volvo Penta Corepack: GHP Reactor CCU Volvo-Penta, GHC 20 helm control display, Volvo IPS Gateway, buzzer, Interconnect cable, NMEA 2000 drop cables (2 m), NMEA 2000 power cable, NMEA 2000 T-connectors, Male and female terminators, Documentation

Accessories	
010-11351-30	Interconnect cable, GHP 3D Hydraulic Corepack
010-11351-40	Interconnect Cable, GHP 3D Mech & Hyd w/Pump
010-11351-50	Interconnect cable, GHP 3D, SBW Corepacks
010-11052-62	Ghp Reactor CCU
010-11052-60	Steer-by-Wire
010-11052-61	VIPER
010-11052-63	Volvo Penta

Radar (all models)

GMR 1206 xHD2   GMR 404 xHD2   GMR 24 xHD/18 xHD   GMR 18 HD

The package contains

Radar antenna, Installation kit, Power/radar cable 15 m, Documentation

Accessories	
010-10550-00	6ft Marine network cable, RJ45
010-10551-00	20ft Marine network cable, RJ45
010-10552-00	40ft Marine network cable, RJ45
010-10562-00	Cable grommet
010-10580-00	Cable coupler, marine network
010-10603-00	Marine network cable connector RJ45, 2-pack
010-12067-01	Power, GMR, 12AWG
010-10603-01	Marine network cable connector RJ45, 20-pack
010-10647-01	500ft Bulk, Marine network cable, RJ45
010-10817-04	Weather cap, network cable
010-11170-00	Thd Collar, Split, RJ45 Cable
010-11417-00	Marine heading sensor, Airmar H2183
010-11418-00	Marine heading sensor cable, NMEA 0183, 10 m
010-11419-00	Marine heading sensor cable, NMEA 2000, 6 m
Garmin Marine Network accessories, see page 97	

VHF 300i/300i AIS/200i/100i

VHF 300i   VHF 200i   VHF 100i

The package contains

VHF 300i/VHF 300i AIS, GHS 10i remote control/mic, Active speaker, Power cable, Deck cable (10 m), Marine installation equipment, Suspended mount for GHS 10i, Documentation

VHF 200i or 100i, Removable speaker/microphone (200i), Fixed connection speaker/microphone (100i), Power cable, Hailer/NMEA 0183 cable (200i), NMEA 0183 cable (100i), Mounting bracket, Sealing strip for inset mounting, Mounting equipment, Mount for microphone, Protective cover, Documentation

VHF 100i	
010-11257-10	Volume/squelch and channel button
010-11196-00	Microphone hanger
VHF 300i AIS/300i	
010-11184-00	Cable extension, 12 pin, 5 m
010-11185-00	Cable extension, 12 pin, 10 m
010-11186-00	Deck cable, 12 pin, 10 m
010-11406-00	Deck cable extension, 12 pin, 3 m
010-11733-00	Quick release lanyard
010-11217-00	Active speaker, Black
010-11219-00	Power cable, VHF 300/ NMEA 0183, Hailer
010-11257-10	Knob, volume/ squelch & channel change
010-11258-10	Active speaker top and bottom snap covers, Black
~~010-11354-00~~	~~Dealer Programming Box~~
010-11188-10	GHS 10i Black
010-11190-10	GHS 20i, GWH 20 Black Wireless - Remote handset and hub
010-11190-11	GHS 20i Black Wireless remote handset
010-11196-00	Mic hanger
010-11257-00	GHS 10/20 channel change knob
010-11401-00	GWH 20 Wireless hub
010-11402-00	Charging cradle for GHS 20/20i
010-11403-00	Belt clip for GHS 20/20i.
VHF 200i	
010-11194-00	Fist mic relocation kit
010-11191-00	Bail mount
010-11192-00	Bail mount knobs
010-11182-00	Power cable, 1.5 m
010-11183-00	NMEA 0183 cable, 15 inch
010-11184-00	Cable extension, 12 pin, 5 m
010-11185-00	Cable extension, 12 pin, 10 m
010-11186-00	Deck cable, 12 pin, 10 m
010-11406-00	Deck cable extension, 12 pin, 3 m
010-11197-10	Protective cover, Black
010-11733-00	Quick release lanyard
010-11193-01	Fist mic, Black
010-11199-00	Top & bottom snap cover, Silver
010-11200-00	Flush mounting gasket
010-11257-10	Knob, volume/ squelch & channel change

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010-11354-00	Dealer Programming Box
010-11188-10	GHS 10i Black
010-11190-10	GHS 20i, GWH 20 Black Wireless - Remote handset and hub
010-11190-11	GHS 20i Black Wireless remote handset
010-11196-00	Microphone hanger
010-11257-00	GHS 10/20 channel change knob
010-11401-00	GWH 20 Wireless hub
010-11402-00	Charging cradle for GHS 20/20i
010-11403-00	Belt clip for GHS 20/20i

NMEA 2000 accessories, see page 97

AIS 600 & 300

AIS 600   AIS 300

The package contains

AIS 600, GA 38 GPS antenna, Power cable, Safety Related Message cable, NMEA 2000 drop cable (2 m), VHF interconnect cable (1.2 m), Installation equipment, NMEA 2000 T-connection, USB cable, PC/Software CD

AIS 300, Power/data cable, NMEA 2000 drop cable (2 m), VHF interconnect cable (1.2 m), Installation equipment, NMEA 2000 T-connection

AIS 600	
010-00872-00	GPS antenna GA 38
010-11422-00	Power cable
010-11422-01	Safety Related Message cable
010-10723-01	PC cable mini-USB

AIS 600/300	
010-11422-00	Power cable
010-11422-02	VHF interconnect cable 2 m
010-11422-03	VHF interconnect cable 5 m
010-11442-00	NMEA 2000 start kit

NMEA 2000 accessories, see page 97

GSD 26/25/24 & GCV 10

GSD 26   GSD 25   GSD 24   GCV 10

The package contains

GSD 24, Power/data cable, Network cable, Adapter for connection to older transducer, Documentation

GSD 25, Right-Angle Power Cable (2 m), Right-Angle Network Cable (2 m), Mounting Hardware, Documentation

GSD 26, Power/data cable, Network cable, Documentation

GCV 10, DownVü/SideVü transducer, Right-angle power cable (20 ft), Right-angle network cable (6 ft), Right-angle transducer adapter cable, Transom transducer mount, Mounting hardware, Documentation

GSD 26/25/24	
010-10550-00	6ft Marine network cable, RJ45
010-10551-00	20ft Marine network cable, RJ45
010-10552-00	40ft Marine network cable, RJ45
010-10562-00	Cable grommet
010-10580-00	Cable coupler, marine network
010-10603-00	Marine network cable connector RJ45, 2-pack
010-10603-01	Marine network cable connector RJ45, 20-pack
010-10647-01	500ft Bulk, Marine network cable, RJ45
010-10817-04	Weather cap, network cable
010-11170-00	Thd Collar, Split, RJ45 Cable
010-11425-01	Power cable (threaded)
010-10279-03	Speed sensor, 8-pin, plastic, transom mount
010-10365-20	AIRMAR ST850 Speed/Temp sensor, 8-pin,
010-10717-20	AIRMAR T80 Water temp probe, 8-pin,
010-11613-00	8-pin Female to wire block adapter
010-11617-50	Transducer extension cable, 8-pin (10ft)
010-11617-52	Transducer extension cable, 8-pin (20ft)
010-10781-00	Power/ data cable
010-10717-00	Temperature probe w/ID, 25ft cable

010-12262-00	RA Adapter, 8pin Xdcr
010-12262-10	RA Adapter,12pin Xdcr

GCV 10	
010-12089-00	Right angle transducer adapter cable, GCV 10
010-12089-10	GT30-TH, DV/SV, 455/800, Thru Hull
010-12089-11	GT30-THP, DV/SV, 455/800, Thru Hull Pair
010-12106-00	Step Mount
010-12106-10	Jack Plate Mount
010-12006-00	Transom Mount
010-11617-30	10ft Transducer Extension Cable
010-11617-40	30ft Transducer Extension Cable
010-12097-00	Power Cable, Right Angle
010-12262-10	12-pin Transducer Cable Adapter, Right Angle

echo 551dv/201dv

echo 551dv   echo 201dv

The package contains

echo 551dv, 501c or 201dv/201, Quick-release mount, Power cable, Transom/trolling transducer, Documentation

Accessories	
010-11678-10	Power cable, 18 AWG
010-11680-00	Protective cover
010-11676-00	Quick release mount with tilt/swivel
010-11682-00	Flush mounting kit
010-11849-00	Portable echo kit
010-11849-04	AC charger, replacement for portable kit
010-11849-05	Portable bag, replacement
010-11849-07	Suction cup transducer mount, replacement
010-11849-08	Base and handle, replacement for portable kit
010-10279-04	Speed Sensor (4-pin)
010-11615-00	Transducer adapter, female 4-pin to male 6-pin

echo 301dv/301c/151dv/151/101

echo 301dv/301c   echo 151dv/151   echo 101

The package contains

echo 301dv/301c,151dv/151 or 101, Quick-release mount, Power cable, Transom/trolling transducer, Documentation

echo 301dv/301c	
010-11678-10	Power cable, 18 AWG
010-11679-00	Protective cover
010-11677-00	Quick release mount with tilt/swivel
010-11681-00	Flush mounting kit
010-11849-00	Portable echo kit
Part Number	MSRP
010-11849-04	AC charger, replacement for portable kit
010-11849-05	Portable bag, replacement
010-11849-07	Suction cup transducer mount, replacement for
010-11849-08	Base and handle, replacement for portable kit
010-10279-04	Speed Sensor (4-pin) - not for 301/301dv
010-11615-00	Transducer adapter, female 4-pin to male 6-pin

echo 301dv/301c/151dv/151/101	
010-11678-10	Power cable, 18 AWG
010-11679-00	Protective cover
010-11677-00	Quick release mount with tilt/swivel
010-11681-00	Flush mounting kit
010-11849-00	Portable echo kit
010-11849-04	AC charger, replacement for portable kit
010-11849-05	Portable bag, replacement
010-11849-07	Suction cup transducer mount, replacement for
010-11849-08	Base and handle, replacement for portable kit
010-11615-00	Transducer adapter, female 4-pin to male 6-pin

Handhelds

quatix

quatix

The package contains

quatix marine watch, Dark grey band, Light grey band, Screws, Torx tool, USB/Charger cable, AC adapter with EU and UK plugs, Documentation

Accessories	
010-10635-00	AC adapter (replacement)
010-10635-01	AC adapter
010-10644-02	External Power Pack
010-11814-10	fenix USB/Charger Cable
010-01134-00	GNT 10 NMEA transceiver
010-11814-02	fenix Wrist Strap Kit
010-11814-03	fenix Carabiner Strap
010-11814-20	Dark gray band, replacement
010-11814-21	Light gray band, replacement

Monterra & Montanta 650t/650/600

Monterra   Montanta 650t   Montanta 650   Montanta 600

The package contains

Monterra, Lithium-ion battery pack, USB cable, AC adapter, Anti-glare screen protectors, Documentation

Montana 650t/650/600, Lithium-ion battery, Mounting bracket, Power cable for boat, AC charger, USB cable, Protective cover, Documentation

Accessories	
010-10851-11	Vehicle Power Cable
010-11654-00	Suction Cup Mount with Speaker
010-11654-01	AMPS Rugged Mount with Audio/Power Cable
010-10962-00	RAM Mounting Kit
010-11654-06	Marine Mount with Power Cable
010-11654-03	Lithium-Ion Battery Pack
010-11654-04	Friction Mount Kit with Speaker
010-11654-05	Anti-Glare Screen Protectors (Montana)
010-10117-02	Universal Carrying Case
010-11131-00	Serial Data/Power Cable
010-10997-00	Heart Rate Monitor
010-10997-02	Heart Rate Monitor - Soft Strap
010-10644-00	Speed/Cadence Bike Sensor
010-11092-20	CHIRP Geocaching Beacon
010-11921-06	Lithium-Ion Battery Charger
010-10683-05	4 GB microSD™ Card with SD™ Adapter
010-11092-30	tempe™ Acc,Ext Temp Sensor
010-10997-07	Soft Strap Premium Heart Rate Monitor
010-10714-00	Elastic Strap for Heart Rate Monitor
010-10714-01	Elastic Strap for Heart Rate Monitor (Small)
010-10729-00	Speed/Cadence Bike Sensor Replacement Parts
010-11996-00	Anti-glare Screen Protector (Monterra™)

GPSMAP 78s/78

GPSMAP 78s   GPS 78

The package contains

GPSMAP 78s or 78, USB cable, Wristband, Documentation

Accessories	
010-10851-11	Cig adapter
010-11131-00	Power/data cable Serial
010-00872-00	GPS antenna GA30
010-10121-00	Adapter cable MCX BNC
010-11343-00	Battery charger + 2 AA NiMH batteries
010-11441-00	Marine mount
010-11441-01	Dashboard mount
010-10082-00	Power/data cable
010-10085-00	Cig adapter
010-10117-02	Soft case
010-10141-00	PC cable
010-10165-00	PC/Cig adapter
010-10199-02	Base plate for Dashboard mount
010-10306-00	Beanbag for dashboard mount
010-10310-00	USB for Serial adapter
010-10503-01	Friction mount for dashboard mount
010-10723-01	USB cable

GPS 72H

GPS 72H

The package contains

GPS 72H, Carrying strap, Documentation
GPS 72H (Marine pack), Cig adapter, Marine mount, Case, Carrying strap, Documentation

Accessories	
010-10082-00	Power/data cable
010-10085-00	Cig adapter
010-10117-02	Soft case
010-10141-00	PC cable
010-10165-00	PC/Cig adapter
010-10199-02	Base plate for Dashboard mount
010-10300-00	Marine mount
010-10305-00	Dashboard mount
010-10305-01	Cycle mount 25 mm
010-10306-00	Beanbag for dashboard mount
010-10310-00	USB for Serial adapter
010-10496-00	Adapter for cycle mount 25-32 mm
010-10503-01	Friction mount for dashboard mount
010-10723-01	USB cable

VIRB

VIRB Elite   VIRB

The package contains

VIRB or VIRB Elite action camera, Lithium-ion battery, Cradle, Short link, Right angle link, Adapter to popular industry mounts, Flat surface mount, Curved surface mount, Removable flange base, Threaded collar, Knobs (3), USB cable, Documentation

Accessories	
010-11838-00	Vehicle power cable
010-11921-04	Dive case
010-11921-07	Bike/large tube mount
010-11921-08	Vented helmet strap mount
010-11921-09	Head strap mount
010-11921-10	Shoulder harness mount
010-11921-11	Tripod mount
010-11921-12	Wrist strap
010-11921-13	Auto dash suction mount
010-11921-14	Audio-video cable
010-11921-15	Small tube mount
010-12094-00	VIRB Remote control
010-12095-30	Wrist strap kit

Marine Network

Icon key

Networking

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Specifications

Scanstrut acessories, Garmin Marine Network & NMEA 2000

Scanstrut Acessories

Composite PowerTower®
150mm

Composite PowerTower®
350mm

Deck Pod 8"

Mast Mount 4 kW

Mast Mount 18"

Mast Mount 24"

Helm Pod 12"

Helm Pod 8"

Accessories

021-00060-00	150mm (6") Composite PowerTower®
021-00059-00	350mm (14") Composite PowerTower®
021-00061-00	Mast Mount for 18" radome
021-00062-00	Mast Mount for 24" radome
021-00058-00	Self-leveling Mast Mount - for 4kW Garmin radomes
021-00063-00	Deck Pod - Up to 8" displays (deep back) - White
021-00064-00	Deck Pod - 10" & 12" displays (deep back) - White
021-00066-00	Helm Pod - Up to 8" displays (deep back) - White
021-00021-00	Helm Pod - 10" & 12" displays (deep back) - White
021-00065-00	Helm pod for 4 x standard instruments / 2 x standard instruments + 1 x 7" screen - White

Garmin Marine Network

010-10550-00	Network cable RJ45 6 ft
010-10551-00	Network cable RJ45 20 ft
010-10552-00	Network cable RJ45 40 ft
010-10580-00	Extension connector for network cable
010-10603-00	Network connector RJ45 2 pack
010-10603-01	Network connector RJ45 20 pack
010-10647-00	Network cable RJ45 100 m
010-10817-04	Connector guard Network
010-11090-00	Network cable RJ45 Angled to the right
010-00351-00	GMS 10 Network Port Expander

NMEA 2000

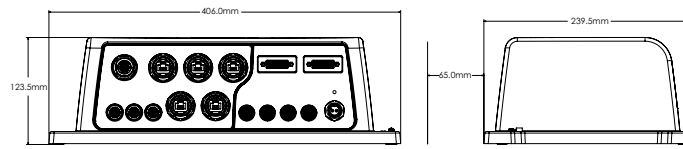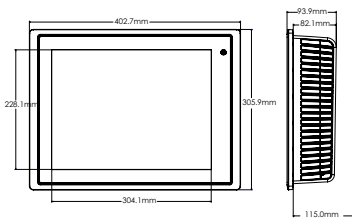|	
010-10817-01	Connector guard NMEA2000
010-11076-00	NMEA 2000 Backbone cable 2 m
010-11076-01	NMEA 2000 Backbone cable 6 m
010-11076-02	NMEA 2000 Backbone cable 10 m
010-11076-03	NMEA 2000 Drop cable 30 cm
010-11078-00	NMEA 2000 T-connection
010-11079-00	NMEA 2000 power cable 2 m
010-11080-00	NMEA 2000 Termination Male
010-11081-00	NMEA 2000 Termination Female
010-11089-00	NMEA 2000 Backbone cable 2 m Angled to the right
010-11094-00	NMEA 2000 Conn Field - Male
010-11095-00	NMEA 2000 Conn Field - Female
010-11096-00	NMEA 2000 Enclosed termination
010-11442-00	NMEA 2000 Start kit
010-11580-00	Cable isolator for Yamaha cable

Specifications

GARMIN

Networking & Standalones

Marine Network

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Networking & Standalones

	GPSMAP 8000 series	GPSMAP 8500 series	GPSMAP 7400 series
Receiver	10Hz, 32 channel, external	10Hz, 32 channel, external	10Hz, 32 channel, internal
Number of waypoints	5000	5000	5000
Number of routes	100	100	100
Preprogrammed map	Basemap with satellite images	Basemap with satellite images	Basemap with satellite images
BlueChart g2 compatible	Yes	Yes	Yes
BlueChart g2 Vision compatible	Yes	Yes	Yes
Support AIS	Yes	Yes	Yes
Supports DSC	Yes	Yes	Yes
Display size	8.4" diag. (8008) 12.1" diag. (8012) 15" diag. (8015)	15" diag. (GMM 150) 17" diag. (GMM 170) 19" diag. (GMM 190)	7" diag. (7407/7407xsv) 8" diag. (7408/7408xsv) 10,1" diag. (7410/7410xsv) 12,1" diag. (7412/7412xsv)
Display type	VGA, TFT (8008) XGA, TFT (8012/8015)	XGA, TFT (GMM 150) SXGA (GMM 170/190)	WVGA (7407/7407xsv) WSVGA (7408/7408xsv) WXGA (7410/7410xsv/7412/7412xsv)
Display resolution	800 x 600 (8008) 1024 x 768 (8012/8015)	1024 x 768 (GMM 150) 1280 x 1024 (GMM 170/190)	800 x 480 (7407/7407xsv) 1024 x 600 (7408/7408xsv) 1280 x 800 (7410/7410xsv/7412/7412xsv)
Touchscreen	Yes (multitouch)	Yes (multitouch)	Yes (multitouch)
Standard GPS antenna	External, GPS 19x	External, GPS 19x	Internal (input for external NMEA 2000)
Auto Guidance (g2 Vision)	Yes	Yes	Yes
TracBack function	Yes	Yes	Yes
Number of track points	10 000	10 000	50 000
Alarm	Yes	Yes	Yes
Waterproof according to standard	IPX 7	IPX 7	IPX 7
Remote control	Accessories	Accessories	Accessories
GSD compatible	Yes	Yes	Yes
Garmin Marine Network compatible	Yes	Yes	Yes
WAAS/EGNOS	Yes	Yes	Yes
Frequency (sonar)	No	No	50/77/200 kHz, CHIRP (low, medium, high), DownVü, SideVü
Video input	Yes	Yes	Yes
Compatible with Garmin Radar	Yes	Yes	Yes
Marine chart in 3D perspective (g2 vision)/view (g2)	Yes	Yes	Yes
Solar & lunar calendar	Yes	Yes	Yes
Alphanumeric keys	Yes, touchscreen	Yes, touchscreen	Yes, touchscreen
Area waypoints	Yes	Yes	Yes
Tidal information	Yes	Yes	Yes
Power supply	10-35V	10-35V (8500/8530) 10-32V (GMM)	10-32V
Power consumption 12V	15.6 W (8008) 19,2 W (8012) 30 W (8015)	9,6 W (8500/8530) 45,6 W (GMM 150) 41,3 W (GMM 170) 92,5 W (GMM 190)	19 W (7407/7407xsv) 22 W (7408/7408xsv) 24 W (7410/7410xsv) 31 W (7412/7412xsv)
Interface input/output	4x NMEA 0183 inputs, 2 NMEA 0183 outputs, 2x composite video (8015 has 4), 1x component (8015),1x DVI (8015 has 2), NMEA 2000, 4x Garmin Marine Network	3x VGA, 2x DVI, 4x composite video, 1x component (GMM) 4x NMEA 0183 input, 2 NMEA 0183 output, 4x composite video, 2x DVI, NMEA 2000, 4x Garmin Marine Network (8500/8530)	NMEA 2000: 1 port, NMEA 0183: 2 in, 2 out Video in: 1 composite, Marine Network: 2 ports (7407/7407xsv/7408/7408xsv) NMEA 2000: 1 port, NMEA 0183: 2 in, 2 out, Video in: 2 composite, Video out: 1 DVI-D, Marine Network: 2 ports (7410/7410xsv/7412/7412xsv)

Networking & Standalones

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GPSMAP 8530

406.0mm
123.5mm
239.5mm
65.0mm

GPSMAP 8015

402.7mm
228.1mm
304.1mm
93.9mm
82.1mm
305.9mm
115.0mm

GPSMAP 8012

336.2mm
184.3mm
245.8mm
98.3mm
86.4mm
250.8mm
250.8mm

GPSMAP 8008

268.9mm
128.8mm
171.4mm
115.6mm
104.2mm
193.9mm
104.2mm

GMM 190

464.3mm
301.1mm
376.3mm
81.8mm
70.6mm
403.1mm
121.9mm

GMM 170

410.7mm
270.3mm
337.9mm
75.3mm
64.3mm
371.1mm
116.0mm

GMM 150

378.2mm
228.1mm
304.1mm
74.3mm
63.7mm
329.7mm
115.0mm

GPSMAP 7407

OVERALL WIDTH
OVERALL HEIGHT
OVERALL DEPTH

GPSMAP 7408

OVERALL WIDTH
OVERALL HEIGHT
OVERALL DEPTH

GPSMAP 7410

OVERALL WIDTH
OVERALL HEIGHT
OVERALL DEPTH

GPSMAP 7412

OVERALL WIDTH
OVERALL HEIGHT
OVERALL DEPTH

Networking & Standalones

Networking & Standalones

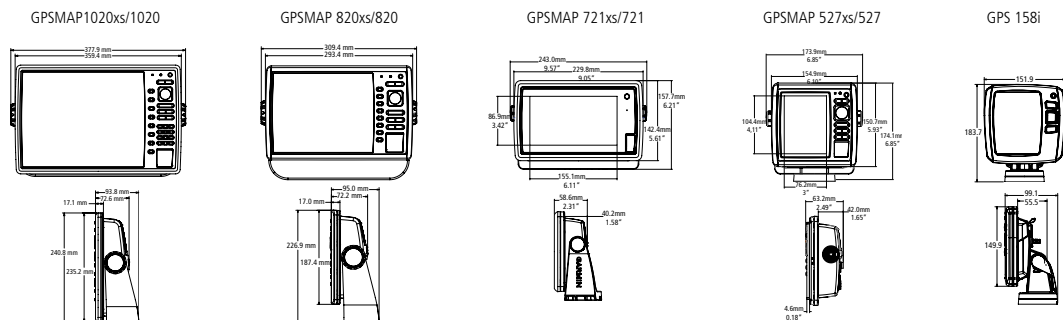|	GPSMAP 1020xs/1020	GPSMAP 820xs/820	GPSMAP 721xs/721	GPSMAP 527xs/527	echoMAP 92sv/72sv	echoMAP 52dv/42dv	GPS 158i
Receiver	10Hz, 32 channels, internal	10Hz, 32 channels, internal	10Hz, 32 channels, internal	10Hz, 32 channels, internal	10Hz, 32 channels, internal	10Hz, 32 channels, internal	High sensitivity, internal
Number of waypoints	5000	5000	3000	5000	5000	5000	3000
Number of routes	100	100	100	100	100	100	50
Preprogrammed map	Basemap with satellite images	Basemap with satellite images	Basemap with satellite images	Basemap with satellite images	Basemap with satellite images	Basemap with satellite images	Basemap
BlueChart g2 compatible	Yes	Yes	Yes	Yes	Yes	Yes	No
BlueChart g2 Vision compatible	Yes	Yes	Yes	Yes	Yes	Yes	No
Support AIS	Yes	Yes	Yes	Yes	Yes	Yes	No
Supports DSC	Yes	Yes	Yes	Yes	Yes	Yes	No
Display size	10,4" diag	8" diag	7" diag	5" diag	9" diag (92sv) 7" diag (72sv)	5" diag (52dv) 4,3" diag (42dv)	5" diag
Display type	SVGA display	SVGA display	WVGA	VGA	WVGA	Square (52dv) QVGA (42dv)	FSTN display
Display resolution	800 x 600	800 x 600	800 x 480	640 x 480	800 x 480	480 x 480 (52dv) 272 x 480 (42dv)	320 x 480
Touchscreen	No	No	Yes (multitouch)	No	No	No	No
Standard GPS antenna	Internal (input for external)	Internal (input for external)	Internal (input for external)	Internal (input for external)	Internal	Internal	Internal (input for external)
Auto Guidance (g2 Vision)	Yes	Yes	Yes	Yes	Yes	Yes	No
TracBack function	Yes	Yes	Yes	Yes	Yes	Yes	No
Number of track points	50 000	50 000	50 000	50 000	20 000	20 000	No
Alarm	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Waterproof according to standard	IPX 7	IPX 7	IPX 7	IPX 7	IPX 7	IPX 7	IPX 7
Remote control	No	No	No	No	No	No	No
Ultrascroll	Yes (1020xs)	Yes (820xs)	Yes (721xs)	Yes (527xs)	Yes	Yes	No
Garmin Marine Network compatible	Yes (limited)	Yes (limited)	Yes (limited)	No	No	No	No
WAAS/EGNOS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Max. depth (sonar)	900 m (1020xs)	900 m (820xs)	900 m (721xs)	900 m (527xs)	Traditional: 700 m DownVü:150 m SideVü: 150 m	Traditional: 700 m DownVü: 150 m	n/a
Frequency (sonar)	50/77/200 kHz, DownVü (1020xs)	50/77/200 kHz, DownVü (820xs)	50/77/200 kHz, DownVü (721xs)	50/77/200 kHz, DownVü (527xs)	50/77/200 kHz, DownVü, SideVü	50/77/200 kHz, DownVü	n/a
Output power	1 kW (600W CHIRP) (1020xs)	1 kW (600W CHIRP) (820xs)	1 kW (600W CHIRP) (721xs)	1 kW (600W CHIRP) (527xs)	Up to 500 W (RMS)	Up to 500 W (RMS)	n/a
Video input	No	No	Yes	No	No	No	No
Compatible with Garmin Radar	Yes	Yes	Yes	No	No	No	No
Marine chart in 3D perspective (g2 vision)/view (g2)	Yes	Yes	Yes	Yes	Yes	Yes	No
Solar & lunar calendar	Yes	Yes	Yes	Yes	Yes	Yes	No
Alphanumeric keys	Yes	No	No	No	No	No	No
Area waypoints	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Tidal information	Yes	Yes	Yes	Yes	Yes	Yes	No
Power supply	10-32 V	10-32 V	10-32 V	10-32 V	10-20 V	10-20 V	10-36 V
Power consumption 12V	TBD	TBD	9,6 W (721xs) 7,2 W (721)	9,6 W (527xs) 7,2 W (527)	11 W (92sv) 7,1 W (72sv)	7,1 W (52sv) 5 W (42sv)	2 W
Interface input/output	2 NMEA 0183 inputs, 2 NMEA 0183 outputs, NMEA 2000, 1 Network port	2 NMEA 0183 inputs, 2 NMEA 0183 outputs, NMEA 2000, 1 Network port	2 NMEA 0183 inputs, 2 NMEA 0183 outputs, NMEA 2000, Video input, 1 Network port	2 NMEA 0183 inputs, 2 NMEA 0183 outputs, NMEA 2000	1 NMEA 0183 Input, 1 NMEA 0183 Output	1 NMEA 0183 Input, 1 NMEA 0183 Output	1 NMEA 0183 Input, 1 NMEA 0183 Output

GPSMAP1020xs/1020   GPSMAP 820xs/820   GPSMAP 721xs/721   GPSMAP 527xs/527   GPS 158i

Fishfinders

	echo 551dv	echo 301dv/301c	echo 201dv	echo 151dv/151	echo 101
Display size	5"	3,5"	5"	4"	4"
Display type	VGA	QVGA	High resolution greyscale	8 level greyscale	8 level greyscale
Display resolution	640 x 480	320 x 240	480 x 320	256 x 160	256 x 160
Garmin HD-ID™ technology	Yes	Yes	Yes	Yes	Yes
Dual Beam sonar	Yes	Yes	Yes	Yes	No
Garmin Smooth Scaling™	Yes	Yes	Yes	No	No
Power supply	10-28 V	10-28 V	10-28 V	10-20 V	10-20 V
Power consumption 12V	8 W	3 W	3 W	1 W	1 W
Max. depth (sonar)	700 m	530 m	530 m	500 m	180 m
Quick-release mount that can be swivelled and tilted	Yes	Yes	Yes	Yes	Yes
Frequency (sonar)	50/77/200 kHz,DownVü	50/77/200 kHz, DownVü (301dv)	50/77/200 kHz,DownVü	50/77/200 kHz, DownVü (151dv)	200 kHz
Transducer angle (sonar)	60 or 120° Dual Beam (77/200 kHz)	60 or 120° Dual Beam (77/200 kHz)	60 or 120° Dual Beam (77/200 kHz)	60 or 120° Dual Beam (77/200 kHz)	60° (200 kHz)
DownVü	Yes	Yes (301dv), No (301c)	Yes	Yes (151dv), No (151c)	No
Display options (sonar)	Depth, Speed, Temperature	Depth, Speed, Temperature	Depth, Temperature	Depth, Temperature	Depth, Temperature
Can be flush-mounted	Yes	Yes	Yes	Yes	Yes
Waterproof according to standard	IPX 7	IPX 7	IPX 7	IPX 7	IPX 7
Output power	500 W (RMS)	300 W (RMS)	300 W (RMS)	200 W (RMS)	200 W (RMS)
Zoom with split image	Yes	No	Yes	No	No

Instruments & networks

Black box sonar

GMI 20/GHC 20 & GNX 20/21			GSD 24	GSD 25	GSD 26	GCV 10
Physical size in mm (HxWxD)	110 x 115 x 30	Physical size in mm (HxWxD)	275 x 82 x 204	192 x 66 x 251	363 x 100 x 274	192 x 66 x 251
Display resolution (GMI/GHC 20)	320 x 240	White line	Yes	Yes	Yes	No
Display type	QVGA colour (GMI/GHC), LCD (GNX)	Waterproof according to standard	IPX7	IPX7	IPX6	IPX7
Display size	4"	Ultrascroll	Yes	No	Yes	No
Waterproof according to standard	IPX7	Compat. with Dual Freq. transducers	Yes	No	Yes	No
Wireless Interface	No (GMI/GNX) / Yes ANT™(GHC 20)	Autogain technology	Yes	Yes	Yes	Yes
Alarm	Yes	Power supply	10-35 V	10-35 V	10-35 V	10-35 V
Flush-mounting	Yes	Power consumption	2-29 W	10,5 W	5-94 W	10,5 W
NMEA compatible	Yes, NMEA 0183 and NMEA 2000	Max. depth	1,500 m	Traditional: 1 500 m DownVü: 230 m; SideVü: 150 m²	3,000 m	DownVü: 230 m; SideVü: 150 m²
Power consumption GMI/GHC	Max 2.5 W	Fish symbol ID	Yes	Yes	Yes	No
Power consumption GNX	From 0,35W	Frequency	50/200 kHz	Traditional: 50/200, 77/200, 83/200 Single/dual Channel CHIRP: 40-250 SideVü/DownVü: CHIRP 455/800 & 260/455	25-210 kHz	455/800 kHz
		Depth Controlled Gain	Yes	Yes	Yes	No
		See Thru compatible	Yes	Yes	Yes	No
		Output power	Up to 2 kW	DownVü/SideVü: 500 W, Traditional CHIRP: up to 1 kW	Up to 3 kW	500 W
		CANet compatible	No	No	No	No
		Garmin Marine Network compatible	Yes	Yes	Yes	Yes

echo 551dv/201dv	echo 301dv/301c/151dv/151/101	GHC 20/GMI 20/GNX 20/21	GSD 24	GSD 25	GSD 26	GCV 10

echo 551dv/201dv: 151.9, 183.7, 99.1, 55.5, 149.9

echo 301dv/301c/151dv/151/101

GHC 20/GMI 20/GNX 20/21: 4.56", 4.33", .63", 1.18"

GSD 24: 8.03", 11.16", 3.2

GSD 25: 7.53", 9.86", 2.62"

GSD 26: 10.795", 14.692", 3.937'

GCV 10: 7.53", 9.86", 2.62"

Marine Network · Icon key · Networking · Instruments · Autopilots · Radar · VHF & AIS · Black Box Sounders · Fishfinders · Handhelds · Cartography · Accessories · Specifications
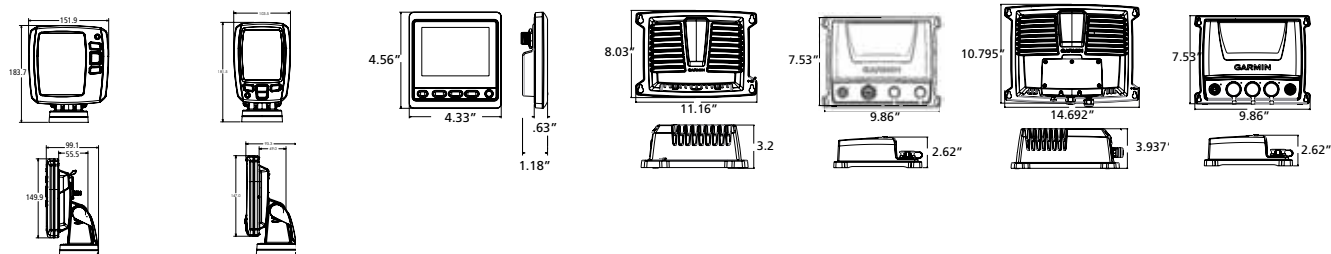
Radar, AIS & VHF

Radar

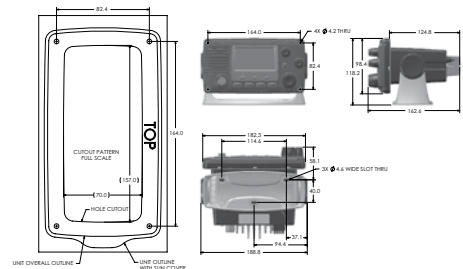|	GMR 1226 xHD2/1224 xHD2	GMR 626 xHD2/624 xHD2	GMR 424 xHD	GMR 24 xHD/18 xHD/18 HD
Transmission output	12kW	6kW	4kW	4kW
Dimensions	1923 mm (diameter) (1226 xHD2) 1310 mm (diameter) (1224 xHD2)	1923 mm (diameter) (626 xHD2) 1310 mm (diameter) (624 xHD2)	1310 mm (diameter)	645 mm (diameter) (24 xHD) 508 mm (diameter) (18 xHD) 457 mm (diameter) (18 HD)
Rotation speed (revolutions/min)	24 & 48	24 & 48	24 & 48	24 & 48 (18/24 xHD) 24 & 30 (18 HD)
Weight	29 kg incl. pedestal (1226 xHD2) 28,1 kg incl. pedestal (1224 xHD2)	29 kg incl. pedestal (626 xHD) 28,1 kg incl. pedestal (624 xHD)	28,1 kg incl. pedestal	9,5 kg (24 xHD) 7,7 kg (18 xHD) 7,2 kg (18 HD)
Horizontal beam angle	1.1° (1226 xHD2) 1.8° (1224 xHD2)	1.1° (626 xHD2) 1.8° (624 xHD2)	1.8°	3.7° (24 xHD) 5.2° (18HD/18 xHD)
Vertical beam angle	25°	25°	25°	25°
Maximum/Minimum range	72 nm/20 m	72 nm/20 m	72 nm/20 m	48 nm/20 m (18/24 xHD) 36 nm/20 m (18 HD)
Waterproof according to standard	IPX6	IPX6	IPX6	IPX7
Zoom positions	2x & 4x	2x & 4x	2x & 4x	2x & 4x
Power supply	10,5-35 V	10,5-35 V	10,5-35 V	10-35 V
Power consumption (normal)	65W	55W	45W	33.5W
Power consumption (standby)	20W	20W	18W	12W
Temperature range for use	-10 to 60°C	-10 to 60°C	-10 to 60°C	-15 to 60°C
Distance accuracy	Better than +/- 1.5% of the scale being used, or 20 m	Better than +/- 1.5% of the scale being used, or 20 m	Better than +/- 1.5% of the scale being used, or 20 m	Better than +/- 1.5% of the scale being used, or 20 m
Guard zones with alarm	2 zones	2 zones	2 zones	2 zones
Cable length (m)	15 m	15 m	15 m	15 m
Air humidity up to	95%	95%	95%	90%
Polarisation	Horizontal	Horizontal	Horizontal	Horizontal
Trails	Yes	Yes	Yes	Yes
Head up	Auto & Manual	Auto & Manual	Auto & Manual	Auto & Manual
Dual Range	Yes	Yes	Yes	Yes (18/24 xHD) No (18 HD)

GMR 406 xHD2 & 404 xHD2

⌀ 1320.5 (GMR404)
⌀ 1933.5 (GMR406)
116,4
438.5
313,5
6,0 326,8 91,2

150.0
125.0
59.8
⌀13.3
4 PLACES
50.0
25.0
100.0
70.0

GMR 18 HD

233.0
9.17
457.0
⌀18.0
4x M8X1.25
114.0
4.49
141.5
5,57
236.4
9.31
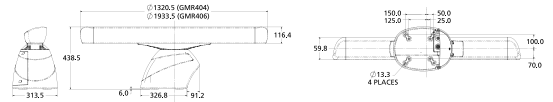
AIS & VHF

	AIS 600	AIS 300	VHF 300i AIS/300i	VHF 200i	VHF 100i
Display	No	No	Yes	3,2"	3,2"
Adjustable backlighting	No	No	Yes	Yes	Yes
Class D DSC opportunities	No	No	Yes	Yes	Yes
Position tracking	No	No	Yes	Yes	Yes
Position enquiry	No	No	Yes	Yes	Yes
Up to 25W transmission output	No	No	Yes	Yes	Yes
Dedicated button for channel 16	No	No	Yes	Yes	Yes
Can be connected to foghorn	No	No	Yes	Yes	Yes
NMEA 0183 interface	Yes	Yes	Yes	Yes	Yes
NMEA 2000 interface	Yes	Yes	Yes	Yes	No
Speaker/Microphone with cable	No	No	Yes	Yes	Yes
Supports GHS 10i	No	No	Yes	Yes	No
Hailer function	No	No	Yes, 30 W/4 ohm	Yes, 20 W/4 ohm	No
Intercom options	No	No	Yes	Yes	No
ATIS options	No	No	Yes	Yes	Yes
AIS-transponder	Yes	No	No	No	No
Internal AIS receiver	Yes	Yes	Yes (300i AIS) No (300i)	No	No
Integral splitter box	Yes	Yes	No	No	No

VHF 200i/100i

82.4
CUTOUT PATTERN FULL SCALE
(157.0)
(70.0)
HOLE CUTOUT
164.0
TOP
UNIT OVERALL OUTLINE
UNIT OUTLINE WITH SUN COVER

164.0
4X ⌀ 4.2 THRU
82.4
118.2
98.4
124.6
142.4

182.3
114.6
58.1
40.0
3X ⌀ 4.6 WIDE SLOT THRU
37.1
188.8
94.4
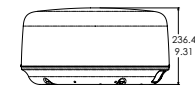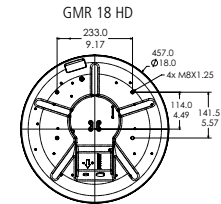
Handhelds

	quatix	Monterra	Montanta 650t/650/600	GPSMAP 78s/78	72H
Receiver	Highly sensitive	Highly sensitive	Highly sensitive	Highly sensitive	Highly sensitive
Number of waypoints	1 000	4 000	2 000	2 000	500
Internal map memory	No	2,0 GB	3,0 GB	1.7 GB	No
Number of routes	50	200	200	200	50
Basemap, preprogrammed map	Worldwide basemap	Worldwide basemap	Worldwide basemap and BlueChart g2 card for UK and Ireland	Worldwide basemap	No
Additional map options	No	BlueChart g2, City Navigator	BlueChart g2, City Navigator	BlueChart g2, City Navigator	No
Battery life	16 to 50 hours (GPS mode), 3 weeks (sensor mode), 6 weeks (clock mode)	16 hours (lithium-ion), 22 hours (AA batteries)	6 hours (lithium-ion), 22 hours (AA batteries)	20 hours (2 AA)	18 hours (2 AA)
Display size in mm (HxW)	31 x 31	89 x 50 / 4"	89 x 50 / 4"	56 x 38 / 2.6"	56 x 41 / 2.7"
Display type	Transflective, monochrome LCD	TFT (Transflective)	TFT (Transflective)	TFT (Transflective)	LCD
Area calculation	No	Yes	Yes	Yes	Yes
Display resolution pixels (HxW)	70 x 70	480 x 272	480 x 272	240 x 160	160 x 120
Standard GPS antenna	Internal	Internal quad helix	Internal quad helix	Internal quad helix	Internal quad helix
Bluetooth®	Yes	Yes	No	No	No
TracBack function	Yes	Yes	Yes	Yes	Yes
Number of track points	10 000	10 000	10 000	10 000	2 048
Weight	82 g	331 g (litium), 375 g (AA)	289 g (litium), 333 g (AA)	218 g	218 g
Alarm	Yes	Yes	Yes	Yes	Yes
Waterproof according to standard	Yes (50m)	IPX7	IPX7	IPX7	IPX7
Physical size in mm (HxWxD)	49 x 49 x 17	150 x 75 x 36	140 x 75 x 36	152 x 66 x 30	157 x 69 x 30
Separate Serial & USB interfaces	USB only	Yes	Yes	Yes	Yes
Storage of cartography	No	microSD memory card	microSD memory card	microSD memory card	No
Backlit display	Yes	Yes	Yes	Yes	Yes
Input for external antenna	Yes (NMEA 2000 streaming via GNT 10)	Yes	Yes	Yes	No
WAAS/EGNOS compatible	Yes	Yes	Yes	Yes	Yes
Integral electronic compass	Yes	Yes (tilt-compensated 3-axis)	Yes	Yes (78s)	No
Integral barometric altimeter	Yes	Yes	Yes	Yes (78s)	No
Automatic route calculation	No	Yes, with City Navigator	Yes, with City Navigator	No	No
Calendar for hunting/fishing times	Yes	No	Yes	Yes	Yes
Solar & lunar calendar	Yes	No	Yes	Yes	Yes
Area waypoints	No	Yes	Yes	Yes	Yes
Tidal information	Yes	Yes	Yes	Yes	Yes
Power supply (external)	No	8-36 V	8-36 V	8-36 V	8-36 V
Waypoint icons	Yes	Yes	Yes	Yes	Yes
NMEA compatible	Yes (NMEA 2000 via GNT 10)	Yes	Yes	Yes	Yes
Picture viewer	No	Yes	Yes	Yes	Yes
Floats	No	No	No	Yes	Yes

Marine Network

Icon key

Networking

Instruments

Autopilots

Radar

VHF & AIS

Black Box Sounders

Fishfinders

Handhelds

Cartography

Accessories

Specifications

Visit www.garmin.com
for support and contact details

Our website includes information about our current product range, campaigns, detailed product descriptions, technical specifications, images, software and software updates. We also have an extensive FAQ section that answers many questions.

Good luck – we'll see you at sea!

Official supplier of marine
electronics for Clipper Race.

The 12-sailboat fleet of 70-foot Clipper 70s for the Clipper 2015-16 rounds of the World Yacht Races will be equipped with complete systems of our intuitive, robust navigational electronics for their year-long race circumnavigating the globe. We were selected by Clipper Ventures as the official supplier for the Clipper 70s following a thorough selection process involving several manufacturers of marine electronics.

The Clipper Round the World Yacht Race is the only event of its type. Anyone can join the adventure and sail the world in an eleven month-long racing marathon. Considering that they will sail 15 races covering 40,000-miles of circumnavigation and touch 13 countries to crown the winner, the navigational electronics had better be top notch. And we're sure they are.

Of course, you'll probably never subject your boat to such a grueling ordeal where you absolutely had to trust the reliability and accuracy of your marine electronics. But wouldn't it be nice to know you could?

Products on board 2013-14 include:
- nWind Race Transducer Vertical
- NX2 Server
- NXR Network
- NXR XL20
- NXR Multi Control
- Garmin quatix™ GPS navigating marine watches
- Garmin GPSMAP Chartplotters
- Garmin GMR 24 HD Radar
- Garmin GMI Instruments
- VHF 200i
- AIS 600

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