

To: UK Marine accounts
From: UK Marine Sales Team
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New Product Announcement



For motorboat owners who want the ultimate in control and safety, Garmin's new GHP 10 autopilot system delivers powerful performance in any sea condition. The GHP 10 is approved for Mercury Verado outboards and works with all types of hydraulically steered powerboats – inboards, outboards and stern drives. The GHP 10's patented Shadow Drive™ technology lets you make manual course changes from the helm without manually disengaging the autopilot or "wrestling" the system for control. Simply turn the wheel for an instant course change. Once you have steered the boat onto its new course, release the helm and the GHP 10 will automatically resume control. With its aerospace-derived technology and G-limited gyro turn control, the GHP 10 responds effortlessly and safely at virtually any speed. It can easily be set to hold position against wind, waves or heavy current.

Styled to match the Garmin family of marine products, the GHC 10 is a 3.5" color display and is the dedicated control head for the new GHP 10 autopilot. Up to three GHC 10 controllers can be interfaced to a single GHP 10, allowing autopilot functionality in multiple stations on the boat.

Product Features and Specifications

- Patented Shadow Drive technology – allows users to make manual course changes without manually disengaging the autopilot
- No failure prone rudder angle sensor needed – calculates rudder command from a combination of compass, gyro and engine inputs
- Stress-free turns based on the G-force felt by its included rate gyro
- Whether accelerating or decelerating, the GHP 10's response is fast, precise and automatic
- GHP 10 autopilot includes one GHC 10 helm control display – up to three GHC 10's can be interfaced to a single GHP 10 autopilot system
- GHC 10 helm control display has a simple user interface making user operation a cinch
- Installation wizard helps users to automatically configure the GHC 10 helm control display
- GHC 10's Display: 3.5" TFT, QVGA color LCD display (320 x 240 pixels)
- GHC 10 has a new through-chassis mountable case design – removable top and bottom snap covers provide for easier flush mounting
- GHC 10 unit dimension: 4.4" H x 4.3" W x 1.9" D (11.1cm H x 10.9cm W x 4.8cm D)
- Interface: NMEA 2000 (GHP 10 & GHC 10), NMEA 0183 (GHC 10)
- GHP 10 supply voltage: 10 to 20V
- GHC 10 supply voltage: 7 to 32V
- GHP 10 & GHC 10 operating temperature: -15° C to 70 C° (5° F to 158° F)
- Users can configure the GHC 10 to automatically turn on when power is applied
- The GHP 10 performs so well, it even works in reverse

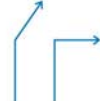
Non GPS Patterns



Zig-Zag



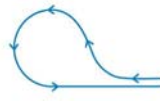
Circles



Step Turns



U-Turns



Man-Overboard

GPS Patterns



Cloverleaf



Search Pattern



Orbits

The GHP™ 10 marine autopilot system is comprised of a common corepack and pump Kit (1.2L, 2L or 2.1L). Please see below for details and ordering procedure.

- **GHP 10 Corepack**

The corepack includes: GHC 10 helm control display, Electronic Control Unit (ECU) , Course Compass Unit (CCU), Shadow Drive™, CCU/ECU interconnect cable, Buzzer, ECU power cable, NMEA 2000 drop cable, NMEA 2000 T-connector

Part Number: 010-00705-00

RRP £1399.99 inc vat

- **1.2-Litre Pump Kit**

The 1.2-litre pump kit will fit most Verado installations up to 2 outboards or less with under 400 combined total horsepower.

Part Number: 010-11098-00 Order the Verado Adaptor kit Part Number 120-3000-00 for Mercury Verado use.

RRP £699.99 inc vat

- **2-Litre Pump Kit**

The 2-litre pump kit is for use with for most standard installations with hydraulic steering systems under 164cc (10 cubic inches).

Part Number: 010-11097-00

RRP £699.99 inc vat

- **2.1-Litre High Performance Pump Kit**

The 2.1-litre pump kit is for use with larger boat steering systems up to 393cc (24 cubic inches) and outboard applications of 2 or more motors with combined total horse power greater than 400hp. This includes both Verado and non-Verado applications. The pump assembly offers smooth and precise steering control for today's heavier 4 stroke outboards in multiple applications. Kit includes integrated check valve assembly, fittings and aluminum surface mount bracket.

Part Number for 2.1-Litre Pump Kit: 010-11099-00

RRP £849.99 inc vat

Order the Verado Adaptor kit Part Number 010-11202--00 for Mercury Verado use

How to order:

Step 1

Order 1 GHP-10 Corepack for each finished autopilot you will need. Example: GHP-10 Corepack- 010-00705-00.

Step 2

Order the appropriate hydraulic pump kit for each finished autopilot you will need. Example: 2-Litre Pump Kit 010-11097-00.

Your order should then be 010-00705-00 (corepack), plus 010-11097-00 (2 Litre Pump Kit)

Accessories for the GHP-10 Autopilot

Description	Part Number	RRP inc VAT
Unbalanced valve kit*	010-11201-00	£84.99
Verado adaptor kit**	010-11202-00	£329.99
Check valve kit**	010-11203-00	£189.99
Isolation hose kit**	010-11204-00	£139.99
GHC 10 helm control display***	010-00688-00	£499.99
GHC 10 protective cover	010-11070-00	£8.99
GHC 10 top & bottom snap covers	010-11072-00	£8.99

* Identify your steering cylinder. Balanced steering cylinders do no need this kit. Unbalanced cylinders do.

**Required for Verado installations. Kit includes J plugs for Tachometer hookup, Fittings, Hoses, Clamps, Mercury Synthetic Steering fluid, Ferrite Beads and fastener kit. Please note the check valve and isolation hose Kits are not needed on 2.1 Litre pump Kit Option.

*** Additional GHP-10 Helm Control Displays can be added onboard for different helm and steering stations.