

Vento Solare Crew Training

How to Use & Control the B&G Instruments



Topics Covered

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- Display Operation
 - B&G Triton 2 & H5000 Graphic Displays
- Spray Hood Layout & Default Settings
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Introduction

- The B&G system has sensors (compass, roll, pitch, speed paddlewheel, depth transducer, wind direction / speed sensor, and the external GPS)
- The sensors are connected to the B&G H5000 Hercules Server calibrated using the networked Laptop with corrections applied to use the best data possible
- The H5000 Server integrates data, performs calculations & corrections, and distributes data to the displays and other systems e.g. Autopilot, Chart Plotter, VHF Radio, WiFi Router, Computer, Remote Tablet or Phone
- The B&G displays are the primary method to display relevant sensor data used by the helmsman and crew
 - Important crew functions are start timer & start line ping
 - Crew may be asked to select available displays
- This presentation provides an overview of the displays, how we use them, and how they are adjusted



Display Operation

B&G Triton 2 & H5000 Graphic Displays

Page Key:



- Press to scroll through the enabled data pages
- Press and hold to display a list of enabled pages from where you can select directly the page to display
- Menu and dialog operation: Press to return to previous menu level or to exit a dialog.





- Press to move up and down in menus and dialogs.
- Press to adjust a value.

Enter Key



- Press to select a menu option and enter the next menu level.
- Press to activate/deactivate a menu/dialog option.

Menu / Backlight Key



- Press once to display the page menu.
- Double-press to display the Settings menu.
- Press and hold to show the Display setup dialog.

Triton 2 Display



H5000 Graphic Display





Spray Hood Layout & Default Settings



Left Display

- Tide Magnitude & Direction
- Boat Speed, Heading & Depth

Center

- Pre-Start: Start line and Race Timer (Crew will control pre-start)
- After Start: Laylines, Waypoint Information, Performance Targets

Right Display

Wind Strip Chart (True Wind Direction & Speed)



Mast Display Layout & Default Settings

Upper Display

- -Speed through Water (Paddlewheel)
- Speed Over Ground (GPS) may also display VMG wind or Target Boat Speed

Middle Display

- -True Wind Angle
- True Wind Speed may display VMG waypoint or Polar performance

Lower Display

- Magnetic Heading (Compass)
- Course Over Ground (GPS) may also display waypoint BTW / DTW

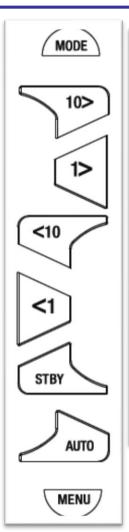




H5000 Pilot Controller on Spray Hood

The H5000 Pilot Controller is operated by 8 keys to control the autopilot and adjust autopilot parameters.

- MODE Changes the autopilot mode / Scrolls up in menu options / Increases values. With active autopilot: Toggles between Wind mode and Auto mode
- 10° COURSE CONTROL STARBOARD (10° RIGHT)
 Changes target course 10° Starboard
- 1º COURSE CONTROL STARBOARD (1º RIGHT)
 Changes target course 1º Starboard / Activates Non Follow Up (NFU) mode when in Standby mode / Enter menu
- 10° COURSE CONTROL PORT (10° LEFT)
 Changes target course 10° Port
- 1º COURSE CONTROL PORT (1º LEFT)
 Changes target course 1o Port / Activates Non Follow Up (NFU) mode when in Standby mode / Exit menu
- STBY Disengages the autopilot
- AUTO Engages the autopilot
- **MENU** Enter the **Main menu** / Scrolls down in the menu options / Decreases values. Press and hold for 3 secs enters the lighting settings.







Start Timer on H5000 Graphic Display









Press Menu to display the menu





Press Enter Key to select Race Timer



Press Enter Key to start the timer – timer starts



Press Page Key to return to Start Line Display





If Resync at 4 minutes needed Press Menu

- Press Enter Key to select Race Timer
- Press Down Arrow to highlight Sync
- At 4 minute signal press Enter Key to synchronize timer
- Press Page Key to return to Start Line Display





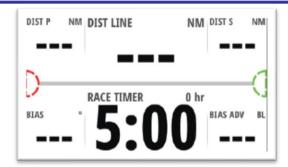
Ping Line on H5000 Graphic Display



Press Page Key until Start Line Screen is Displayed



Press Menu to display the menu



8.6

Race timer

Line Info...

Use boat lengths



Press Down Arrow to highlight Ping



Press Enter Key select Ping



Press Arrow Keys to highlight Port or Starboard end



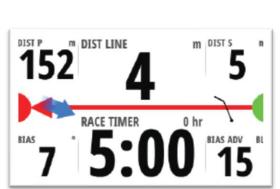
Press Enter Key when foredeck calls bow crossing line



Repeat steps for opposite end of line



Press Page Key to return to Start Line Display



All Crew Members Should Know This

Port end

Starboard end



Man Overboard (MOB)

- Man Overboard (MOB) buttons located port & starboard side outboard helm
 - Press either one if a person goes overboard

H5000 Graphic Display on Spray Hood Automatically switches to MOB mode



- A waypoint becomes active at the MOB activation position indicated with a circular symbol. If the man over board event is activated via an AIS-SART then this position will update via the AIS-SART signal.
- The GPS longitude and latitude co-ordinates of the last known position are displayed with the bearing and range to MOB waypoint listed below
- The H5000 CPU performs dead reckoning calculations to provide the estimated position of the man over board displayed as a triangle symbol.
- To cancel the MOB event on the H5000 Graphic Display press MENU and select cancel
 All Crew Members Should Know This



Navigation Terms for Reference

