frequently asked questions

B&G

20/20 Displays

How do I control the 20/20 Display?

The 20/20 can display most functions that are available on the Hydra, Hercules and WTP systems, together with descriptive text for the particular function. There are 14 preset functions that may be easily selected via a remote pushbutton connected directly to the display, or via any FFD on the system. The 14 functions are initially set as follows:

Boat speed	(BOAT SPD KT)
Depth m	(DEPTH M)
Depth ft	(DEPTH FT)
Apparent wind speed	(APP W/S KT)
Apparent wind angle	(APP W/A)
True wind speed	(TRUE W/S KT)
True wind angle	(TRUE W/A)
True wind direction	(TRUE DIR M)
Velocity made good	(VMG KT)
Compass heading	(HEADING M)
Timer Count up/down	(TIMER MS)
Bearing to waypoint	(BTW RMB M)*
Course over ground	(CRSE O/G M)*
Speed over ground	(SPD O/G KT)*

* Note these functions will appear blank if no position fixer is connected to the system.

Function selection via a remote button
If a remote button is connected directly to a particular 20/20 display, a press and hold of the button may select any one of the 14 preset functions listed above. The display will then cycle through the functions. When the desired one is found, release the button. If the button is held for too long and the desired function is missed, simply release the button, then press and hold again to reverse the direction of the cycle.

Function selection via the FFD
An alternative to using a dedicated remote button is to control the 20/20 using any one of the standard FFDs on the system. If there are more 20/20's fitted then these too can be controlled from the same FFD.

Step A
Hold the PAGE key down for at least two seconds. The FFD display will change to show the function that is currently displayed on one of the 20/20 displays. In this example, 20/20 No. 1, which consequently flashes to indicate that it may be changed. The bottom section of the FFD indicates the 20/20 (no. 1) and the current option number. For example, option 5 – apparent wind angle.

Step B
With the 20/20 No. 1 now flashing, and press and hold of the SCROLL UP key will cycle the 20/20 through the 14 preset functions, similar to the 14 preset functions described in the remote button operation above. If the SCROLL UP key is released and pressed again, the direction of cycle if reversed. When the desired function is found, release the SCROLL UP key. Now press the PAGE key, the FFD will return to normal operation, and the 20/20 will stop flashing.

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Step B1

If the 20/20 requiring change is not the current flashing display, pressing the SCROLL DOWN key will select the next 20/20, in this case No. 0. In fact, successive presses of the SCROLL DOWN key will cycle through all the 20/20 displays on the system, independent of how many there are. The FFD display will consequently show the current 20/20 display number and the currently displayed function. When the desired 20/20 display is reached, pressing the SCROLL UP key, as in Step B, will cycle that display through the 14 preset function.

A final press of the PAGE key will return the FFD back to normal operation as before, and the 20/20 will stop flashing.

Note: the FFD will remember which 20/20 it was last controlling even if the power is turned off; consequently, a particular FFD can be dedicated to a specific 20/20 for convenience.

Reconfiguring the preset functions

Listed previously were the 14 preset functions that are initially set in the 20/20 display. Any one of these may be re-configured to show another function on the system that is not included in the initial list of 14. This facility allows functions to be displayed from a position fixer for example, or from an external computer interfaced through the Hercules 690 performance unit.

The procedure for re-configuring the 20/20 functions is as follows:

1. Select the appropriate display by following Steps A and B1 previously

2. With the 20/20 flashing, the SCROLL UP key to cycle through the current preset functions until the function that requires changing is found. Example: change VMG to Target Speed

3. With VMG flashing on the 20/20, press the ENTER key on the FFD, "SPEED" will appear flashing on the top line of the FFD. Now hold the SCROLL UP key to cycle through the normal FFD menu until "PERFORM" appears. Press the ENTER key and then hold the SCROLL DOWN key to step through the PERFOM MENU until TARG SPEED appears. Now a final press of the ENTER key will store the new function on the 20/20 display in place of the previous function.

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