

ICOM IC-M402 and IC-M502 DSC CONNECTIONS

Furuno GP-30, 31,35,36

Output port connection is white and blue wires in power cable

Port 1 White is Data hot connect to center pin of RCA plug

Blue is Data cold connect to shell of RCA plug

To set up equipment press "Menu" key twice.

Scroll down and/or right to "I/O SETUP" with track pad.

Press "ENT" key.

Scroll down to "NMEA VER" with track pad.

Press "ENT" key.

Scroll down to "VER 2.0" with track pad.

Press "ENT" key.

Scroll up to "Data 1" with track pad.

Press "ENT" key.

Scroll to "NMEA-REM".

Press "ENT" key.

Press "DISP" key to exit.

Furuno GP-1650 and GP-1850 series

Output port is 6 pin jack J-6 on back of units.

Pin 1 is the White wire Data hot.

Pin 2 is the Black wire Data cold.

Press "Menu" key on front panel.

Press key to the right of "Configuration" on LCD screen.

Press key to the right of "Setup NMEA Port 1" on LCD screen by scrolling up or down with the track pad on top of keypad.

Press key beside "EDIT" on LCD screen.

Scroll up or down with the track pad on the keypad to place the dot in the circle beside "NMEA VER 2.0" on the LCD screen.

Press "ENTER".

Press the key beside "Select sntnc" on the LCD screen.

Scroll up or down to make RED arrow appear beside GGA on LCD screen.

Press key beside "ON/OFF" on LCD screen to make ON show on screen beside the "GGA" on LCD screen.

Press key beside "RETURN" on LCD screen.

Press "PLOT" key on keyboard to return to use.

Northstar 941/951/952 series GPS plotters

Port 1 output Violet wire is Data Hot to center pin of RCA plug.

Gray wire is Data Cold to shell of RCA plug.

Port 2 output Yellow wire is Data Hot to center pin of RCA plug.

Orange wire is Data Cold to shell of RCA plug.

Turn to Northstar unit on.

Let it cycle through its self-test.

Press the * key until "USER CUSTOMIZATION" screen appears on the Top Left hand side of the LCD screen.

Press the Key beside "PORT SETUP OPTIONS" on the LCD screen.

Press key beside "PORT 1" or "PORT 2" depending on which port and wires you have the ICOM radio connected to.

If the LCD screen shows "0183 V2.1" press the "ENTER" key on the keyboard.

If the LCD screen shows anything other than "0183 V2.1" press the key beside "EDIT" on the LCD screen.

Scroll up or down with the Track pad on the keyboard until "0183 V2.1" appears flashing.

Press the "ENTER" key on the keyboard.

The LCD screen now shows the options for the NMEA sentence structure.

Scroll down with the track pad to make the dark arrow appear beside the GGA on the list of options on the right side of the screen.

Press the Key beside "EDIT" on the LCD screen.

Use the track ball to scroll up or down to make "ON" appear beside the GGA.

Press the "ENTER" key on the keyboard.

Press the "POS" key to exit the setup mode.

NORTHSTAR 961/962 SERIES

Output ports are the large black plugs on the back of the CPU.

Port 1 Pin 17 on the Top plug is Data Hot.

Pin 18 on the Top plug is Data Cold.

Port 2 Pin 17 on the Bottom plug is Data Hot.

Pin 18 on the Bottom plug is Data Cold.

Turn the unit on and let it go through its self-test.

Press the * Key on the lower left panel until you see "CHOOSE A SERVICE FUNCTION".

Press the Key beside "PORT SETUP".

Press the Key beside "PORT 1" or "PORT 2" depending on which port you have your ICOM radio connected to.

Scroll up with the Track pad to highlight "FORMAT".

Press Key beside "EDIT" on the LCD screen.

Use the left or right arrow keys below the number keys on the keypad to highlight "0183".

Press the Key beside "ACCEPT" on the LCD.

Press the Key beside "0183 DATA" on the LCD screen.

If GGA is not highlighted on the screen, do the following:

Press the Key beside "EDIT" on the LCD screen.

Scroll down with the Track pad and highlight GGA on the screen.

GGA will be flashing.

Press the Key beside OFF/ON on the LCD screen to make the box around GGA Green. Not Red.

Press the Key beside "ACCEPT" on the LCD screen.

Press the Key beside "RETURN" on the LCD screen.

Scroll down to highlight "CHECKSUM ERROR" on the LCD screen.

Press Key beside "EDIT" on the LCD screen.

Press the Right Arrow Key under the keyboard numbers to highlight "OFF" for the Checksum Error.

Press Key beside "ACCEPT" on the LCD screen.

Press Key beside "RETURN" on the LCD screen.

Now press "CHART" Key on keyboard to use the 961/962.