

Faria[®] MARINE INSTRUMENTS

The choice of World Leading Boat Manufacturers.



ANTARES[™]

Owner's Manual

IS0250a
ecr7106 9/2007

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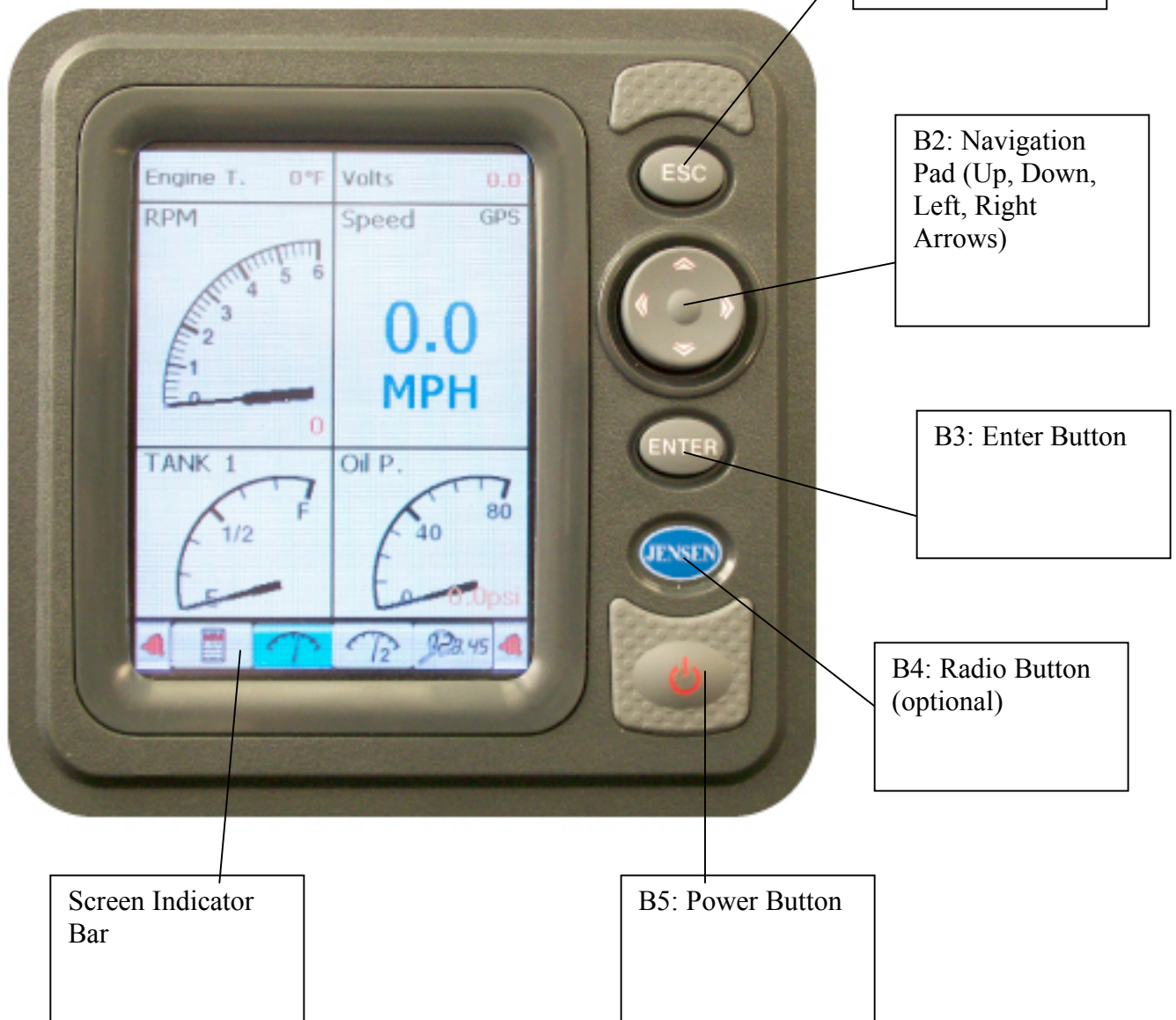
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Part I: Introduction

Congratulations on the purchase of your Faria Antares unit. This owner's manual contains very important information regarding the installation, setup, and operation of your Antares. To get the best results in operation and performance please take a few minutes to read this manual and get acquainted with the Faria Antares unit.



IMAGE 1.1



To begin, simply press the  button to turn on your Antares. It will take about 5-7 seconds for the Antares to complete its start-up process.

Your Antares is ready to use when the Gauge 1 Screen  appears. Navigate through display and setup screens by pressing the up, down, left, or right arrows on the navigation pad (image 1.1, pg. 4). After familiarizing yourself with the Antares screens, please continue to read through your owner's manual for detailed operating instructions.

BUTTON FUNCTIONS

 (B1): Returns to previous page when in menu / setup / radio control screens, silences alarms

 (B2): Use to change screens, scroll menu options, adjust settings

 (B3): Select highlighted item

 (B4): Activates radio control screen (not available on all Antares models)

 (B5): Turns unit on / off, shortcuts to lighting control screen

SCREEN INDICATOR ICONS



MENU SCREEN



GAUGE SCREEN 1



GAUGE SCREEN 2



QUICK VIEW SCREEN



FUEL FLOW MANAGER SCREEN



DEPTH, AIR TEMP, WATER TEMP SCREEN



TANK(S) LEVEL SCREEN



GPS SCREEN

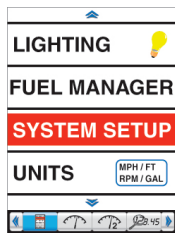
Part II: System Setup

SYSTEM SETUP

Your Faria Antares unit should already have been setup by either the boat manufacturer or by your dealer. Check with your dealer before beginning the System Setup process.

In order to get the optimal performance out of your Faria Antares unit, the following steps are recommended. Some of the information needed to complete the setup process will be contained in your boat owner's manual. Be sure to have your boat owner's manual available before beginning the Antares setup process.

To begin, use the left or right arrows on the navigation pad to highlight the Antares Menu Screen  on the screen indicator bar located at the bottom of the screen. Then use the down arrow on the navigation pad to scroll down to SYSTEM SETUP and press .



Use the navigation pad to highlight SYSTEM SETUP, then press .

Step 1: INPUT SETUP



Use the navigation pad to highlight INPUT SETUP, then press .

Input Setup will allow you select which analog senders are connected to your Antares unit.

To activate or deactivate a sender, use the left or right navigation buttons to select either TANK 1, TANK 2, TRIM / TANK 3, AIR TEMP or SPEED SOURCE. Once the desired selection is highlighted, press . Now use the up or down navigation buttons to highlight the desired setting, then press . The **YES** icon on the Save Changes bar will automatically highlight. If your changes are correct, press  to save. **SAVED** will appear to confirm that changes have been saved. If the changes are not correct, use the navigation pad to highlight **NO** and press . **NOT SAVED** will appear to confirm that the changes have not been saved. Refer to the list of available INPUTS on the next page for further instructions.

*For sender connection information, refer to wiring diagram HN0605 in Part VI (pg. 36) for further information.

TANK 1 – Select the type of level sender connected to Pin 5 on HN0605*. If nothing is connected, select “NONE”.

TANK 2 – Select the type of level sender connected to Pin 6 on HN0605*. If nothing is connected, select “NONE”.

TRIM / TANK 3 – Choose the type of analog trim sender or level sender connected to Pin 7 on HN0605*. If nothing is connected, select “NONE”.

AIR TEMP – Select “INSTALLED” if an analog Air Temp sender is connected to Pin 9 on HN0605*. If an air temp sender is not connected, select “NOT INSTALLED”

SPEED SOURCE – Choose the type of speed signal to be used by the Antares. *Refer to your boats owner’s manual to determine which type of speed options are installed on your boat and are connected to your Antares.*

DIGITAL PWS – A digital paddlewheel sender is connected via the J1939 backbone.

GPS – A NMEA0183 GPS signal is connected. *

ANALOG PWS – An analog paddlewheel sender is connected to pin 9 on HN0605. *

NONE – No speed signal is connected.

Once you have saved all the appropriate settings, press  to return to the SYSTEM SETUP menu.

Step 2: TANK SETUP

TANK SETUP
DEPTH SETUP
INPUT SETUP

Use the navigation pad to highlight TANK SETUP, then press **ENTER**.

Tank Setup will allow you to 1) Name each tank 2) Set each tank's capacity and 3) Set a low level warning for each tank.

*Note: Refer to your boat owner's manual for the correct tank capacities. **Setting the tank capacity incorrectly will effect the performance of the Fuel Flow Manager.***

Use the left or right navigation buttons to select either Tank 1, Tank 2, or Tank 3. Once the desired tank is selected, press **ENTER**. Now scroll up or down to select the setting to change and use the left or right arrows to make the appropriate changes.

TANK SETUP

« **TANK 1** »

TANK NAME « TANK 1 »

CAPACITY « 123.4 » GAL

FUEL TANK? **YES** NO

LOW LEVEL WARNING:

OFF 1/16 **1/8** 3/16 1/4

Save Changes: **YES** NO

PRESS ESC TO EXIT

*Note By selecting **YES** on the "Fuel Tank?" option, you are indicating that the tank connected to the associated sender is a fuel tank. Any tank that is indicated as a fuel tank will be used by the Fuel Flow Manager for calculation. If the associated tank is not a fuel tank, then select **NO**. **Improper tank indication will effect the performance of the Fuel Flow Manager.***

Once you have adjusted all the options to the desired settings, press **ENTER**. The **YES** icon on the Save Changes bar will automatically highlight. If your changes are correct, press **ENTER** to save. **SAVED** will appear to confirm that the changes have been saved. If the changes are not correct, use the navigation pad to highlight **NO** and press **ENTER**. **NOT SAVED** will appear to confirm that the changes have not been saved.

Once you have saved all the appropriate settings, press **ESC** to return to the SYSTEM SETUP menu.

Step 3: Depth Setup

TANK SETUP	Use the navigation pad to highlight DEPTH SETUP, then press ENTER .
DEPTH SETUP	
INPUT SETUP	

Depth Setup will allow you to set the shallow water alarm, set the deep water alarm, and set the keel offset.

Note: A digital depth transducer must be installed on your boat for the depth option to work. Refer to your owner's manual to determine if there is a transducer installed. Your Antares will automatically recognize if a compatible digital depth sounder is installed.

DEPTH SETUP
SHALLOW WARNING « 123.4 » Ft
DEEP WATER ALARM « 123.4 » Ft
KEEL OFFSET « 123.4 » Ft
Save Changes: YES NO

Use the up or down arrows on the navigation pad to highlight the desired option, then use the left or right arrows on the navigation pad to make the appropriate changes.

Once you have adjusted all the options to the desired settings, press **ENTER**. The **YES** icon on the Save Changes bar will automatically highlight. If your changes are correct, press **ENTER** to save. **SAVED** will appear to confirm that the changes have been saved. If the changes are not correct, use the navigation pad to highlight **NO** and press **ENTER**. **NOT SAVED** will appear to confirm that the changes have not been saved.

Once you have saved all the appropriate settings, press **ESC** to return to the SYSTEM SETUP menu.

YOU ARE NOW FINISHED WITH THE SETUP PROCESS. PRESS **ESC** TO RETURN TO THE MAIN MENU SCREEN. SIMPLY USE THE NAVIGATION PAD TO MOVE YOUR WAY THROUGH THE ANTARES DISPLAY SCREENS. YOU ARE NOW READY TO HEAD OUT ON TO THE WATER.

Part III: Operating Instructions

Your Faria Antares unit has 8 main display screens and an optional Radio Control Screen.

When a screen is selected, the Screen Indicator Icon on the Screen Indicator Bar located at the bottom of the screen will be highlighted (). Use the right or left arrows on the navigation pad to scroll through the available display screens.

To activate the optional Radio Control Screen, press the  button if available.

SCREEN INDICATOR ICONS



MENU SCREEN



GAUGE SCREEN 1



GAUGE SCREEN 2



QUICK VIEW SCREEN



FUEL FLOW MANAGER SCREEN



DEPTH, AIR TEMP, WATER TEMP SCREEN

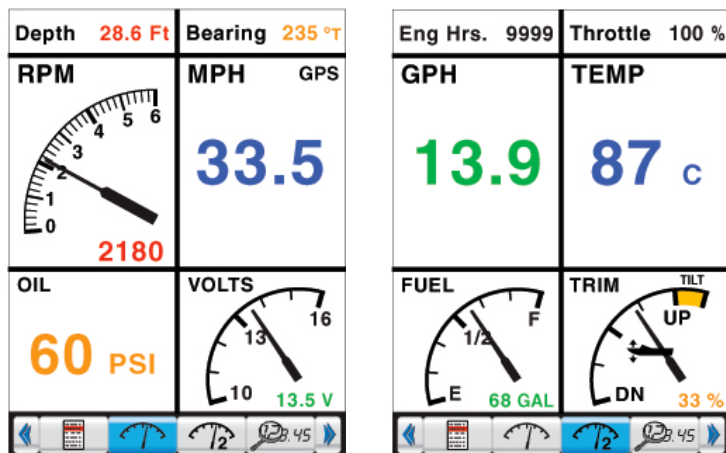


TANK(S) LEVEL SCREEN



GPS SCREEN

GAUGE SCREEN 1 / GAUGE SCREEN 2



Gauge Screen 1 and Gauge Screen 2 provide a quick glance at up to 12 different gauge functions. Each quadrant can be customized to display any piece of information available.

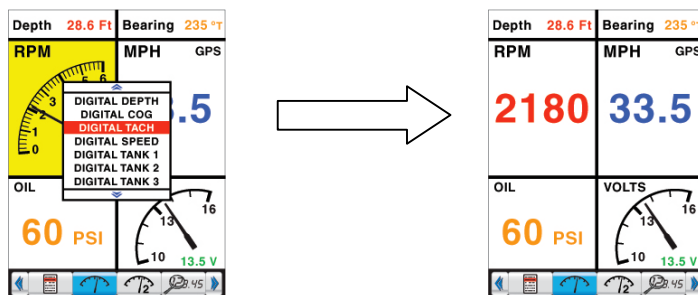
To customize a quadrant, press **ENTER**. The upper left quadrant will be highlighted yellow as pictured below.

Now use the navigation pad to select the quadrant you wish to change. When the desired



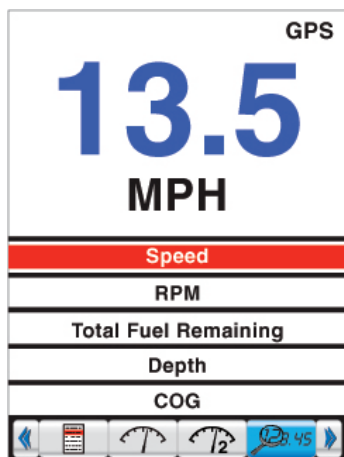
quadrant is highlighted, press **ENTER**. A list of options will appear in the center of the screen. Use the up or down arrows on the navigation pad to highlight the desired information to be displayed, then press **ENTER**. The highlighted quadrant will change to the selected display.

Once you have set all of the quadrants to the desired information, press **ESC** to return to



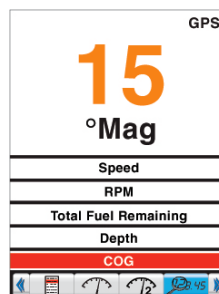
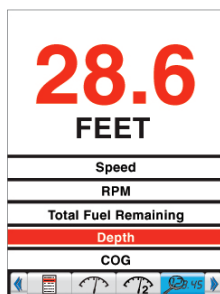
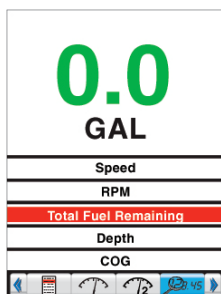
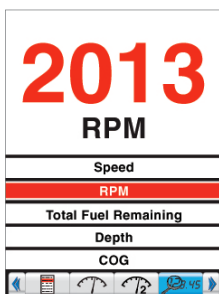
the normal operating mode.

QUICK VIEW SCREEN

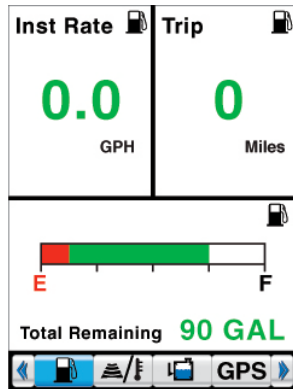


The Quick View screen provides a large digital display for quick, easy reading.

Use the up or down navigation buttons to scroll through the available information.

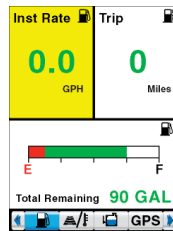


FUEL FLOW MANAGER SCREEN



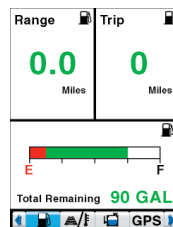
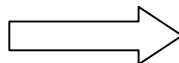
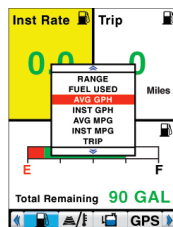
The Fuel Flow Manager screen provides all the necessary information to optimize the fuel consumption performance of your boat.

The upper two quadrants can be customized to display various fuel flow information. To customize these quadrants, press **ENTER**. The upper left quadrant will be highlighted yellow as pictured below.



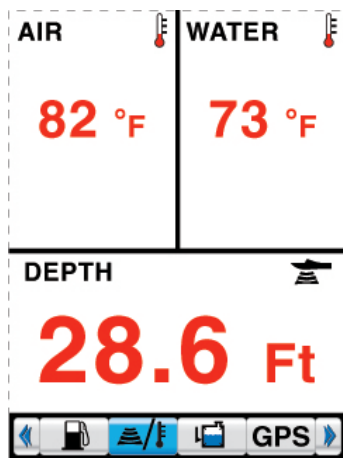
Use the left or right navigation buttons to highlight either of the upper quadrants. When the desired quadrant is highlighted, press **ENTER**. A list of available fuel flow information will appear in the center of the screen. Use the up or down navigation buttons to highlight the desired information to be displayed, then press **ENTER**. The highlighted quadrant will change to the display selected.

Once you have set the quadrants to the desired information, press **ESC** to return to the normal operating mode.



WARNING: The Total Remaining calculation is not connected to the fuel level sender(s) on your boat and is not intended to

DEPTH / TEMP SCREEN



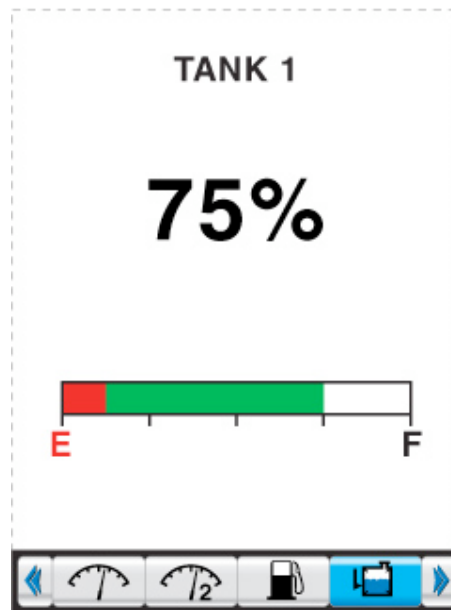
The Depth / Temp screen will display the current depth, air temperature, and water temperature.

For Depth and Water Temperature, a digital Depth / Water Temp transducer must be installed. If no transducer is installed then the Depth quadrant will display “Transducer Not Installed” and the Water quadrant will display “N/A”.

For Air Temperature, an analog Air Temperature sender must be installed. If no sender is installed then the Air quadrant will display “N/A”.

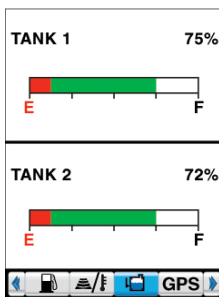
Refer to your boat owner’s manual to determine which transducers are installed on your boat.

TANK LEVEL SCREEN

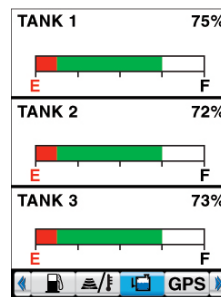


The tank level screen will display tank level information as reported by the tank's level sender. Your Antares unit can display level information for up to three tanks. Tanks must be activated during the setup process to be displayed on this screen. See Part II: System Setup for more information on tank setup.

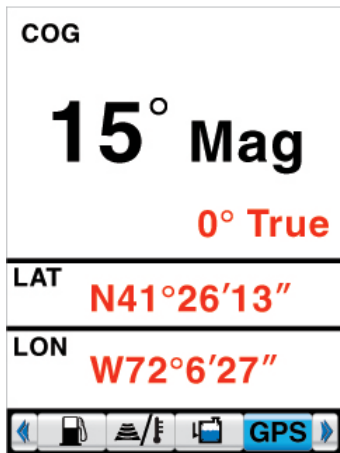
Dual Tank Display



Three Tank Display



GPS SCREEN



Magnetic North Signal Available

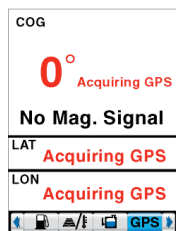


No Magnetic North Signal Available

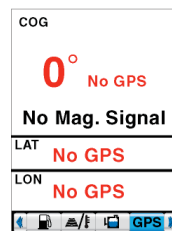
The GPS Screen will display COG, Latitude, and Longitude when a NMEA0183 GPS Antenna is installed.

You do not need to change any settings when installing a GPS antenna. Your Antares unit will automatically recognize if a compatible GPS antenna is connected.

When the GPS signal is acquiring the Antares will display “ACQUIRING GPS”
If no GPS antenna is installed, then “NO GPS” will appear.



Acquiring GPS Signal



GPS not connected

Refer to your boat owner’s manual to determine if a NMEA0183 GPS antenna has been installed with the Faria Antares system.

For full details regarding Magnetic and True North GPS readings visit NOAA’s National Geophysical Data Center website.
<http://www.ngdc.noaa.gov/seg/geomag/declination.shtml>

RADIO CONTROL SCREEN



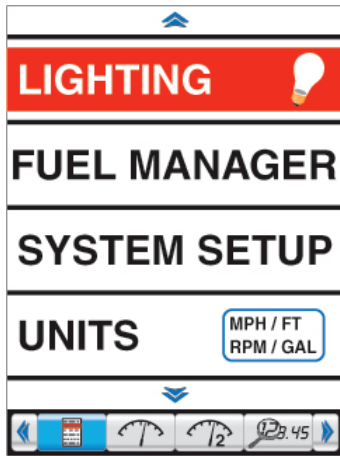
To enter the Radio Control Screen, press the  button

The Radio Control Screen allows you to control certain functions of your boat's Jensen radio. This option is not available on all Antares models and requires a compatible Jensen radio. For a list of compatible radios, visit www.faria-instruments.com/antares.html

Press up or down on the navigation button to scroll through the various radio control functions. Then press left, right, or  to adjust the highlighted control function

 POWER	Press  to turn radio on / off
« VOLUME »	Press right or left on the navigation button to increase / decrease volume.
 MUTE	Press  to activate Mute. Press  again to deactivate.
« MODE »	Press right on the navigation button to change radio mode Ex:
« BAND »	Press right on the navigation button to change band Ex: FM1, FM2, SAT
« SEEK / TUNE »	Press right or left on the navigation pad once to Tune, press and hold to Seek
« SHIFT / SCAN »	Press right or left on the navigation pad for Shift, press and hold to Scan.
Press  at any time to exit the Radio Control Screen	

MAIN MENU SCREEN



The Main Menu screen provides access to the various setup screens available on your Faria Antares unit.

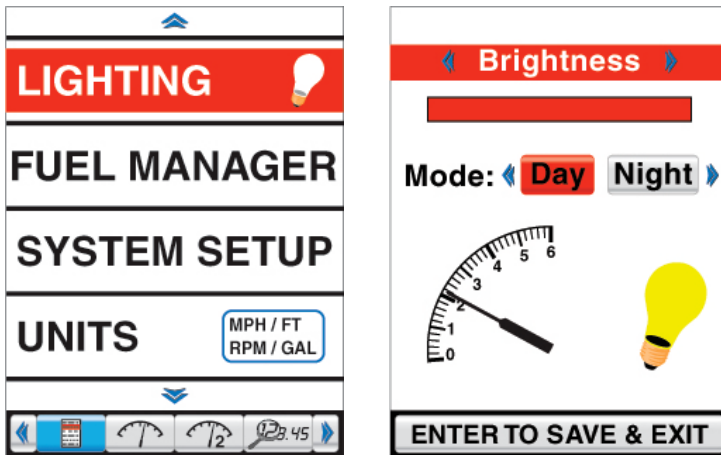
Use the up or down navigation buttons to highlight the desired menu option, then press



A detailed description of each sub-menu is contained in Part IV: Menu Options / User Settings.

Part IV: Menu Options / User Settings

LIGHTING



This screen can also be accessed by tapping the  button at any time.

Use the up or down navigation buttons to highlight the desired setting to adjust, then use the left or right navigation buttons to adjust the highlighted section. Press  to save your changes and exit to the previous screen or  to exit to the previous screen without saving.

FUEL MANAGER

The left screenshot shows the main menu with the following options: LIGHTING, FUEL MANAGER (highlighted in red), SYSTEM SETUP, and UNITS. The right screenshot shows the FUEL MANAGER settings screen with the following options: SET TOTAL AMOUNT OF FUEL: 123.4 GAL, RESET FUEL USED? YES NO, RESET AVG RATE? YES NO, RESET TRIP? YES NO, and a Save Changes bar with YES and NO buttons.

STOP: Your fuel tanks must be activated and set to the proper capacity before the fuel manager will become functional. Refer to Part II: SYSTEM SETUP for further information.

It is CRITICAL that you correctly set the TOTAL AMOUNT OF FUEL each time you refuel.

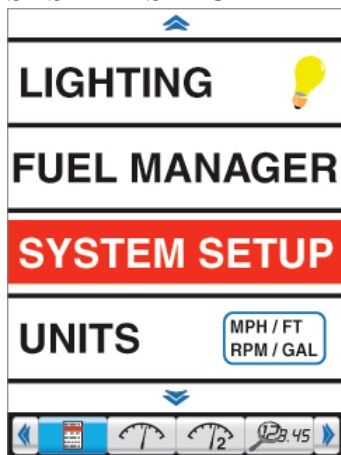
$$\text{Total Amount of Fuel} = \text{Fuel Added} + \text{Fuel Remaining}$$

Use the up or down navigation buttons to highlight the desired setting, then use the left or right navigation buttons to change the value of the highlighted area. You can make changes to all of the Fuel Manager options before saving.

Once all the changes have been properly set, press **ENTER**. The **YES** icon on the Save Changes bar will automatically highlight. If your changes are correct, press **ENTER** to save. **SAVED** will appear to confirm that changes have been saved. If the changes are not correct, use the navigation pad to highlight **NO** and press **ENTER**. **NOT SAVED** will appear to confirm that the changes have not been saved.

Note: The TOTAL AMOUNT OF FUEL must be set to the proper value to insure accurate performance from the Fuel Manager.

SYSTEM SETUP



Refer to Part II: System Setup, pages 6-9 for detailed information.

UNITS

LIGHTING

FUEL MANAGER

SYSTEM SETUP

UNITS MPH / FT
RPM / GAL

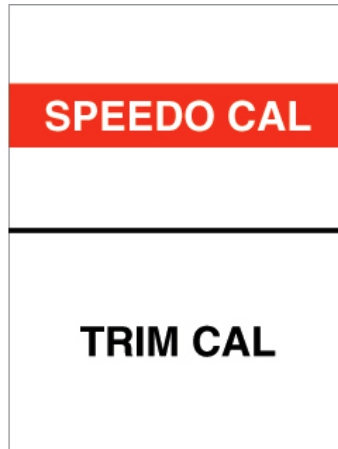
UNITS MPH / FT RPM / GAL	
FLUIDS ☒ GAL ☐ LITERS	PRESSURE ☒ PSI ☐ BAR
DEPTH ☒ FEET(Ft) ☐ METERS(M) ☐ FATHOMS	TEMP ☒ FARENHEIT ☐ CELCIUS
SPEED ☒ MPH ☐ Km/h ☐ KNOTS	DISTANCE ☒ MILES ☐ KILOMETERS ☐ Naut. MILES
Save Changes: YES NO	

The Units screen will allow you to change the display values for Fluids, Pressure, Depth, Temperature, Speed, and Distance.

Use the left or right navigation buttons to highlight the desired option to change, then use the up or down navigation buttons to change the value located directly below the highlighted option. You can make changes to all of the listed options before saving.

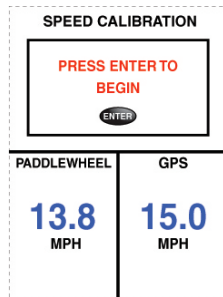
Once all the changes have been properly set, press **ENTER**. The **YES** icon on the Save Changes bar will automatically highlight. If your changes are correct, press **ENTER** to save. **SAVED** will appear to confirm that the changes have been saved. If the changes are not correct, use the navigation pad to highlight **NO** and press **ENTER**. **NOT SAVED** will appear to confirm that the changes have not been saved.

CALIBRATE



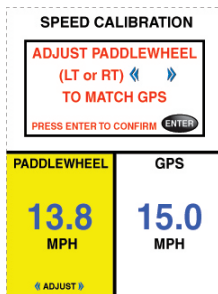
Your Faria Antares unit is factory calibrated to give you optimal performance with the senders installed on your boat. In order to further insure that you are getting the most accurate readings possible, we have made the following calibrations available to you. To adjust your speedometer calibration or trim calibration, use the up or down navigation buttons to highlight the desired option, then press **ENTER**.

SPEEDOMETER CALIBRATION



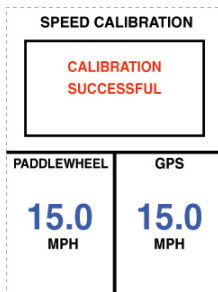
Step 1: Press **ENTER** to begin speedometer calibration, then follow the on-screen instructions.

Your actual speed as reported by the active speed source will be displayed in the lower left quadrant. If you have a GPS antenna connected to the Antares unit and a signal is present, then your speed as reported by the GPS antenna will be displayed in the lower right quadrant. If no GPS antenna is attached to the Antares unit, then use a secondary GPS speed source for calibration.



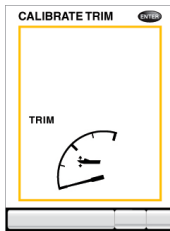
Step 2: Press the left or right arrows on the navigation button to increase or decrease the speed value in the highlighted quadrant.

Step 3: When the speed value in the highlighted quadrant matches or is close the GPS speed value displayed in the lower right quadrant or the GPS speed value displayed on your secondary GPS speed source, press **ENTER**.

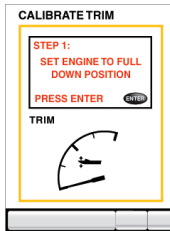


When calibration is complete, “CALIBRATION SUCCESSFUL” will be displayed and the Antares will automatically return to the previous screen.

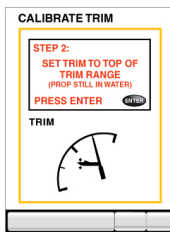
TRIM CALIBRATION



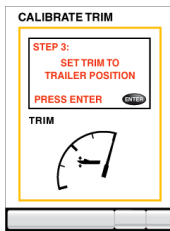
Press **ENTER** to begin Trim Calibration, then follow the on-screen instructions.



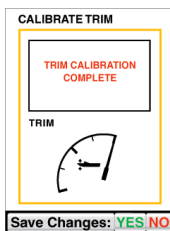
Step 1: Set your engine to its full down position, then press **ENTER**.



Step 2: Set your engine to the top of its trim range (prop still in water), then press **ENTER**.



Step 3: Set your engine to the top of its trailer / full-up position, then press **ENTER**.

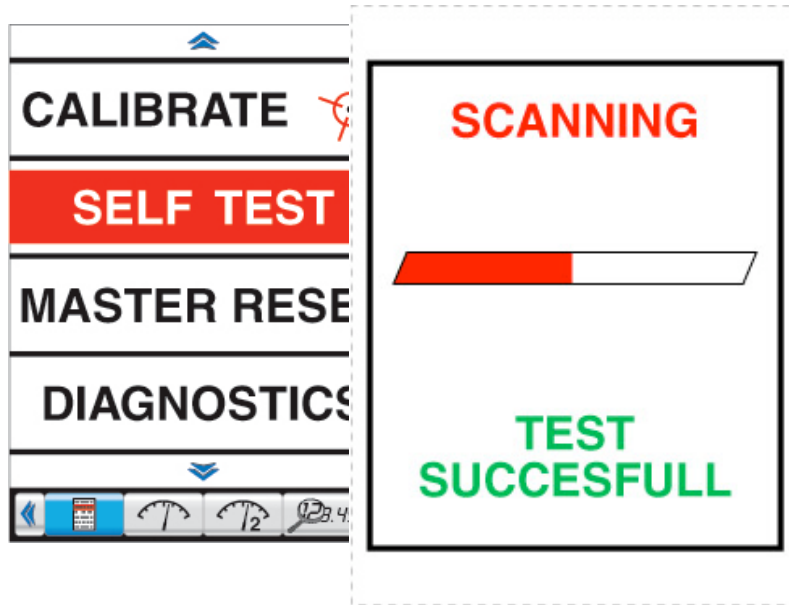


Save Changes: **YES** **NO**

Once step 3 is completed, the screen will display “TRIM CALIBRATION COMPLETE” and the **YES** icon on the Save Changes bar will automatically highlight. If ALL steps were followed correctly, press **ENTER** to save. **SAVED** will appear to confirm that the changes have been saved. If ALL steps were not followed correctly, use the navigation pad to highlight **NO** and press **ENTER**. **NOT SAVED** will appear to confirm that the changes have not been saved.

The Antares will automatically return to the previous screen.

SELF TEST

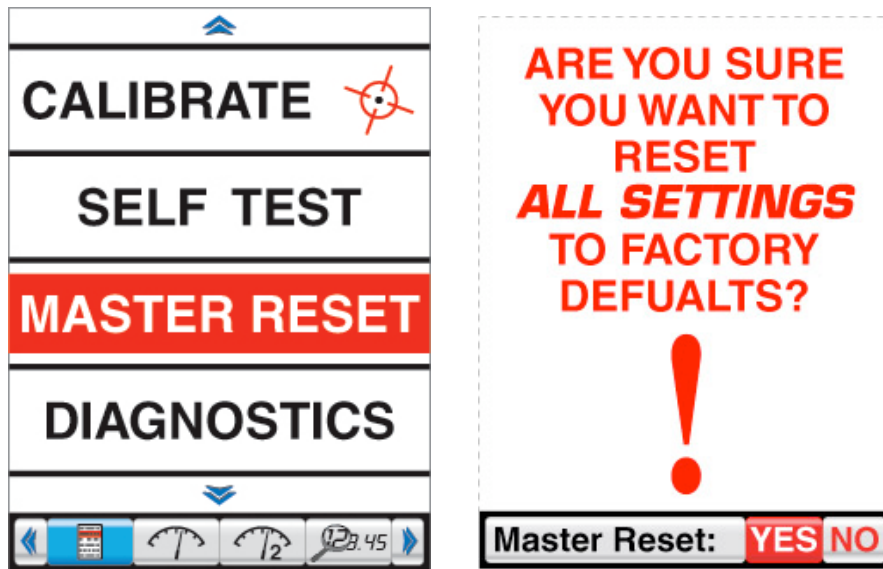


Your Faria Antares will automatically run a self-diagnostics test when this menu option is selected. The test may take up to 3 minutes. If no problems are found, the screen will display “TEST SUCCESSFUL”.

If a problem is found, the screen will display “Error(s) Found”. If this occurs, contact Faria Customer Service. Refer to Part VIII: Warranty for further information.

After running the self-diagnostics test, the Antares will automatically return to the Main Menu screen.

MASTER RESET



This screen will appear when Master Reset is selected from the Main Menu screen. **YES** will automatically be highlighted. If you do not wish to perform a Master Reset, be sure that **NO** is highlighted and press **ENTER**. You can also press **ESC** to return to the previous screen without performing a Master Reset.

WARNING: Performing a Master Reset will return all user defined and manufacturer set values to the default values.

DIAGNOSTICS



DIAGNOSTICS	
HOURS	ERROR
0000	LOW OIL
0000	LOW FUEL
0002	ECU
0023	CHECK ENGINE
0042	WATER TEMP
PRESS ESC TO EXIT	

The Diagnostics page displays the most recent engine error codes as reported by the engine's ECU.

“Hours” indicates at what engine hour an engine error has occurred.

“Error” indicates which engine error occurred.

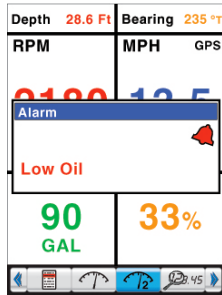
To exit, press  .

Part V: Alarms

Your Faria Antares unit will display 3 types of alarms;

1) Engine Alarms 2) Fuel/Tank Level Alarms and 3) Depth Alarms.

When an alarm condition is present, an “Alarm” pop-up window will appear (see image below) and alarm icons will flash in the lower corners of the display screen.



To close the alarm pop-up window and silence the alarm, press **ESC**. The alarm icons will continue to flash in the lower corners of the display screen until the alarm condition is corrected.

Alarm Icons



Engine Alarm Active



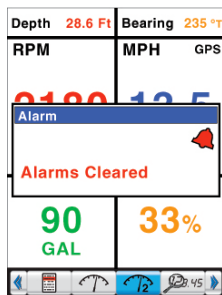
Depth Alarm Active



Fuel / Tank Level
Alarm Active



When an alarm condition is corrected, an “Alarms Cleared” pop-up window will appear.



You MUST press **ESC** to close the Alarms Cleared window

ENGINE ALARMS LIST

Your Antares unit will display the engine alarms listed in table 5.1. The Antares will display engine alarms as they are reported by the engine's ECU. The Antares may not be able to display all available engine alarms. When available, the Antares will give a detailed description of the active alarm condition(s). If a description is not provided by the engine's ECU, the Antares unit will most likely display "Miscellaneous Engine Fault" in the alarm pop-up window.

NOTE: *Many engines are equipped with an internal protection system. In the event that this protection system is activated by the engine's ECU, your Antares unit may display "Engine Emergency Stop" in the alarm pop-up window. If this occurs, your engine's ECU may limit power and it is recommended that you contact your dealer or marina immediately. **The Faria Antares unit has no control over your engine's internal protection system.***

MG2000 J1939 Warnings Table

Warning	PGN	SPN	FMI
EngineEmergencyStop	65226	Any	N/A
CheckEngine	65226	Any engine flag	N/A
LowOilPressure amber	65226	100	18
LowOilPressure red	65226	100	1
LowFuelPressure	65226	94	18
LowSystemVoltage	65226	167	18
HighSystemVoltage	65226	167	16
LowCoolantLevel	65226	111	18
HighBoostPressure	65226	102	2
RevLimitExceeded	65226	190	0
OverTemperature	65226	110	0
WaterInFuel	65226	97	15
WaterInFuel	65279	BYTE 1	N/A

TABLE 5.1

Part VI: Installation / Wiring Diagrams

INSTALLATION

Your Faria Antares unit can be mounted to your instrument panel in 4 ways; Panel Mount, Flush Mount, Gauge Mount, and Gimble Mount

Panel Mount

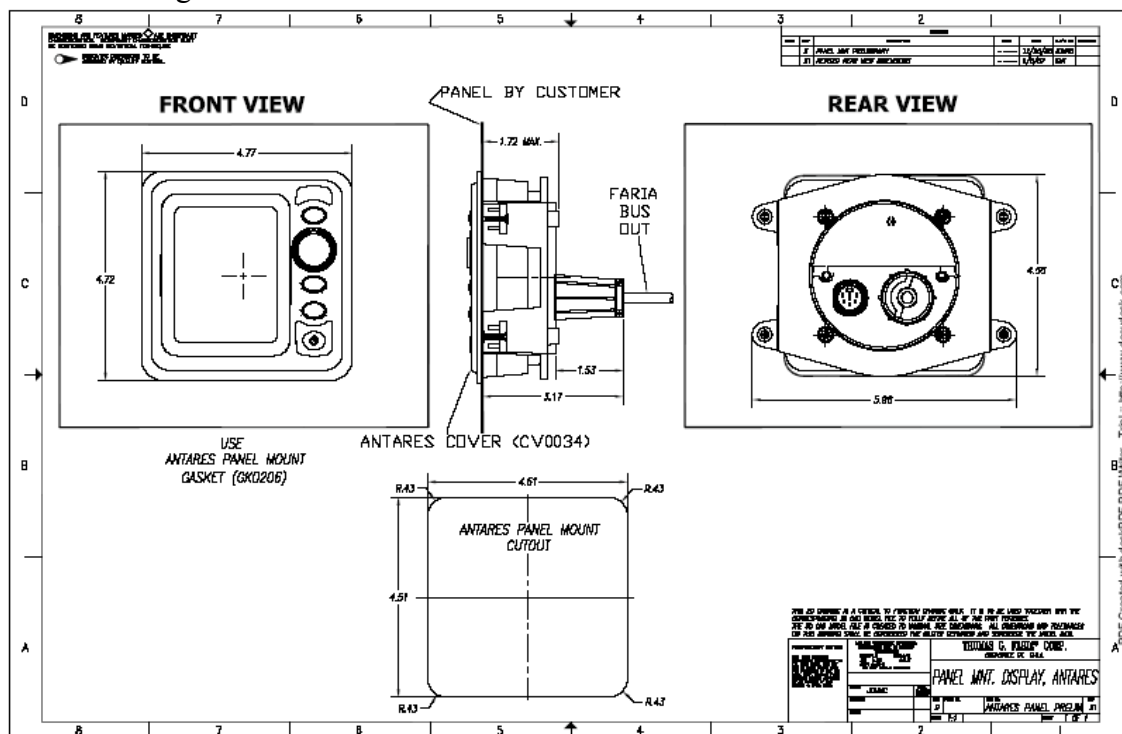
Step 1: Cut a square hole with rounded corners to match the dimensions as indicated in the figure below.

Step 2: Insert the Antares unit from front of panel, placing the Panel Mount Gasket (GK0206) between the Antares and the panel.

Step 3: From back of panel, install back clamp. The four interior studs should line up with the four interior holes of the back clamp. Tighten the supplied nuts, washers, and lock washers to 7-10 inch pounds (slightly more than finger tight)

Step 4: Connect 9-pin (HN0604) and 20-pin (HN0605) wire harnesses to back of Antares unit. Proper connection requires the locking ring on each harness to be rotated about 1/4 turn.

Step 5: Connect available inputs to corresponding wire harnesses. See pages 34-37 for detailed wiring information



Flush Mount

Step 1: Cut a square hole with rounded corners to match the dimensions as indicated in the figure below.

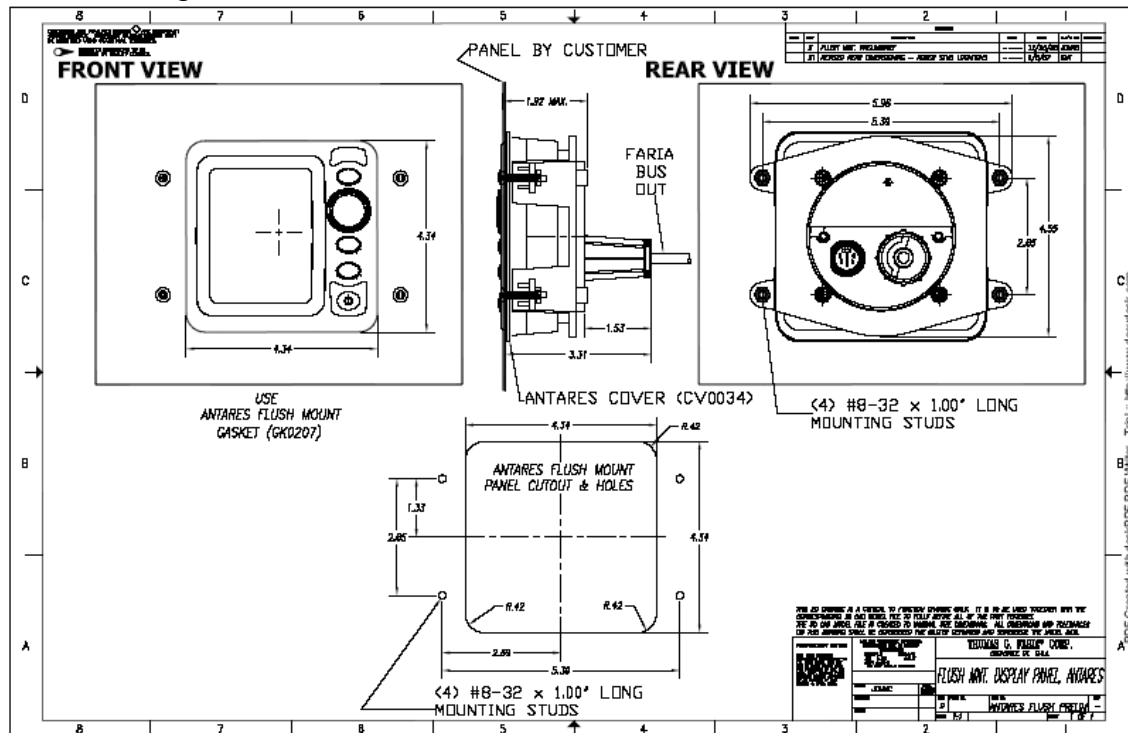
Step 2: Install mounting studs at the dimensions indicated in the figure.

Step 3: Insert the Antares unit from back of panel, placing the Flush Mount Gasket (GK0207) between the Antares and the panel.

Step 4: From back of panel, install back clamp. The four interior studs should line up with the four interior holes of the back clamp. Tighten the supplied nuts, washers, and lock washers to 7-10 inch pounds (slightly more than finger tight)

Step 5: Connect 9-pin (HN0604) and 20-pin (HN0605) wire harnesses to back of Antares unit. Proper connection requires the locking ring on each harness to be rotated about ¼ turn.

Step 6: Connect available inputs to corresponding wire harnesses. See pages 34-37 for detailed wiring information



Gauge Mount

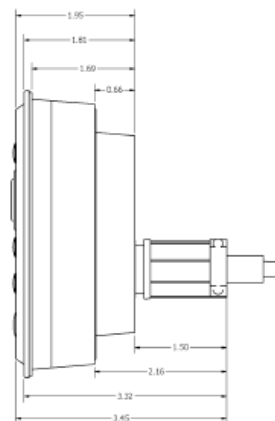
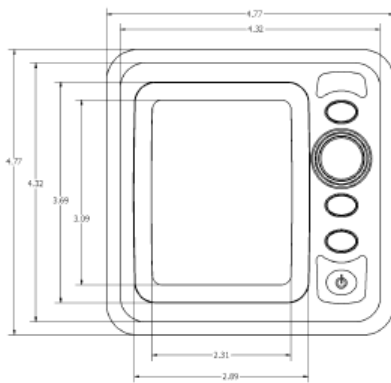
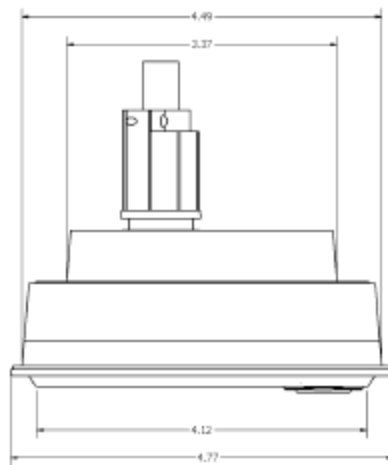
Step 1: Cut a 3 3/8" round hole in your boat's console

Step 2: Insert the Antares through the hole, placing the Gauge mount gasket (GK1234) between the Antares unit and the panel.

Step 3: From back of panel, install back clamp. The two interior studs should line up with the two holes of the back clamp. Tighten the supplied nuts, washers, and lock washers to 7-10 inch pounds (slightly more than finger tight)

Step 4: Connect 9-pin (HN0604) and 20-pin (HN0605) wire harnesses to back of Antares unit. Proper connection requires the locking ring on each harness to be rotated about 1/4 turn.

Step 5: Connect available inputs to corresponding wire harnesses. See pages 34-37 for detailed wiring information



Gimble Mount

Step 1: Locate a flat surface on your boat's console to install the Antares Gimble Mount Bracket.

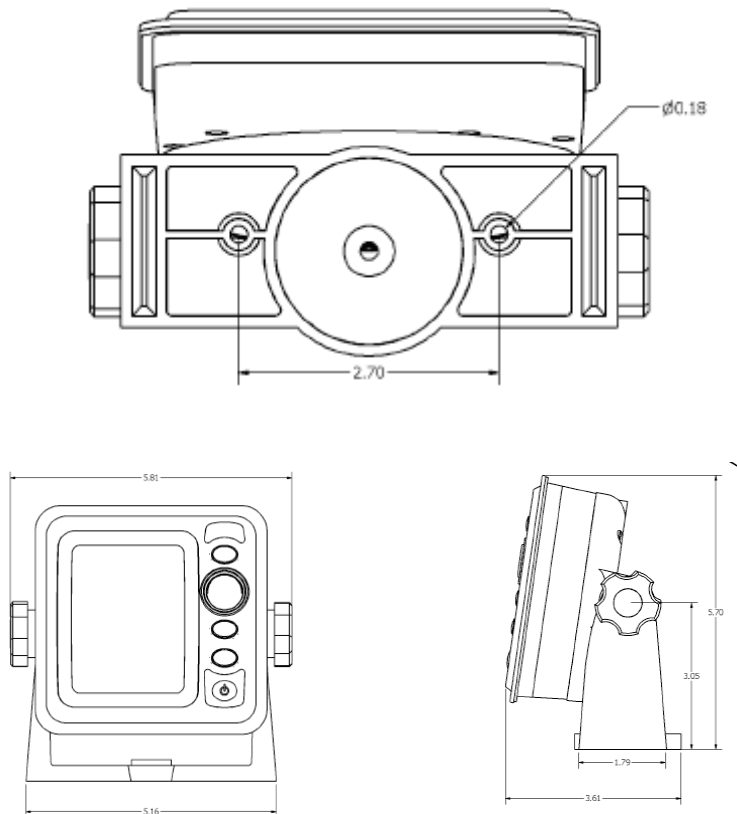
Step 2: Using a 3/16" drill bit, drill two holes 2.7" inches apart as indicated in the figure below.

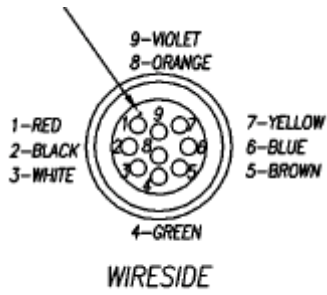
Step 3: Using the supplied mounting hardware, mount the Gimble bracket through the holes you just drilled

Step 4: Using the supplied fasteners, mount the Antares unit into the Gimble bracket.

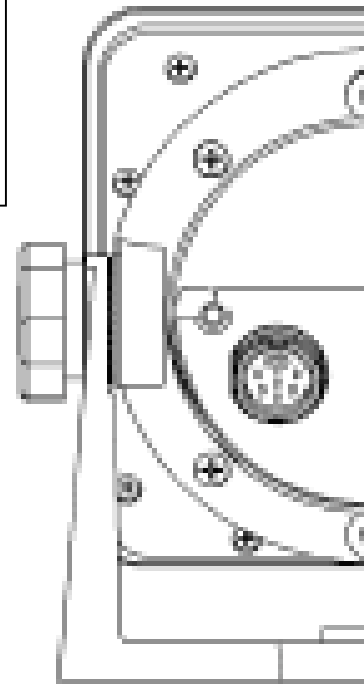
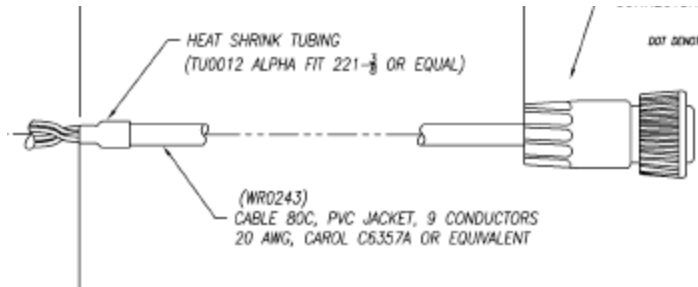
Step 5: Connect 9-pin (HN0604) and 20-pin (HN0605) wire harnesses to back of Antares unit. Proper connection requires the locking ring on each harness to be rotated about 1/4 turn.

Step 6: Connect available inputs to corresponding wire harnesses. See pages 34-37 for detailed wiring information

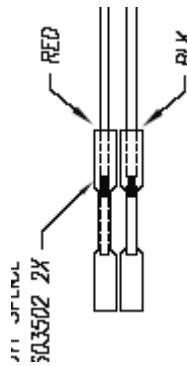




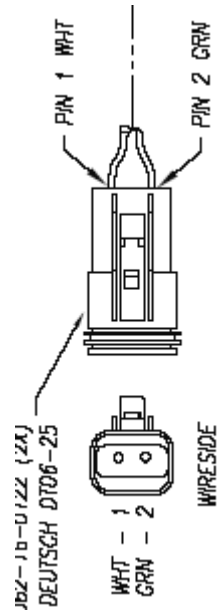
HN0604 ECU / GPS Harness



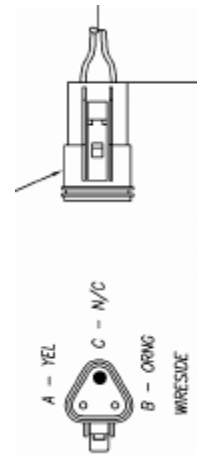
GPS



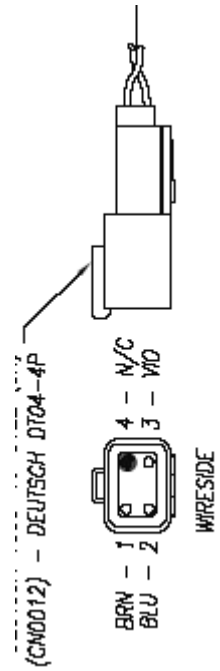
FARIA BUS



ENGINE ECU

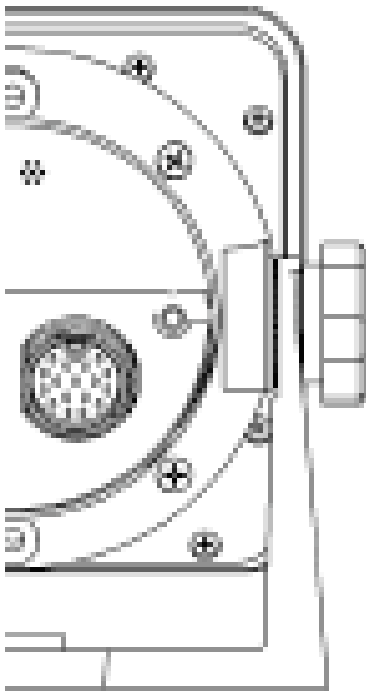


RS232

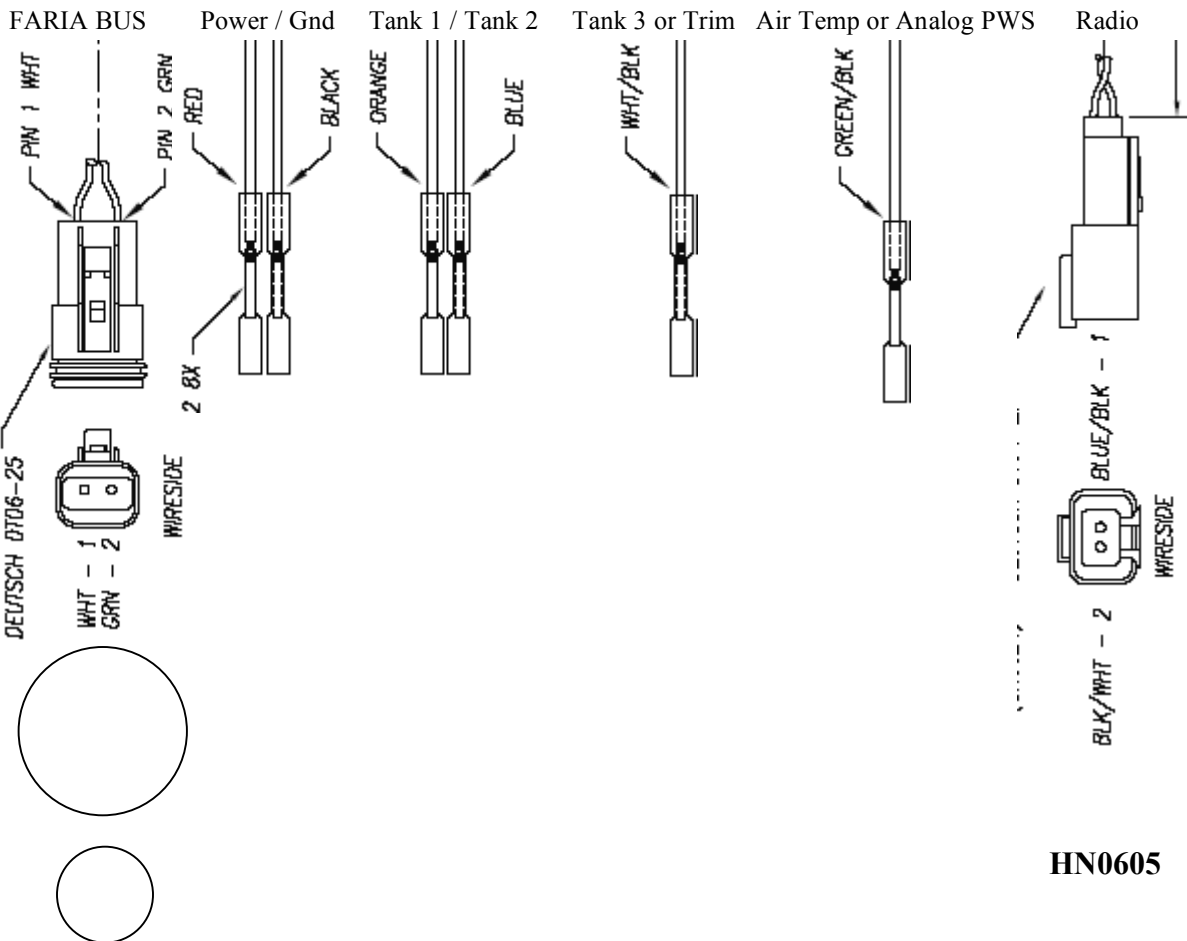
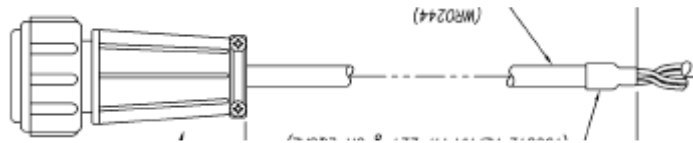
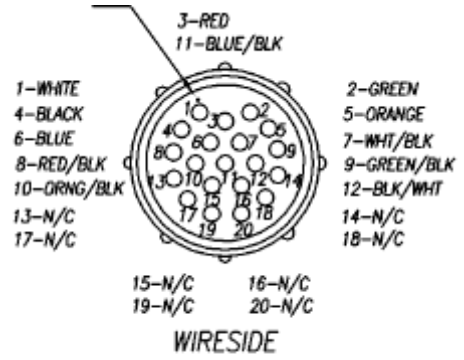


NMEA0183
GPS
ANTENNA

HN0604

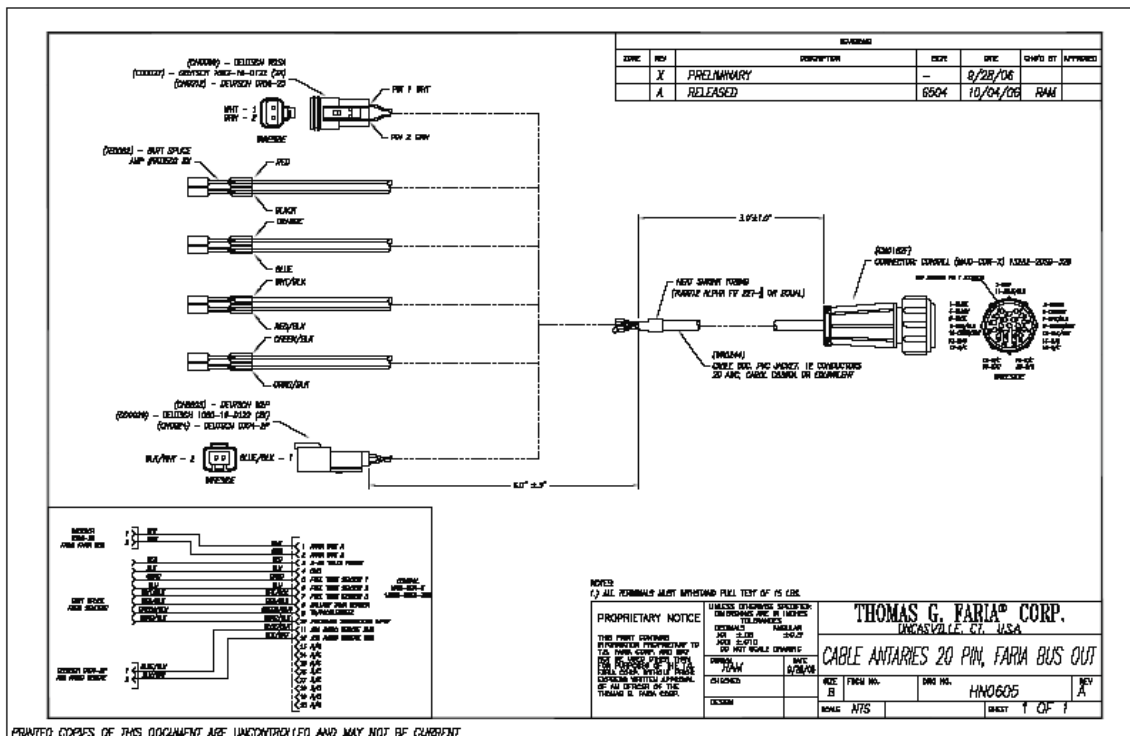
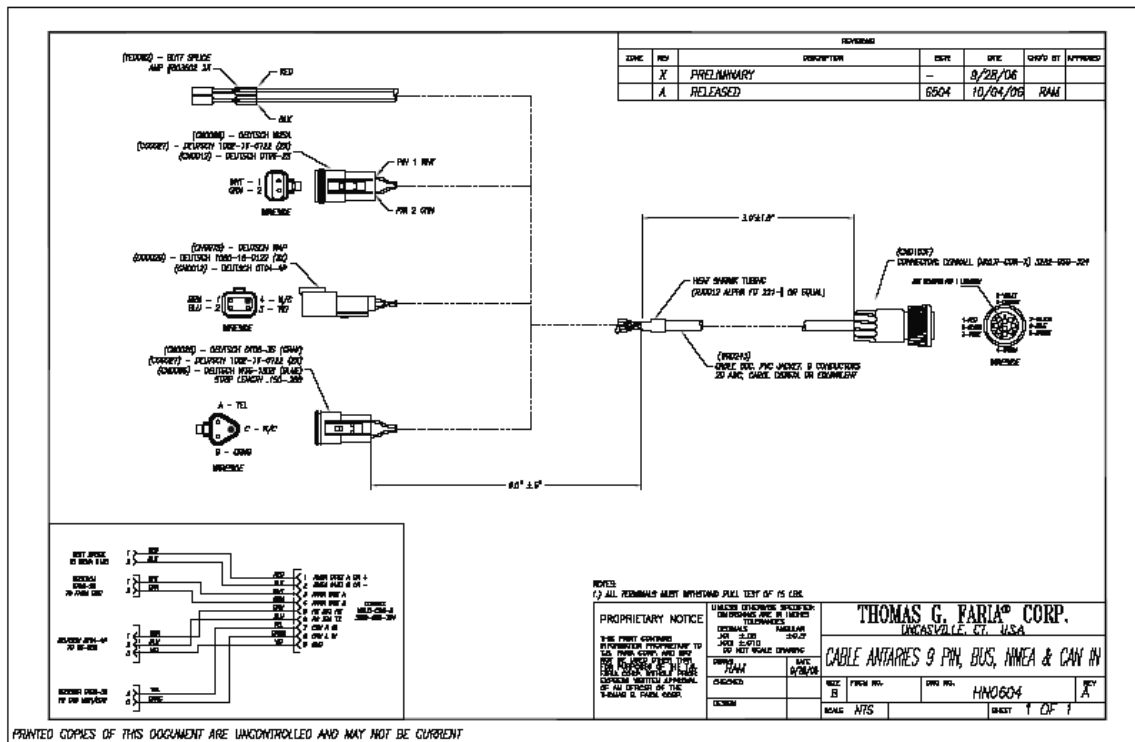


HN0605 – Power /
Analog Harness



HN0605

HN0605



Part VII: FAQ / Troubleshooting

The following items are common questions regarding the installation and use of the Antares unit. If you are experiencing a problem not described in the FAQ section, please visit www.faria-instruments.com/antares.html for more detailed troubleshooting.

Problem	Possible Cause	Solution
"NO ECU" ALARM	Improper connection to engine's harness	Check connection (refer to HN0605, pg 35)
No Depth / Water Temp Signal	Digital Depth Transducer not installed Improper connection	Install a compatible digital depth / water temp transducer Check connection (refer to HN???)
No GPS Signal	NMEA0183 GPS Antenna not installed Improper connection	Install a NMEA0183 GPS antenna Check connection
No Radio Control Screen	Not available on Antares Model	Only some Antares are available with Radio control. If your Antares does not have a Blue Radio Button, then it does not have the radio control option
Unable to Control Radio via Radio Control Screen	Connected to incompatible radio Improper connection	See list of compatible radios at www.faria-instruments.com/antares.html Check connection of Jensen Remote Harness to Radio Plug on HN0605 (pg. 36)
Fuel Flow Manager not Working	Tanks not properly set up	Refer to Part II: System Setup for instructions
Fuel Flow Manager inaccurate	Amount of Fuel not properly set	Set Amount of Fuel to actual amount of fuel in tank(s). Refer to FUEL MANAGER, page 21 for instructions.



P.O. Box 983,
Uncasville, CT USA 06382-0983
Tel: 860-848-9271
Fax: 860-848-2704
Customer Service: 800-473-2742
www.faria-instruments.com

Transferable Limited

Lifetime Warranty

We Supply Our Customers The Highest Quality Product Achievable At Competitive Prices

During the first 36 months from date of original retail purchase (12 months on PWC, fog resistant gauges, Fuel Managers, Depth Sounders, Commander-Speedo, Commander-Tach, Pilot I, Pilot II and MG2000), any instruments that fail due to defects in materials or workmanship will be repaired or replaced at *Faria® Marine Instruments*' option at no charge. The Warranty is further extended indefinitely beyond the initial warranty period by enclosing the nominal fee as listed when submitting a warranty claim.

To submit a Warranty Claim, call *Faria®* Customer Service at 1-800-473-2742 weekdays 8:30 a.m. until 5:00 p.m. Eastern Time. One of our Marine Applications Specialists will review the problem with you in detail. If no solution is found, you will be given an authorization number to return the instrument, postage prepaid and packaged to prevent damage while in transit, along with your name, address, daytime telephone number, sales receipt, and a brief description of the problem, to:

Faria® Marine Instruments

WARRANTY SERVICE,

P.O. Box 983,

385 Norwich-New London Turnpike

Uncasville, CT 06382-0983.

It will be promptly returned to you postage prepaid once analyzed, repaired or replaced. Instrument styles which are no longer manufactured, may be replaced with a similar instrument of equal or greater value. Flux-Gate Compass Systems should be returned with sensor. For warranty service beyond the initial warranty period, be certain to include your check or money order as stated on the Warranty fees table.

Removal / reinstallation expenses, any damage to an instrument resulting from natural disasters, misuse, neglect, accident, misapplication, improper installation, unauthorized repair or alteration, and instruments purchased prior to March 1, 1985 are not covered by this warranty. Instruments returned to *Faria® Marine Instruments* that are not covered under this warranty will be repaired or replaced at our nominal service rates or returned to you as is, at your option. *Faria® Marine Instruments* expressly disclaims any liability for incidental or consequential damage caused by product defects. Some states do not allow the exclusion or limitation of consequential damages, so the above may not apply to you. The Warranty herein is in lieu of any other expressed warranty of merchantability or fitness or any other obligation on the part of *Faria® Marine Instruments*, the **Thomas G. Faria Corporation**, or the seller. All implied warranties are limited to the initial 36 month period. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you also have other rights which vary from state to state.

*These fees are in effect as of 08/17/2007 and are subject to change without notice.

Warranty fees

for gauges beyond initial warranty period

Fog Resistant Lens Only	\$10.00
2 inch instruments	\$15.00
2 inch Clock or Hourmeter	\$30.00
2 inch Warning System Indicator	\$35.00
2 inch Honda Trim	\$35.00
Digital Depth Sounder	\$55.00
Fuel Flow Manager	\$90.00
Flux Gate Compass	\$75.00
Flux Gate Compass with Sensor	\$140.00
Speedometer or Water Pressure gauge	\$15.00
Electronic Speedometer with sensor	\$50.00
Tachometer, Synchronizer or Electronic Speedometer	\$30.00
Tachometer with Hourmeter or System Indicator	\$50.00
Pilot	
Speedometer or Tachometer	\$125.00
Commander	
Tachometer or Speedometer	\$125.00
Multifunction Instrument	\$40.00
MG2000	
Speedometer or Tachometer	\$175.00
Serial Bus Gateway Box	\$400.00

