Marine Engine Gateway Monitor (EGM)

User Guide

Contents

1. Introduction

1.1 What Is It?

The Marine Engine Gateway Monitor is a 3.5" display that monitors information available over a NMEA 2000, J1939 or information sent via analogue engine.

When connected to the engine by one of the above methods you will be able to easily view multiple items of data. The display has a total of 4 gauge pages and 1 fuel management screen.

1.2 Box Contents

Contained in the Box should be:

- Harness
- The Display
- A Fitting Kit
- A Fixing Template
- The User Guide

2. General Operation

2.1 Changing Gauge Display

Pressing key 1 will loop through a total of 6 different displays:

- 4 x gauge displays.
- 1 x Fuel Display. (if available)

Along with this you can edit individual gauges, by pressing key 2 to select the gauge and key 3 to change it, this will allow you to fully customise the display to your needs. (when the display has been powered down your setting will be remembered for easy access when it is booted up next time).

3. Display Features

3.1 The Gauge Displays

There are a total of 4 gauge displays. You have complete control over what gauges can be seen on each page. There are 22 pieces of information to choose from including:

- Top Gauge:
    - Engine Speed
    - Speed Over Water
    - Speed Over Ground
- Data Box:
    - Engine Speed
    - Engine Hours
    - Depth
- Bottom Left/Right Gauge:
    - Oil Temperature
    - Oil Pressure
    - Boost Pressure
    - Coolant Temperature
    - Coolant Pressure
    - Load Percentage
    - Torque Percentage
    - Tilt & Trim
    - Alternator Potential
    - Fuel rate
    - Fuel Pressure
    - Fuel level
    - Depth
    - Heading
    - Course Over Ground (COG)
    - Economy

For information on how to edit individual gauges within the 4 screens see section 2.1.

3.2 Fuel Management Screen

The fuel management screen shows all information available about fuel, including:

- Fuel Rate:
  - o Port
  - o Starboard
  - o Centre
  - o And, Total
- Fuel used:
  - o Port
  - o Starboard
  - o Centre
  - o Total
  - o And, Trip
- Distance to Empty
- Time to Empty
- Fuel Volume

To clear the information on the fuel management screen press and hold:

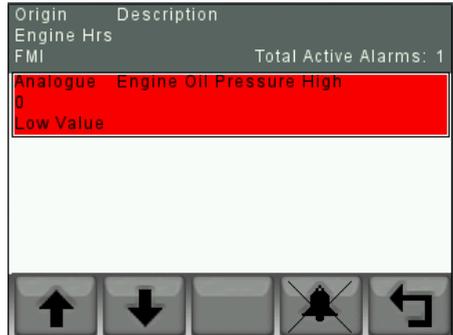(Hold) Key 2 – Clear trip fuel – This clears the box marked 'Trip Fuel used'.

(Hold) Key 3 – Clear all fuel – This clears the boxes marked 'Fuel Used' including 'Port', 'Starboard', 'Centre' and 'Total' (Holding this key will also clear trip fuel).

3.4 Alarms

Key 4 will take you to the alarms screen. The alarms screen is used to view or suppress current alarms.

As can be seen in this picture, when an alarm is active an icon will flash red along with a red warning Popup message.

When key 4 is pressed, while an alarm is active, you will enter the alarm suppression screen. This is where you can suppress or view alarms.

4. Menu Screens

To access the menu screens you will need to press and hold key 5 until you see a blue screen titled Main menu.

Keys in the Menus will change:

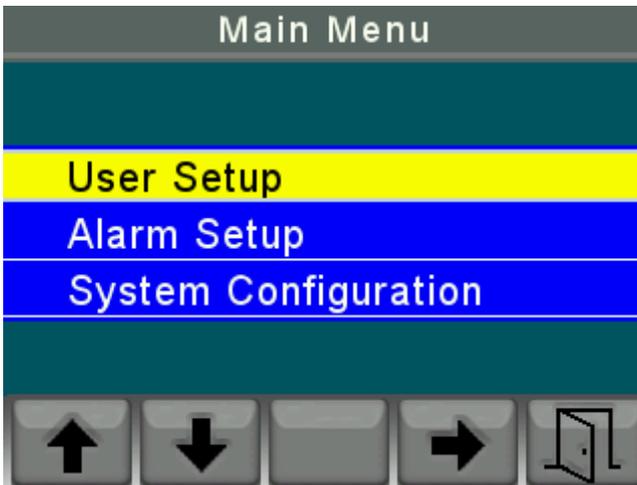   Key 1. Move Up.

    Key 2. Move Down.

    Key 3. No Effect.

    Key 4. Enter.

    Key 5. Return/Exit Menu.

4.1 The 'Main Menu'

The main menu consists of 3 sub-menus; the 'User Setup' menu, the 'Alarm Setup' menu and the 'System Configuration' menu (see section 4.2 – 4.4 for more info on the sub-menus).
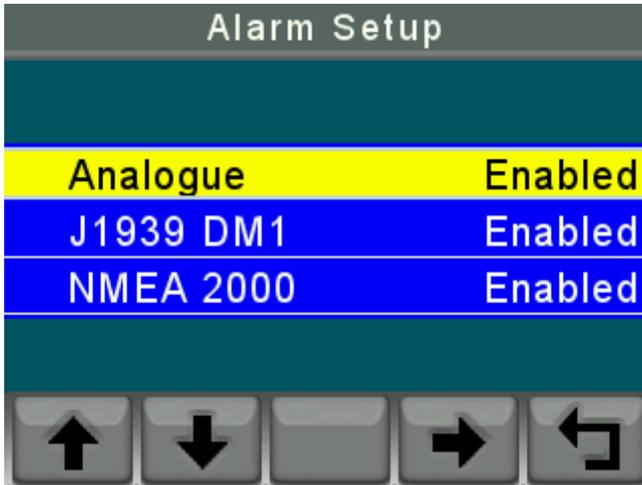
4.2 'User Setup' Menu

In the 'User Setup' menu the user can configure the display (when the display is powered down it will memorise these settings ready for quick and easy access when it is next turned on).

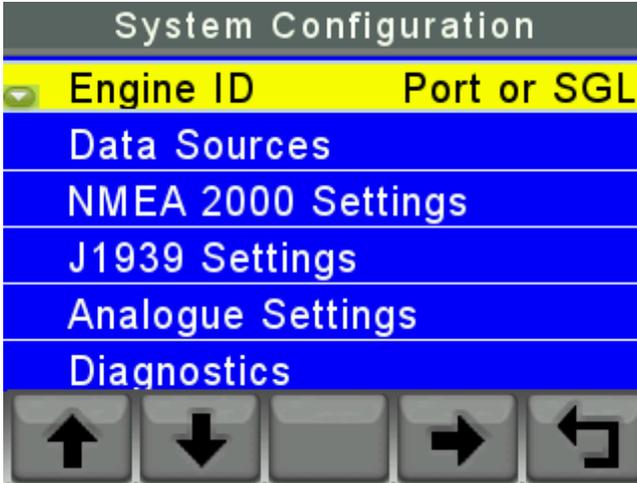The 'User Setup' menu contains adjustable information, including:

- Language
- Key Bleep
- Units – Change the units of measurement to that which you are most used to.
- Max RPM – Set the max RPM so that you have the best suitable range for your engine.
- Max Speed – Set the max speed so that you have the best suitable range for your engine.

4.3 'Alarm Setup' Menu

The 'Alarm Setup' menu is used for turning on and off the alarms you need. For example, if you want NMEA 2000 alarms but not analogue alarms, this can be done by simply enabling or disabling the settings.

4.4 'System Configuration' menu

The 'System Configuration' menu is used to set up where the display will receive all of its information from, and how the display will react to the information it receives.

THIS SECTION OF THE DISPLAY SHOULD ONLY BE EDITTED BY THE INSTALLER

More Information on this section can be found in the installation guide.