BLUE SEA SYSTEMS

State of Charge Configuration

The 1830 SoC Monitor must be configured before it can calculate state of charge. The configuration settings menu can be found by pressing:
Menu->Setup->DC1 Setup.
Three settings must be configured:

Battery Voltage - This setting indicates the nominal voltage of the battery. The options are 12V, 24V, 36V, and 48V.

Battery Type - This setting decides the battery type.
The available options are as follows:

FLStd (Standard Flooded Acid Batteries)

AGM (Standard AGM Batteries)

TPPL (Thin Plate Pure Lead AGM Batteries)

GEL (Gel Batteries)

FLRsv (Flooded Acid Reserve. Premium Flooded Acid Batteries such as Rolls)

FLLoM (Flooded Low Maintenance. Sealed Flooded Acid Batteries)

Battery Capacity
This setting indicates the capacity of the battery in Amp-hours. The available range is 0A to 5000A.

⚡ **WARNING**
The WARNING symbol refers to possible injury to the user or significant damage to the monitor if the user does not follow the procedures.

⚠ **CAUTION**
The CAUTION symbol refers to restrictions and rules with regard to preventing damage.

⚡ WARNING ⚡

☑ If you are not knowledgeable about electrical systems, have an electrical professional install this unit. The diagrams in these instructions pertain to the installation of the unit and not to the overall wiring of the vessel.

☑ Verify that no other DC or AC sources are connected to the vessel's wiring before installing the unit.

⚠ CAUTION ⚠

☑ The back of the unit is not waterproof. Do not install where the back of the monitor is exposed to water.
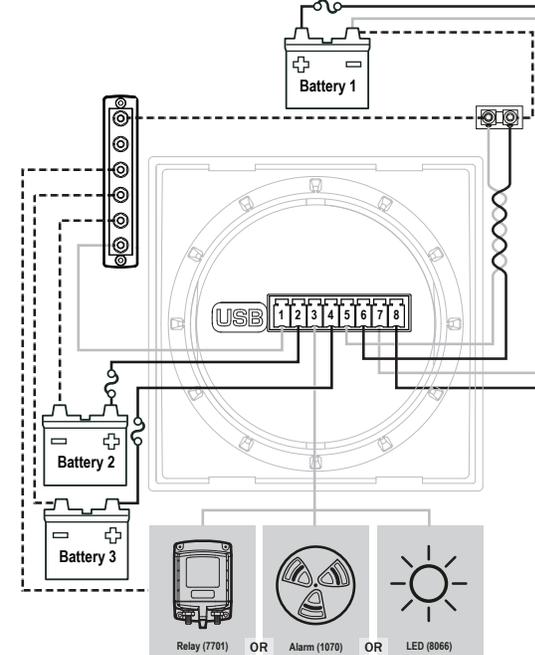
BLUE SEA SYSTEMS

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980020400 Rev.001

Connector Pin Assignment Table

Connector	Function
1	DC Negative
2	DC Supply/Battery 2 +
3	Relay DC Out to Load
4	Relay DC +/Battery 3 +
5	Shunt 1 –
6	Shunt 1 +
7	Battery 1 –
8	Battery 1 +
USB	Micro USB Port

M2 Meter Navigation

Screen Menu Functions
Press any button to bring up the menu.

1. After start-up, press any button to access the menu.
2. Press the UP or DOWN arrow buttons to scroll through menu windows.
3. Press the NEXT button to scroll right.
4. To set alarms and for more detailed information, go to www.bluesea.com/M2

System Overview

1830 DC SoC Monitor

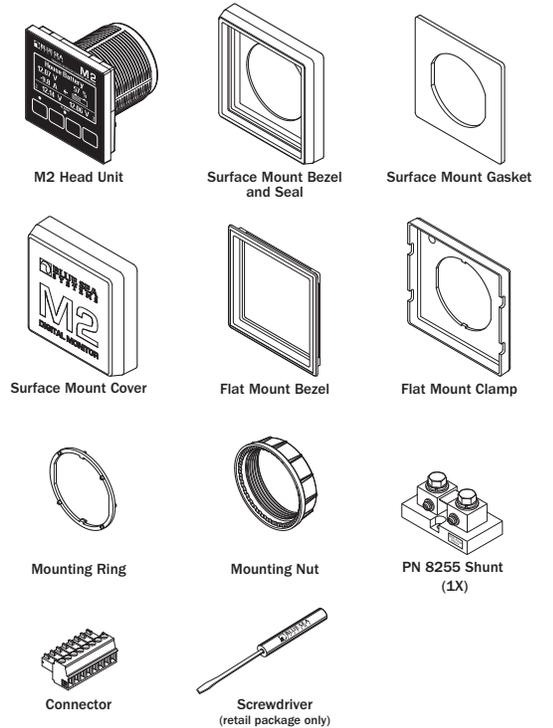For other configurations go to www.bluesea.com/M2
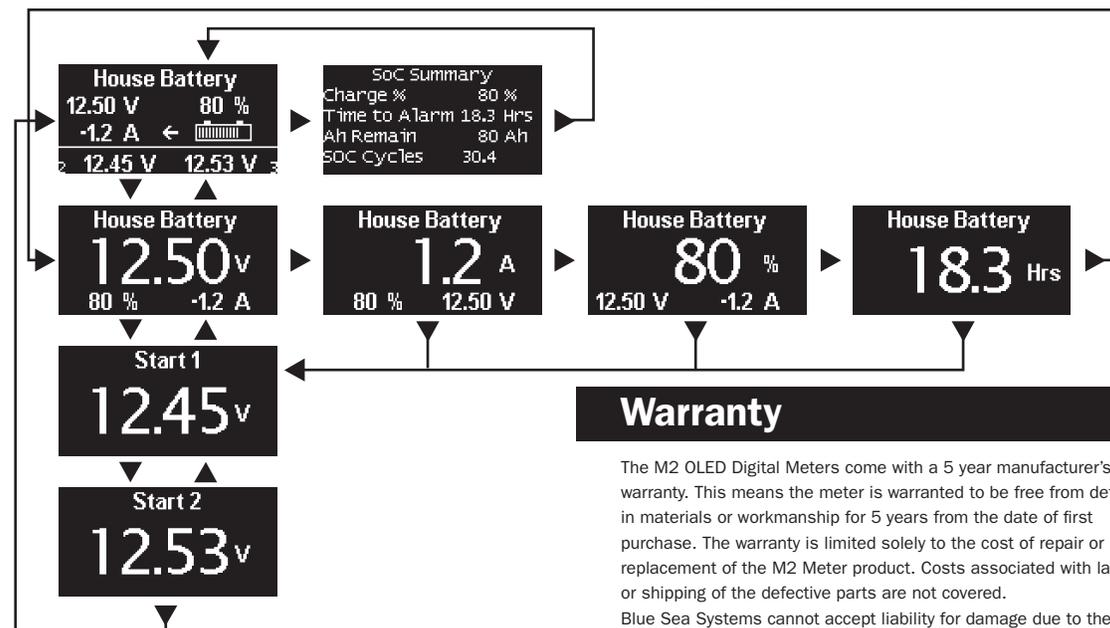
Warranty

The M2 OLED Digital Meters come with a 5 year manufacturer's warranty. This means the meter is warranted to be free from defects in materials or workmanship for 5 years from the date of first purchase. The warranty is limited solely to the cost of repair or replacement of the M2 Meter product. Costs associated with labor or shipping of the defective parts are not covered.
Blue Sea Systems cannot accept liability for damage due to the misuse of the M2 Meter.
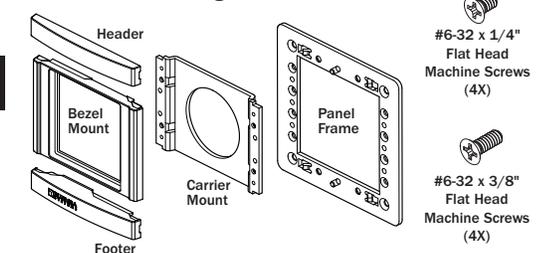
M2 OLED Digital Monitor

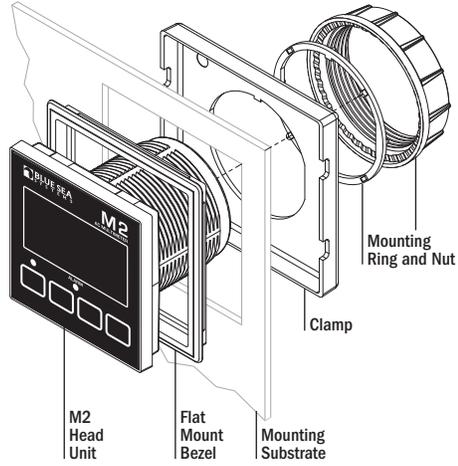## QuickStart Installation Guide

1830 DC SoC Monitor

Components Included

M2 Head Unit — Surface Mount Bezel and Seal — Surface Mount Gasket

Surface Mount Cover — Flat Mount Bezel — Flat Mount Clamp

Mounting Ring — Mounting Nut — PN 8255 Shunt (1X)

Connector — Screwdriver (retail package only)

360 Panel Mounting Kit PN 1525 sold separately

Header
Bezel Mount
Footer
Carrier Mount
Panel Frame

#6-32 x 1/4" Flat Head Machine Screws (4X)

#6-32 x 3/8" Flat Head Machine Screws (4X)

www.bluesea.com

Flat Mount

Mounting
Ring and Nut

Clamp

M2
Head
Unit

Flat
Mount
Bezel

Mounting
Substrate

Surface Mount

Mounting
Ring and Nut

Surface
Mount
Cover

M2
Head
Unit

Surface
Mount
Gasket

Mounting
Substrate

Surface
Mount
Bezel
and Seal

NOTE: During installation use cover to align the bezel and gasket
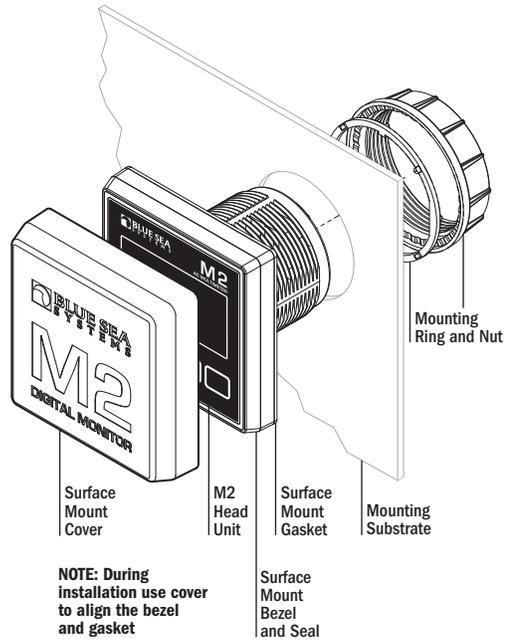
360 Panel Mount PN 1525 (If retrofit to existing panel)

STEP 1
Use 1/4"
Mounting
Screws

360 Panel
Mount
Carrier

Panel
Frame
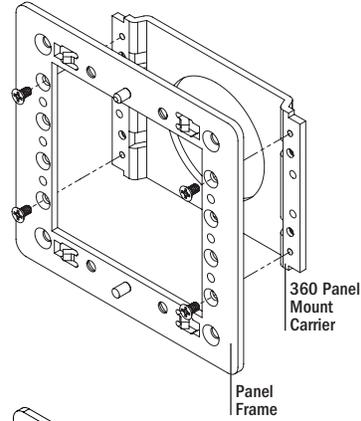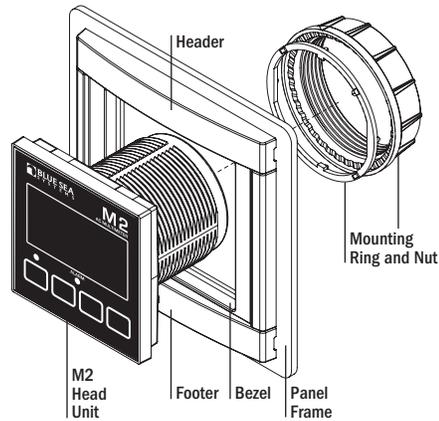
STEP 2
Snap header
and footer
into mounting
clips and post.
Snap the
mounting bezel
into place
with the flat
edge up.

Header

Footer

Bezel

Panel
Frame

STEP 3

Header

Mounting
Ring and Nut

M2
Head
Unit

Footer

Bezel

Panel
Frame

Flat Mount

3.34" (84.8mm)

3.00" (76.2mm)

3.34" (84.8mm)

3.00" (76.2mm)

Surface Mount

Ø2.125"
(54mm)

3.46" (87.9mm)

3.40" (86.5mm)