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NMEA 2000 GATEWAY INSTRUCTIONS

INCLUDED HARDWARE:

- A.** (1) NMEA Gateway Unit
- B.** (2) (Short) Gateway Screws
- C.** (1) (Long) T-Connector Screw
- D.** (1) Pairing Magnet
- E.** (1) NMEA Drop Cable
- F.** (1) T-Connector

INSTALLATION TOOLS:

- Electric Drill
- 9/64" Drill Bit
- 7/64" Drill Bit
- Phillips-Head Screwdriver
- Fine-Tip Marker



Our NMEA 2000 Gateway is only for users who:

- Have NMEA 2000 backbone installed in vessel
- Have a LOWRANCE® unit installed in vessel

IMPORTANT: Before proceeding, ensure your Lowrance® unit is running software version "x" or later. The Gateway will not work with earlier versions. Visit downloads.lowrance.com to download most recent software.



INSTALLATION

STEP 1: Use the mounting parameters listed below to select appropriate mounting location:

- Mount where Gateway can be seen and touched with **Pairing Magnet (D)**.
- For best performance do not mount on metal surfaces or within 6" of large metal objects.
- For longer vessels, centrally mount between all paired devices.
- Make sure mounting location is close enough to reach existing NMEA Backbone.

STEP 2: Hold **Gateway Unit (A)** flush with mounting surface and mark (2) **Mounting Holes** using a Fine-Tip Marker. **FIG 1**

STEP 3: Drill **Mounting Holes** using a 7/64" Drill Bit.

STEP 4: Line **Gateway Unit (A)** up with Mounting Holes and install (2) **Gateway Screws (B)** using a Phillips-Head Screwdriver. **FIG 1**

STEP 5: Screw **Drop Cable (E)** into bottom of **Gateway (A)**. **FIG 2**

STEP 6: Screw **Drop Cable (E)** into **T-Connector (F)** and attach **T-Connector (F)** to the rest of the NMEA 2000 backbone.

STEP 7: Hold **T-Connector (F)** flush with mounting surface. Mark hole with fine-tip marker and drill hole with 9/64" drill bit.

STEP 8: Line **T-Connector (F)** up with Mounting Holes and install **T-Connector Screw (C)** using a Phillips-Head Screwdriver.

Mounting Holes/
Screws (B)



Figure 1

NMEA Drop
Cable (E)



Figure 2

PAIRING TO CHARGE™:

STEP 1: Ensure **Gateway** and **Lowrance®** units are connected to NMEA network.

NOTE: **RED LED** on **Gateway (A)** will blink.

STEP 2: Follow **FIG 3-7**. (Next Page)

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NMEA 2000 GATEWAY INSTRUCTIONS (Continued)



Tap "Power" Button
Figure 3



Tap: "Settings"
Figure 4



Tap: "Network" then
"Device List"
Figure 5



Tap "Refresh". Serial Number will appear when successfully paired.
Figure 6



Successfully Paired Home Screen
Figure 7

STEP 3: Tap **Pairing Magnet (D)** to C-Monster Logo on **Gateway Unit (A)**. **LED** will be **solid**.

STEP 4: Quickly press and release the **Program**  **Button** on **CHARGE™**. When paired, **Gateway LED** will blink.

STEP 5: Refresh Device List on **Lowrance®** unit. If serial number appears next to **"Power Pole Gateway"** on screen, pairing was successful. **FIG. 6**

PAIRING TO CM2 PUMPS:

STEP 1: Follow **STEPS 1-3** of **"Pairing to CHARGE™"** Section.

STEP 2: Hold **Program**  **Button** on pump for 3 seconds (until Pump beeps) then let go. **Pump** will beep again confirming it is paired to the **Gateway**. When paired, **Gateway LED** will blink.

STEP 3: Refresh Device List on **Lowrance®** unit. If serial number appears next to **"Power Pole Gateway"** on screen, pairing was successful. **FIG. 6**

NOTE FOR DUAL PUMPS: Repeat **STEPS 1-5** for other HPU. If **(2)** pumps are paired, **(2)** Serial Numbers will show on Lowrance® Screen.

IMPORTANT: HPU can only be monitored, not controlled from Lowrance® units.

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NMEA 2000 GATEWAY INSTRUCTIONS (Continued)

General Statement (for all devices)

Warning: Changes or modifications to this device not expressly approved by JL Marine Systems, Inc. could void the user's authority to operate the equipment.

FCC Specific Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

FCC Part 15.19 Warning Statement - (Required for all Part 15 devices) THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

FCC/ISED RF Exposure

ENGLISH: This equipment complies with radiation exposure limits set forth for an uncontrolled environment. This equipment is in direct contact with the body of the user under normal operating conditions. The transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FRENCH: Cet équipement est conforme aux limites d'exposition aux radiations dans un environnement non contrôlé. Cet équipement est en contact direct avec le corps de l'utilisateur dans des conditions de fonctionnement normales. Cet émetteur ne doit pas être co-localisées ou opérant en conjonction avec tout autre antenne ou transmetteur.

ENGLISH: This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must not accept any interference, including interference that may cause undesired operation of the device.

FRENCH: Le présent est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.