**8M0038277**

**WIRELESS MODULE ASSEMBLY**

IMPORTANT: This document guides our dealers, boatbuilders, and company service personnel in the proper installation or service of our products. If you have not been trained in the recommended servicing or installation procedures for these or similar Mercury Marine products, have the work performed by an authorized Mercury Marine dealer technician. Improper installation or servicing of the Mercury product could result in damage to the product or personal injury to those installing or operating the product.

**NOTE:** After completing installation, place these instructions with the product for the owner’s future use.

Components in Kit

![Wireless Module Assembly Diagram]

<table>
<thead>
<tr>
<th>Key</th>
<th>Qty</th>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Wireless module</td>
<td>NSS</td>
</tr>
<tr>
<td>2</td>
<td>4</td>
<td>10-16 x 0.88 screw</td>
<td>69013</td>
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</tbody>
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Installing the Wireless Module

IMPORTANT: This wireless module requires a SmartCraft CAN network to operate. Consult a Mercury dealer if assistance is required to determine if a SmartCraft CAN network is installed, or for information on how to install the required components.

IMPORTANT: Mercury recommends mounting the wireless module horizontally to maximize signal strength.

1. Using the four included screws, install the wireless module in a secure location, preferably under the helm. Although the wireless module can be mounted in any orientation, installing the module in a horizontal position will maximize signal strength. Fasten the wireless module with the screws provided.
IMPORTANT: The wireless module requires an existing SmartCraft CAN network. If an available junction box port is not available, please consult a Mercury dealer before proceeding.

Wireless module plugged into an open port on a J-box

2. Attach the connector end of the wireless module to an available junction box port. If an available J-box port is not available, please consult a Mercury dealer. The wireless module requires an existing SmartCraft CAN network. A Mercury dealer can assist in setting up this network.

Guidelines for Installing Harnesses

Follow these guidelines when installing the harnesses:

• The maximum CAN bus length is 70 m (230 ft).
• The maximum length of a CAN bus drop (branch off the main harness) is 7 m (23 ft).
• The combined length of all drops cannot exceed 36 m (118 ft).
• Locate an appropriate path for routing the harness connections to their installation points.
• Inspect the routing path to ensure that the surfaces are free of any sharp edges or burrs that could cut the harness.
• Fasten and support the harness with clamps or cable ties along the routing path. A clamp or cable tie must be used within 25.4 cm (10 in.) from any connection and every 45.8 cm (18 in.) along the routing path if the harness is not housed in a rigging tube.
• Ensure that all connections are tight and locked (if equipped with a lock mechanism).
• Seal all unused connectors with weather caps.
• Route the harness at least 1 m (3 ft 3 in.) from any device that produces electromagnetic interference (EMI), such as VHF radio and radar equipment.

Precautions for Wiring and Harnesses

IMPORTANT: Refer to the following precautions to avoid damage to the electrical system when working on or around the electrical harness or when adding other electrical accessories.

• Do not attempt diagnostics without the proper approved service tools.
• Do not puncture wires for testing (probing).
• Do not splice wires into the harness.
• Do not connect, network, tie into, switch, or sink source voltage or current from the wiring harnesses.
• Do not connect any type of communication or navigation equipment to the wire harnessing other than at the designated connection point.
• Install boat accessory equipment using an appropriate power source connection, such as a fuse panel or junction box circuit breaker.
• Do not tap directly into any of the electrical wiring harnesses for a source of power.
Installing the App

If the app has not already been installed, do so now. The QR code will take you to the Ship’s Log app in the Apple® App Store. The URL is: https://itunes.apple.com/us/app/ships-log/id562028480?mt=8.

Setting Up a Ship's Log Account

The Ship’s Log web page is located at http://shipslog.mercurymarine.com. Log in or set up an account and configure a profile in the Ship’s Log app.

Connecting to the Wireless Module

IMPORTANT: When connected to the wireless module, the internet connection will be interrupted. When connected to the wireless module, a phone assumes that internet data will be available through this connection, and it prioritizes this over cellular data. The wireless module connects to a phone as a WiFi connection, but will only provide engine data. To resume receiving internet data, disconnect from the wireless module.

1. Turn the key switch to the on position. The CAN and WiFi lights will illuminate. The CAN light will flicker if the module is properly connected.
2. To use the Ship's Log app along with the wireless module, connect to the wireless module. Navigate to Settings/WiFi and select the network with a name matching the SSID provided on the label found on the wireless module harness. Log in using the password displayed on the SSID label.

Using the Wireless Module

Close the settings screen and open the Ship’s Log app. The Home screen will open.
Home Screen

When connected to the wireless module, the My Boat icon in the screen's upper right corner will turn green. Available engine data will be displayed on this screen.

When not connected to the wireless module, this screen will display current weather along with tomorrow's forecast for the current location.

**NOTE:** When pressing the refresh button while the phone is connected to the wireless module, all engine data will be updated, but the weather will not be. This is due to the unavailability of internet data while being connected to the wireless module. To update the current weather status, disconnect from the wireless module. If an internet connection is available (cellular or WiFi), the current weather will be updated. To create a log with engine data, reconnect to the wireless module and continue.

The engine data available is:

- **Top Speed**—The maximum speed since midnight. The speed data must come from a SmartCraft sensor such as a pitot, paddlewheel, or GPS. The GPS data must be on SmartCraft bus, from either a CAN P GPS or a NMEA 2000 GPS with a CAN P gateway.
- **Average Speed**—The average speed since midnight. Speed data requirements are the same as noted for top speed.
- **Engine Hours**—The accumulated engine hours, per engine. This entry can display up to four engines.
- **Water Depth**—The water depth at the instant the snapshot was requested; this information must come from a SmartCraft depth transducer.
- **Water Temperature**—The water temperature at the instant the snapshot was requested. The data must come from a SmartCraft sensor (paddlewheel, depth, or triducer have the water temperature data).

**Adding a Log Entry**

Save the current log or add a photo from any screen.

- **Save**—The Save icon in the upper right corner saves the log to the phone. This only saves the log. To upload the log to the Ship's Log website, select **Settings** from the bottom menu, and select **Sync Log with Website**.
- **Add Photo**—Select either an existing photo or take a new one and add to the current entry.

Selecting **Add Log Entry** from the Home screen, opens a screen that allows selecting what to include in the log entry. The options for **Add Log Entry** include:
Notes screen
Allows adding notes and category tags for the log entry.

Crew screen
Allows adding crew member information and photos.

Location screen
Allows capturing the coordinates and photos of the current location. This function can be turned on or off.

Engine screen
Selecting this entry will include current engine information in the log entry.
Privacy screen
Choose whether the entry should be made public and whether it should be posted to Facebook.

My Log
Displays and allows editing of logs.

Checklists
Use existing check lists including: Pre-Departure, Equipment, or Winterizing. To create a custom checklist, do it here.

Settings
1. **Edit Profile**—Change settings for the user’s profile: email, password, or first and last name.
2. **Time**—12- or 24-hour format.
3. **Location Capture**—Enable or disable capturing current location to the log entry.
4. **Public Entries**—Select whether the logs will be publicly viewable on the Ship’s Log website.
5. **Sync Log with Website**—Uploads the logs to the Ship’s Log website.
Wireless Module Quick Start Instructions

**NOTE:** This wireless module requires a SmartCraft CAN network to operate. Consult a Mercury dealer if assistance is required to determine if a SmartCraft CAN network is installed, or for information on how to install the required components.

**NOTE:** When connected to the wireless module, internet data will be interrupted. When connected to the wireless module, the phone assumes internet data will be available through this connection and prioritizes this over cellular data. The wireless module connects to a phone as a WiFi connection, but it will only provide engine data. To resume receiving internet data, disconnect from the wireless module.

1. If the app has not already been installed, do so now. Use the QR code to connect to the Ships Log App in the Apple App Store, or go to [https://itunes.apple.com/us/app/ships-log/id562028480?mt=8](https://itunes.apple.com/us/app/ships-log/id562028480?mt=8).

2. Log in or set up an account and configure a profile in the Ships Log app. The QR code will bring up the site. The Ships Log webpage URL is: [http://shipslog.mercurymarine.com](http://shipslog.mercurymarine.com).

3. Attach the wireless module to a secure location, preferably under the helm. Mercury recommends installing the module in a horizontal position to maximize signal strength.

4. Attach the connector end of the wireless module to an available junction box port. Turn the key switch to the on position. The CAN and WiFi lights will illuminate. The CAN light will flicker if properly connected.

5. When using the Ship's Log app along with the wireless module, connect the mobile device to the wireless module. Navigate to **Settings/WiFi** and select the network with a name matching the SSID provided on the label found on the wireless module harness. Log in using the password displayed on the SSID label.

6. Leave **Settings** and open the **Ships Log** app.

7. When connected to the wireless module, the **My Boat** icon in the upper right corner will turn green. Engine data will now be available on this screen and will be included in Log entries.