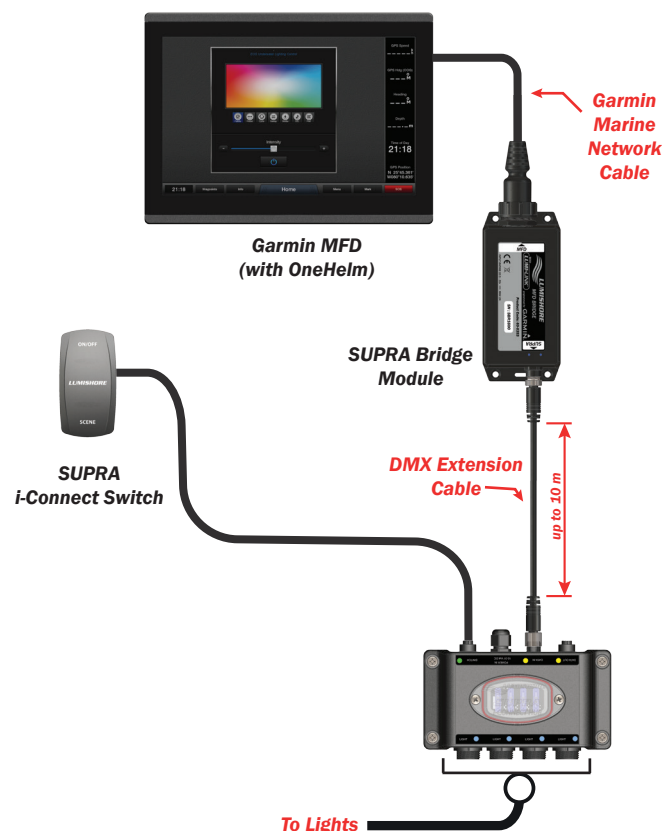


SUPRA Lumi-Link Bridge Module for Garmin OneHelm



System Overview



INSTALLATION AND OPERATION INSTRUCTIONS

Congratulations! You have purchased a LUMISHORE advanced LED technology underwater lighting product. Every care has been taken to ensure your SUPRA Lumi-Link Bridge Module arrives in perfect condition, so please enjoy the ultimate experience in underwater lighting.

Please read the following pages to ensure a complete understanding of the LUMISHORE LED lighting system before installation.

Before you Start

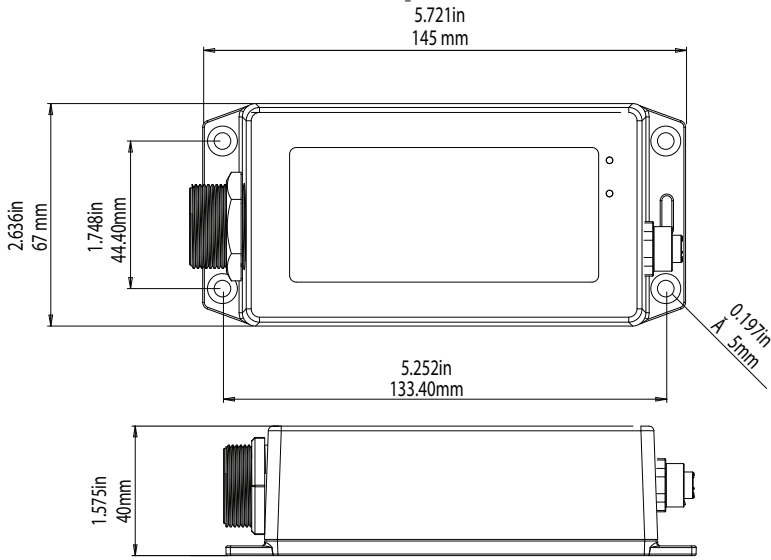
- Always ensure that the vessel's power source and battery are disconnected or isolated prior to installation.
- A qualified professional should carry out both the electrical and mechanical installation.
- The SUPRA lighting system should be fully installed and working before connecting the SUPRA Bridge Module.
- The SUPRA Bridge Module must be mounted on a flat (not curved) surface, and away from any sources of heat or vibration.
- The SUPRA Bridge Module is compatible with the SUPRA i-Connect Hub (with Lumi-Link). Check you have the correct product before starting the installation.
- The SUPRA Bridge Module works with Garmin OneHelm - check the compatibility of your Garmin MFD prior to installing the SUPRA Bridge Module. The MFD may require a software update - check with Garmin prior to installing the bridge module.

The SUPRA Bridge Module sits between the SUPRA i-Connect Hub and the Garmin MFD. It connects to the SUPRA i-Connect Hub using a DMX Extension Cable (1m 24-0077, 5m - 24-0078), The bridge MUST be located within 10m of the Hub. The SUPRA i-Connect Switch still controls the lights, and this side of the system is unchanged.

The SUPRA Bridge Module connects to the Garmin MFD using a Garmin Marine Network Cable. The Garmin MFD must have OneHelm enabled - a software update may be required.

Mechanical Installation

1. Select a suitable location to mount the SUPRA Bridge Module. This should be in a **dry** location, and within 10m of the SUPRA i-Connect Hub. A 1m DMX cable is supplied with the Bridge Module.
2. The SUPRA Bridge Module should be mounted onto a flat surface, away from any sources of heat, or vibration. Ensure you have enough room to be able to fit the connectors to the module.
3. Mount the SUPRA Bridge module using four mounting holes at either end of the case - Use the dimensions from the drawing below.
4. The SUPRA Bridge Module is powered from the SUPRA i-Connect Hub, and does not require a separate power supply - see electrical installation for further details.



6. Switch power on to the Hub and Lights.

7. Power on the Garmin MFD. The SUPRA Bridge Module is automatically detected by the MFD. When the SUPRA Bridge Module has been successfully detected the MFD will display a LUMISHORE icon on your home page, as shown below.

NOTE: This process can take around 2 minutes.



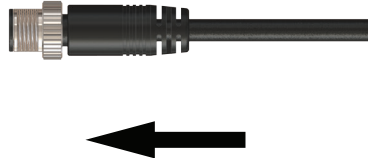
Electrical Installation

1. Plan the cable runs. You will need to connect a GARMIN Marine network cable between your MFD and the SUPRA Bridge Module. **DO NOT USE any other type of Ethernet cable.** A DMX Extension Cable is required to connect the Hub and SUPRA Bridge Module (1m 24-0077, 5m - 24-0078). The bridge **MUST** be located within 10m of the Hub.

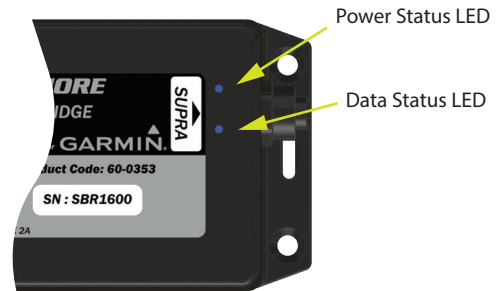
2. Make sure power is switched off to the Hub and Lights.

3. Plug the MALE end of the DMX Extension cable into the connector on the SUPRA Bridge Module.

Fit the MALE DMX connector to the Bridge Module and screw home the thread - take care the connector key is in the correct position - DO NOT Force the connector



Trouble Shooting



The SUPRA Bridge has 2 LEDs which indicate whether it is healthy or not:

| LED Status | Power | Data |
|------------|----------|-------------------------------|
| Solid ON | Healthy | Healthy - Data Being Received |
| OFF | No Power | No Power |
| Flashing | N/A | Healthy - Ready For Data |

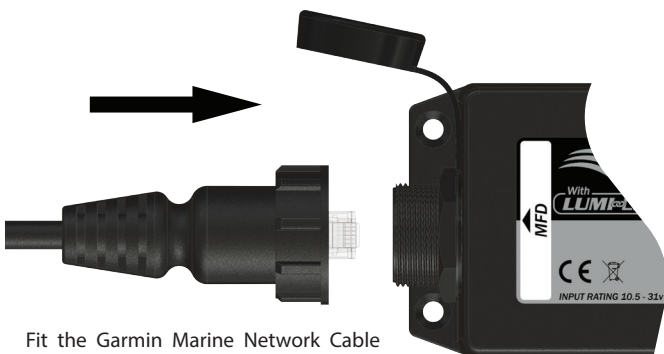
If power to the Supra Bridge is lost temporarily then the system may not fully function until you exit to the Home screen on the MFD, and then re-select the Supra Screen.

Warranty

LUMISHORE Ltd warrants the SUPRA Bridge Module to be free from defects in workmanship and materials for a period of two years, starting from the date of original purchase. Misuse, abuse, improper installation, neglect, improper shipping, damage caused by disasters such as fire, flood, and lightning, installation by unqualified personnel, unauthorized repair or modification will void this warranty. For the avoidance of confusion and doubt, non-compliance with all installation, maintenance and operating instructions in this document constitute non-conformance with warranty terms.

4. Plug the FEMALE end into the DATA IN port on the hub with the switch connected. The SUPRA Bridge Module is powered directly from the hub, and does not need a separate power supply

5. Make sure your MFD is powered down. Plug the Garmin Marine Network cable into the correct port on the back of the MFD. **NOTE: Refer to the Garmin Instructions for your MFD to ensure you connect to the correct port.**



Fit the Garmin Marine Network Cable and screw home the thread - take care the connector is in the correct position - DO NOT Force the connector