RockFLEET (YB3i)
Installation Instructions

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BETTER CONNECTIONS, EVERYWHERE.

Warning
If you are not experienced with installing electrical equipment in a marine environment, it is recommended that the installation of your RockFLEET device be undertaken by a qualified marine technician.

Damage to your RockFLEET caused by improper installation may result in your warranty being void.

Mounting
Your RockFLEET should be mounted in a location where it will have clear visibility of the sky enabling it to receive GPS signals and broadcast position data to Iridium satellites.

For optimal performance, ensure your RockFLEET is mounted in a horizontal position with the top of the RockFLEET facing towards the sky.

You may select either a deck mount or pole mount (rokk mount) to fix your RockFLEET to your vessel. Use the included mounting installation guide, that comes with your selected mount, to install the mount on your vessel and the RockFLEET to your mount.

Power
The RockFLEET will run on any voltage between 8V and 32V. It will draw a maximum of approximately 700mA under normal operation. If you intend to fuse the circuit, use a 2A fuse.

The RockFLEET should provide an audible tone when powering on for the first time. If it doesn't, check that the LED on the underside of the device is flashing GREEN every 10 seconds indicating it is transmitting and running on external power.

Cable Termination
Your RockFLEET will have either a 30cm or 3m cable attached. Depending on whether you desire a permanent installation or a transferrable installation, follow the appropriate guides below:

Permanent Installation
1. Measure the cable length required from your mounting location to your power source.

2. Cut the cable to length; or, if additional cabling is required:

    a. Cut any connectors from the end of the RockFLEET cable

    b. Connect the new required length of cable onto the end of the RockFLEET cable using waterproof connectors

    c. Use a marine grade adhesive heat-shrink tubing around the cable join to prevent the inner wires being exposed and prevent water and salt ingress

    d. Use protective conduit along the length of the cable to provide it protection from damage

3. Wire the positive (red) and negative (black) cores of the power cable onto your power supply. Where possible, connection to the power supply should be made below decks where it is not exposed to the elements.

Ensure that the termination of the wires to the power supply is properly sealed, preventing the inner cores of the wires from being exposed to the elements.

Transferrable Installation

1. Measure the cable length required from your mounting location to your power source.

2. Cut the cable to length (if required).

3. Determine where along your cable you want to install a marine grade connector for easy connection / disconnection to aid transfer of the RockFLEET from one vessel to another.

4. Install the marine grade connectors.

   a. Cut the cable at the desired connector position, removing any existing connectors from the RockFLEET end of the cable

NOTE: If using a RockFLEET with a 30cm cable, it is recommended to re-terminate this cable with a new waterproof marine grade connector, ensuring the use of marine grade adhesive heat-shrink tubing and conduit to prevent damage to the inner wires or cable.

   b. Connect a marine grade plug to the RockFLEET end of the cable

   c. Connect the complimentary marine grade socket to the power source end of the cable

   d. Use a marine grade adhesive heat-shrink tubing to prevent the inner wires being exposed and prevent water and salt ingress. Apply the marine grade heat-shrink tubing up to and including the end of the connector if possible

   e. Use protective conduit along the length of the cable to provide it protection from damage

5. If additional cabling is required;

   a. Connect the required length of cable onto the end using waterproof connectors

   b. Use a marine grade heat-shrink around the cable join to prevent the inner wires being exposed and prevent water and salt ingress

   c. Use protective conduit along the length of the cable to provide it protection from damage

6. Wire the positive (red) and negative (black) cores of the power cable onto your power supply. Where possible, connection to the Power Supply should be made below decks where it is not exposed to the elements. Ensure that the termination of the wires to the power supply is properly sealed, preventing the inner cores of the wires from being exposed to the elements.

7. Repeat steps 4c through to step 6 for any additional vessels that will be utilising the RockFLEET.

NOTE: It is important to cover the plug of any cable not connected to a RockFLEET, preventing water or salt ingress. Failing to cover the plug when not in use may lead to corrosion and cable failure.

Marine Grade Waterproof Connectors

It is important to use marine grade waterproof connectors for any transferrable installations to prevent water or salt ingress on the cables. The Waterproof Deutsch 2-way connector (PP2150) is a suitable connector to use when used with marine grade adhesive heat-shrink tubing and ideally a connector boot.

Need more information?

Australia
1300 882 448 | mail@pivotel.com.au | pivotel.com.au

New Zealand
0508 882 448 | mail@pivotel.co.nz | pivotel.co.nz

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