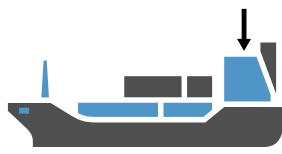


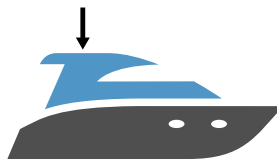
Installation Guide for Beam Mast/Pole/Rail Mount Antenna (RST210)

Applications

Recommended Antenna Installation



LARGE VESSEL



LEISURE CRAFT



BUILDING



WARNING

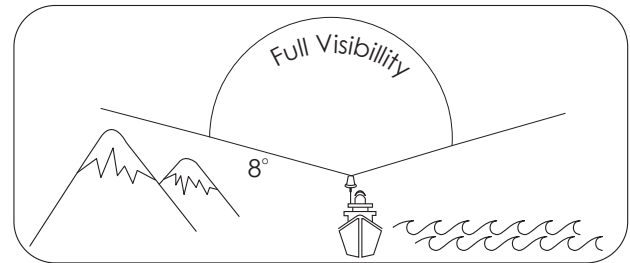
Do not place the antenna anywhere there is a source of heat or fumes such as the ship's exhaust.

Antenna installation is critical for optimum performance of your Iridium service.

Installation Guidelines

To ensure maximum performance of the antenna system and to maximise availability and reliability of service the antenna must;

- mount antenna vertically (top side facing up)
- have a clear line of site to the sky
- be clear and free of obstructions
- be located away from other transmitting devices
- be securely affixed in location
- be located outdoors
- be installed with a Beam certified cable

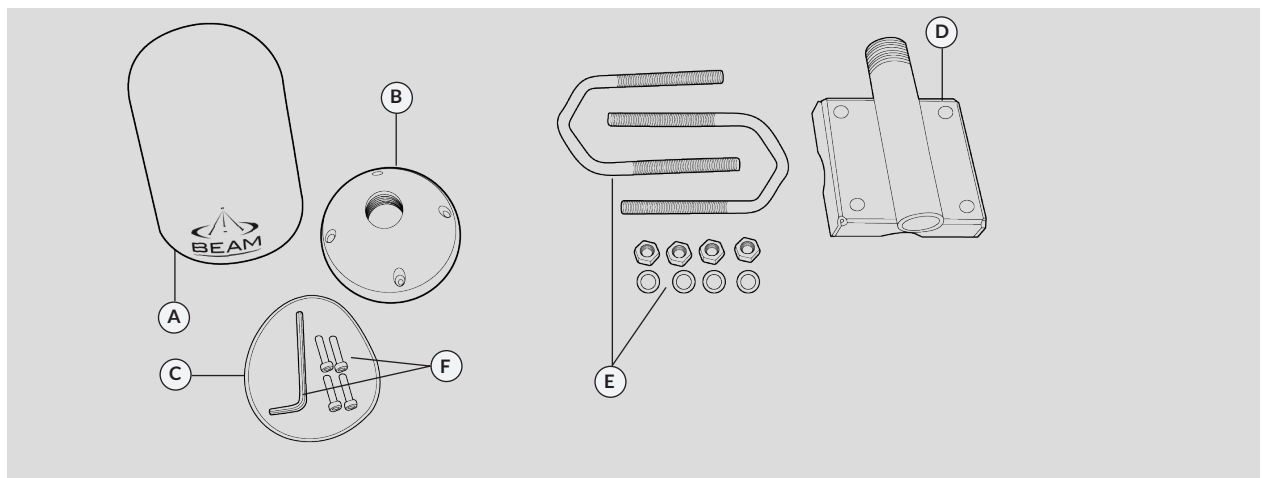


Installing Antenna Cables

When installing antenna cables, follow these guidelines:

- Route and restrain cables to prevent them from vibrating or moving under normal conditions, which could result in damage to the antenna or the coaxial cable connections.
- Wherever the cables contact structures, protect the cables from chafing or abrasion. If a cable needs to be bent, avoid kinking it, and ensure that each bend radius follow the cable specification limits.
- Use coaxial sealant, shrink-wrap tubing, electrical tape, or another suitable product to seal all cable connections appropriately to prevent moisture and corrosion damage from weather exposure.
- To minimize the loss of radio signals from the antenna to the Beam Iridium terminal or accessory, the signal power loss along the cables (end-to-end, including connectors) should be less than 3dB.

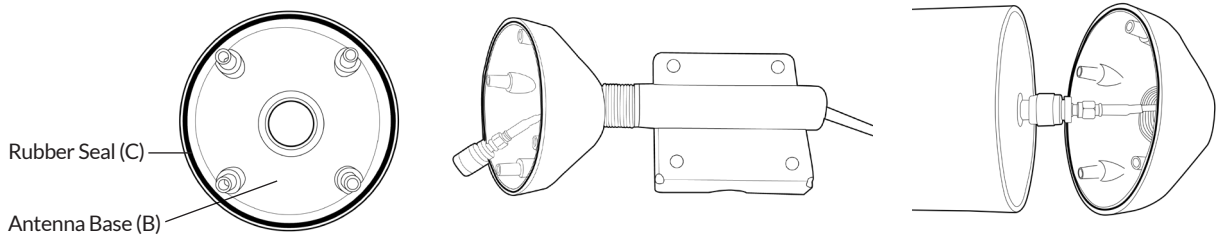
Package Contents



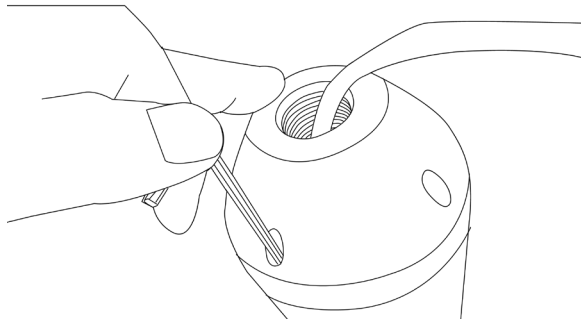
A - Single Mode Antenna	B - Antenna Base	C - Rubber Seal
D - Mounting Bracket	E - 2 x U-Bolt, nuts/washers	F - 4 x Hex Socket Bolts with Hex key

Antenna Installation

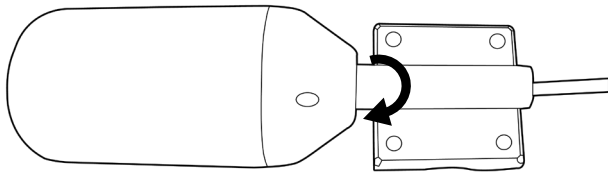
1. Begin by putting the Rubber Seal (C) on the Antenna Base (B). Make sure the rubber sits perfectly in the groove, then pass the cable through the Mounting Bracket (D), then the Antenna Base with the TNC male connector on the antenna end, connect the antenna cable to the Antenna connector. Make sure the connector are securely screwed in. Do not use hand tools to avoid breaking the connector. Hand tightening is recommended.



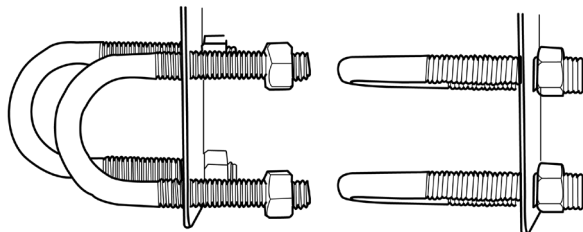
2. Hold the base against the antenna and align the screw holes ready to screw them together. Use the four Hex Socket Bolts (F) with the Hex key to screw the base to the antenna. Do not over tighten. Over tightening may break the thread and compromise the seal.



3. Screw the Mounting Bracket to the Antenna Base until tightly secured.



4. Using the U-Bolt, nuts and washers (E) provided, the antenna can be affixed to either a horizontal or vertical pole mount.



Horizontal Pole Mount

Vertical Pole Mount

5. Finally, connect the other end of the antenna cable to the Beam Iridium terminal or accessory connector. It is recommended to use appropriate strain relief on the cables to avoid damaging them.



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