

Product Installations

Data Only Module RST600

There are several installation options available for the RST600 depending on the application and the types Data services required, the following outlines some of the installation options.

Fixed / Permanent Installation Data Only Module

The Beam Data Module provides remote environments with reliable Data / SCADA communications access via the Iridium satellite network.

The RST600 cable assembly presents a DB9 serial data socket to the user in order to gain access to the Iridium data services. All Iridium data services are supported including SMS, Direct Internet, Circuit and Short Burst Data.

For more detailed information on the Data Only Module click here [RST600](#)

Installation Configuration



Iridium Antenna



Battery Back-up



TrackALERT
Interface



AC 110/240 Plug Pack



11-32VDC-4.4VDC Convertor





Data Connectivity

The RST600 is fitted with a DB9 data connector for accessing serial data services on the Iridium network. The Serial port provides a Hayes Compatible modem interface. The serial lead can be extended up to 150' / 50m if required.

Power Inputs

The Beam RST600 accepts only a 4.4VDC input. Whilst the terminal is supplied with a 110/240V plug pack that provides 4.4V DC to the terminal for use in a DC environment where typically 4.4V would not be a standard power source the use of the Beam DC to Dc Converter is required. Alternatively it may be worth considering the RST610 terminal that has a built in 11-32VDC power supply.

The RST050 Beam Battery Pack can only be used on an RST600 in conjunction with the DC-DC converter.

Antenna/Cable Installation

An antenna is not supplied with the RST600 therefore an appropriate antenna should be selected for the installation along with the suitable length of cable to minimize the distance between the antenna and the unit.

The antenna cable should be within the Iridium specification, maximum 3DB loss. All Beam cable is within this standard. If a local cable supplier is being used then it is advisable to verify this specification. Any bends in the cable, extreme heat or the use of additional connectors with impact the loss of the cable and thus the performance of the terminal.

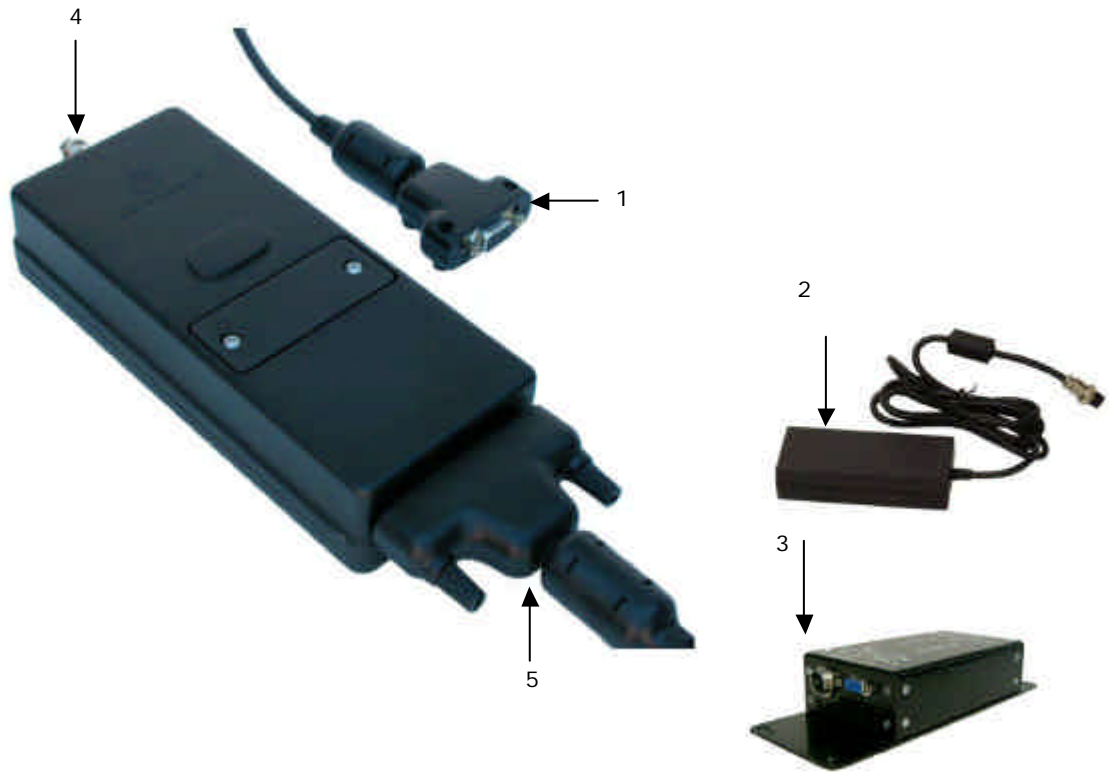
The antenna should be installed with clear line of sight to the sky; 8 degrees line of site above the horizon is ideal. Whilst clear line of site is not always possible for 360 degrees, every effort should be made to gain as clear line of sight as possible.

Connecting TrackALERT

To connect the Beam TrackALERT to the RST600 is very simple. The Beam TrackALERT will connect directly to the Beam RST600 Comm. Port. The TrackALERT interface for the RST600 will be supplied with an additional cable and power supply to connect the 7.5VDC power to the TrackALERT.

Once connected to the RST600 the TrackALERT can be configured for the application.

RST600 Connection Summary



1. 1 x DB9 Serial Connector: Comm. Port for accessing Data Services
2. 1 x Screw Connection AC Plug Pack: 110/240VAC – 4.4VDC Converter
3. DC-DC Power Converter: **Optional** accessory 11-32VDC input – 4.4VDC
4. 1 x TNC Connector: Iridium Antenna Connection
5. D25 Connector: cable assembly to DB9 & DC input connectors.