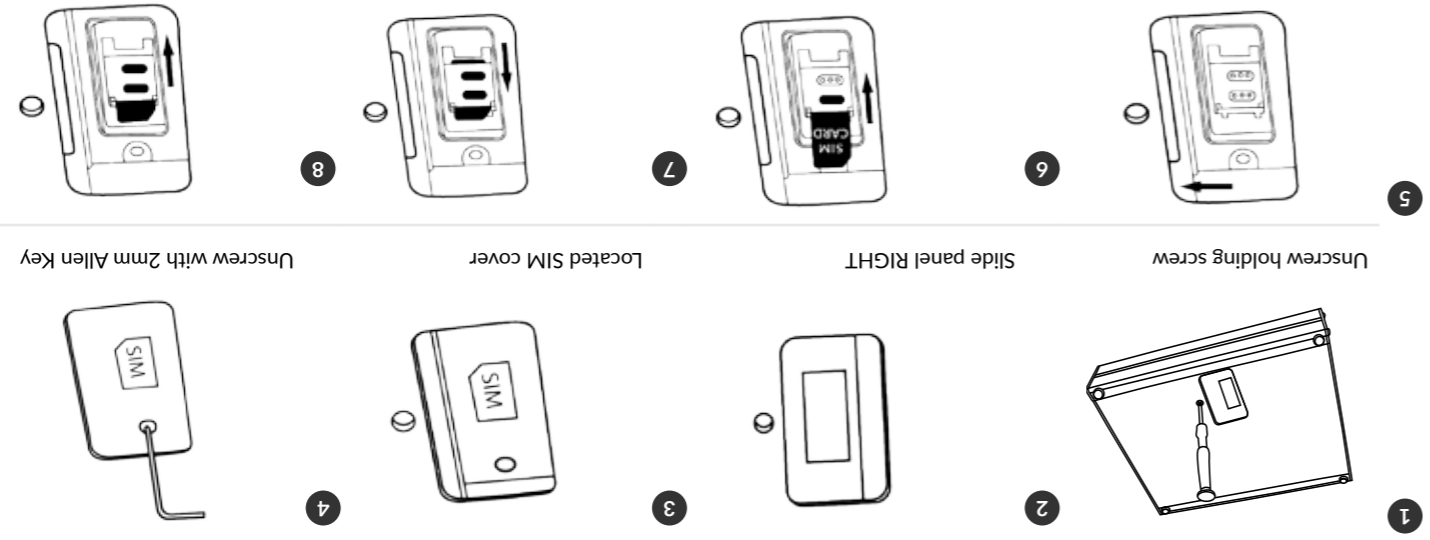


**NOTE**  
Metallic SIM contacts must be face-down to engage with the SIM card reader.

Replace covers by following steps 4 to 1.

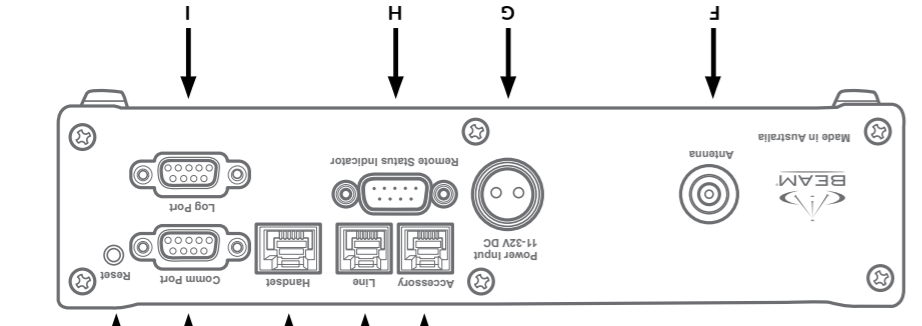
Gently push down on the grey SIM housing and push away from you to LOCK the SIM in place.



Follow the instructions below:

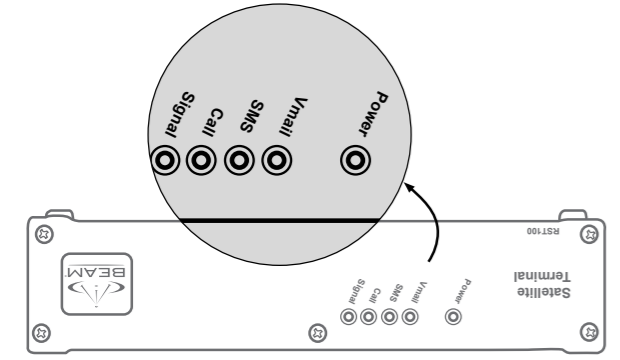
Tools required:  
 1. Phillips-head screwdriver  
 2. Allen Key (supplied)

**1. Installing your SIM Card**



A: RJ11 Phone Socket B: Parallel RJ11 Phone Socket C: Intelligent Handset Port D: Comm (Data) Port  
 E: Reset Button F: Iridium Antenna Port G: DC Power H: Remote Status Indicator  
 I: Log Port - Configuration Port using Beam Management System

**REAR PANEL**



**FRONT PANEL**

**RST100B RemoteSAT**

- Package Contents**
- Before commencing installation ensure your package has the following components:
- 1 x RST100B unit
  - 1 x universal plug-pack power adapter\* (110-240V AC)
  - 1 x Adapter Cable (CBLASY015501)
  - 1 x DC Power Cable (for use only on 11-32 DC input) (Male to Female)
  - 1 x 9-pin-to-9-pin RS-232 cable
  - 1 x User Manual (printed)
  - 1 x Iridium Antenna Guide (printed)
  - Allen Key, screws & washers & washers
  - 2 x Mounting Brackets
- \* Kettle cord not included

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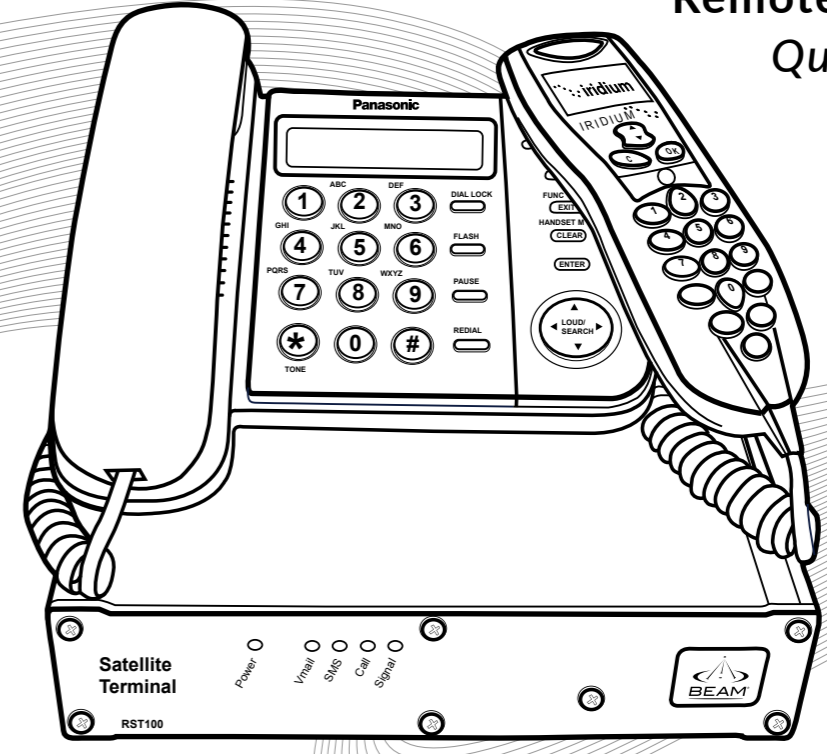
BEAM Communications Pty Ltd  
 5/8 Anzed Court, Mulgrave  
 Victoria, 3170, AUSTRALIA

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**RemoteSAT RST100B  
Quick Start Guide**



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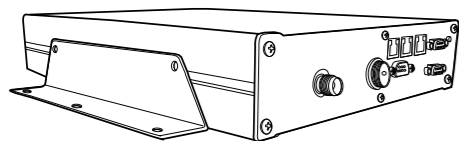
\*POTS Phone & Intelligent Handset are optional accessories

PART#: USRQSG004903

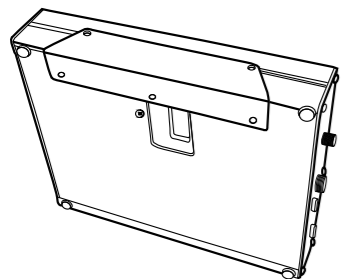
## 2. Mounting your RST100B

The RST100B comes with two (2) right angle brackets that allow mounting for mobile and fixed positioning. Carefully slide the RST100B between the two mounting brackets and secure with the retaining screws.

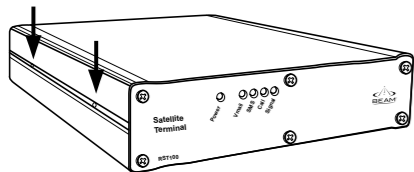
### A: Drop-in mount



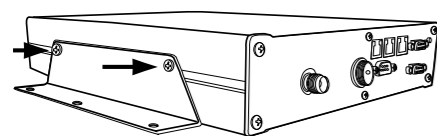
### B: Flush mount



### C: Locate mounting holes



### D: Screw bracket to RST100B



#### NOTE:

To ensure a secure installation:

1. Mount the RST100B on a clean, even surface
2. Clean the mount surface of the RST100B.
3. Use the correct type of screws (as supplied)
4. If mounting on wood, ensure wood is structurally sound.
5. Leave enough room around the RST100B to allow easy access to the rear panel.

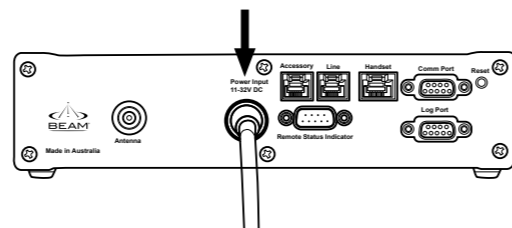
Do not install the unit in a permanently concealed area. Access must be possible in the event of future service.

## SETTING UP YOUR BEAM RST100B REMOTE TERMINAL

### 3 Connect the AC/DC Power

With LIVE power turned OFF, connect power jack to rear of RST100B.

Secure cable by tightening collar.

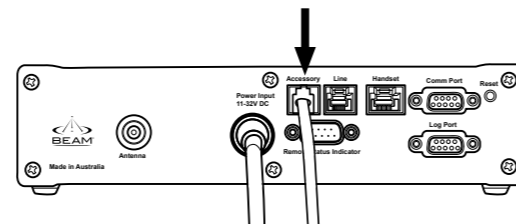


#### CAUTION:

DO NOT connect LIVE power to the battery until installation is complete.

### 4. Connect handset (optional)

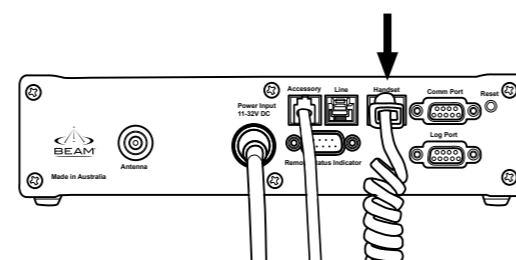
Connect a telephone handset, answering machine or cordless phone into the Line or Accessory socket. This socket supports a standard RJ11 plug.



#### Connect Intelligent Handset (optional)

Connect to the Iridium Intelligent Handset, if supplied, directly to the Handset socket of the RST100B.

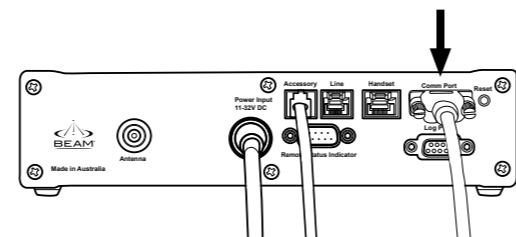
Only use the extension cables for this handset provided. Cables up to 30 metres in length are available from your Service Provider.



### 5. Connect a Laptop/PC

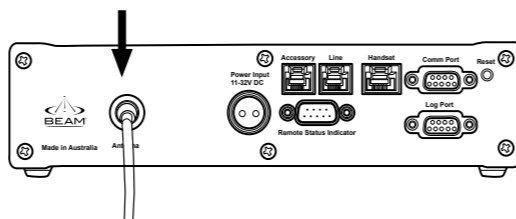
Plug the serial cable into the Comm Port of the RST100B.

NOTE: If no serial port is available, try using a USB-Serial connector (not supplied)



### 6. Connect antenna & cable

1. Plug the antenna cable into the antenna jack located on the rear panel of the RST100B, as shown below. Secure this cable by tightening the connector collar.
2. The specified cable being used must not exceed the Iridium 3dB maximum loss rating. This will ensure maximum performance of your RST100B. Refer to your Service Provider for full details or to purchase an approved cable. See: "Iridium Antenna Guide" or visit us at [www.beamcommunications.com](http://www.beamcommunications.com)



## 7. Power Up & Making a Call

When all previous 1 - 6 steps have been completed, confirm that the antenna is connected and the power loom active. Once power is connected, allow up to 3 mins for the LEDs to register with network.

To successfully make a call on the Iridium network, you need:

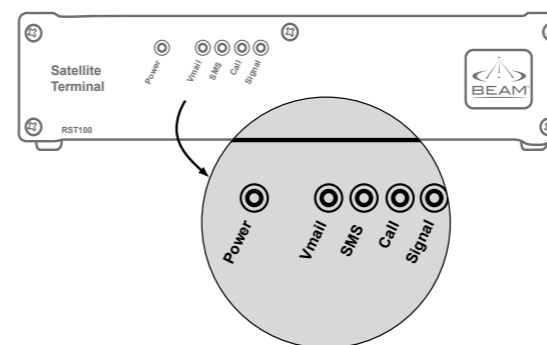
1. Dial tone on the telephone handset.
2. Call LED must shine green or orange continuously.

Continue to make your phone call as you normally use a traditional phonem noting any dialing prefix instructions advised by your service provider.

Once you have entered the phone number you will hear progress pips from the Iridium network. It can take up to 30 seconds for the Iridium network to connect a call, so a pause at this stage is not unusual.

You will shortly hear the called party end ringing, or hear a busy tone and voice message indicating why your call was not possible. When the other party answers the Call LED will change from steady orange to flashing orange, indicating 'call in progress'. This is normal operating procedure.

To end the call, hang up the handset. The Call LED light will then turn off.



#### LEDs

Power LED:	flashes during self-diagnosis then illuminates a steady green.
Vmail/SMS LEDs:	flashes to indicate message(s) are waiting in your voice mailbox to be retrieved. This service is subject to network support and not available from all providers.
Call LED:	Varies with status of call, which can be: In Call Waiting to connect, or Incoming call
Signal LED:	indicates strength of Iridium signal at your location.

RST100B Signal LED	Handset tone	Action required
Flashing Red LED	Distinctive dial tone: two tones of equal length	Enter four digit SIM PIN and await a change of tone (up to 10 seconds), then hang up. When successful the phone will register and proceed with normal use
Flashing Red LED	Distinctive sial tone: high tone is longer than low tone	Enter the PUK code, await a change of tone (up to ten seconds) and hang up. When successful the phone will register and proceed with normal use
Constant LED	Normal dial tone	No action required

If any problems, try the following:

1. Repeat these instructions to ensure everything has been completed.
2. Is there power to the unit? Check all connections and fuses.
3. Is the SIM card active? If no, refer to your Service Provider
4. If the antenna signal is not strong you will need to move location to access better coverage and re-test.

For additional troubleshooting refer to your manual or visit us:

[www.beamcommunications.com](http://www.beamcommunications.com)

### RST100B Optional Accessories

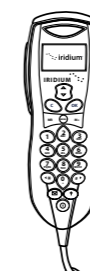
RST700 - Beam Mast  
GPS Antenna Active



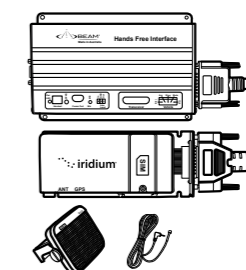
RST710 - Iridium Beam  
Mast/Pole Antenna



RST970 - Intelligent Handset



Handsets Kit



RST060 - Beam GoalZERO UPS Battery Pack

