

In-vehicle Telephone



Remote Satellite Terminal RST100

The Beam Remote Satellite Terminal provides remote locations with global telecommunications access via the Iridium satellite network.

The Remote Satellite Terminal RST100 is a highly featured communications terminal providing intelligent voice, data and messaging communications.

Market Applications

The RST100 is designed for all remote communications applications for mobile or fixed use. These markets include Maritime, Transport, Defence, Emergency Services, Mining, Construction, and Rural Communities and the like.

RJ-11 / PSTN Emulation

The RST100 provides an intelligent RJ11/POTS interface emulating features of a PSTN (Public Telephone Service). The unit is equipped to provide selectable line voltages and currents for ring and service tones, along with off-hook detection.

The Beam RST100 supports long runs of standard copper telephone wire and multiple extensions can be connected to the terminal over distances up to 1000 metres.

SMS POTS Support

The Beam Remote Satellite Terminal allows the use of an SMS POTS handset. SMS POTS is a new feature that enables selected standard type telephone handsets to support SMS functionality previously only available on more expensive Intelligent Type handsets. The specialised handsets connect to the RST100's RJ11 connector and enable SMS messages to be sent, received and stored in the same way as a cellular phone operates. Cordless and corded options are available.

PBX / In-building Integration

The Remote Satellite Terminal can be easily integrated into a PBX system using the RJ11 connectivity. This enables calls to be made or received from any extension within a building via the satellite network.

In-building integration is ideal for lower costs satellite to satellite calling as well as emergency backup to the PSTN networks

Ship Security Alert System (SSAS)

The RST100 is capable of supporting the Beam TrackALERT interface, and together they are fully compliant for the Solas Regulations.

Key Features

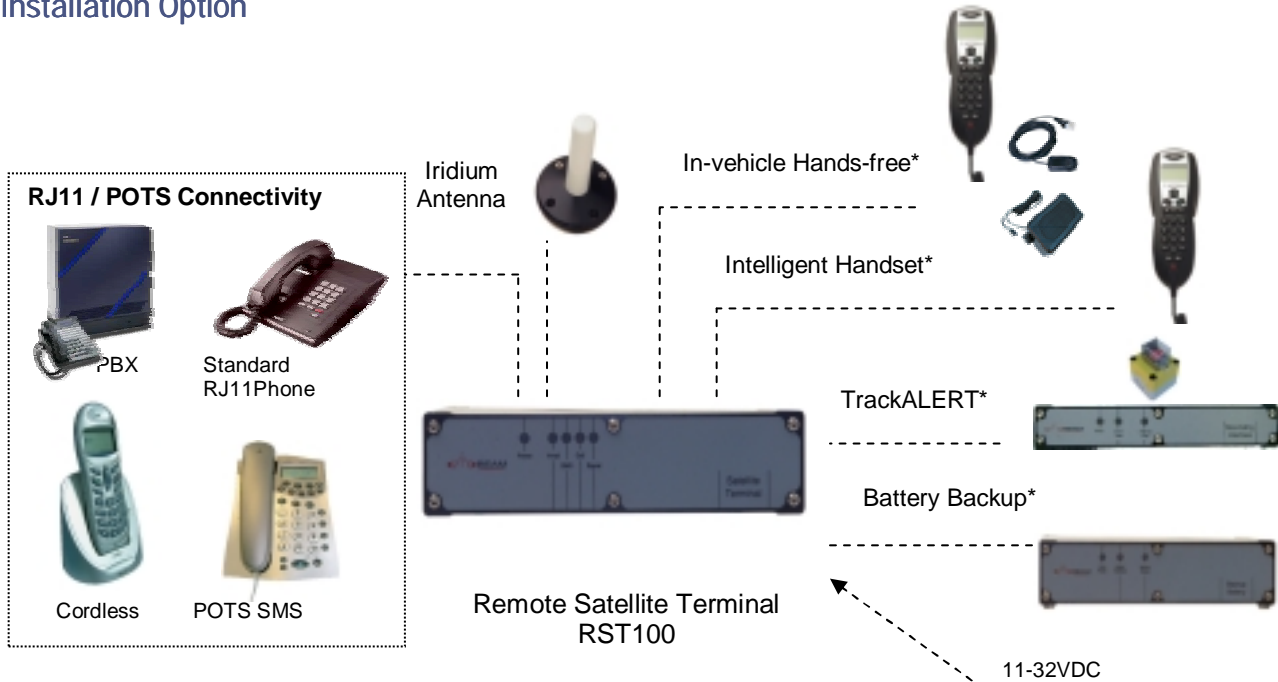
- Connect to PBX / Standard Phones
- Iridium Voice & Data Services
- SMS / SMSMO, SMS POTS Capable
- Voice Mail, Crew Calling
- Ship Security Alert System, Capable
- Tracking & Monitoring Capable
- Intelligent Processor & Interface
- Line Reversal for Pay phone use
- Supports Intelligent Handsets
- Local and Remote Configuration
- External Ringer available
- Supports Back up Battery / Solar
- Incorporates Call Logging
- Phone Number Processing
- Optional In-Vehicle Hands-Free Kit

Installation

The RST100 can be deployed for various applications. Selecting an appropriate antenna and antenna cable for the installation is very important for optimum performance. Mounting brackets, configuration CD and a 110/240 AC/DC plug pack is included with the terminal.

The RST100 provides great flexibility for various installations. The RJ11 socket will support 3 REN, which allows long distances of standard telephone wire to be run. This minimizes the need for long antenna cable runs in most installations. When using the Intelligent handset consideration must be given to the proximity to the terminal as this distance is limited to the handset cable length.

Installation Option



*Denotes Optional Accessories Available

Physical	
Size L x W X H	225 x 271 x 45mm
Weight	1.5Kg
Shipping Weight	2.25Kg
Operating Temp	0°C to +50°C
Storage Temp	-30°C to +70°C
Operating Humidity	85% non-condensing

Includes	
RST 100 Terminal	
International AC/DC Plug Pack	
Mount Brackets	
Install CD	
RJ11 / PBX Connection	
Installation Manuals & User Instructions	