

SeaCAPTAIN

Beam SeaCAPTAIN is a bundled pack that provides a complete solution ready for Installation.



The pack includes the Intelligent Beam RST100 Remote Satellite Terminal, antenna, antenna cable, Captain's Handset along with a POTS/RJ11 crew telephone handset.

Remote Satellite Terminal

The Remote Satellite Terminal RST100 is a highly featured communications terminal providing intelligent voice, data and messaging communications. Supporting all Iridium voice & data services is perfect for any installation.

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 dial, busy and ring 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.

Intelligent Handset Interface

The Intelligent Captains Handset provides voice and SMS communications. The handset is compact, lightweight, easy to install and comes complete with hang-up cup.

The handset has a built in ringer, supports full SMS functionality as well as an easy menu system to access phone settings.



Global Communications

Voice Services

The RST100 terminal will allow the use of an Intelligent Handset and the use of standard phone equipment through its intelligent RJ11 connectivity. This means that standard cordless, corded or PBX systems can be integrated for voice communications on this terminal.

- Standard RJ11 Handset Voice Calls
- Intelligent Handset Voice Calls
- Crew Calling
- Post Paid / Pre-paid Calls

Data Services

All Beam terminals support all of the Iridium Data services available. This then provides a flexible means by which to communicate using one or more of the following protocols:

- Dial-Up Data Service
- Direct Internet Data 10-12 Kbps
- Short Message Service (SMS)
- Short Burst Data (Selected Providers)



Commercial Fishing

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
- Phone Number Processing
- Line Reversal for Pay phone use
- Secure SIM Card Enclosure
- Supports Intelligent Handsets
- Remote or Local Master Reset
- Local and Remote Configuration
- External Ringer available
- Supports Back up Battery / Solar
- Incorporates Call Logging
- Optional In-Vehicle Hands-Free Kit
- Fully Certified



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 connected to the PBX.

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

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Power Inputs / Backup Battery

Beam terminals support 11-32V DC power input. An AC plug-pack is supplied with all terminals, which makes it easy to connect to mains or DC power.

Alert / Tracking Interface

The RST100 is capable of supporting the optional Beam TrackALERT interface. This will support deployment for tracking, monitoring and emergency alert installations. The TrackALERT interfaces are available with inbuilt or external GPS receivers.

Ship Security Alert System (SSAS)

The RST100 when used with the optional Beam TrackALERT interface is fully compliant for the Solas Regulations.

Phone Number Processing

The RJ11 port is capable of being programmed to pre-empt such dialing codes as the international access of "00" country codes and or area codes.

The intelligent number processing is ideal for various applications to enable ease use by any user. It is also possible to enable the programming of direct Emergency Number Numbers and short code voicemail box numbers as required.

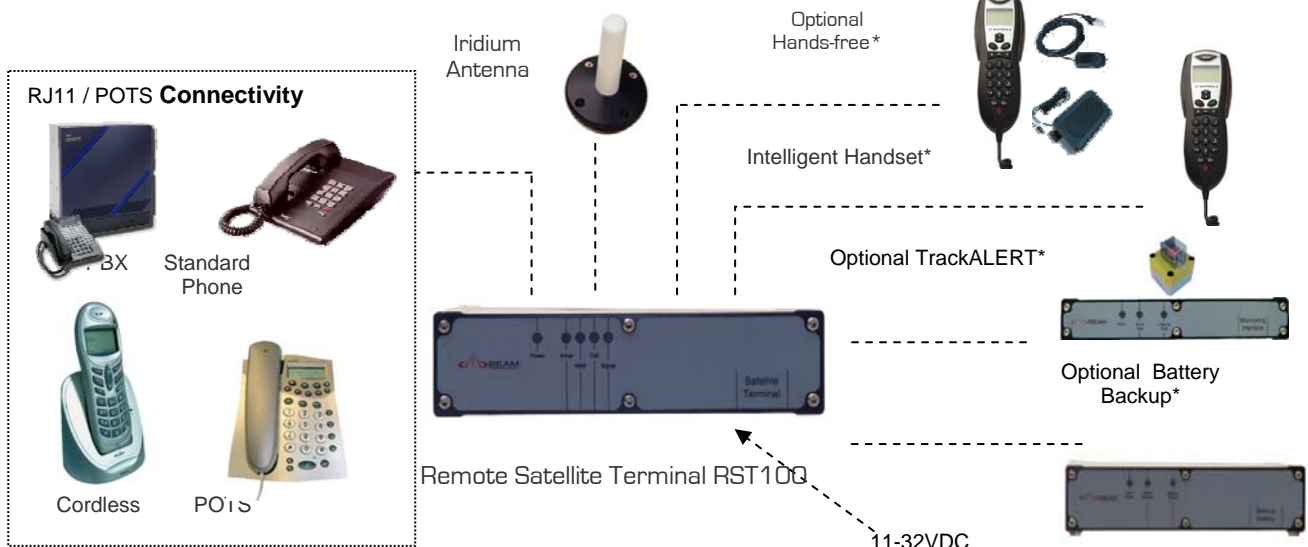
Installation

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.

Installation Overview



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.

The Intelligent processor inside the TrackALERT interface enables the terminal to be configured remotely or locally. Locally it can be simply configured with a PC using the Beam Management System (BMS) software supplied with the TrackALERT terminal.

Whilst using the BMS is the most simple, it is also possible to configure most of the fields by sending commands to the terminal using either SMS.



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Specifications

Function	Specification	
Power		
Input Power	11 - 32V DC	
Visual Indication		
Power	LED Front Panel	
Call	LED Front Panel	
Signal	LED Front Panel	
SMS	LED Front Panel	
Voicemail	LED Front Panel	
Dimensions		
Length	225 mm	
Width	271 mm	
Height	45 mm	
Weight	2.25kg	
Temperature		
Operating	0C to +50C	
Storage	-30C to +70C	
Humidity	<85%non condensing	
Power Consumption	12 v	24 v
Standby	0.35	0.16A
Transmit	0.51A	0.25A
Standby *	0.47A	0.22A
Transmit *	0.59A	0.29A
* With Intelligent Handset		