Land Solutions
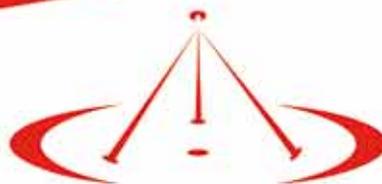
Sea Solutions

Air Solutions

RemoteSAT
RST100

Voice RJ11 Data Tracking

BEAM

RemoteSAT
RST100

▶ **RJ11/POTS Connectivity**

▶ **Voice/Data/FAX/SMS**

▶ **Local & Remote Configuration**

Satellite Terminal

RST 100

The Beam RST100 is a single-channel intelligent voice and data communication terminal. For use inside a building, motor home, boat, vessel or a fixed site location providing easy satellite communication, utilizing the latest Iridium satellite transceiver, the 9522B.

Voice communications are accessible via the intelligent RJ11/POTS (Plain Old Telephone System) port for using up to 3 standard cordless or corded telephone handsets or for integrating with a PBX system enabling easy access from any handset connected to the PBX.

The optional compact Intelligent Handset with hang up cradle, SMS and phone book features can be used for voice calls. This handset is commonly used in conjunction with standard phone equipment.

The RST100 has an intelligent processor on board for managing an advanced RJ11 port, supporting abbreviated dialling, auto-dial, speed dial, call barring, call logging as well as configurable dial, ring and busy tones that can be set to country specific tones.

Internet, Fax and all the Iridium Data services are supported via the data port on the RST100 RemoteSAT terminal.

Captain & Crew Calling

Connection to PBX System

In-building satellite communications

Emergency Services

BEAM

KEY FEATURES

RJ11 / POTS Connectivity

The RJ11/POTS interface emulates PSTN (Public Telephone Service) features and is equipped with off-hook detection, configurable Ring, Busy & Dial service tones.

9522B Iridium Satellite Transceiver

The RST100 uses the lastest Iridium 9522B transceiver inside the terminal to acccess the satellite network.

Support Intelligent Compact handset

The RST100 supports an optional Intelligent Handset for voice calls as well as utilizing the Iridium SMS service. The handset is compact and provides easy access to network status, phonebook and SMS.

Supports Standard Phones

Voice services can be easily accessed anywhere on earth using a standard telephone handsets. This means voice communications can be easily accessed using standard Corded, Cordless, DECT or PBX systems.

Connect to PABX

Use of the intelligent RJ11 interface enables the easy integration with a PBX system allowing for multiple user access to satellite calls from any handset connected to a PBX.

Phone Number Processing

The intelligent number processing is ideal for various applications. Call barring and restricted dialling within certain countries or area codes can also be configured if required. Abbreviated & Speed Dialling is also supported on the terminal.

Voice/DATA/FAX/SMS

The complete range of Iridium data services allows you to simply and conveniently gain access to Internet, Email, and corporate LAN.

Intelligent Proccessor & Interface

The Intelligent processor enables the terminal to be configured remotely or locally. Locally it can be configured with a PC using the Beam Management System (BMS) software supplied with the TrackALERT terminal.
It is also possible to configure and check status of the unit remotely by sending commands to the terminal using SMS.

External Ringer/Alert

The RST952 ringer/call alert connects simply to the RJ11 port of the terminal and provides an amplified alert with volume, pitch controls as well as an on/off button.

Supports Back up Battery

The use of an RST050 Beam Battery Back-up is an ideal accessory where guaranteed communication is required, providing 24-hours standby/2-hours talk time.

Fully Approved

The RST100 is a fully approved product by Iridium Communications Inc.

Fully Certified

Corrosion / vibration / RoHS
C, CE, FCC, IEC160945

Power Input

The RST100 support an 11-32V DC power input. AC/DC power cable is supplied along with an AC 110/240 plug-pack (requires country specific monitor cable) which makes it easy to connect to mains or DC power.

RJ11/POTS

Handsfree (Optional)

Data

Voice

Tracking

TECHNICAL SPECIFICATIONS

POWER SPECIFICATIONS		
Power input voltage	11 - 32 V DC	
Power Consumption (AMPS)	12 V DC	24 V DC
Stand-by	0.35	0.16
Transmit	0.51	0.25
Stand-by - inc handset	0.47	0.22
Transmit - inc handset	0.59	0.29

ENVIRONMENT SPECIFICATIONS		
Temperature	Degrees °C	Degrees °F
Operating Range	-15 to +55	+5 to +131
Storage	-30 to +70	-22 to 158
Humidity	93% non condensing	
Vibration	2 Hz - 13.2 Hz & 13.2 Hx - 100 hz	
Corrosion	40 °C with 90% - 95% relative humidity after 2h salt spray	

CONNECTORS/INTERFACES	
Intelligent Handset	RJ45 DPL BUS
Telephone / POTS	RJ-11 2 -wire / TN12 or 600?
Data Port	RS232 Serial Interface
Log Port	RS232 Serial Interface
Power	2 Pin screw type

LED/DISPLAY	
Power	Green
Signal	3 Colour
Call	Yellow
Voicemail	Green

PHYSICAL SPECIFICATIONS	UNIT ONLY	PACKED
Dimensions - mm	225 x 277 x 53	400 x 325 x 90
Dimensions - inches	8.8 x 10.6 x 1.2	15.7 x 12.8 x 3.5
Weight - kg	2.25	3.25
Weight - lbs	4.9	7.1

CERTIFICATIONS
IEC60945
Germanischer Lloyd
American bureau of Shipping
Electrical Safety
EMC Compliance
C tick
CE Compliance

KIT CONTENTS
RST100 Main terminal
Mounting Brackets
AC 110/240V Plug Pack
DC 1.5m Power Cable
Data Cable
User & Installation Manual

ACCESSORIES

RST970	Intelligent Iridium handset
RST030	TrackALERT Terminal (In-built GPS)
RST050	Battery back-up - 24 hours standby
RST973	In-vehicle handsfree kit
RST932	6m Iridium antenna cable
RST933	12m Iridium antenna cable

RST702	Iridium/GPS dual mode mast antenna
RST705	Iridium/GPS dual mode magnetic mount antenna (incl. 6m cable for GPS & Iridium)
RST710	Mast antenna
RST715	Magnetic mount antenna (incl. 5m cable)
RST720	Bolt mount antenna (incl. 5m cable)

APPROVED BEAM RESELLER

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