

RemoteSAT RST100B

LAND Solutions

SEA Solutions





The Beam RST100B 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, utilising the latest Iridium satellite transceiver, the 9522B.

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

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 RST100B has an intelligent processor on board for managing an advanced RJ11 port, supporting abbreviated dialing, 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 RST100B RemoteSAT terminal.

KEY FEATURES

- High quality robust design
- POTS/RJ11 Connectivity
- 9522B Iridium Satellite Transceiver
- Supports Intelligent Compact handset
- Supports Standard Phones
- Connect to PABX
- Phone Number Processing
- Voice, SMS, SBD and Circuit Switched Data capable
- Intelligent Processor & Interface
- External Ringer/Alert
- 11-32V DC power input
- AC Plug pack included 110/240 input
- Basic SMS support via laptop and RST100B management system
- Various marine, vehicular or fixed site antenna options available
- 12 month repair or replacement warranty



data



voice



pots/rj11



pabx
integration



intelligent
handset



sim



serial

Technical Specifications

POWER SPECIFICATIONS		
Power input voltage	11 - 32 V DC	
Power Consumption (AMPS)	12 V DC	24 V DC
Standby	0.350A	0.165A
Talk/Transmit	0.515A	0.255A
Standby - inc handset	0.47A	0.22A
Transmit - inc handset	0.59A	0.29A

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 ohm
Data Port	RS232 Serial Interface
Log Port	RS232 Serial Interface
Power	2 Pin screw type
LEDs	Power, Voicemail, SMS, Call & Signal

PHYSICAL SPECIFICATIONS		
Dimensions	mm	inches
Unit	225 x 277 x 53	8.9 x 10.9 x 2.1
Box	400 x 325 x 90	15.7 x 12.8 x 3.5
Weight	kgs	lbs
Unit	2.25	4.9
Box	3.25	7.1

CERTIFICATIONS
EMC Compliance
American bureau of Shipping
Germanischer Lloyd
IEC60945
Iridium
CE Compliance
Electrical Safety
C-Tick

KIT CONTENTS
RST100B Terminal
Mounting Brackets
Data Cable
110-240V AC Plug Pack
DC 1.5m Power Cable
CD - Beam Management System, AT Commands, Manuals
User & Installation Manual

Accessories

RST970	Intelligent Iridium handset
RST740	Iridium Active Antenna
RST710	Mast/Pole Antenna
RST714	Whip Antenna
CVTIRI	Iridium Covert Antenna
RST932	Iridium Antenna Cable Kit Passive - 6m/19.7ft
RST933	Iridium Antenna Cable Kit Passive 12m/39.4ft

RST935	Iridium Antenna Cable Kit Passive 20m/65.6ft
RST936	Iridium Antenna Cable Kit Passive 30m/98ft
RST944	Iridium Active Cable Kit 23m/75.5ft
RST945	Iridium Active Cable Kit 34m/111.5ft
RST946	Iridium Active Cable Kit 52m/170.6ft
RST947	Iridium Active Cable Kit 75m/246.1ft
RST948	Iridium Active Cable Kit 104m/341.21ft

