



Land Solutions

Sea Solutions

Air Solutions



# RapidSAT

## RST625



Voice



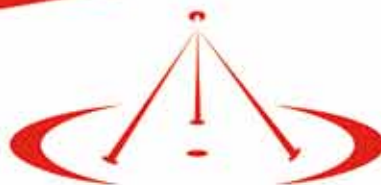
Data



Handsfree



GPS



**BEAM**

# RapidSAT

**RST625**

- ▶ **Handsfree**
- ▶ **Voice/Data/Internet/FAX/SMS**
- ▶ **Communication System Inegration**



The Beam RapidSAT is a rapidly deployable Satellite Telephone that provides a compact battery backed hands-free voice and data solution.

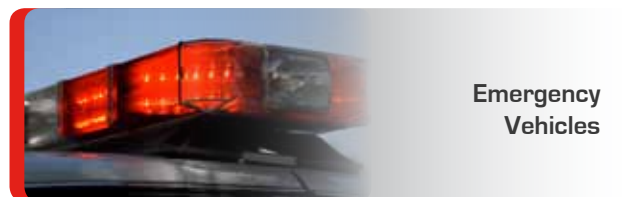
The flexibility of the RapidSAT enables the unit to be easily transported between various vehicles, boats, machinery or aircraft and simply connects to the vehicle's DC power source for in vehicle use or alternatively the battery back-up for away from vehicle use.

RapidSAT is ideal for short term use or applications where many people may need to access satellite communication for rapid deployment.

The kit is designed to support full hands-free voice calls, as well as private calls using the compact intelligent handset. Data services can also be accessed easily using the data port located on the front panel of the terminal.

The system has been purpose built, securely located within a "Storm" ruggedized case and comes complete with DC charging lead, AC plug pack and a magnetic mount antenna with 5 metres of cable attached.

The unit can be powered by a constant 10-32V input directly and the AC plug pack will charge the rechargeable battery pack.



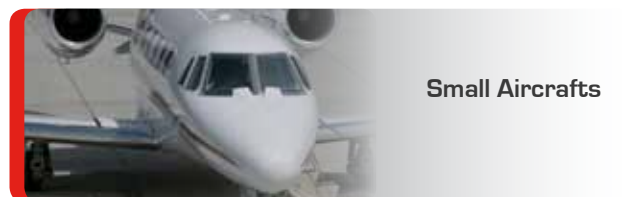
**Emergency Vehicles**



**Heavy Trucks**



**Cruise Ships**



**Small Aircrafts**

## KEY FEATURES

### ▶ Voice/Data/Internet/SMS/Fax

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

The terminal also supports SMS and the following Iridium Data Services;

- Circuit Switched Data
- Direct Internet
- RUDICS
- Short Burst Data

### ▶ Private or Handsfree mode

Hands-free operation allows for quality integration into a vehicle/vessel/aircraft with easy access to making and receiving calls in a hands-free mode, it also allows the use for privacy mode.

### ▶ Compact Intelligent Handset

The handset supports voice calls as well as utilizing the Iridium SMS service. The handset is compact and includes an inbuilt ring alert. The handset also enables a private conversation, when the handset is taken out of the cup (cradle).

### ▶ Convenient Serial Data Port

The RST625 case also offers an RS232 (via a DB9 connector) data port. The datamodem AT port is Hayes compatible, and enables up to 2400bps data transfer.

### ▶ Echo Cancellation

The complete range of Iridium data services are accessible using the 9522B and allows you to simply and conveniently access the following services via AT Commands.

### ▶ Full Duplex and Superior Voice Quality

Support features such as horn alert, radio mute, data connectivity and allow the use of a compact intelligent user handset in privacy mode.

### ▶ 10 - 32V DC Power Input

The RST625 terminal supports a 10 - 32V DC power input

### ▶ Auxiliary & constant power

The unit is equipped with intelligent power off features. The unit has the option of powering up on accessory power in emergency applications with a rechargeable battery pack back-up.



Voice



Data



Handsfree

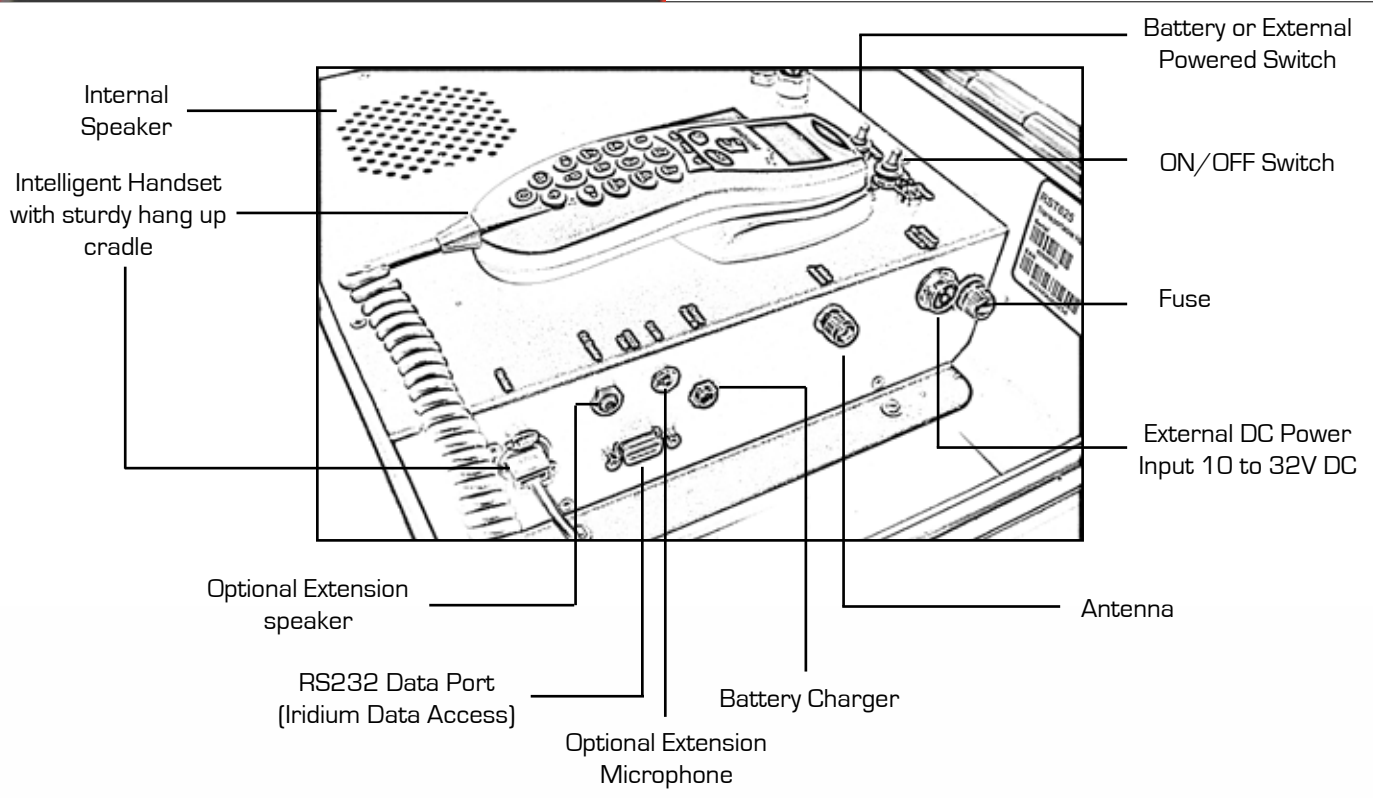


GPS



Specialized

## CONNECTIONS



## TECHNICAL SPECIFICATIONS

### POWER SPECIFICATIONS

Power input voltage	10 - 32V DC	
Power Consumption [ AMPS ]	12 V DC	24 V DC
Stand-by - inc handset	0.47A	0.15A
Transmit - inc handset	0.54A	0.24A

### ENVIRONMENT SPECIFICATIONS

Temperature	Degrees °C	Degrees °F
Operating Range	-15 to +55	+5 to +131
Storage	-30 to +70	-22 to +158
Humidity	<85% non condensing	

### RF INTERFACE (L-BAND TRANSCEIVER)

Frequency Range	1616MHz to 1625.5MHz	
Average Power	7W during a transmit slot (max) 0.6W during a frame (typical)	
Receiver Sensitivity	-118.5 dBm at 50W (typical)	
Receiver spurious rejection at offsets >1MHz (typical)	60 DB	
Duplexing method	TDD (Time Domain Duplex)	
Oscillator stability	± 1.5ppm	
Input/Output impedance	50 OHMS	
Multiplexing method	TDMA/FDMA	

### HANDSET

Voltage	+12V DC
Audio	Line Level
Digital Control	115Kbps RS232

### PHYSICAL SPECIFICATIONS

Weight	8kg (including antenna, handset, plug pack)
Dimensions	411L x 323W x 168H mm

### CERTIFICATIONS

EMC compliance	C-Tick
Safety	A-Tick

### KIT CONTENTS

RST625 Integrated case system
RST970 Intelligent DPL handset (with hang up cup/cradle)
Magnetic mount antenna with 5m cable
DC power cable to cigarette lighter plug
AC/DC 45W power-pack for AC powering
AC/DC power-pack (wall wort) for battery charging
AC power cable IEX320 to Australian 3-pin
Socket wrench for SIM card panel access
RST625 User manual
1 lightweight 60Whr Li-polimer battery bank (fitted to lid)
Extension cable it for the Intelligent DPL Handset (2m)

## ACCESSORIES

RST710	Mast Mount Antenna
RST714	Iridium WHIP Antenna (incl 5m cable)
RST720	Bolt Mount Antenna (incl 5m cable)
RST932	6m Iridium Antenna Cable

RST933	12m Iridium Antenna Cable
RST026	Speaker & Microphone Kit (Handsfree)
RST972	30m Handset Extension Cable
RST972S	15m Handset Extension Cable

APPROVED BEAM RESELLER



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