

RapidSAT - RST625 Transportable



The Beam RapidSAT Satellite Telephone provides a rapidly deployable complete hands-free voice and data satellite telephone for any emergency or temporary communications application.

The kit comes complete with hands-free capability for in-vehicle use and can be easily connected to the vehicles power source.

The use of satellite communications to support emergency applications is rapidly increasing and the ability to have one service that guarantees you access anywhere on earth is what's most important.

RapidSAT provides a key solutions for;

- Disaster Recovery,
- Emergency Services
- Temporary Vehicle Installations
- Back-up communications

Iridium Satellite System

Iridium is the only provider of truly global satellite voice and data solutions with complete coverage of the earth. Iridium delivers essential communications services to and from remote areas where no other form of communication is available.

The Iridium system is the largest fully meshed satellite network constellation in the world and consists of 66 low-earth orbiting (LEO), cross-linked satellites and has multiple in-orbit spares

Total Peace of Mind

The peace of mind to be able to access communication services anywhere, anytime is what makes the Iridium suite of services so unique. These services include;

- World Voice Communications
- Internet & Email Access
- Messaging
- Tracking & Monitoring

Ease of Use

The Beam equipment provides the ability for various installation options making it very simple to install and to use the satellite system. The convenience of having an easy to use handset or alternatively in hands-free mode makes it ideal and safe for use in various applications.

World Voice Services

The Iridium system provides truly global voice services by covering areas that cellular and landline do not. The excellent signal strength provided by the Iridium constellation supports reliable connectivity across wide ranging landscapes and situations.

World Internet & Data

Using Iridium Data Services you now have access to the world from anywhere on earth. 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 the following Iridium Data Services;

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

Messaging Service

The Iridium SMS can send and receive messages of up to 160 alphanumeric characters, in a single message. The service operates in the same way as a generic SMS service does providing;

- Two-way global text messaging
- Send to and from other Iridium subscribers
- Send to and from cellular subscribers (Selected Providers)
- and receive from email addresses.



Network Access Features

- Global coverage –pole to pole
- Low cost airtime rates
- No regions or zones
- Crew calling service
- Pre or post paid
- Itemised billing
- Support all data services
- Support all Voice services

Terminal Features

- Compact intelligent handset
- Sturdy hang-up cradle
- Compact Installation
- Convenient serial data port
- Private or Hands-free mode
- Echo Cancellation
- Superior voice quality
- 10-32V DC power input
- SMS / SMSMO
- Tracking & Monitoring Capable
- Intelligent Processor & Interface
- Support external ringer/light
- Auxiliary & constant power
- Fully Certified
- Easy to install

Intelligent Handset Interface

The RST625 Fixed Satellite Telephone comes complete with an Intelligent Handset for voice calls as well as utilizing the Iridium SMS service.

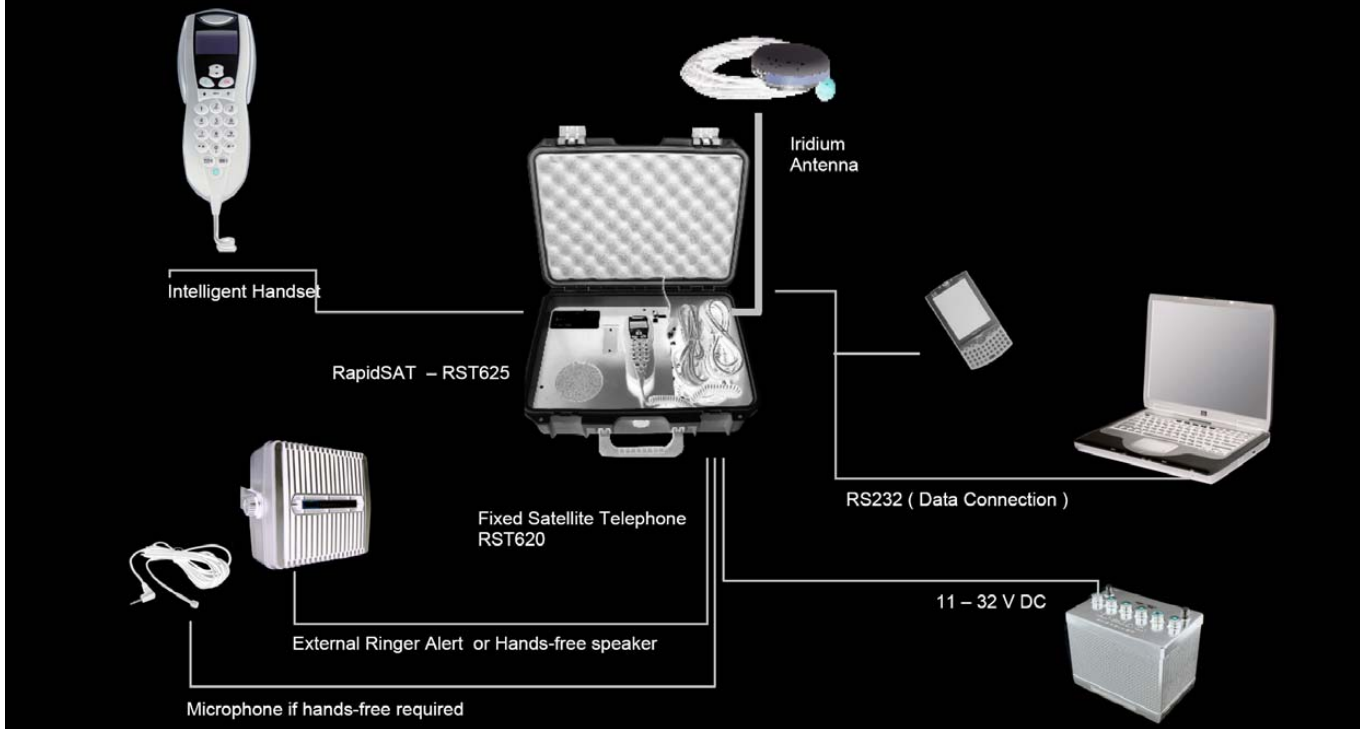
The handset is compact and includes an inbuilt ring alert as well as providing for private conversations in place of hands-free mode.



Power Inputs / Backup Battery

The RST625 terminal supports a 10-32V DC power input and the terminal is capable of being wired to an auxiliary/accessory power supply as well as constant power.

Installation Options



Technical Specifications

Iridium Network	
L-Band transceiver frequency	1616 - 1625 MHz
Compressed Data	2.4 kbps
Voice / data modulation	10 - 12 kbps

RST620 - Fixed Satellite Telephone	
Power Specifications	
Power input voltage	11 - 32 V DC
Power Consumption (AMPS)	12 V DC 24 V DC
Stand-by - inc handset	0.33 0.14
Transmit - inc handset	0.63 0.23
Included Battery Back up	
Li Polymer Battery	Stand By Talk Time
	12 hours 9 hours
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
Connectors / Interfaces / LEDs	
Transceiver	D25
Intelligent Handset	RJ45 DPL BUS
Data Port	RS232 Serial Interface
Speaker	3.5mm mono
Microphone	2.5mm mono
Kit Contents	
Fixed Satellite Telephone, including Antenna, 5m cable & HHandset	
Hands-free & power interface	
Cable assemblies: DC cables, interface cables	
Storm Case & Data Cable	
Li Polymer 60Whr Battery	
User & Installation Manual	
CD - Beam Management System, AT Commands, Manuals	

Satellite Constellation	
Intersatellite Links	23.18-23.38 GHz, Ka-band
Ground Segment Links	
Downlinks	19.4-19.6 GHz, Ka-band
Uplinks	29.1-29.3 GHz, Ka-band

Physical Specifications	
Dimensions - mm	Complete 462x340.6x170
Dimensions - inches	18.1x13.3x6.7
Weight - kg	5kg
Weight - lbs	11.02

Certifications	
ACA / FCC	
Electrical Safety	
EMC Compliance	
Independent Aeronautical certification MUST be gained prior to installation	

Connectors / Interfaces / LEDs	
Constant power	Screw connector
Auxiliary power	Screw connector
Speaker	DIN
Mic	Din

Accessories	
Mast mount antenna	RST910
Bolt Mount Antenna	RST920
6 m / 18 f Antenna cable	RST932
9 m / 27 f Antenna cable	RST930
12 m / 36 f Antenna cable	RST933
SSAS / TrackALERT	RST030S