Land Solutions

Sea Solutions

Air Solutions

BEAM

Made in Australia

Hands Free Int

TranSAT
Fixed Satellite Telephone

RST620

Voice

Data

SBD
Short Burst Data

Handsfree

BEAM

TranSAT

RST620

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

The Beam TranSAT Fixed Satellite Telephone provides a complete hands-free voice and telephone for a wide range of mobile and fixed site applications where easy access to reliable voice and data communications is required.

The terminal provides a compact fully functioned user handset and supports both hands-free and privacy modes of operation, automatically switching between either mode with the handset in or out of the cradle.

The system can also be used as a permanent non hands-free solution simply by not connecting the microphone. The loud ring indication through the speaker system makes it an ideal installation in a noisy environment.

The RST620 is equipped with an RS232 serial data port to access Iridium data services
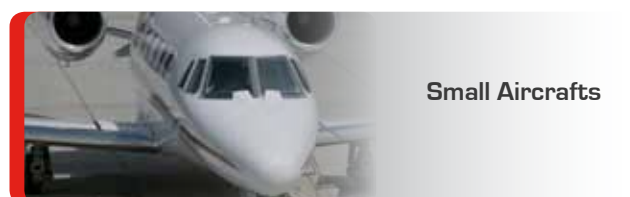
Emergency Vehicles

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 compact Intelligent Handset provides easy access to make and receive calls, access phone book and SMS as well as switching between handsfree and privacy mode.

▶ **Echo Cancellation / Full duplex**
Latest echo cancellation technology is deployed on TranSAT to enhance handsfree voice quality.

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

▶ **11-32V DC Power Input**
The DC power input and terminal is capable of being wired to an auxiliary/accessory power supply as well as constant power.

▶ **Auxiliary & constant power**
The unit is equipped with intelligent power off features. Whereby the unit will turn off after minutes when ignition is off. The unit also has the option of powering up on accessory power in emergency applications.
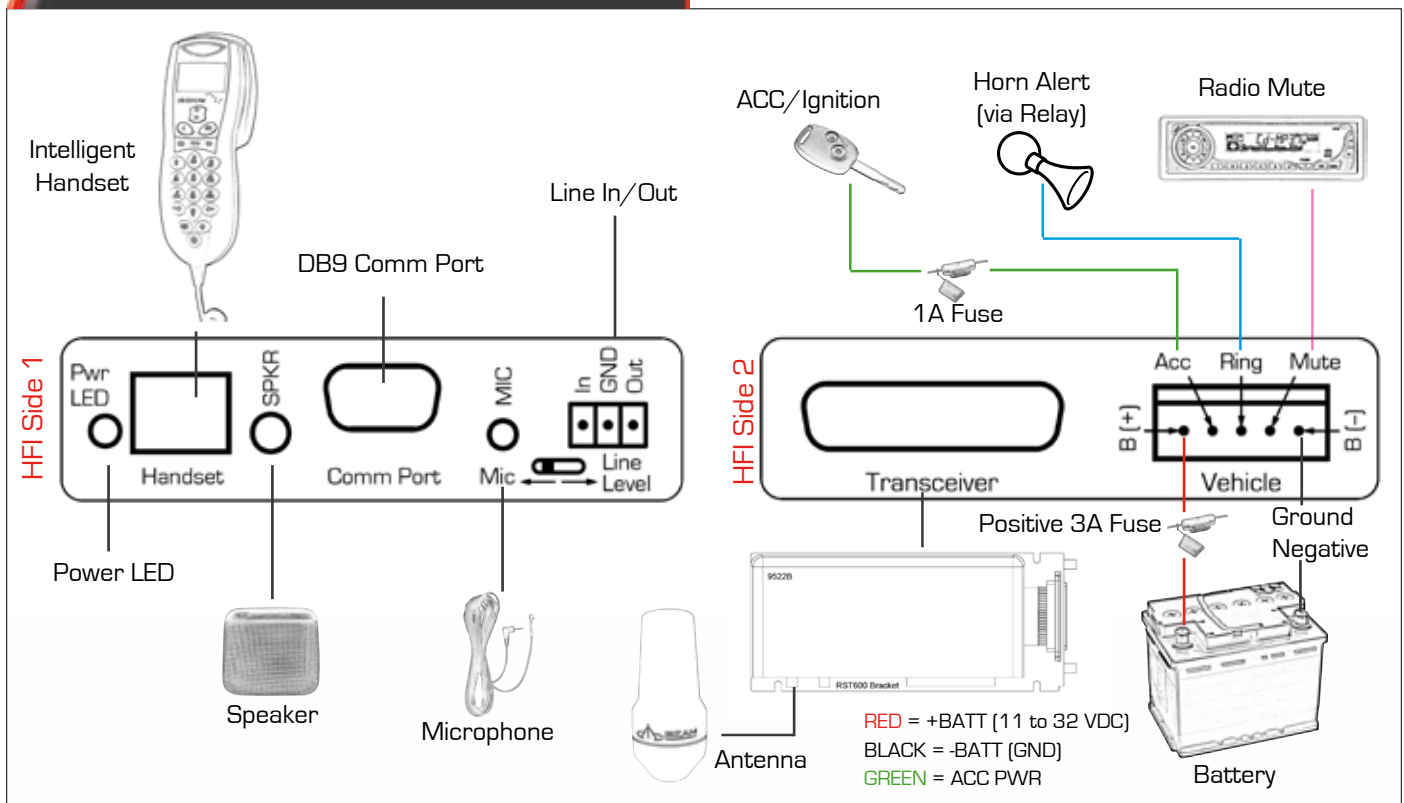
Voice   Data   Handsfree   Horn Alert

HFI CONNECTIONS

Intelligent Handset

Line In/Out

DB9 Comm Port

Power LED

Speaker

Microphone

Antenna

ACC/Ignition

Horn Alert (via Relay)

Radio Mute

1A Fuse

HFI Side 1

Pwr LED   SPKR   MIC   In GND Out
Handset   Comm Port   Mic   Line Level

HFI Side 2

Acc   Ring   Mute
B (+)   B (-)
Transceiver   Vehicle

Positive 3A Fuse

Ground Negative

9522B

RST600 Bracket

RED = +BATT (11 to 32 VDC)
BLACK = -BATT (GND)
GREEN = ACC PWR

Battery

TECHNICAL SPECIFICATIONS

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

ENVIRONMENT SPECIFICATIONS		
Temperature	**Degrees °C**	**Degrees °F**
Operating Range	-15 to +55	+5 to +131
Storage	-30 to +85	-22 to +185
Humidity	85% non condensing	

CONNECTORS/INTERFACES	
Transceiver	D25
Intelligent Handset	RJ45 DPL BUS
Data Port	RS232 Serial Interface
Speaker	3.5mm mono
Microphone	2.5mm mono
Constant power	Screw Connector
Auxiliary power	Screw Connector
Horn Alert	Screw Connector
Audio Mute	Screw Connector

PHYSICAL SPECIFICATIONS	LBT	Interface
Dimensions - mm	162.4 x 81.6x8	183 x 130 x 27
Dimensions - inches	38 x 3.16 x 1.1	7.2 x 5.1 x 1.0
Weight - kg	420	0.3
Weight - lbs	926	0.66

CERTIFICATIONS
IEC60945
Eelectrical Safety
EMC Compliance
HFI - AS/NZ 4601: 1999 - 3.3.4 & 3.3.5
Temperature/Humidity/Impact Vibration / Accelerated Aging
Independent Aeronautical certification MUST be gained prior to installation.

KIT CONTENTS
Iridium 9522B Transceiver module Main terminal
Iridum Intelligent Handset
Handsfree and power Interface
Cable assemblies: DC cables, interface cables
Mounting adhesive / velcro
Data cable
User & Installation manual

ACCESSORIES

RST710	Mast Mount Antenna
RST714	WHIP Antenna (incl 5m cable)
RST715	Magnetic Mount Antenna (incl 5m cable)
RST720	Bolt Mount Antenna (incl 5m cable)
RST932	6m / 19' Iridium Antenna Cable

RST933	12m / 36' Iridium Antenna Cable
RST972S	15m extension cable for Intelligent Handset
RST972	30m extension cable for Intelligent Handset
RST949	DPL Aplification cable to increase the headset volume for noisy environments

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