


Iridium RapidSAT LBT
 Quick Start Guide



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Using RapidSAT LBT

Initial Setup for RapidSAT LB

Power Up

Make sure that the antenna and power are connected. Turn on the power switch. A green LED will light up on the switch to indicate the power is on.

Making Calls

To make a call, dial the number on the Intelligent

Handset keypad.

The volume of the call can be adjusted using the

Intelligent Handset.

Receiving Calls

Incoming calls can be answered by pressing the green

key on the Intelligent Handset.

Terminating Calls

Press the red button on the Intelligent Handset to

terminate the call.

Power Down

To conserve the battery power turn off the power switch

after use. The green LED on the switch should be off.

Please note that once the power is off, the RapidSAT

cannot receive phone calls.

DC Power Adaptor

Plug the cigarette lighter adaptor into the cigarette plug in your vehicle. Plug the other end of the cable into the input power plug on Side B of the RapidSAT LBT bag.

Installing the SIM Card

The Iridium transceiver uses a SIM card (similar to mobile phone) which is installed inside the small removable black door. Insure the system is powered OFF before installing or removing the SIM card.

The access door is secured by the an allenkey screw. Please use the supplied allenkey wrench to access the

SIM card slot.

Antenna Installation

The included magnetic-mount patch antenna is stored in one of the end compartments. This can be conveniently connected to the TNC connector from the cradle - ready for fast deployment.

To make a call, unwind the antenna cable, and place

the patch antenna in maximum view of sky

(eg. vehicle roof top) for best call results.

Specification Summary

Electrical & Environmental Specifications

Power Specifications	
Power Input Voltage	10 - 32 V DC @ 4-1A
Power Consumption	12 V DC 24 V DC
Stand by	0.48 0.25
Transmit	0.68 0.35
When used with optional RST055 UPS Pack	
Standby time	Up to 20 hours
Talk time	Up to 12 hours
Physical Specifications	
Bag Dimensions	380 x 250 x 150 mm (L x W x D)
Antenna Cable Length	5m (16.4 feet)
Power Input Cable Length	1m (3.3 feet)
Weight	3.7kg* (68.15lbs)*
* Weight does not include Battery Pack	

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Environment Specifications

Environment Specifications	Degrees °C	Degrees °F
Operating Temperature #	-30 to +70	-22 to 158
Storage Temperature	-20 to +60	-4 to 140
Humidity	> 85% RH non-condensing	
Regulatory	Iridium, CE, RoHS	
EMC Compliance	IEC/EN60945 (9 & 10)	
Electrical Safety	IEC/EN/AS/NZ60950-1	



NOTE:

Specifications are subject to change without notice.

Equipment Overview

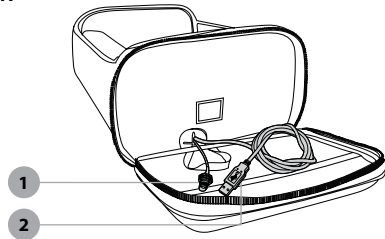
RapidSAT LBT Set Up

TOP

1. Removable Flip Cover with Lable Pocket and Zip Storage
2. Battery Pack Insert
3. Speaker
4. Intelligent Handset
5. Side A Additional Storage
6. Detachable Shoulder Carry Strap Link
7. Carry Bag with Handle
8. Battery Screw Lock
9. Side B Additional Storage
10. Sim Card Access Door
11. Microphone
12. Power ON/OFF
13. Lock



SIDE A



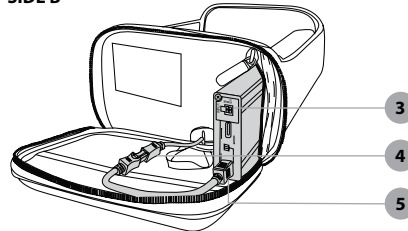
1. Antenna Connection
2. USB Connection



IMPORTANT:

The antenna should always be installed with clear line of site to the sky. Please refer to the Antenna Installation Guide at beamcommunications.com

SIDE B



3. UPS Pack Power Input
4. RapidSAT LBT Power Input
5. UPS Pack Power Output



IMPORTANT:

Without UPS Pack - connect power cable directly to the RapidSAT LBT power input plug.

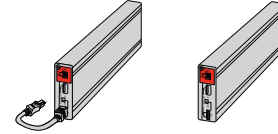
With UPS Pack - connect power to UPS Pack power output, to the RapidSAT LBT power input.

UPS Battery Pack Installation (RST055) - Optional

The RapidSAT LBT has the option to install a battery source, to provide long operation life.

To install the UPS Battery Pack:

1. Unpack the UPS Battery Pack, and disconnect any cables that may be plugged.



2. Unlock and Open the RapidSAT LBT cover.

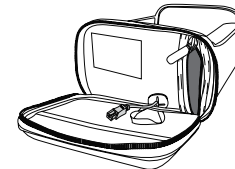
3. Click the Power ON/OFF rocker switch so that the LED tilted up.



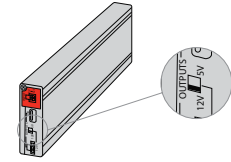
4. Unscrew the black locking screw then remove and keep nearby in a safe place.



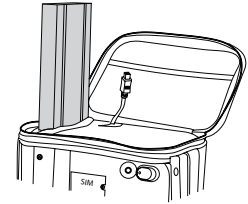
5. Unzip the Side B of the RapidSAT LBT bag. Unzip the battery compartment zip.



6. Before placing the UPS Pack in the compartment, ensure that the OUTPUTS switch is set to 12V.

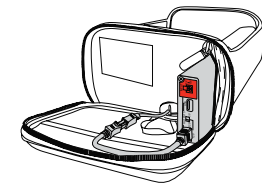


7. Carefully insert the UPS Pack with the front panel of the UPS Pack facing out.



8. Insert the black locking screw and ensure that the it is screwed in, in front of the UPS Pack.

9. Use the adaptor cable to connect the main output of UPS Pack to the RapidSAT LBT power input connector.



10. Carefully zip up the RapidSAT LBT Side B with the cables stored inside the pocket and the RapidSAT LBT now has power.