

# Iridium SHOUT ts



GPS



Tracking



Short Burst  
Data



USB



## KEY FEATURES

The **SHOUT ts** is a handheld, global, two-way satellite messaging and personal tracking device. It utilizes Iridium's short burst data (SBD) service to provide location information determined by a GPS receiver, two-way inbound and outbound status, text messaging, and emergency/alert notifications.

The **SHOUT ts** is designed with ultra-low power consumption electronics drawing less than 35µA during sleep. With an internal 1.95 A-Hr rechargeable Li-Ion battery, it can send a position report every hour for up to two months (about 1,500 reports). The **SHOUT ts** is equipped with a high resolution color touchscreen supporting transmission of free-text, canned messages and a combination of free-text and canned messages. Similar to a "smart" phone, the menu options are displayed as icons for quick access. The device can periodically wake up from sleep to send its position report to a command center.

The **SHOUT ts** offers a variety of services including:

- Normal Tracking — programmed to automatically wake up and send a position report
- Emergency Alert — sends alerts to a designated monitoring centre using a 911 button.
- Free-Text Messaging — sends free-text via four different sets of on-screen keyboards.
- Canned Text Messaging — sends canned (pre-defined) messages in short codes instead of the entire message body.
- Waypoint Tracking — sends and/or saves waypoints (interested landmarks) for later retrieval.
- Check-In — allows sending a quick check-in message using a single soft key.

- Low-cost tracker and messaging device
- Programmed commercial Iridium gateway
- Ultra-low power consumption
- Automatic location reports (>1500 reports)
- Guarded 911 alert switch
- High resolution touchscreen
- Free-text, canned messages or combined free-text and canned messages
- Data logging (waypoints and tracking reports)
- 256-bit AES encryption
- Real-time, pole-to-pole coverage
- Weighs ~7.2 ounces (204g)
- Measures 4.1" x 2.3" x 0.9" (104 x 58 x 23mm)
- Internal rechargeable battery using AC adapter, computer USB port or solar charger
- Integrated motion sensor
- USB interface
- 50-channel GPS receiver with -160 dBm sensitivity

## TECHNICAL SPECIFICATIONS

Model: Iridium SHOUT **ts**

MECHANICAL		
Dimensions	104 x 58 x 23 (mm)	4.1 x 2.3 x 0.9 (inches)
Weight	204g	7.2oz
I/O Interface	USB	
Cooling	Convection	
Enclosure	Hard-Anodized Aluminium	
ELECTRICAL		
Input Voltage Range	2.7VDC to 5.5VDC	
Input Nominal Voltage	4.0VDC	
Power consumption during standby	less than 35µA @ 5.0VDC	
Power Input Type	External DC power or internal battery	

IRIDIUM RF BOARD		
Operating Frequency	1616 to 1626.5 MHz	
Link Margin Downlink	13 dB average	
Link Margin Uplink	7 dB average	
Average Power Transmission	1.0W	
GPS RECEIVER		
Receiver Type	1575.42 MHz (L1), 50-channel. C/A code	
Accuracy	2.5 m CEP	
Update Rate	4 Hz	
Start-up Times	< 1 sec hot start, 29 sec warm start and 29 sec cold start	
Sensitivity	-160 dBm	
ENVIRONMENTAL		
Operating Temperature	-40°C to +85°C	-40°F to +185°F
Operating Humidity	< 75% RH	

## SHOUT **ts**

- Power/Back:
  - Used to turn device ON/OFF when hold down for two seconds or
  - Used to go back to a previous menu.
- LED: Displays tracking and emergency statuses.
- USB Port: Used to charge the battery, update firmware or setup operating parameters using a computer.
- Touchscreen: Used to access device features.
- Antenna: Iridium antenna.
- Antenna: GPS antenna.
- Guard: Protects emergency button from being accidentally activated.
- Emergency: Used to send an emergency alert/notification.



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MIDDLE EAST

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