

# SHOUT TS



A SATELLITE-BASED,  
TOUCHSCREEN-  
ENABLED, TWO-WAY  
MESSAGING AND  
TRACKING DEVICE

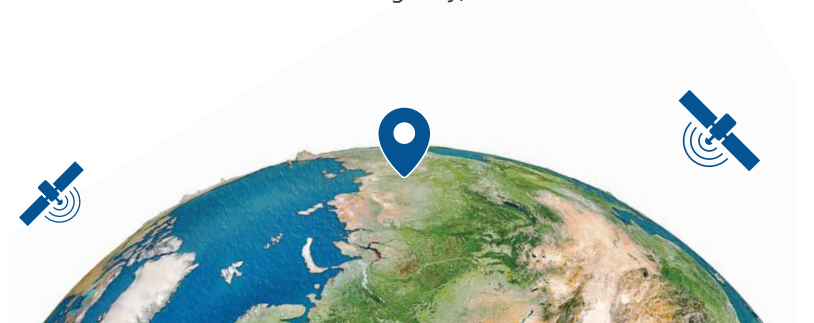
## KEY FEATURES

- › Programmed for either DoD or commercial Iridium gateway
- › Ultra-low power consumption
- › Automatic location reports
- › Guarded 911 alert switch
- › Resistive high-resolution touchscreen
- › Free-text and canned messages
- › Data logging (waypoints and tracking reports)
- › 256-bit AES encryption
- › Real-time, pole-to-pole coverage
- › Internal rechargeable battery using AC adapter, USB port, or solar charger
- › Integrated motion sensor
- › USB interface

## TOUCHSCREEN-ENABLED COMMUNICATIONS

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 and can send a position report every hour for up to two months (about 1,600 reports). It is equipped with a resistive high-resolution color touchscreen that can be used while wearing gloves, and supports transmission of both free-text and canned messages. A 911 button can be used for immediate emergency/alert notifications.



## SPECIFICATIONS



### MECHANICAL

- › Dimensions: 4.2" L x 2.4" W x 0.9" D (107 mm x 61 mm x 23 mm)
- › Weight: ~7.5 ounces (213 grams)
- › I/O Interface: Micro USB
- › Cooling: Convection
- › Enclosure: Hard-anodized aluminum (EMI shielded)



### ELECTRICAL

- › Input Voltage Range: 2.7VDC to 5.5VDC
- › Battery: 1.95 A-Hr rechargeable Lithium-Ion
- › Sleep Mode: < 35µA between reports
- › Transmission Mode: 1.12mA-Hr per report



### ENVIRONMENTAL

- › Operating Temperature: -4°F to +140°F (-20°C to +60°C)
- › Operating Humidity: < 75% RH
- › MIL-STD: MIL-STD-810G, MIL-STD-461G, Rapid decompression and explosive atmosphere



### 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



### 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: 1.0 W

## IDEAL SOLUTION FOR:

Air, land, and sea applications including: Search & Rescue, Border Protection, Intelligence, Surveillance and Reconnaissance (ISR), Law Enforcement, Security, Disaster Response, Humanitarian Aid, Military & Government, and Remote Operations.



# ANY OPERATION ANY ASSET ANYWHERE

CERTIFIED QUALITY  
ISO  
9001:2015  
MANAGEMENT SYSTEM

Blue Sky Network

