

# SHOUT sp

All-In-One Voice, Tracking & PTT



## Voice Calling

Iridium telephone capability via Android Interface



## Tracking & Messaging

Same capabilities found in the SHOUT product line



## Satellite Push-to-Talk

Global coverage via Iridium commercial gateway

## SHOUT sp

The SHOUT sp is a revolutionary Iridium Connected® device that combines Iridium® tracking and messaging of the SHOUT product line with Iridium® telephony capability in an Android device. The SHOUT sp is built specifically for use with Iridium® network and features Iridium short burst data® (SBD), SMS, and voice calls. For customers on Iridium's commercial gateway, global Iridium® Push-to-Talk (PTT) is also available. The SHOUT sp is comprised of a touchscreen display, status LED, guarded emergency button, Iridium antenna, and USB-C port. The touchscreen allows easy access to device features, and the USB-C enables charging, firmware updates, and device configuration. The LED displays device status when enabled or may be turned off in a tactical environment.

## Additional Features

- Real-Time, Global Iridium Coverage
- Compatible Airtime Services:
  - Short Burst Data (SBD)
  - Voice Call
  - SMS
- Provisioned on Either the DoD or Commercial Iridium Gateway
- Android Operating System 6.0
- >1,500 Tracking Reports with Fully Charged Battery
- Wi-Fi Connectivity 802.11 a/b/g/n
- Bluetooth
- Guarded 911 Alert Switch
- High Resolution Touchscreen
- 3.5mm Headset Jack
- IP67 Compliant

## Use Cases

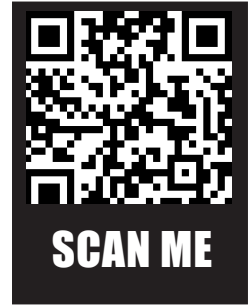
The SHOUT sp is the perfect tool for remote military environments where cellular coverage is unavailable, communication is a must, and the location of Blue Forces is critical.

Pending FCC Certification, other potential civilian uses cases include:

- Forestry Fire Fighters
- Remote Research Endeavors
- Open-ocean Recreational Sailing

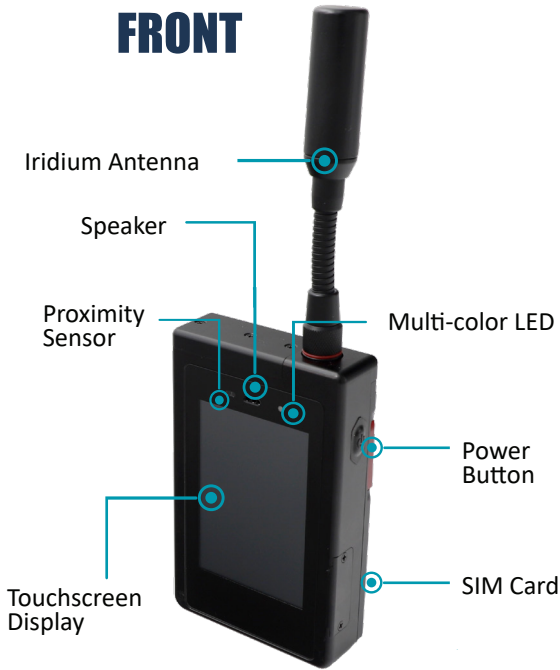
## SHOUT sp





**FRONT**

**BACK**



**UNDERNEATH**



**What's In the Box?**

- SHOUT sp Device
- Iridium Antenna
- Wall Adapter with USB-C Cable
- Earbuds

**Device Specifications**

<b>Weight:</b>	16 oz (0.45 kg) with Antenna	
<b>Dimensions:</b>	4.8" L (122 mm) x 3.0" W (74 mm) x 1.0" D (31 mm)	
<b>I/O Interface:</b>	USB-C, SIM Reader, 3.5 mm Headset Jack	
<b>Cooling:</b>	Convection Cooling	
<b>Enclosure:</b>	Hard, Anodized Aluminum (EMI Shielded)	
<b>Battery:</b>	2.15 A-Hr Rechargeable Lithium-Ion	
<b>Operating Temperature:</b>	-20°C — +60°C	
<b>Storage Temperature:</b>	-20°C — +60°C	
<b>Charging Temperature:</b>	0°C — +45°C	
<b>Bluetooth (Class II):</b>	Spectrum:	2.4GHz Band
	Transmit Power:	+10dBm (5—10 m Range)

**Iridium Transceiver (9523 RF Board)**

<b>Operating Frequency:</b>	1616 to 1626.5 MHz
<b>Link Margin Downlink:</b>	13 dB Average
<b>Link Margin Uplink:</b>	7 dB Average
<b>Average Power Transmission:</b>	1.0 W

**GPS Receiver**

<b>Receiver Type:</b>	1575.42 MHz (L1), 50 channel, C/A code
<b>Accuracy:</b>	2.5 m CEP
<b>Update Rate:</b>	4 Hz
<b>Start-up Times:</b>	< 1 sec hot start, 29 sec warm start, & 29 sec cold start
<b>Sensitivity:</b>	-160 dBm