

SHOUT NANO



A HANDHELD,
GLOBAL, TWO-WAY
SATELLITE MESSAGING
AND PERSONAL
TRACKING DEVICE

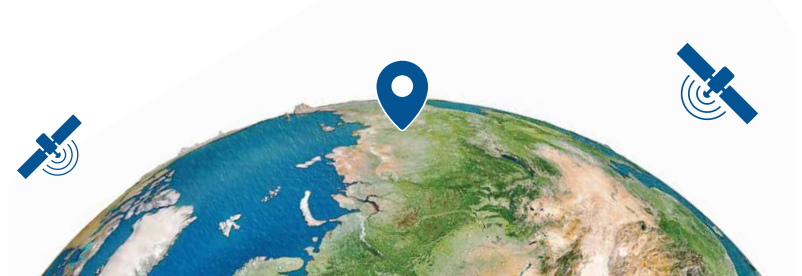
KEY FEATURES

- › Programmed for either DoD or commercial Iridium gateway
- › Ultra-low power consumption
- › Automatic location reports
- › Guarded 911 alert switch
- › Waypoint and check-in soft keys
- › 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

RELIABLE HANDHELD COMMUNICATIONS

The SHOUT nano 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 nano is designed with ultra-low power consumption electronics drawing less than 35 micro-A 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 1,200 reports). The SHOUT nano is equipped with a high resolution color LCD and on-screen keyboards supporting transmission of both free-text and canned messages. A 911 button can be used for immediate emergency/alert notifications.



SPECIFICATIONS



MECHANICAL

- › Dimensions: 4.0" L x 2.2" W x 0.8" D (101mm x 56mm x 20mm)
- › Weight: ~6.5 ounces (184 grams)
- › I/O Interface: Mini USB
- › Cooling: Convection
- › Enclosure: Hard-anodized aluminum



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

