

GLOBAL HANDHELD TRACKER / 2 WAY MESSAGING DEVICE: SHOUT nano

The SHOUT nano 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 nano measures 4.0" x 2.2" x 0.8" and weighs ~6.5 ounces.

The nano is designed with ultra-low power consumption electronics drawing less than 35 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 nano is equipped with a high resolution color LCD and on-screen keyboards supporting transmission of free-text, canned messages and a combination of free-text and canned messages. 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. A 911 button is used for immediate emergency/alert notifications. Data are packaged in either standard or 256-bit AES encrypted format. Data can also be sent in encrypted PECOS formats to include Brevity codes.



- ✓ Pocket-size, self-contained satellite tracker
- ✓ Ultra-low power consumption
- ✓ AES 256-bit encryption both transmit/receive
- ✓ Two-way communications
- ✓ Real-time reporting
- ✓ Truly global coverage

The nano offers a variety of services including:

- Normal Tracking — programmed to automatically wake up and send a position report at a set interval ranging from continuous to once every seven days.
- Emergency Alert — sends alerts to a designated monitoring center using a 911 button. The monitoring center and the user can then communicate to define further specifics of the emergency.
- Free-Text Messaging — sends free-text via three different sets of on-screen keyboards.
- Canned Text Messaging — sends canned (pre-defined) messages in short codes to save bandwidth instead of the entire message body.
- Waypoint Tracking — sends and/or saves waypoints (interested landmarks) for later retrieval.
- Check-In — allows a quick check-in message to be sent using a single soft key.

DELTA WAVE RETAIL PRICE – ONLY \$1,195.00

IRIDIUM HANDHELD TRACKER

POWERED by the IRIDIUM NETWORK



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Specifications

Mechanical

Dimensions:	4.0" L x 2.2" W x 0.8" D
Weight:	~6.5 Oz
I/O Interface:	USB
Cooling:	Convection
Enclosure:	Hard-Anodized Aluminum

Electrical

Input Voltage Range:	2.7VDC to 5.5VDC
Input Nominal Voltage:	4.0VDC
Power consumption during standby:	less than 35 μ A @ 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:	1.0 W

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°F to +185°F (-40°C to +85°C)
Operating Humidity:	< 75% RH

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