

# Only 8% of the world's surface has cell coverage.

## TracPlus™ SHOUT nano is for the rest.

Powered by Tracplus™ and the Iridium™ network, the SHOUT nano is a pocket-sized handheld global satellite tracking device with two way text messaging and distress alerting.

### TRACK

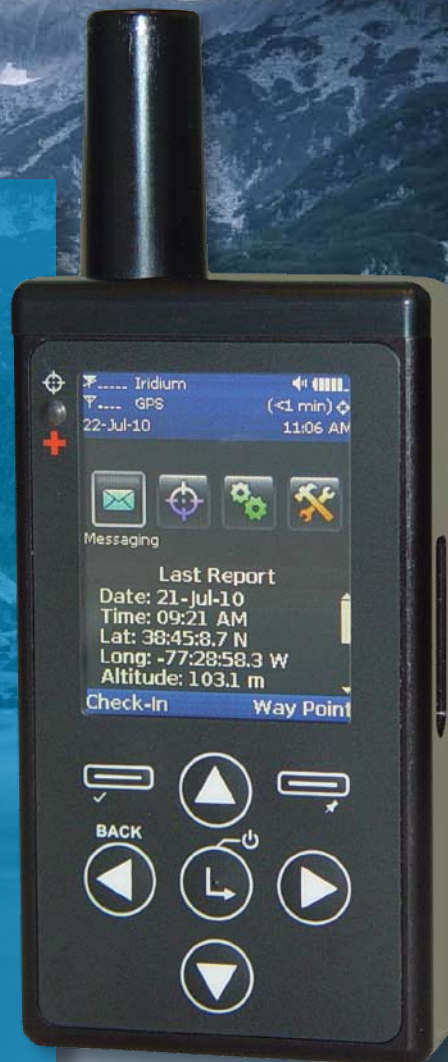
Share your tracking data with key personnel who need to know where you are at any time, anywhere on the planet.

### ALERT 24/7 365 DAYS A YEAR

Instantly notify and directly communicate with key personnel at any time, anywhere on the planet.

### TWO-WAY TEXT

Text to and from the SHOUT nano globally to communicate your situation, send a report, or describe your location.



Actual Size



**TracPlus**  
Premium Tracking Service  
[www.tracplus.com](http://www.tracplus.com)



OIL & GAS AND MINING

EMERGENCY SERVICES

UTILITIES

MILITARY

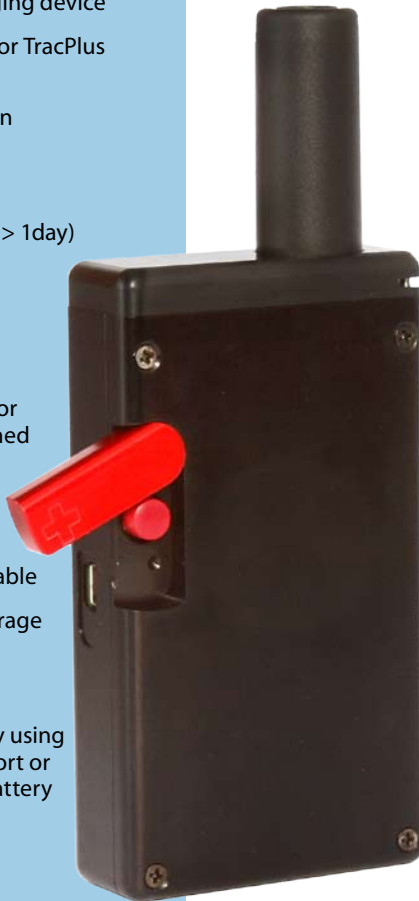
ADVENTURE

# IRIDIUM™ HANDHELD TRACKER/MESSAGING DEVICE: SHOUT nano

The SHOUT nano is designed specifically for global tracking, communication and distress monitoring. Being the smallest Iridium™ hand-held device available on the market, the SHOUT nano features ultra-low power consumption and is able to send a position report every hour for up to two months (about 1,200 reports). Equipped with a high resolution color LCD and on-screen keyboards supporting transmission of free-text, canned messages or the combination of both, it is both simple to use and effective. For easy use and quick access the menu options are displayed as icons. A 911 button is used for immediate emergency/alert notifications. Data is either standard or 256-bit AES encrypted format and can also be sent in encrypted PECOS formats including Brevity codes.



- ✓ Low-cost tracker and messaging device
- ✓ Programmed for either DoD or TracPlus commercial Iridium gateway
- ✓ Ultra-low power consumption
- ✓ Automatic location reports (>1200 reports)
- ✓ Flexible reporting rate (1min > 1day)
- ✓ Guarded 911 alert switch
- ✓ Waypoint soft key
- ✓ Check-in soft key
- ✓ Free-text, canned messages or combined free-text and canned messages
- ✓ Data logging (waypoints and tracking reports)
- ✓ 256-bit AES encryption available
- ✓ Real-time, pole-to-pole coverage
- ✓ Weighs ~6.5 ounces
- ✓ Volume 4.0" x 2.2" x 0.8" with internal rechargeable battery using AC adapter, computer USB port or solar charger with internal battery
- ✓ Integrated motion sensor
- ✓ USB interface
- ✓ 50-channel GPS receiver with -160 dBm sensitivity



## 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 µA @ 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: and 29 sec cold start	< 1 sec hot start, 29 sec warm start
Sensitivity:	160 dBm

### Environmental

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

## Order Now

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New Zealand Customers 03 477 8656



**TracPlus™**  
Premium Tracking Service

[www.tracplus.com](http://www.tracplus.com)