

# UniTrac – SHOUT nano

Hand Held Iridium Tracker

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The most important thing we build is trust

**COBHAM**



Corp Ten International, a business unit of Cobham Tactical Communications and Surveillance, is pleased to announce the UniTrac-SHOUT nano product offering. The UniTrac tracking and data management system is the most advanced and most capable system available today. Our unique UniTrac capability includes 'off the shelf' tracking and command/control of over 70 different tracking devices and communications networks as well as the ability to seamlessly manage related data such as audio and video files. The UniTrac system is continuously evolving with an average of six additional tracking devices or data sources added to the system each year

**This means that our customers can be assured that they own a system that will never become obsolete!**

Corp Ten is pleased to announce the UniTrac-SHOUT nano to the UniTrac family of tracking devices and capabilities.

The SHOUT nano is a portable, handheld global, two way satellite messaging and GPS device for emergency/rescue, text messaging applications and location based services. Utilizing Iridium's satellite short burst data messaging service, the SHOUT nano can provide communication of the devices location determined by a GPS receiver, two-way inbound and outbound status and text messaging, support/alert notifications and text based communications in emergency situations. It is designed with ultra-low power consumption electronics drawing less than 50µA during sleep.

The SHOUT nano is equipped with an LCD display and an on-screen keyboard allowing transmission of free text and canned messages. The device can periodically "wake up" from sleep and sends its position report to a server or sends an emergency alert via a 911 button. Data is sent in either standard or optional encrypted format.

## Features

- Pocket size, self-contained satellite tracker
- Ultra-low power consumption
- Internal rechargeable battery using AC adapter, computer and USB port
- Integrated motion sensor
- Two-way communications
- Real-time reporting
- Truly global coverage

## 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 35A @ 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: 40oF to +185oF (40oC to +85oC)  
Operating Humidity: < 75% RH