

SHOUT nano 500

**Global Tracking Solution
for Enhanced Personnel Safety**



Iridium STL Enabled

GNSS independent position
when you need it most



Two-Way Text Messaging

Communicate in real-time,
anytime



Reliable Global Coverage

Pole-to-pole connectivity
for any operation

Combining NAL's Industry-Leading Personnel Tracker with Iridium STL

When operating in GNSS challenged environments, SHOUT nano 500 by NAL delivers real-time two-way messaging and advanced personnel tracking for increased safety. This small, lightweight, and easy-to-carry hand-held device leverages Iridium's global satellite network and STL service to provide reliable Position Location Information (PLI) when GNSS is disrupted. SHOUT nano 500 combines a STL receiver, a GNSS receiver and an Iridium Short Burst Data® (SBD®) transceiver into a single handheld device, enabling unparalleled tracking and communication capabilities.

Why SHOUT nano 500?

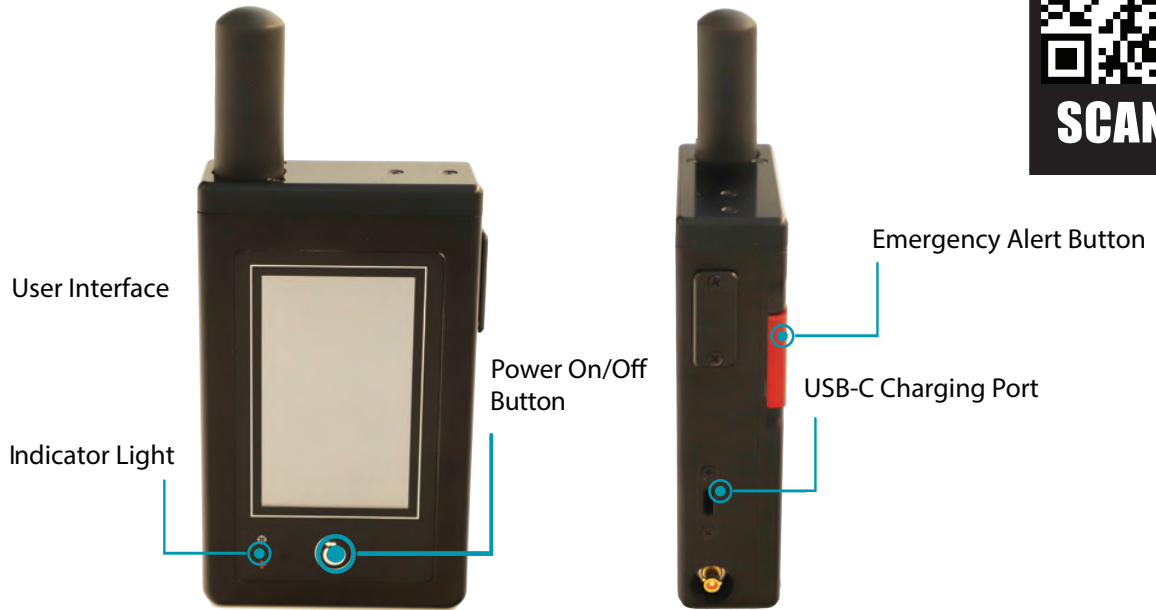
- Small, lightweight handheld for tracking and messaging
- Uses both GNSS and Iridium STL for positioning
- Global availability 24 hours a day, 365 days a year
- Easy-to-access Emergency Alert activation
- Intuitive touchscreen interface
- Two-way text messaging via Iridium SBD
- 256-bit AES Encryption

Benefits of SHOUT nano 500

- Resilient PNT: SHOUT nano 500 provides two sources of PNT. A high accuracy GNSS receiver and an Iridium STL receiver. When you lose GNSS, you have STL allowing you to maintain visibility of your most important assets - your personnel.
- Emergency Alert: With the push of a button, SHOUT nano 500 sends an emergency message to your monitoring center alerting when personnel are in need of immediate help. SHOUT nano 500 will broadcast location information with each alert until the situation is resolved
- Everyday Use: With two-way text messaging, SHOUT nano 500 is an integral part of your communications infrastructure, allowing you to track and communicate with personnel anytime and ensure their safety.

SHOUT nano 500





What's In the Box?

- SHOUT nano 500
- Power Adapter
- USB Charging Cable

Device Specifications

Weight:	~15 oz (0.42 kg)
Dimensions:	4.76"L (122 mm) x 2.9"W (74 mm) x 1.2"D (31 mm)
Cooling:	Convection Cooling
Enclosure:	Hard, Anodized Aluminum (EMI shielded)
Input Voltage Range:	2.7VDC to 5.5VDC
Battery:	3.6A-Hr Rechargeable Lithium Ion
Operating Temperature:	-4°F to +140°F (-20°C to +60°C)
Operating Humidity:	< 75% RH

Iridium STL Receiver

Receiver Type:	L-Band
Accuracy:	+/- 100meters with open sky view

GNSS Receiver

Receiver Type:	L1 C/A
Accuracy:	2.5 meters