

SHOUT nano 200

Handheld Tracker Delivering Assured Mesh & Satellite Connectivity

SHOUT nano 200 is NAL Research's most advanced SHOUT yet, offering flexible communication options and robust features to support the success of global dismounted government and military customers.

Intuitive and durable, the solution ensures users remain connected by enabling communication via 3 options: the Iridium satellite system for global reach, mesh networking for secure device-to-device links, and 5G LTE when paired with an enabled cellular device. Use NAL's ATAK plug-in or companion application to access capabilities such as messaging, situational awareness, and triggering SOS alerts.

SHOUT nano 200 features a sun-readable color display, seamless full integration with ATAK/TAKServer, and field-replaceable batteries to support longer missions.

Achieve reliable tracking, increased safety, and mission-critical communications with SHOUT nano 200.

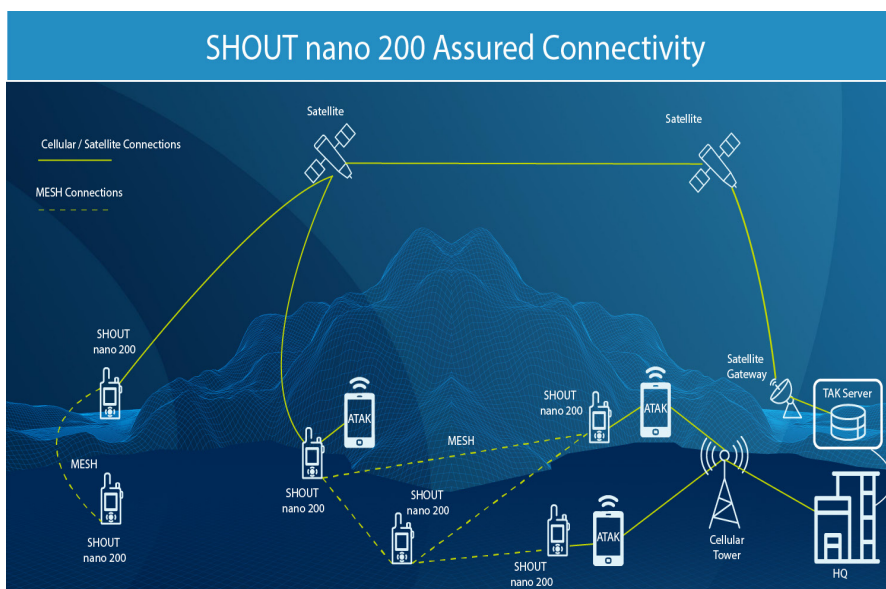


APPLICATIONS

- Dismounted warfighters/personnel
- Vehicles
- Boats

CAPABILITIES

- Smart or manual routing between three methods of communication
- Large color display easily readable, even in direct sunshine
- Seamless integration into the ATAK platform
- Man-down motion alert sensor with automatic SOS alerts
- Internal or remote battery charging with the external battery charger
- Ability to connect different antennas such as a magnetic mount for vehicle applications
- TRANSEC with AES256 encryption & option for Enhanced Short Burst Data (ESBD)
- Open interfaces & Bluetooth API available to support custom phone applications
- Compatible with existing SHOUT models
- Separate GPS antenna for optimized battery life & more accurate positions



SHOUT nano 200 Specifications

DIMENSIONS

- Size (without Iridium antenna): 118.9 x 68.8 x 29.7mm (4.68 x 2.71 x 1.17in.)
- Device weight: 235.5g (8.31 oz.)

ENVIRONMENTAL

- Operating temperature range: -20°C to +60°C (-4°F to +140°F)
- Charging temperature range: -0°C to +45°C (+32°F to +113°F)
- MIL STD 810H/MIL STD 461G: IP67
- Operating humidity: ≤75% RH
- Antennas: Iridium, GNSS, LoRa™ Mesh, Bluetooth

ELECTRICAL

- Internal battery type: Rechargeable Li-Polymer 2350mAh
- Max input power consumption: 1A at 5VDC

DATA/IO

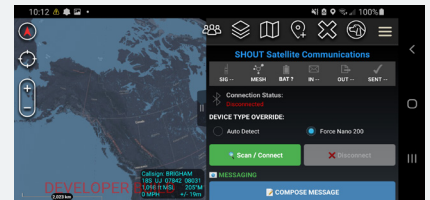
- Short burst data (SBD) mobile originated/mobile terminated: 340/270 per message
- Enhanced short burst data (ESBD) mobile originated/mobile terminated: 4095/4095 bytes per message
- Multi-interface connector: USB-C
- Software interface: AT commands via USB

SHOUT NANO 200 SYSTEM



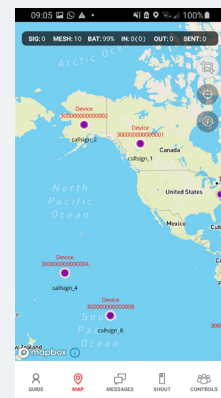
HANDHELD TRACKER

Rugged device can be easily carried or attached to a high-value, untethered, or non-powered asset



ATAK PLUG-IN

Connect to an Android device to see location data and communicate with other SHOUT devices



COMPANION APPLICATION

Send and receive messages from other SHOUT devices and enable emergency SOS alerts

NAL Research is a pioneer in delivering trusted and resilient connectivity and PNT solutions—designed to meet the dynamic communications, data intelligence, location, and timing needs of the future. In 2024, NAL Research and Blue Sky Network strategically merged to optimize operations and provide a diverse enterprise and government customer base with transformative solutions and enhanced service and support. NAL and Blue Sky Network's combined portfolio now includes emerging satellite and mobile technology products, satellite-based tracking systems, powerful APNT modules, intelligent software applications, IoT tracking, and two-way devices enabling seamless global connectivity. For more information, visit www.nalresearch.com.