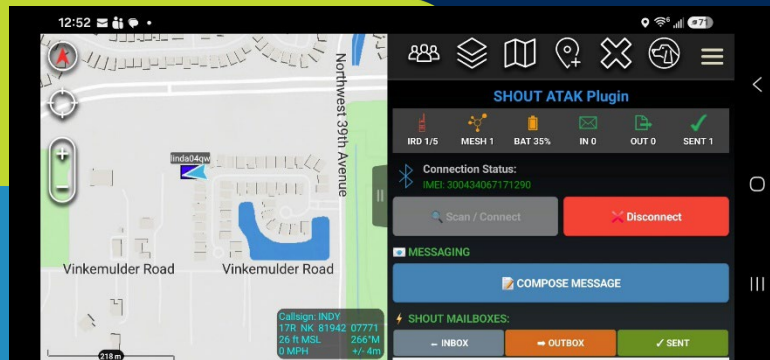




SHOUT ATAK PLUGIN

USER GUIDE Rev. E

SHOUT ATAK Plugin

User Guide

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REVISION HISTORY

Revision	Date	Description
A	11/07/2025	Formal Release
A.1	12/11/2025	Removed Broadcast
B	12/19/2025	Formal Release
B.1	01/21/2026	Added SOS feature
C	01/27/2026	Formal Release
C.1	06/25/2026	Content edits
D	06/25/2026	Formal Release
D.1	08/20/2026	Content edits; updated images; changed document name
E	09/09/2026	Formal Release

REFERENCE DOCUMENTS

Please email support@naltec.com for the latest revisions of the below Naltec documents.

Reference	Title	Revision
[1]	<i>SHOUT nano 200 User Guide</i>	E

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INTRODUCTION

This guide describes how to connect to and use NAL Technologies' (Naltec) SHOUT ATAK Plugin with SHOUT nano 200 Short Burst Data® (SBD®). In the Android Team Awareness Kit (ATAK), the SHOUT ATAK Plugin enables two-way, real-time communication to an individual contact or a group of devices.

DEVICE OVERVIEW

SHOUT nano 200

The lightweight SHOUT nano 200 device has an LCD display, an Iridium and GPS antenna, a belt clip, and buttons for the following capabilities: power/enter; up, down, left, and right screen navigation; and emergency/911. The USB-C interface port on the bottom of the device is for charging, firmware updates, data collection, and setting parameters using the Naltec SatTerm app.



Figure 1: SHOUT nano 200 external components

Simply hold the Power/Enter button for 5 seconds to turn the device off/on and awaken it from sleeping. **NOTE:** Upon waking up, the device will not display the Naltec splash screen.

For more information about using SHOUT nano 200, see the SHOUT nano 200 User Guide [1].

SHOUT ATAK Plugin Interface

At the top of the SHOUT ATAK Plugin interface, access the toolbar and view important information such as satellite signal strength, number of connected mesh devices, battery level, and number of messages in your inbox and outbox.

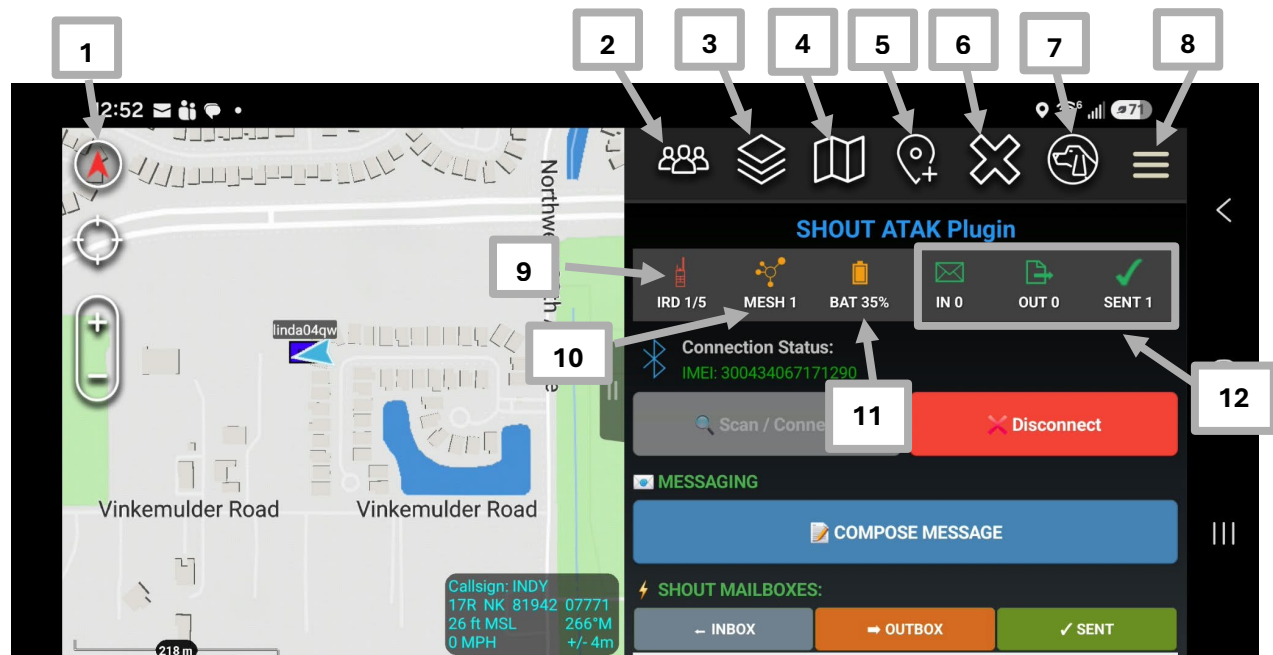


Figure 2: ATAK SHOUT Plugin interface

ATAK SYMBOLS

Numbers 1-8 in the image above describe the ATAK symbols located at the top of the interface.

- 1) *Compass* – Used to control map orientation.
- 2) *Contacts* – Access contact list and choose communication methods with other users on the local network or TAK server.
- 3) *Overlay Manager* – Sorts map objects, files, and overlays into categories and subcategories.
- 4) *Maps & Favorites* – Lists the imagery loaded in the app.
- 5) *Point Dropper* – Enter locations of interest here. Select this symbol to place markers and other icons on the map, edit the data, and share the markers with other network members.
- 6) *Red X* – Determine coordinate and elevation data for a point on the map. Click the symbol to toggle the Red X into a movable state.

- 7) *Bloodhound* – Supports tracking and intercepting a map item. It enables you to select two points on the map, and/or map objects, and displays Range & Bearing information between the chosen tracker and the target.
- 8) *Menu* – Upon opening the ATAK app, click this symbol and choose the ‘SHOUT ATAK Plugin’ tile to navigate to the interface. This symbol also provides access additional capabilities, including geofencing, image gallery, and settings to change screen orientation.

PLUGIN SYMBOLS

Numbers 9-12 in the image above describe the Plugin symbols located at the top of the interface.

9) *IRD* - Indicates Iridium signal strength.

10) *MESH* – Clickable button enabling direct messaging to all mesh neighbors.

11) *BAT* – Shows battery percentage.

12) *IN / OUT / SENT* – Easily view the number of messages in your inbox, outbox, and sent box here. Click the symbols to be directed to those mailboxes.

INSTALLING THE SHOUT ATAK PLUGIN

Navigate to the Google Play Store and download the ATAK app and then the SHOUT ATAK Plugin app. In the ATAK app, click on the hamburger menu and choose 'Plugin' to open the list of Plugins. Find 'SHOUT ATAK Plugin' and press 'Load.'

NOTE: ICON can be placed on the ATAK screen to provide another option to open the Plugin.

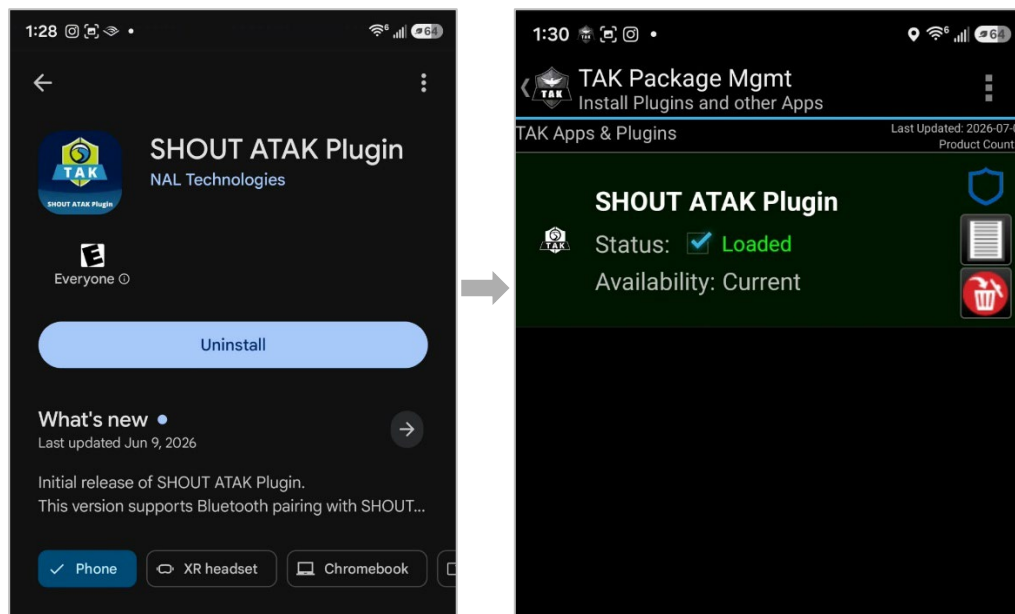


Figure 3: Installing the SHOUT ATAK Plugin app

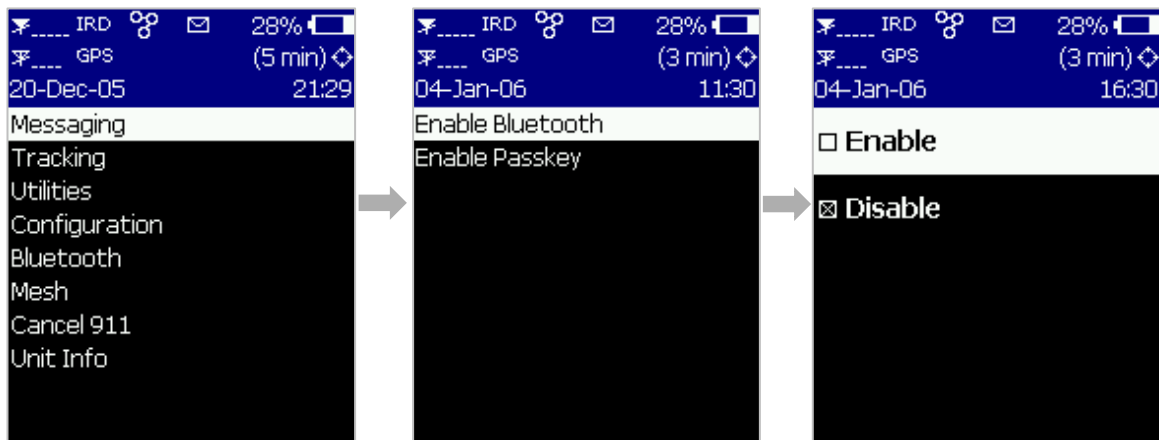
PAIRING SHOUT NANO 200 & SHOUT ATAK PLUGIN

Follow these steps to pair SHOUT nano 200 and the SHOUT ATAK Plugin:

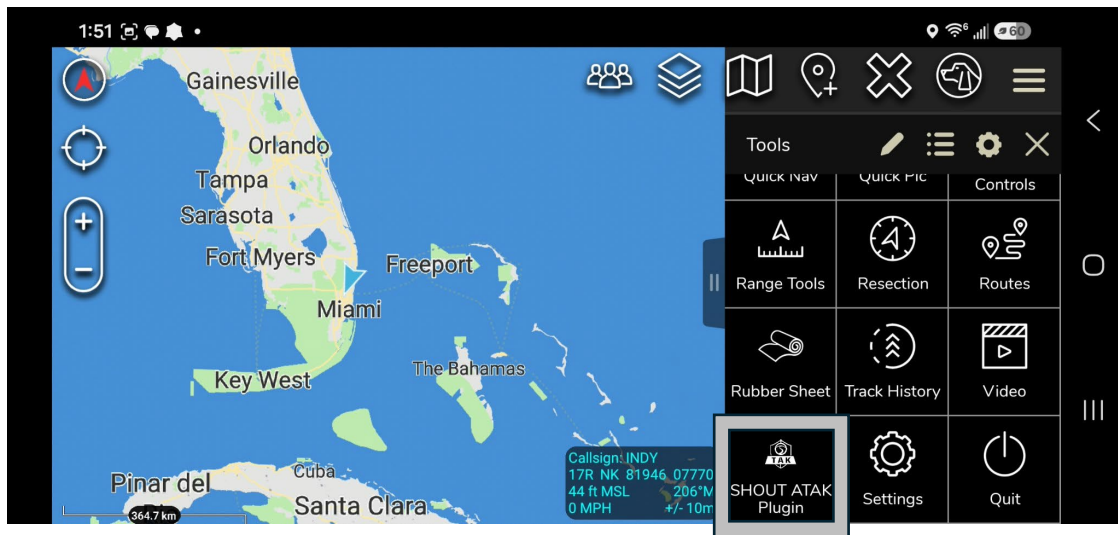
- 1) Enable Bluetooth on your Android device
- 2) Enable Bluetooth on your SHOUT device
- 3) Pair in the Android device settings
- 4) Connect in the ATAK SHOUT Plugin

Figure 4: How to pair the device and SHOUT ATAK Plugin

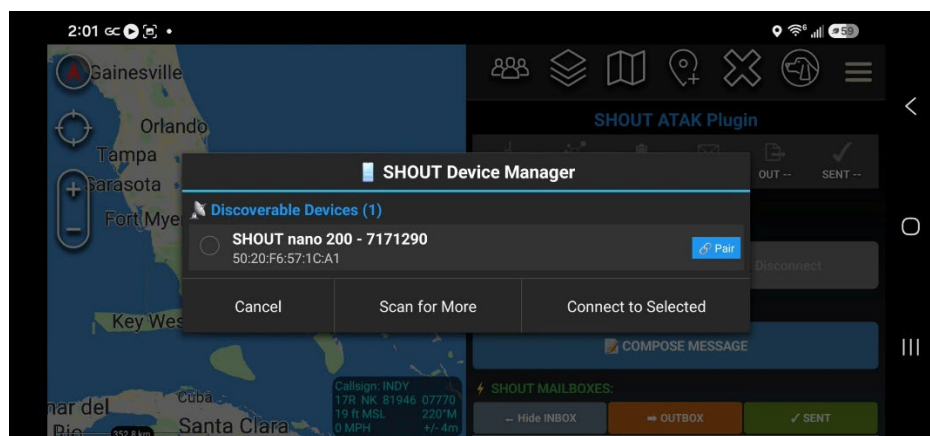
Enable Bluetooth pairing on SHOUT nano 200 by navigating to the *Home* screen > **Bluetooth** > **Enable Bluetooth** > **Enable**. If successful, a white Bluetooth icon appears indicating the SHOUT nano 200 is Bluetooth enabled. A **green** icon indicates it is connected to a Bluetooth device.



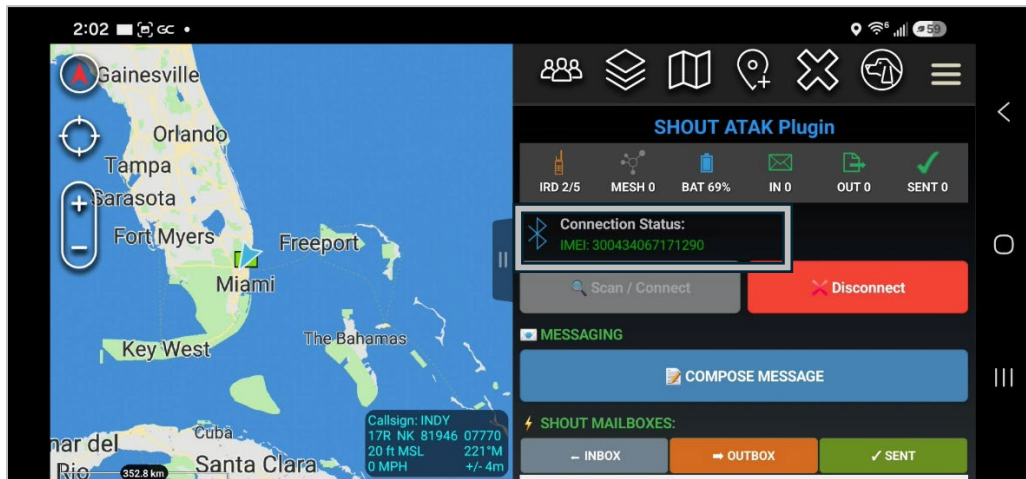
On your Android, select the SHOUT ATAK Plugin app, then click the hamburger menu at the top of the interface. Scroll down and choose the 'SHOUT ATAK Plugin' tile to access the interface.



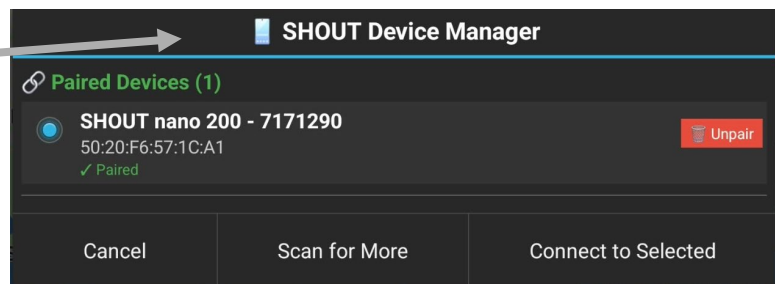
Scroll down the SHOUT ATAK Plugin interface and press the 'Scan/Connect' button. Once the *SHOUT Device Manager* window opens, choose the desired device and press 'Connect to Selected'.



A connected message will appear, and the Bluetooth *Connection Status* field displays the device IMEI number in green.



View, connect to, or unpair SHOUT devices on the *SHOUT Device Manager* window. Click the 'Scan for More' button to search for additional available devices.



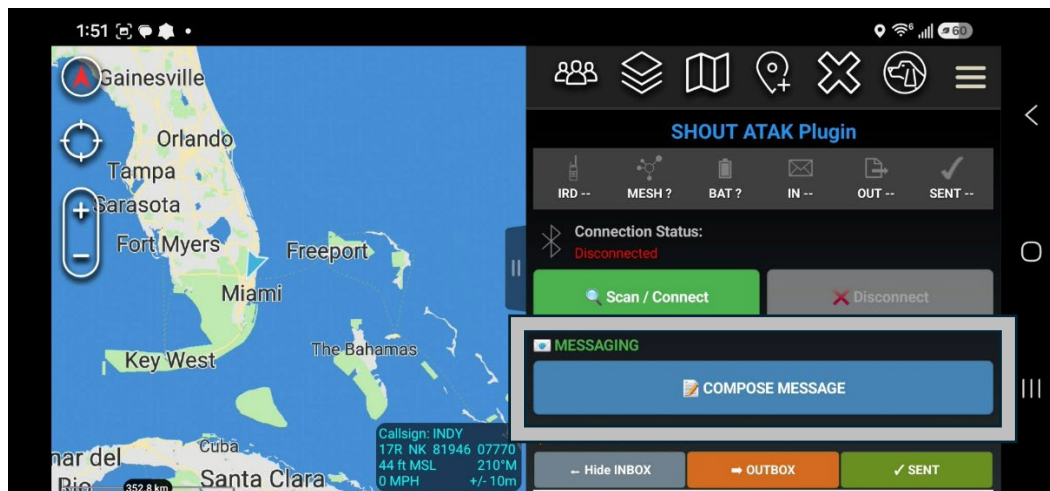
USING SHOUT ATAK PLUGIN

Compose Message

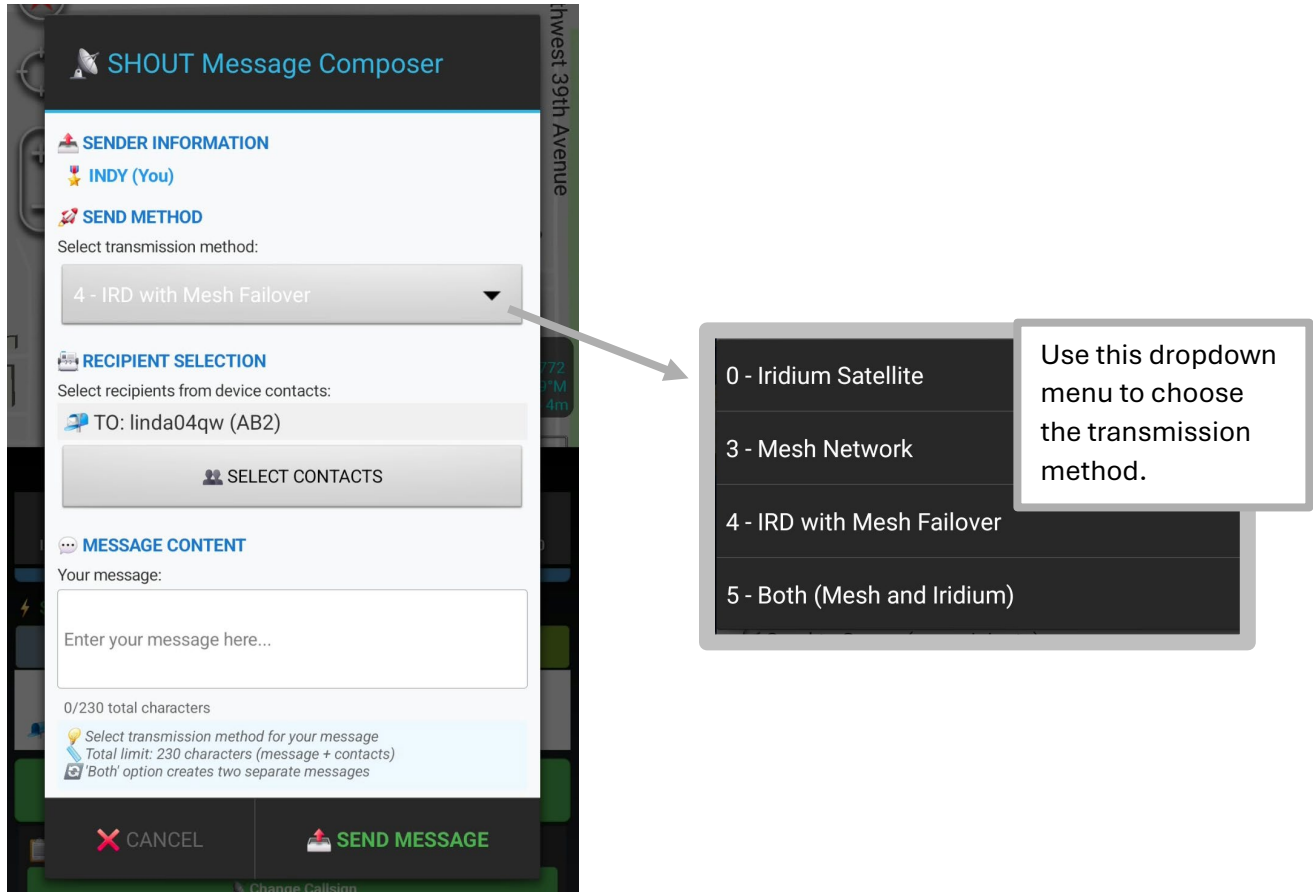
Follow these steps to send a message to all or a select number of contacts.

Figure 5: How to compose and send a message

1) Scroll down the SHOUT ATAK Plugin interface and click the 'Compose Message' button located in the *Messaging* section.



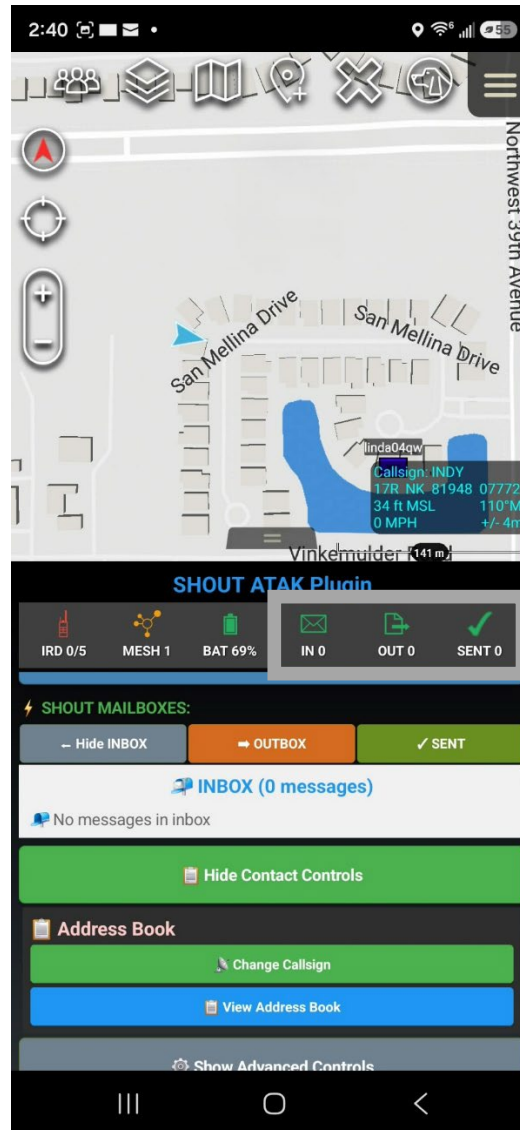
2) In the *Advanced SHOUT Message Composer* window, type the message (there is a 230-character limit). Scroll down the window to add status reports, emergency information, operational updates, confirmations, or requests to your message.



3) Continue scrolling to select the desired send method, recipients for the message, and communication method. Press 'Send Message' when ready and a success message will appear.

Check Mailboxes

In *SHOUT Mailboxes*, see the messages in your inbox, outbox, and sent box. You can reply to, view, and delete messages in this section.



The symbols under the toolbar at the top of the interface show the number of messages in each mailbox. Click on the symbols to be directed to their respective boxes or simply scroll down the interface to access those sections.

Figure 6: Inbox, outbox, and sent messages

View Contacts

Click ‘View Address Book’ to open the pop-up window listing mesh neighbor callsigns and device IMEI numbers.

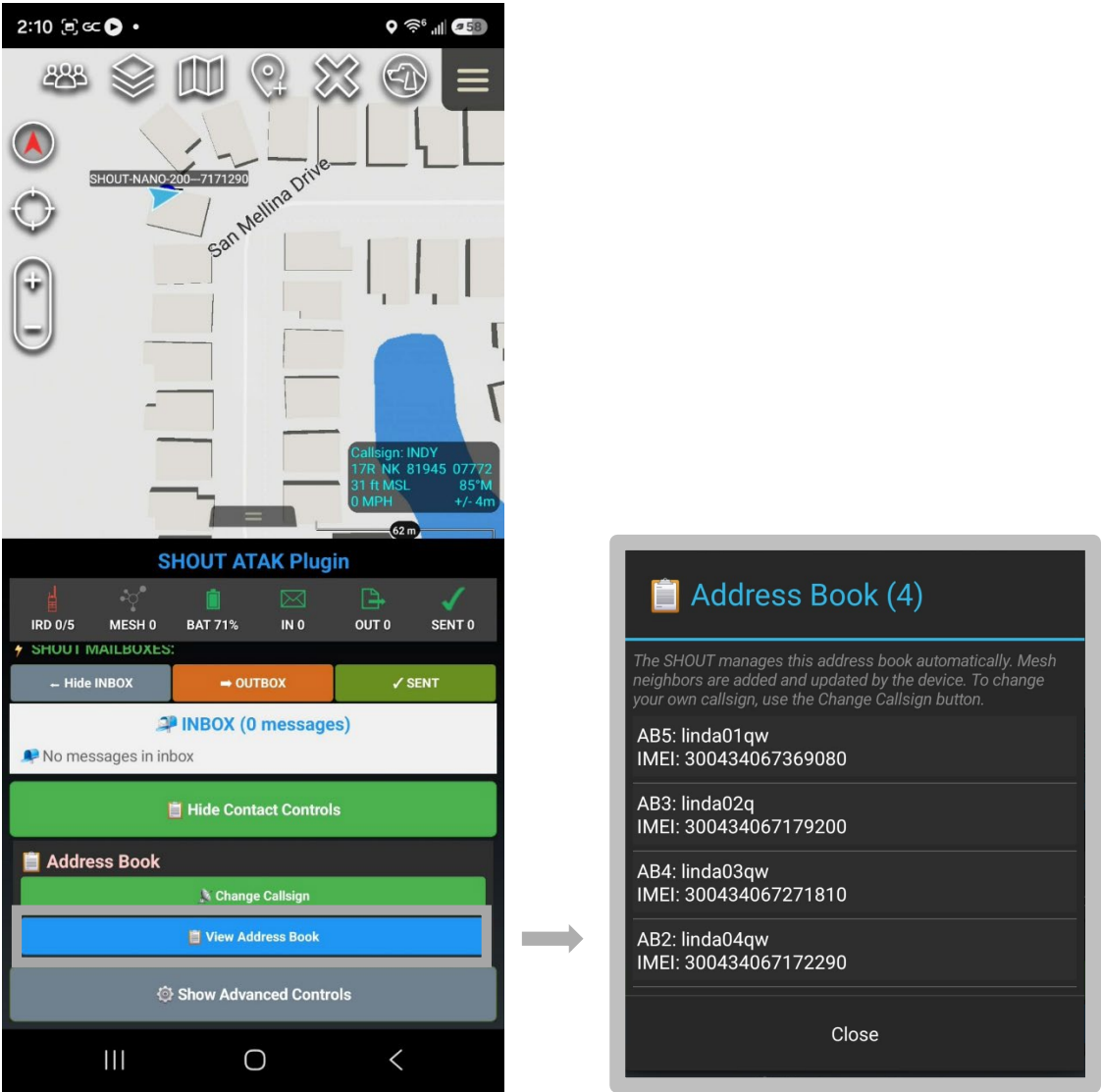


Figure 7: View contact information

Location Tracking

Use the map to view the location of all connected devices. The green rectangle with the letters 'SEC' denotes your connected SHOUT nano 200. The light blue triangle is the ATAK user marker populated by ATAK based on your cellular device's GPS or where you place yourself.

When plotted, mesh neighbors appear as blue rectangles with the letters 'SEC'. Sometimes, aged-out SHOUT or mesh neighbor markers from previous connections appear for a short period of time. These are indicated by a red and white cross.



Figure 8: Using the map to view all connected devices

Click on individual assets to see their location.

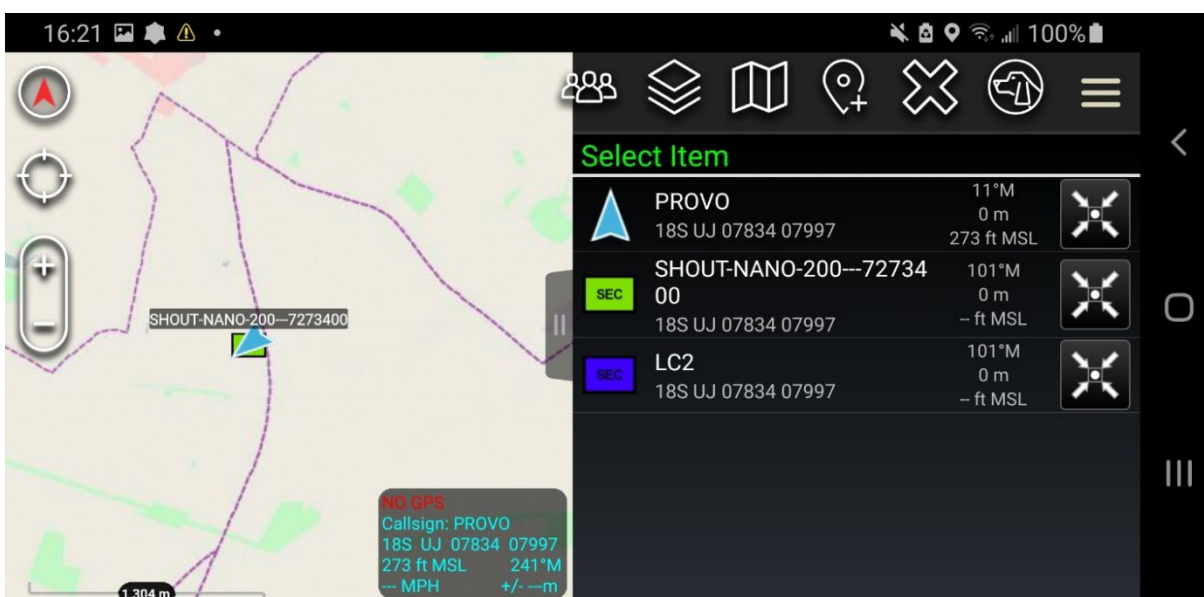


Figure 9: View individual asset location

Mesh neighbors with SOS enabled will display with a red  symbol below their name on the map. You will also receive a notification.

To enable SOS on your specific device, please refer to the SHOUT nano 200 User Guide [1].

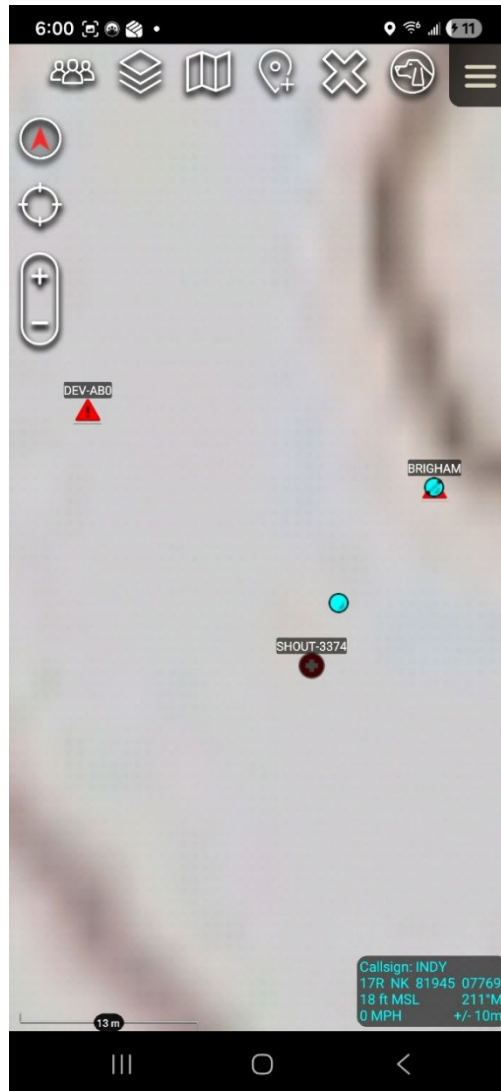


Figure 10: Mesh neighbors with SOS-enabled device

Contacting Mesh Neighbors

At the top of the interface, click the 'MESH' plugin symbol to open the 'Mesh Neighbors' pop-up window. Use this window to quickly send a message to any mesh neighbor in your contact list.

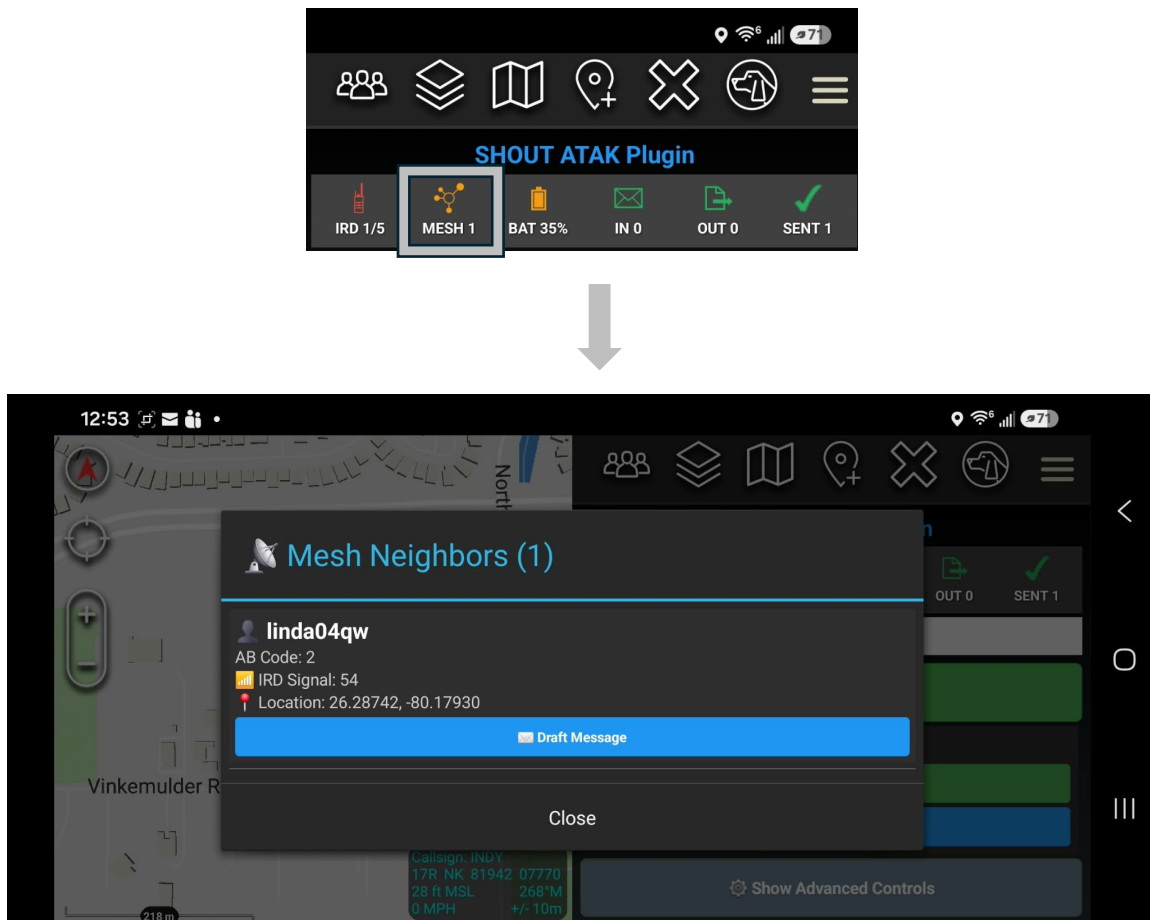


Figure 11: How to contact mesh neighbors

Location Controls

Disable location sharing and clear previous location updates under the *Location Controls* section.

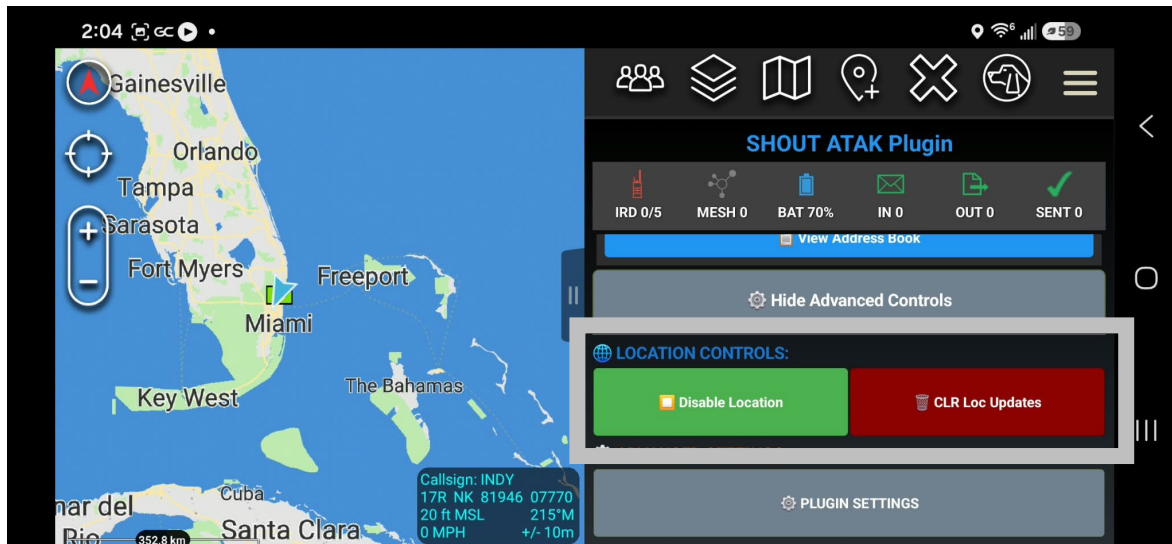


Figure 12: Location Controls section

Advanced Settings

Configure intervals for map marker visibility and status bar updates in *Advanced Settings*.

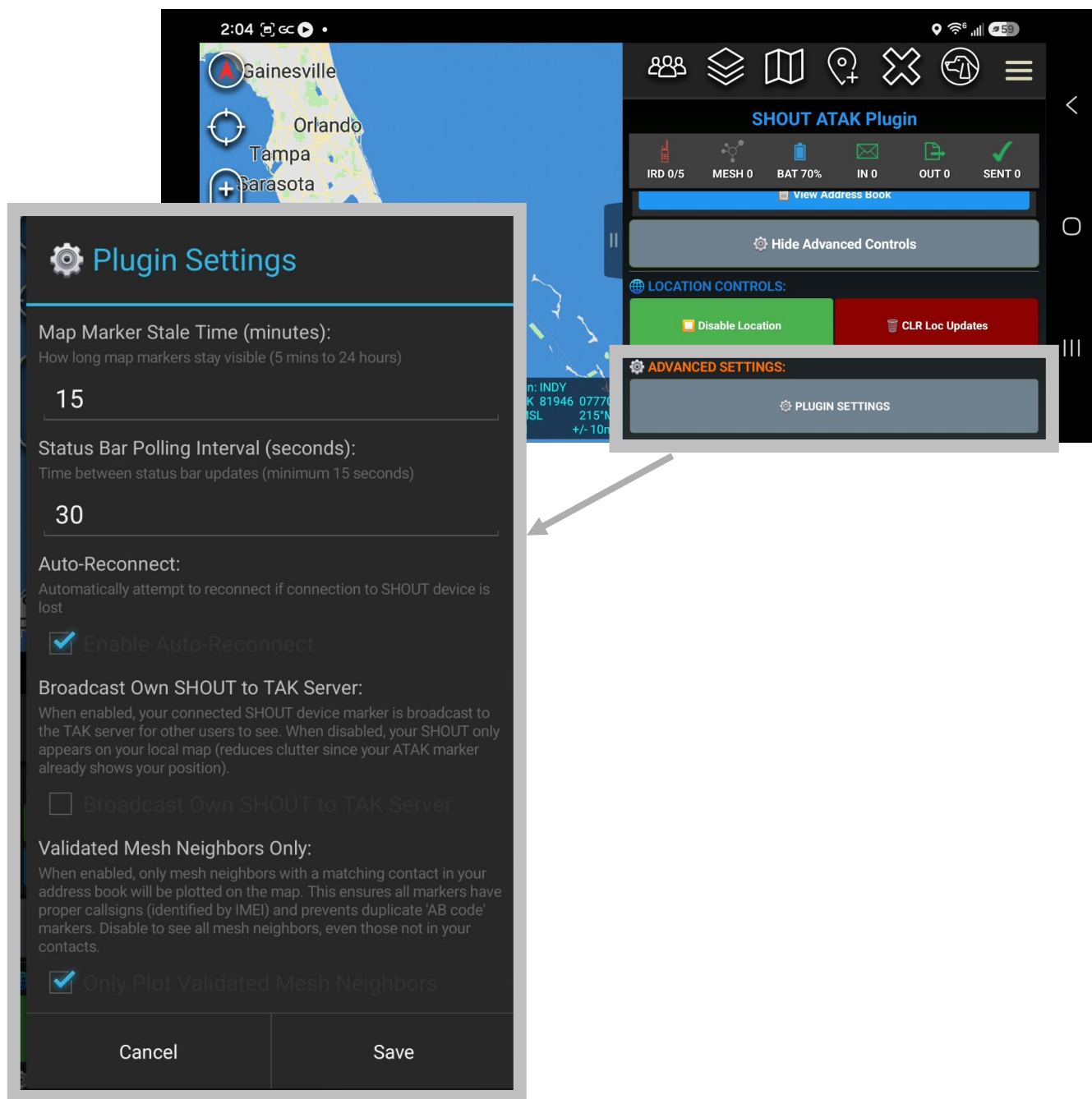


Figure 13: Advanced Settings and Plugin Settings

