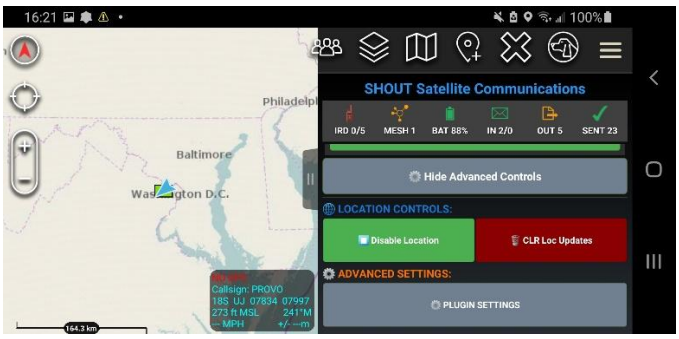




SHOUT NANO 200 ATAK PLUGIN USER GUIDE

Rev. A

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SHOUT nano 200

ATAK Plugin Guide

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REVISION HISTORY

Revision	Date	Description
A	11/07/2025	Formal Release

REFERENCE DOCUMENTS

Please email support@nalresearch.com for the latest revisions of the below NAL documents.

Reference	Title	Revision/Date
[1]	*SHOUT nano 200 User Guide*	Revision A, 11/07/2025

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INTRODUCTION

This guide describes how to connect to and use the ATAK SHOUT Plugin with SHOUT nano 200-01 Short Burst Data® (SBD®). The Android Team Awareness Kit (ATAK) SHOUT 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 NAL 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 *NAL splash* screen.

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

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ATAK SHOUT Plugin Interface

At the top of the 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.

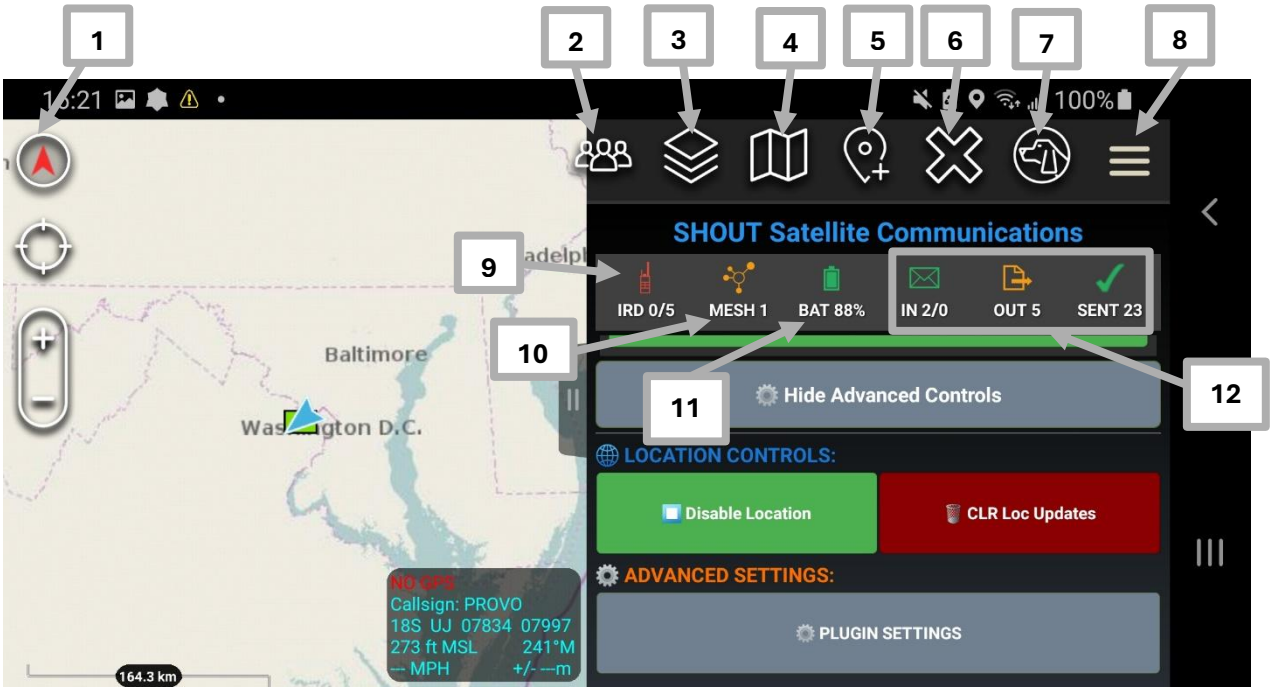


Figure 2: ATAK SHOUT Plugin interface

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.

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8) *Menu* – Upon opening the app, click this symbol and choose the 'SHOUT TAK 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 – Displays number of mesh-connected devices.

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.

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INSTALLING THE ATAK SHOUT PLUGIN

Navigate to the Google Play Store and download the ATAK app and then the Plugin app. After installing both, click on the ATAK app and enable the Plugin using the ATAK menu and the ATAK Plugin button. **NOTE**: ICON can be placed on the ATAK screen to provide an alternative option to opening the Plugin.

PAIRING SHOUT NANO 200 & ATAK PLUGIN

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

Enable Bluetooth pairing on SHOUT nano 200 by navigating to the *Home* screen > **BT Pairing** > **Enable BT** > **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.



Figure 3: How to enable Bluetooth on SHOUT nano 200

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

Press the 'Scan/Connect' button to search for the device. A connected message will appear, and the Bluetooth *Connection Status* field displays the device IMEI number in green.

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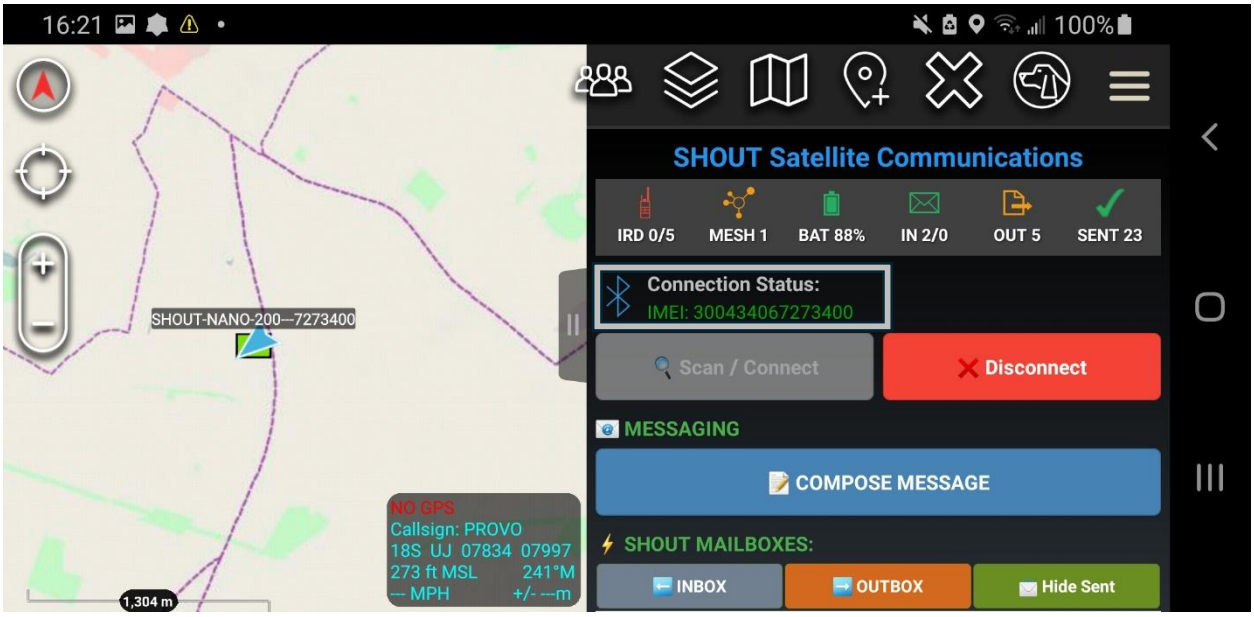


Figure 4: Bluetooth connection on the ATAK SHOUT Plugin

View, connect to, or unpair SHOUT devices here. Click the 'Scan for More' button to search for additional available devices.

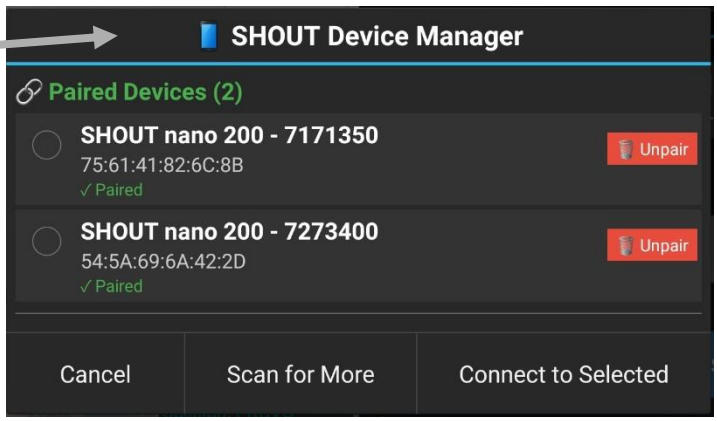


Figure 5: SHOUT Device Manager window

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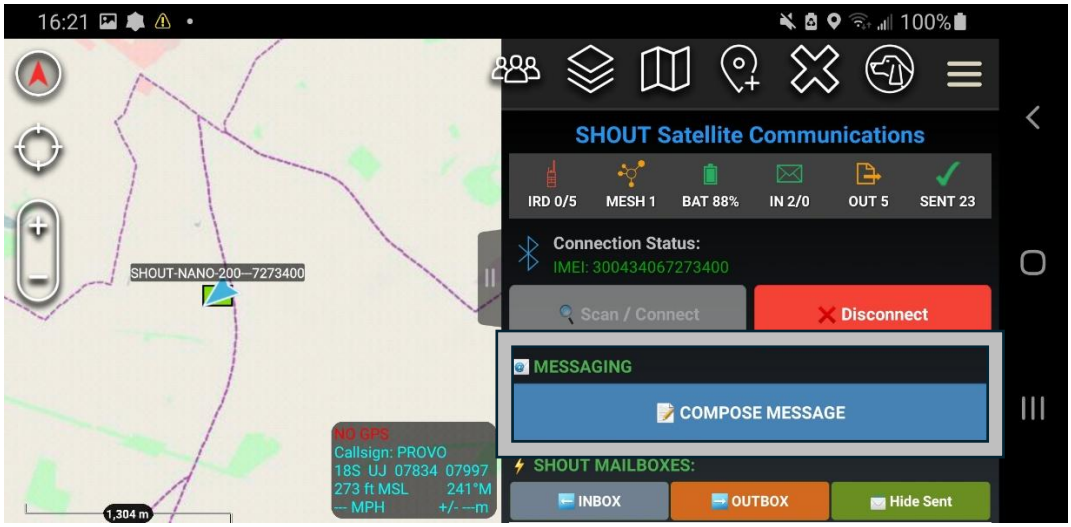
USING THE ATAK SHOUT PLUGIN

Compose Message

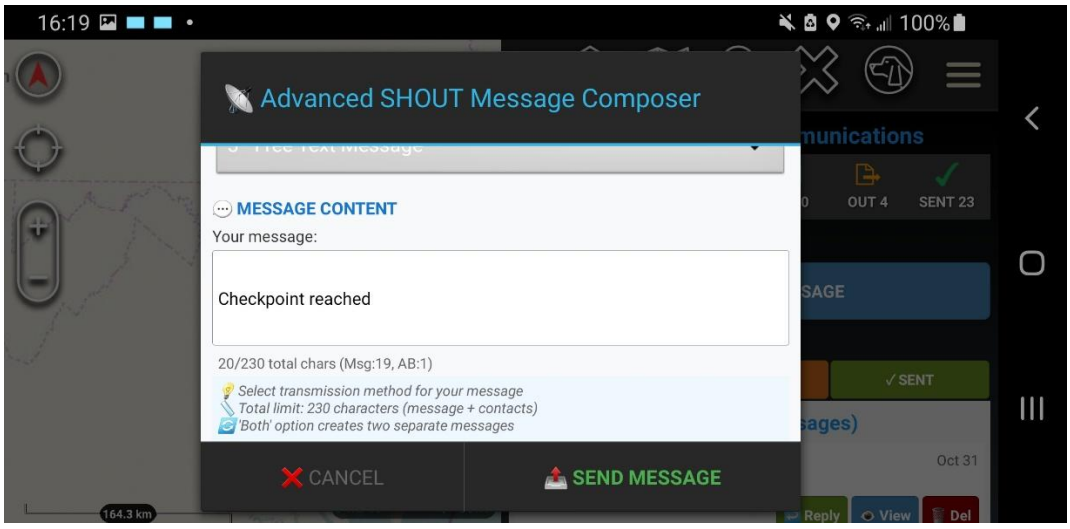
Follow these steps to send a message to all or a select number of contacts.

Figure 6: How to compose and send a message

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

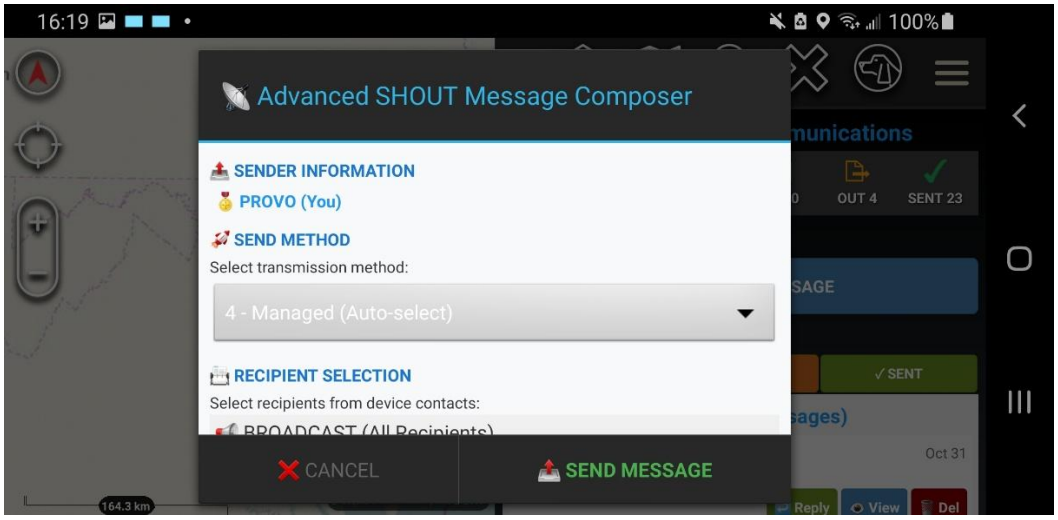


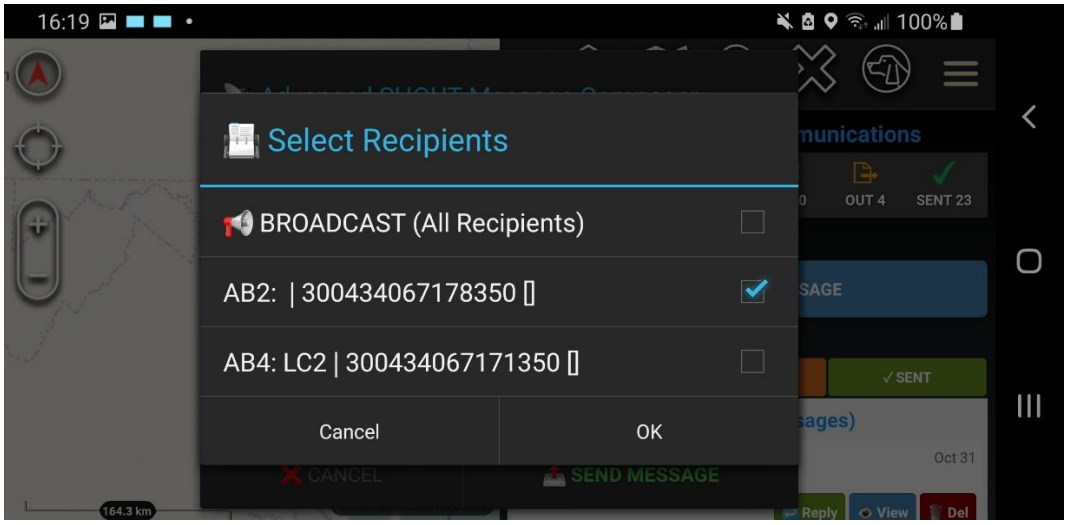
2) In the Advanced SHOUT Message Composer window, type the message (there is a 230 character limit). Scroll down the window to add status reports, emergency information, operational updates, confirmations, or requests to your message.

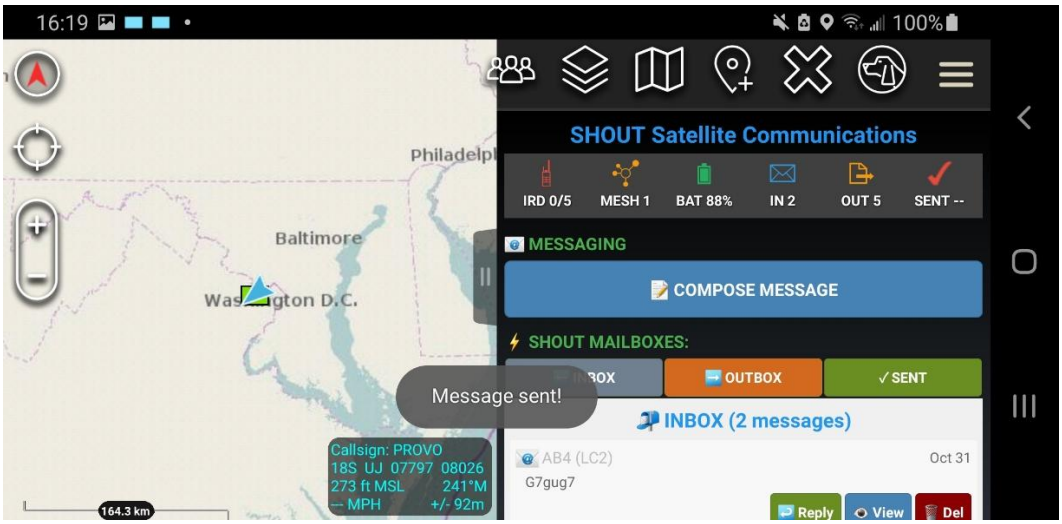


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3) Continue scrolling to select the desired send method, recipients for the message, and communication method. Press ‘Send Message’ when ready and a success message will appear.



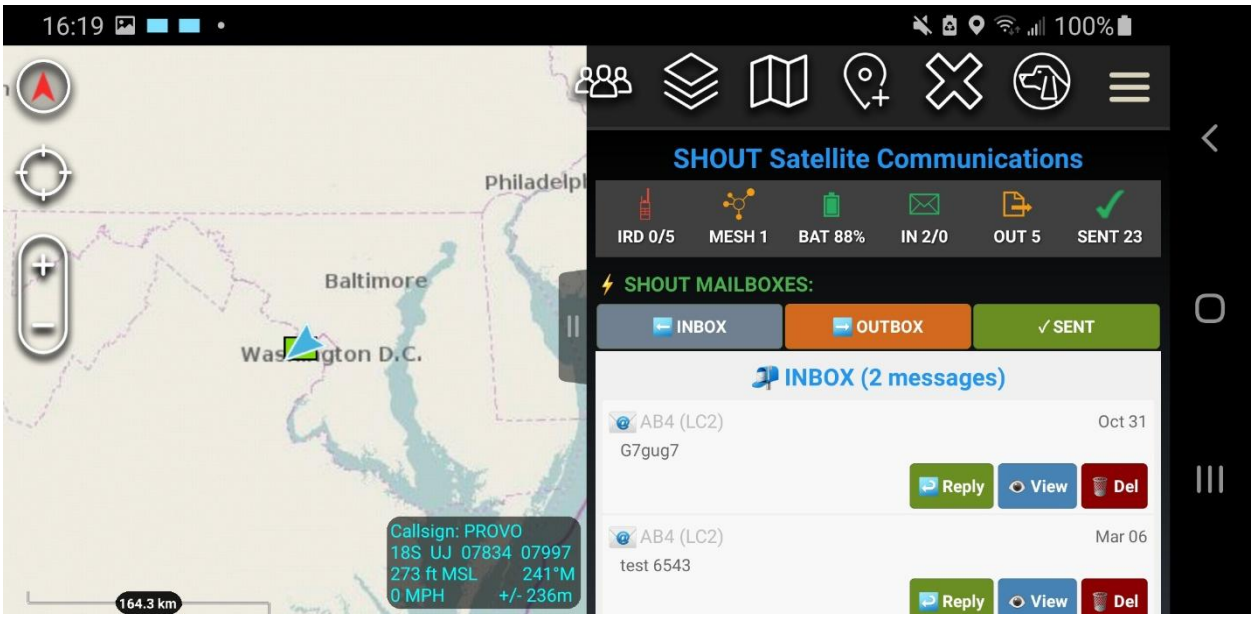




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Check Mailboxes

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 the inbox, outbox, and sent box. Click on the symbols to be directed to their respective boxes or simply scroll down the interface to access those sections.

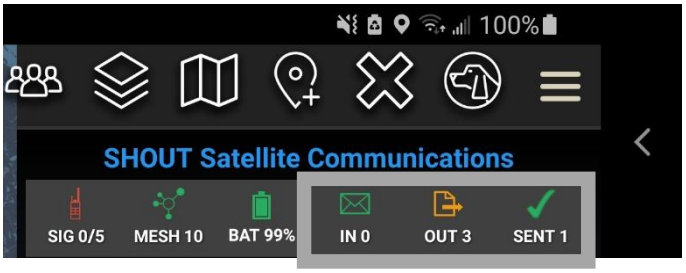


Figure 7: Inbox, outbox, and sent messages

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Manage Contacts

Click the 'List / Edit / Delete Contacts' button to make changes to existing contact information.

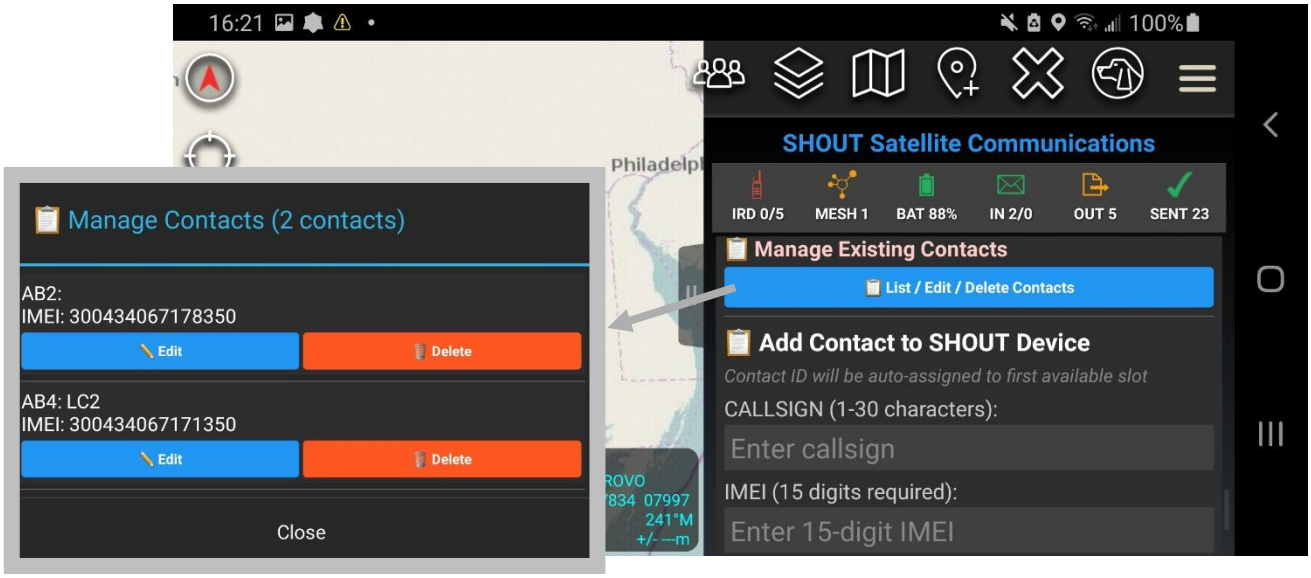


Figure 8: View, edit, and delete contacts

In the *Add Contact to SHOUT Device* section, complete the fields and then press the 'Add Contact' button to create a new recipient.

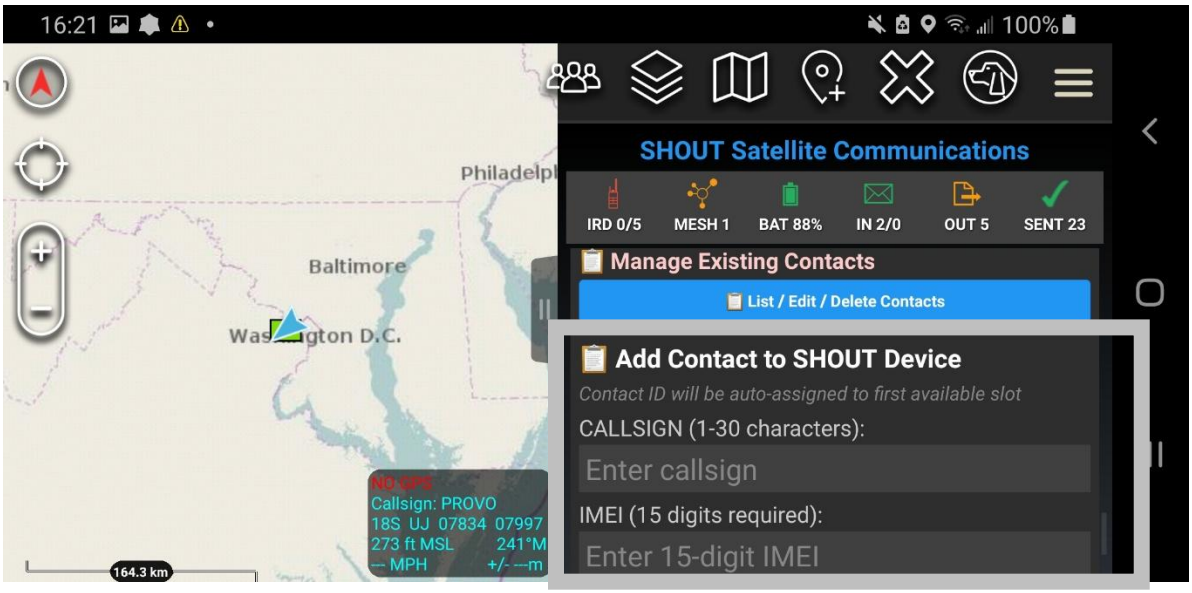


Figure 9: Create a new contact

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Location Tracking

Use the map to view the location of all connected devices.



Figure 10: Using the map to view all connected devices

Click on individual assets to see their location.

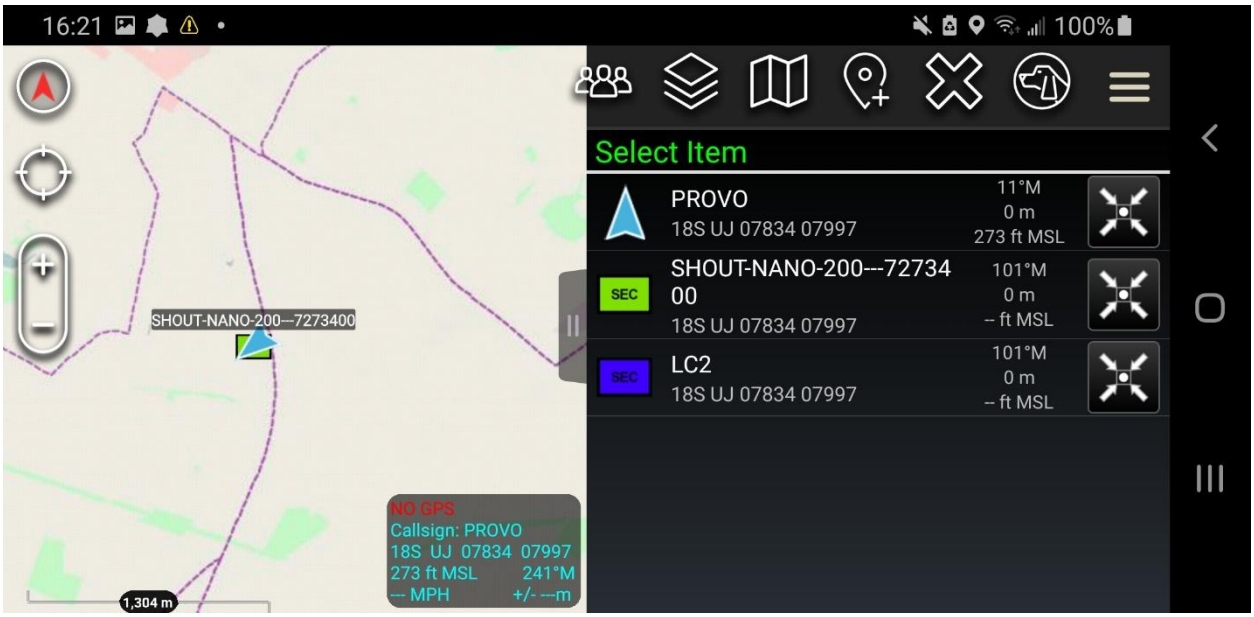


Figure 11: View individual asset location

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Location Controls

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

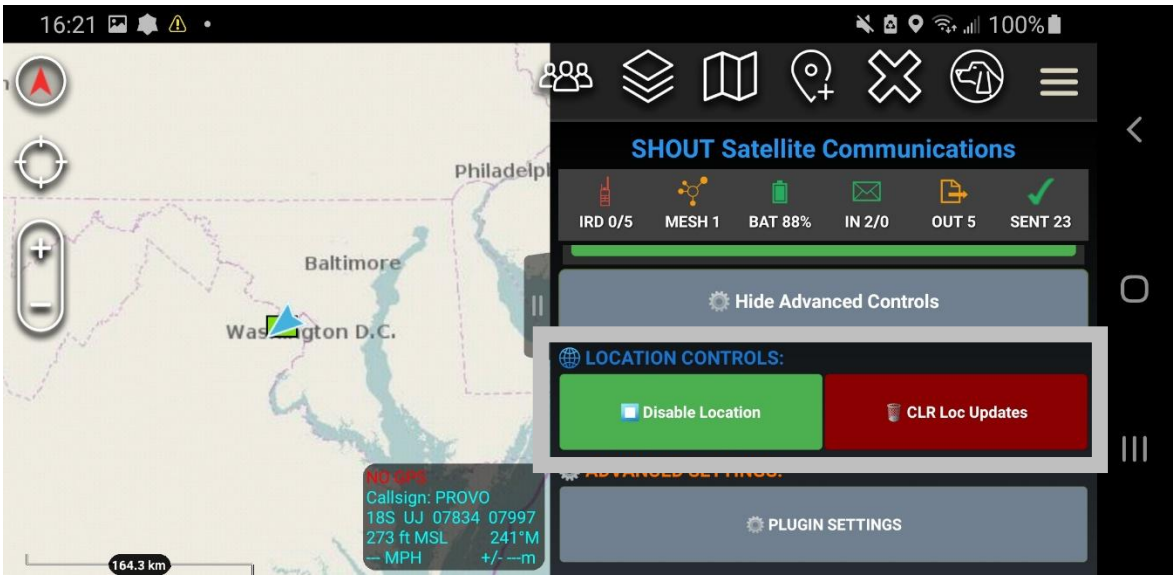


Figure 12: Location Controls

Advanced Settings

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

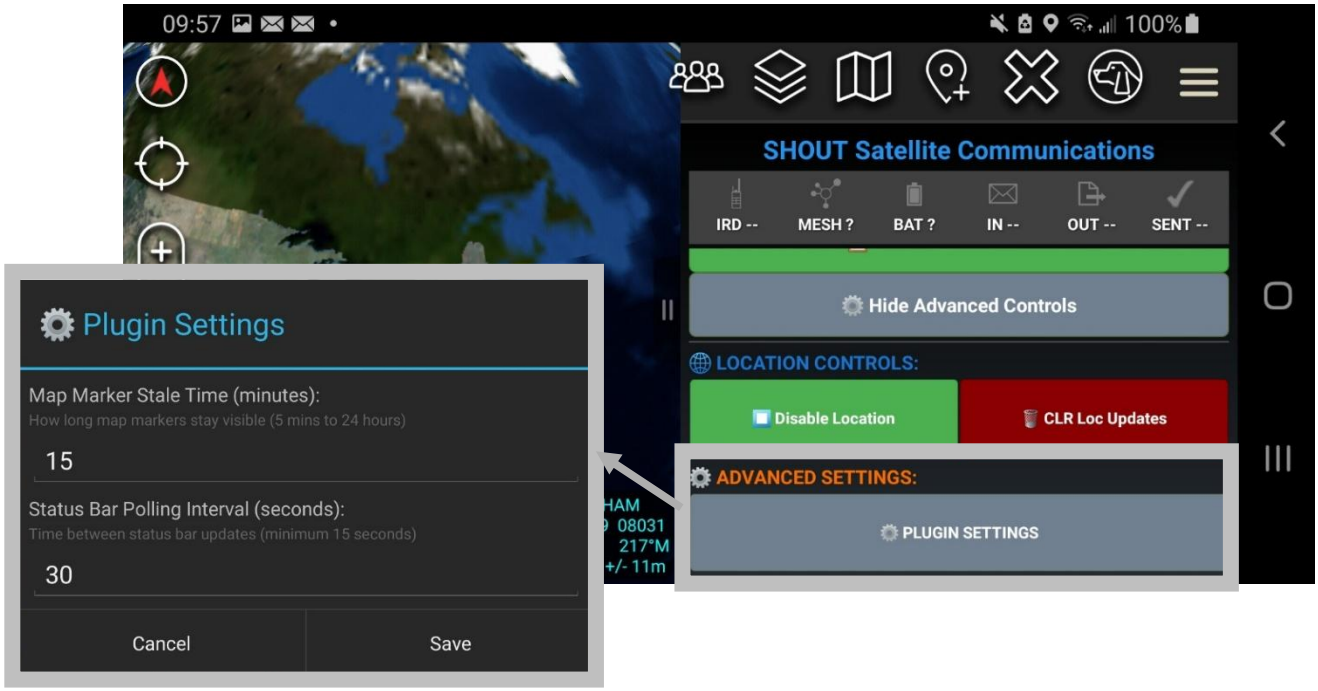


Figure 13: Advanced settings and plugin settings

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Supported Operating Systems/Versions

NAL ATAK Plugin currently supports ATAK version 5.4.0



Figure 14: ATAK version

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