



Deploy Manual 1.6.1 ATAK

Version Compatibility:

Deployment features are available on goTenna ATAK Plugin version 1.6.1 and above.

goTenna Deploy

The Deploy feature gives users the ability to share large files such as apps, TAK Data Packages, and radio configurations with their team while offline. Available on the goKit 2 tablet, the Deploy feature leverages WiFi to transfer large files to other users.

There are 2 main data types that can be deployed:

Apps: If a team member does not have the necessary apps on their phone, you can use the Deploy feature to share the appropriate app files. This is useful when a group of users do not have internet access, but need to download the correct version of the ATAK core, goTenna Plugin, or goTenna Pro App. All these apps can be stored in the goKit tablet's local storage.

Deployment Packs: Deployment packs are zip files that contain configuration information that helps your team deploy.

This includes:

- Frequency Sets
- TAK Data Packages
- goTenna encryption keys
- Maps
- Location Sharing interval

Using the Deploy feature, you can create a deployment pack and then share it over the tablet's local WiFi hotspot without an internet connection. Note that recipients of a deployment pack must have the goTenna plugin to receive the deployment pack. If they do not have the plugin, you can use the Deployment feature to share the app with them first.

Encryption note:

Deployment packs are encrypted before being transferred over the WiFi hotspot. These are encrypted using the AES 256 algorithm and decrypted by the recipient's goTenna plugin upon receipt.

App files transferred over the local hotspot are not encrypted. Consider your security requirements and environment before sharing sensitive data through the app sharing feature.

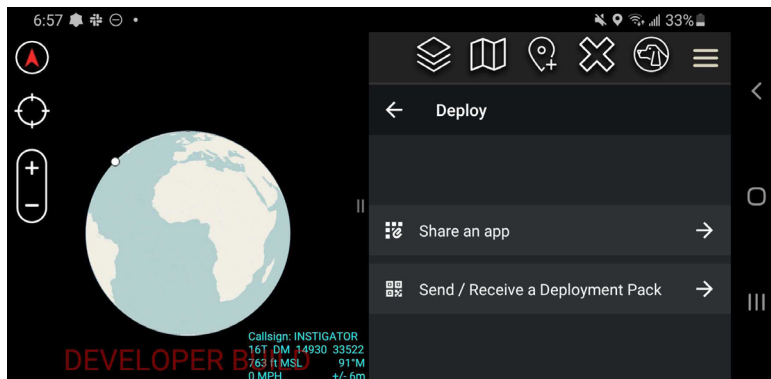
Access the deploy feature from the goKit's goTenna ATAK plugin. You must be using plugin version 1.6.1 or higher.

Share an app

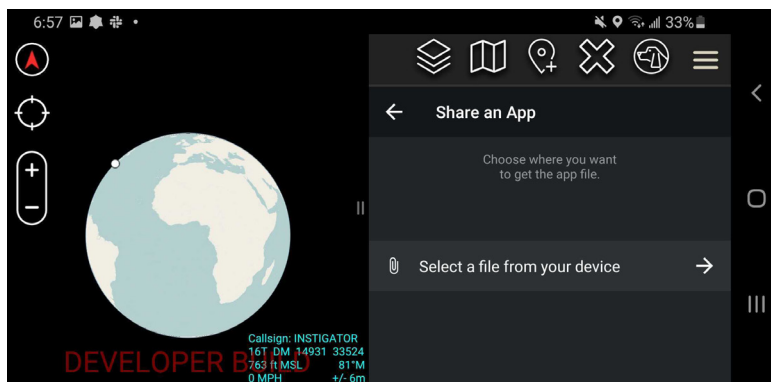
The Deploy feature allows you to share apps stored in your goKit tablet's local storage with other users on the field. This is a quick way to give users access to the goTenna Plugin or app required for deployment when they do not have internet access.

You may share apps like the ATAK Core, goTenna Pro Plugin, or goTenna Pro App with other Android devices.

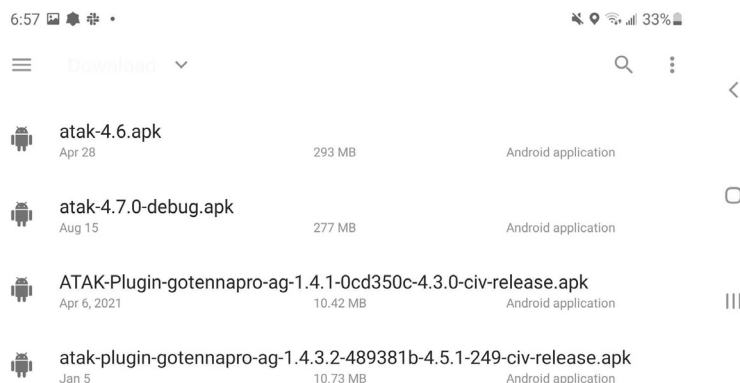
iOS apps can be shared over the hotspot, however these apps must be signed with your organization's Enterprise Developer certificate. goTenna does not supply Enterprise builds of the goTenna Pro application for iOS.

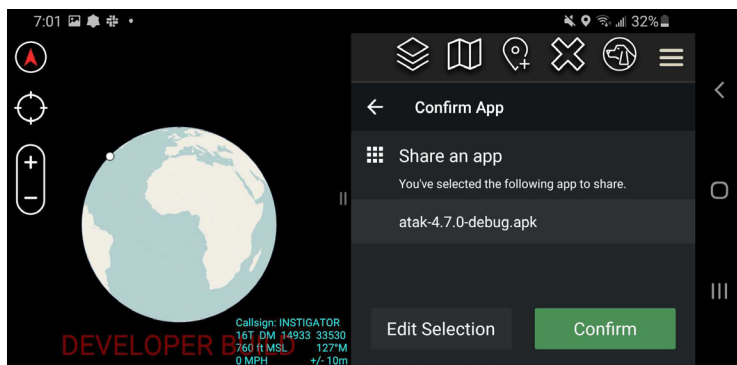


From the goTenna Plugin, navigate to Deploy and select 'Share an app.'

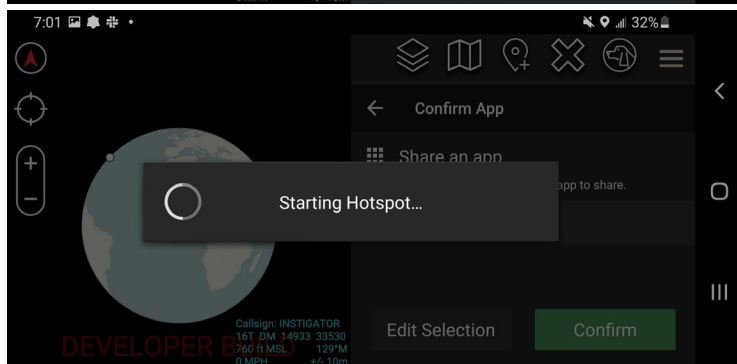


You will be directed to your goKit tablet's file browser where you can locate and select the required app file.

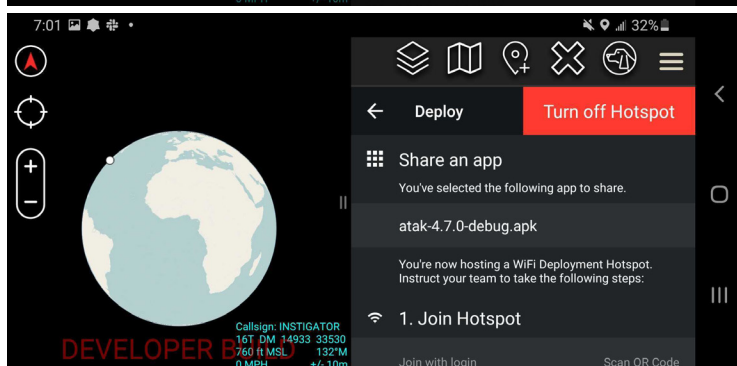




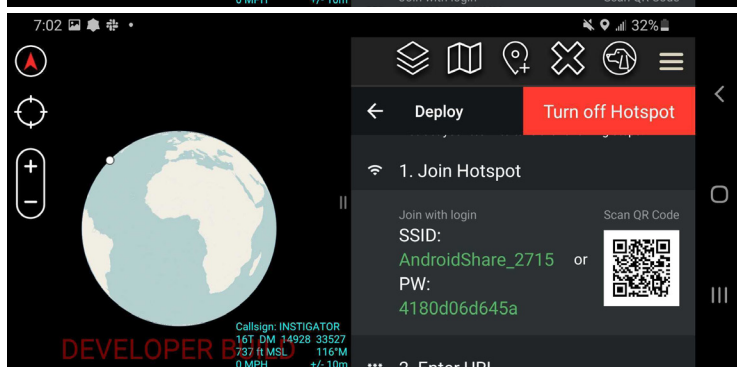
Confirm the app you would like to share.



Once you confirm the app that you want to share, the plugin will enable a local WiFi hotspot. An SSID and password will be provided for you to share with your team.



Once the plugin establishes the hotspot, the Deployment screen will be displayed. This screen will provide the steps for your team to receive the app over the hotspot.



Users can follow the steps to join a hotspot:

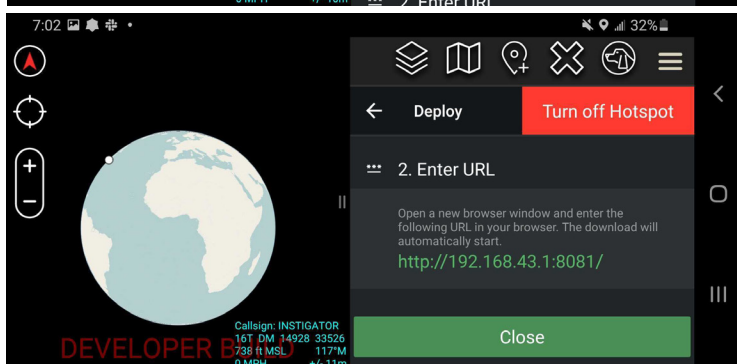
Step 1:

Log on to the Hotspot using the SSID and password via their end user device's native WiFi menu.

Step 2:

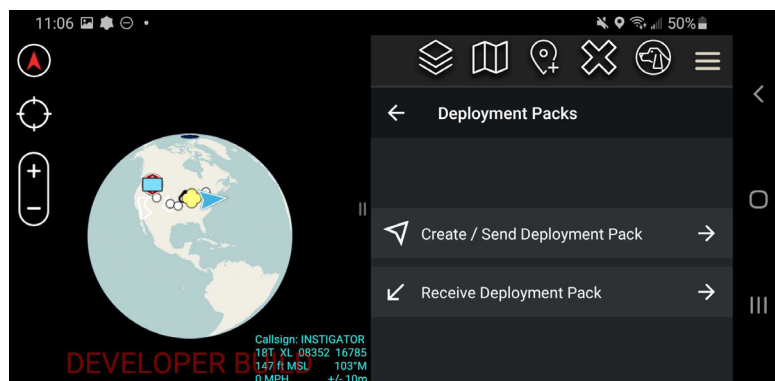
Open a web browser and enter the provided URL. Once the URL is accessed, the app will begin to transfer automatically over the hot spot. The recipient may then open the download from their downloads folder and start the installation process.

Note: The recipient may need to provide a permission to allow their web browser to download the app.

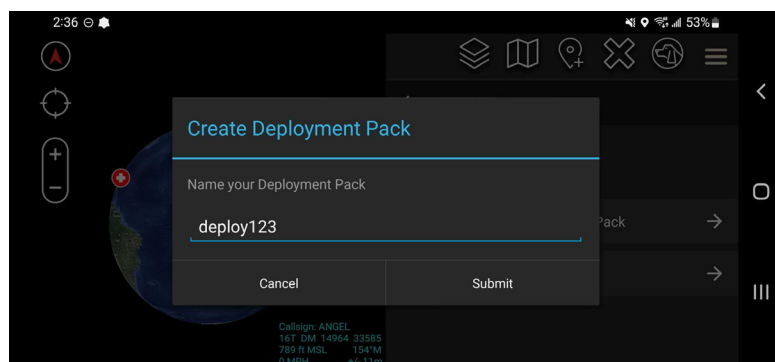


Deployment Packs

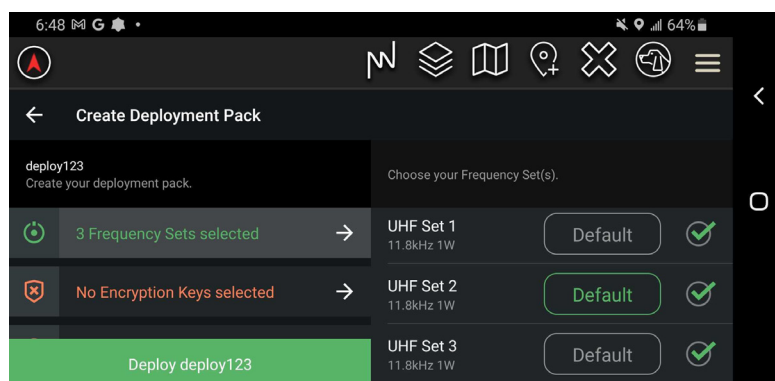
This feature allows you to share essential configuration information to your team over the WiFi hotspot so they can quickly prepare to deploy.



To begin creating a Deployment Pack, simply click Create / Send Deployment Pack.

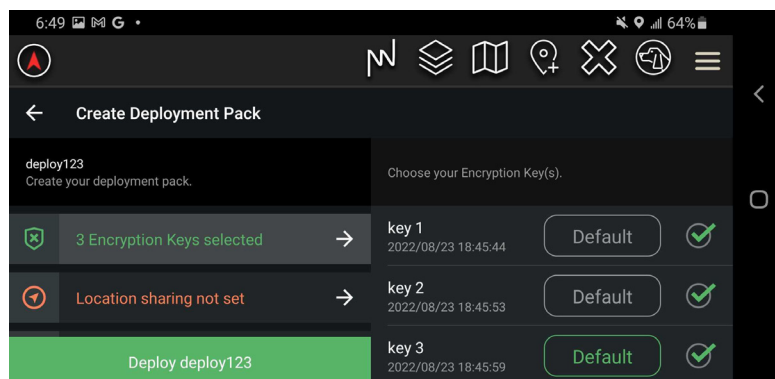


You will be required to generate a unique name for your deployment pack. This is the name users will see when they receive your deployment pack.

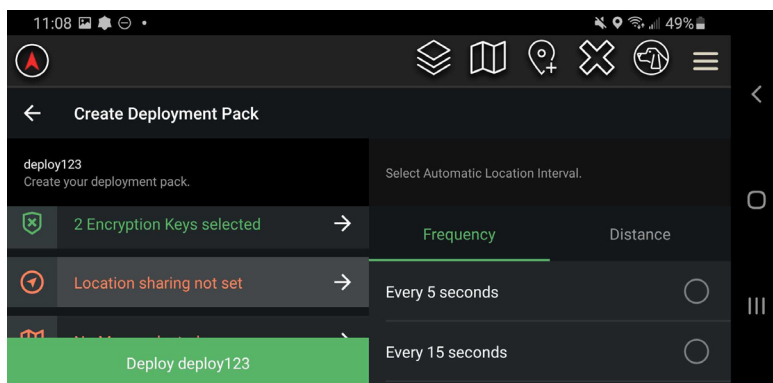


After creating and naming a Deployment Pack, you will see an overview of all the content that can be included in your Deployment Pack. By default, the Deployment Pack will be empty and you may choose to share as many or few items as needed. The items that you can share in your configuration are shown on left.

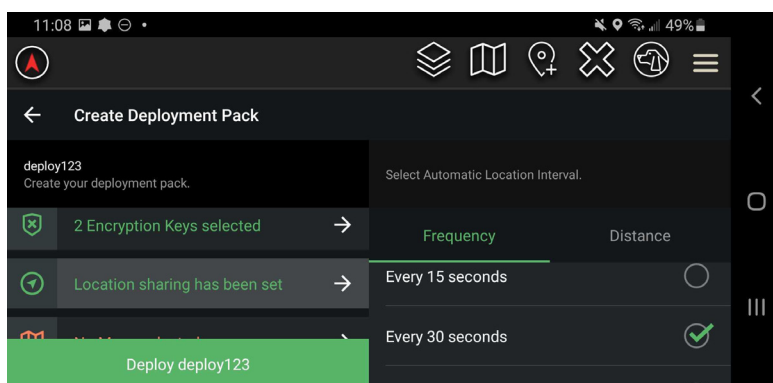
Select frequency sets to share with users by clicking the circle on the right hand side. A green check mark indicates that a frequency set will be shared. You can select one 'Default' frequency which users will automatically tune their Pro X radios to. All checked frequency sets will be saved on receivers' devices.



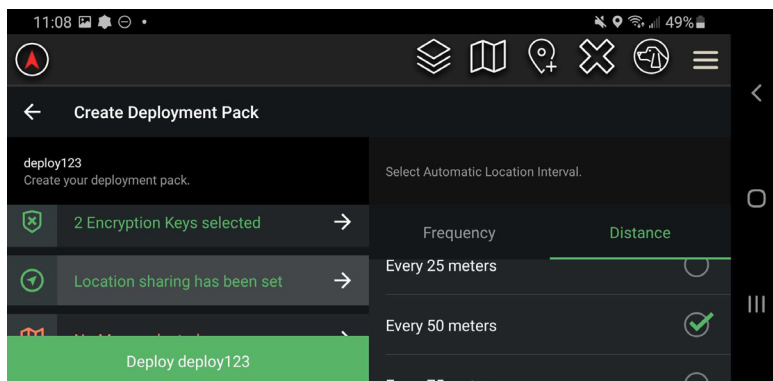
Select encryption keys to share with users by clicking the circle on the right hand side. Encryption keys can be created in the goTenna Pro ATAK plugin using the 'Encryption Key' feature. A green check mark indicates that an encryption key will be shared. You must select one 'Default' encryption key which users will automatically have set upon receipt. All checked encryption keys will be saved on receivers' devices.



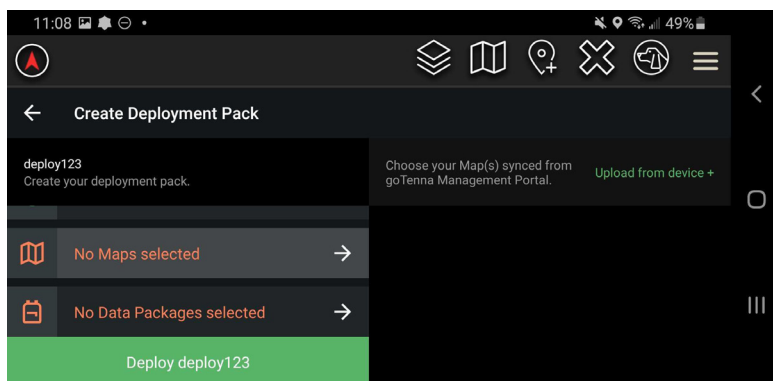
Users can share their location based on a time or distance interval. Shorter intervals will lead to more transmissions on the network and potential network congestion. You can control the automatic location update interval to suit your deployment.



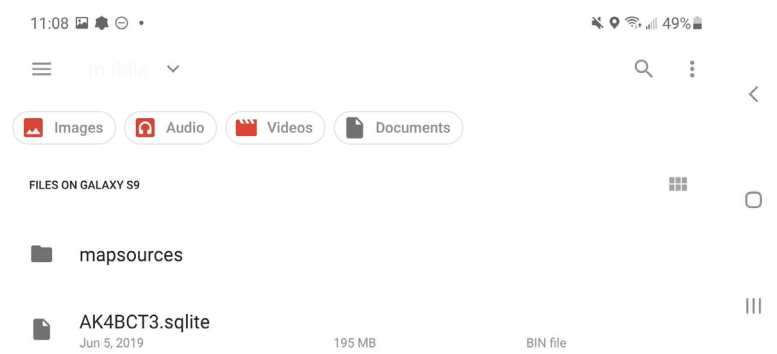
Time intervals range from 5 seconds to 500 seconds. Location intervals range from 25 meters to 500 meters, but will have a minimum and maximum automatic update interval of 5 seconds and 5 minutes respectively. You can only share one location interval in a deployment pack.



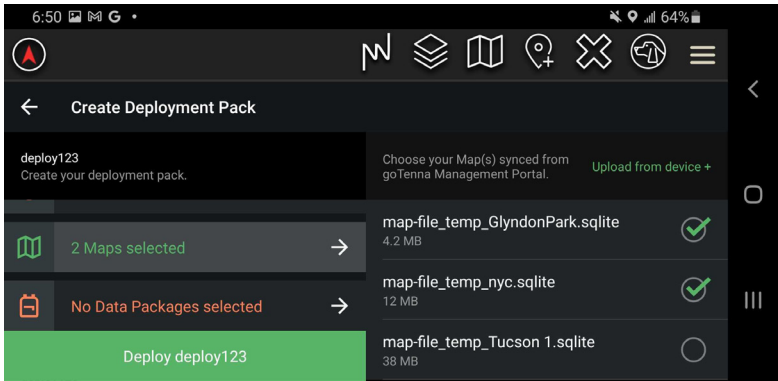
Select the distance tab to reveal the position update distance intervals. Here you can set location sharing based on a distance interval instead of a time interval.



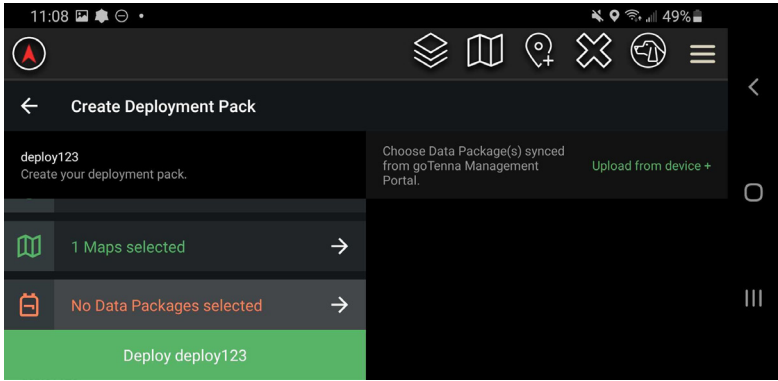
Here you share map sqlite files with users in your deployment. While online, maps will stream for all users, but during offline use, users will be limited to maps saved in their local device storage. Clicking 'Upload from device' will direct you to your goKit tablet's ATAK maps folder.



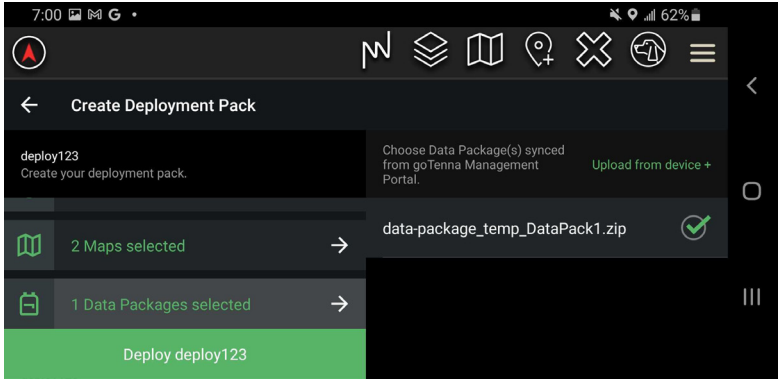
Select the map(s) you would like to include in your Deployment Pack.



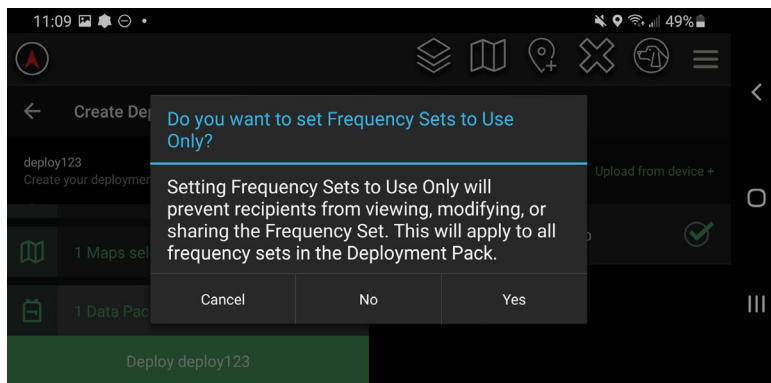
Check the circles on the right hand side to include these maps in your Deployment Pack.



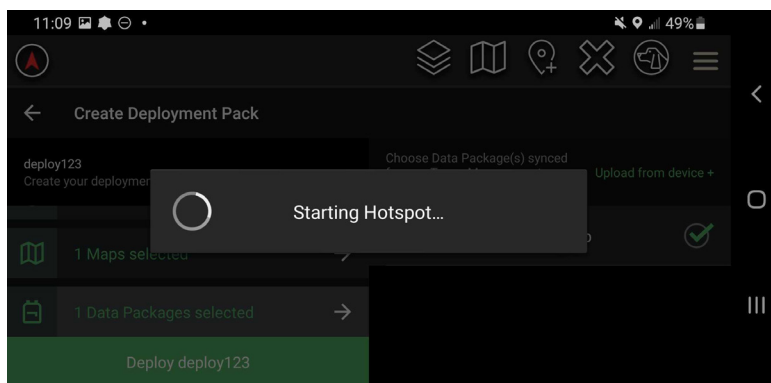
Data Packages: ATAK Data Packages (formerly known as Mission Packs) can also be included in Deployment Packs. Data Packages contain larger data files like map overlays, pictures, videos, and routes that would not normally be sent over the goTenna Pro X network. Click 'Upload from device,' in the upper right corner of the screen, to access your goKit tablet's local device storage. Data Packages should be saved and uploaded as zip files.



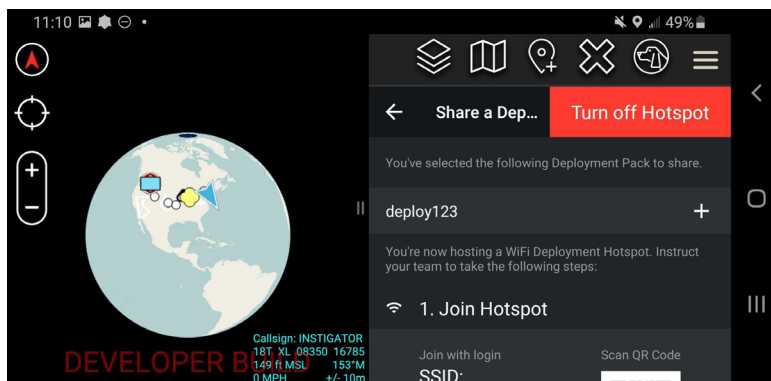
Select the Data Package(s) you would like to share in your Deployment Pack.



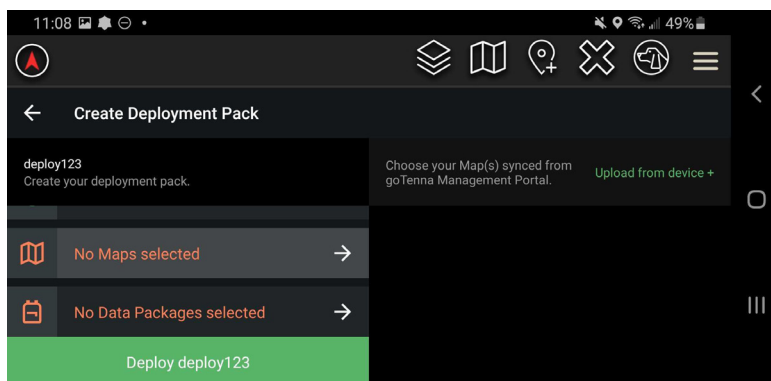
Click 'Deploy [Deployment Pack Name]' to start your deployment. You will be asked if you want to set frequency sets to use only. This will prevent recipients from viewing, modifying or sharing the frequency sets in this Deployment Pack.



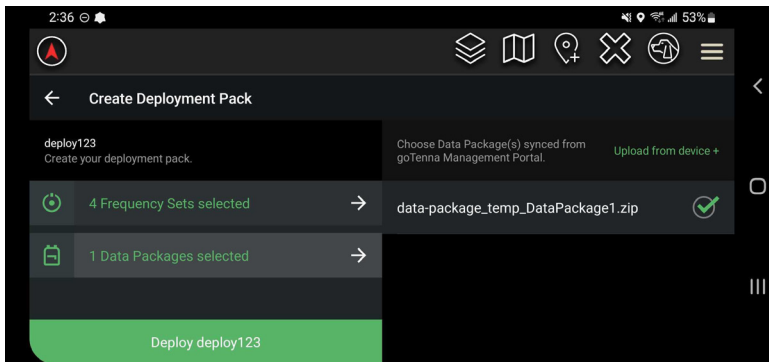
The hotspot will automatically start from within the plugin.



A QR code along with steps to connect to your local goKit hotspot will appear. For best performance, we recommend 4-6 users on the hotspot at any given time, depending on the size of the deployment pack.

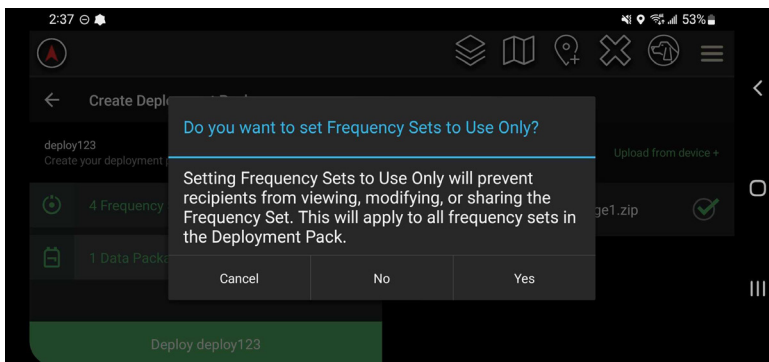


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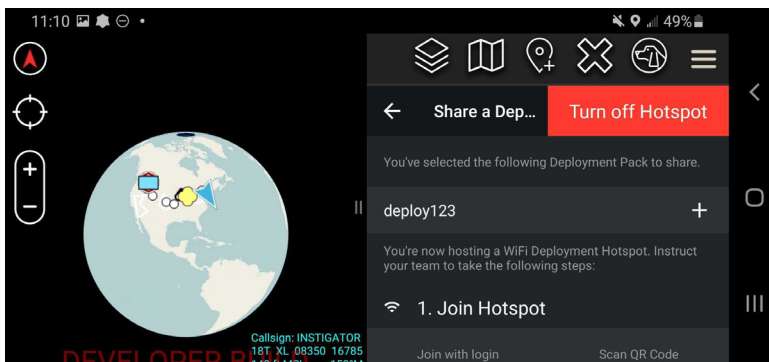
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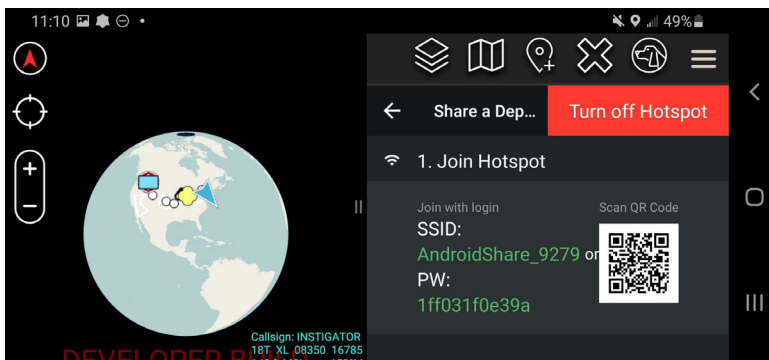


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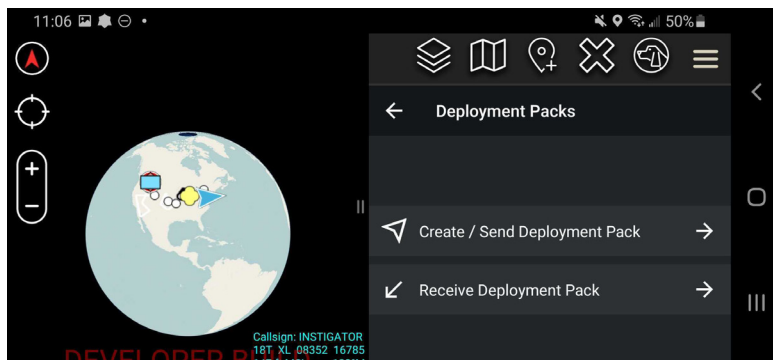
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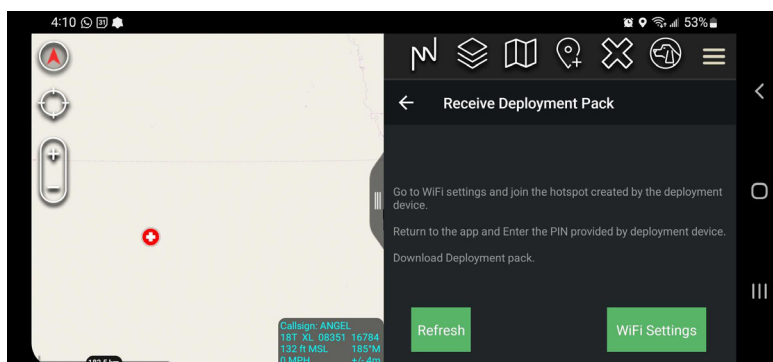
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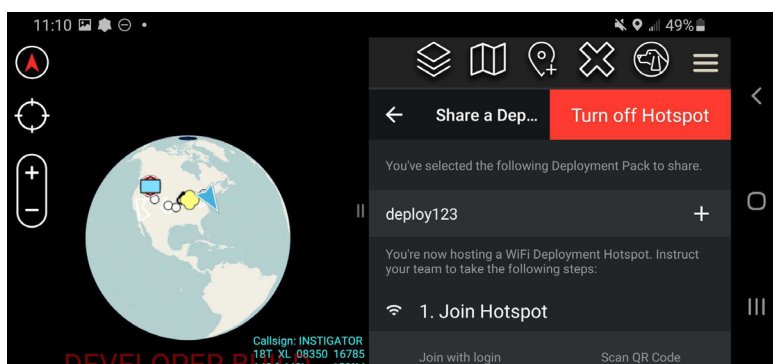
Users can scan the QR code via their plugin.



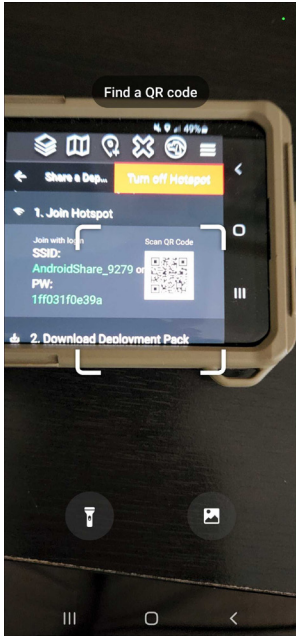
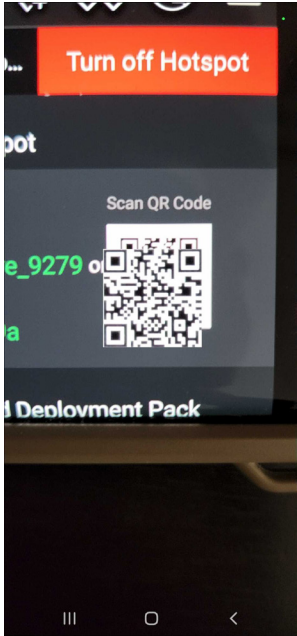
Users should select 'Receive Deployment Pack via 'Deployment Packs' in the plugin.



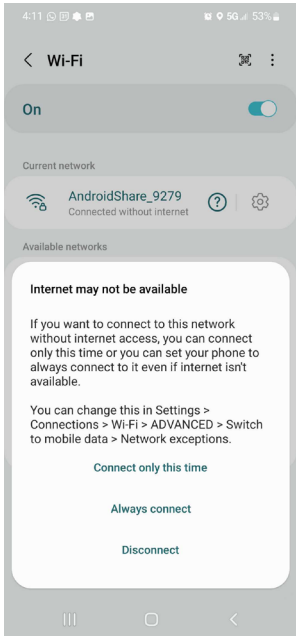
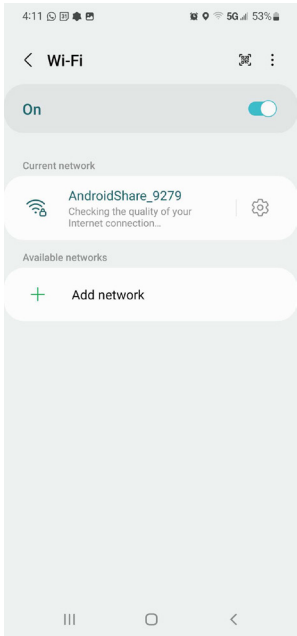
Recipients should connect to the WiFi hotspot before opening their plugin to download. Users can click WiFi Settings to join the goKit's hotspot.



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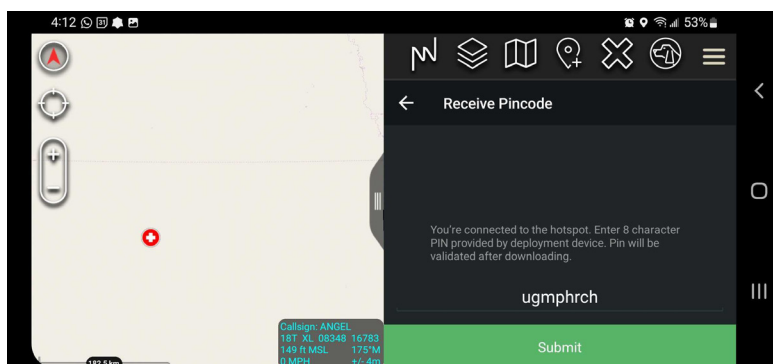


Scanning the QR code through WiFi Settings is the simplest way to connect.

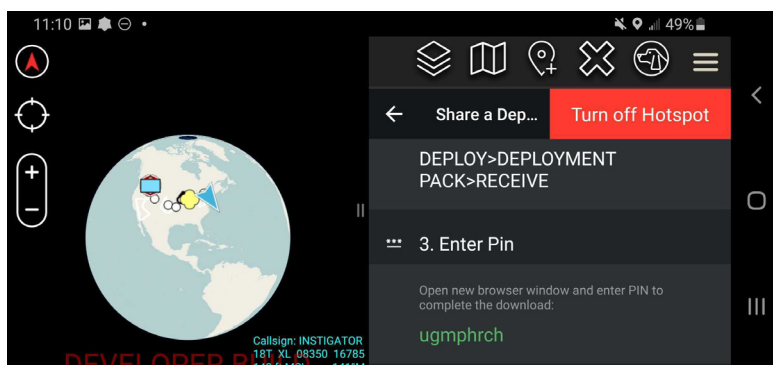


Alternatively, users can enter the SSID and password.

The goKit hotspot may yield a warning, 'Internet may not be available.' Users can select 'Connect only this time' or 'Always connect' to bypass this warning.



When returning to the app, users will be prompted to enter a pin. This pin can be found in Step 3 of the deploying goKit tablet.



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Upon successful PIN entry and download of the deployment pack, the user will be asked to Activate the deployment pack. This will tune their radio to the default frequency set, set their PLI Sharing interval, and set the default encryption key as their active key. Mission packs and maps will be saved with other TAK data packages.

goTenna

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