

# goTenna PRO DEPLOYMENT KIT 2

## **Deploy Feature for ATAK Plugin**

**NOTICE: Features described here reflect a full featureset that may not be available at this time. Check the goKit app for the latest plugin updates or contact [prosupport@goTenna.com](mailto:prosupport@goTenna.com)**

**Version Compatibility:**

Deployment features are available on goTenna Pro ATAK Plugin version 1.6.0 and above for goKit Users.

## goTenna Deploy

The Deploy feature gives users the ability to share large files such as apps, data packages, and radio configurations with their team while offline. Available on the goKit 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 essentially zip files that contain configuration information that helps your team deploy.

This includes:

- Frequency Sets
- 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 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.

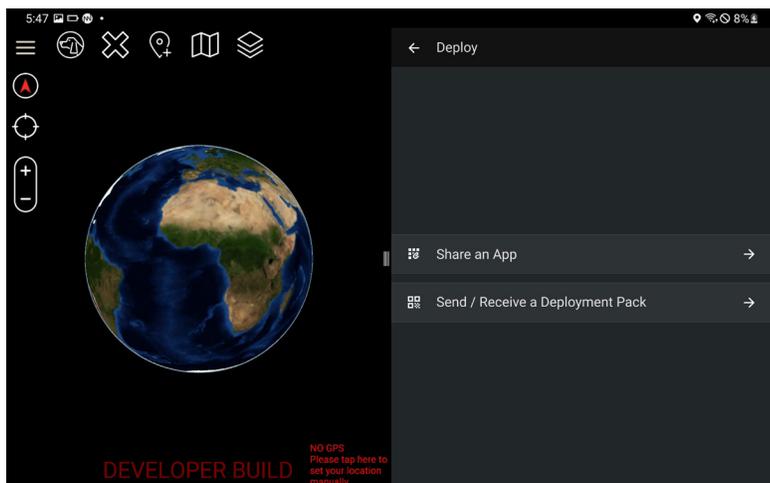
Access the deploy feature from the goKit's goTenna ATAK plugin. You must be using plugin version 1.6.0 or higher.

## Share an app

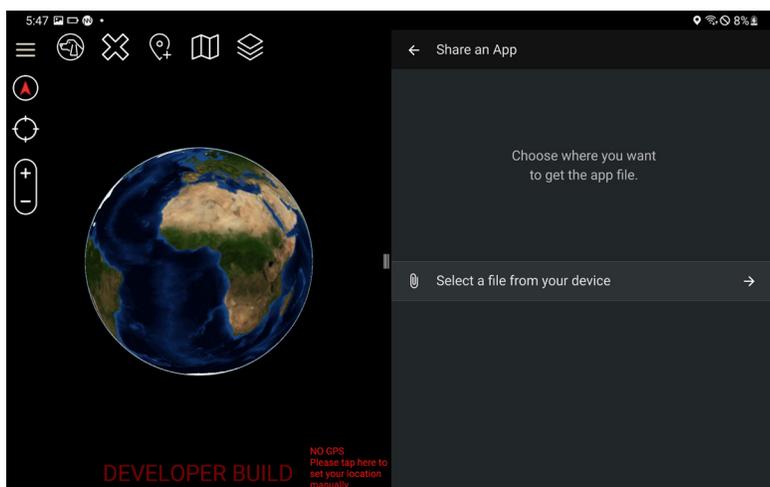
The Deploy feature allows you to share apps stored in your goKit tablet's local storage with other users on the field. This is a quick way to give users access to the goTenna Plugin or app required for deployment when they do not have internet access.

You may share apps like the ATAK Core, goTenna Pro ATAK 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.

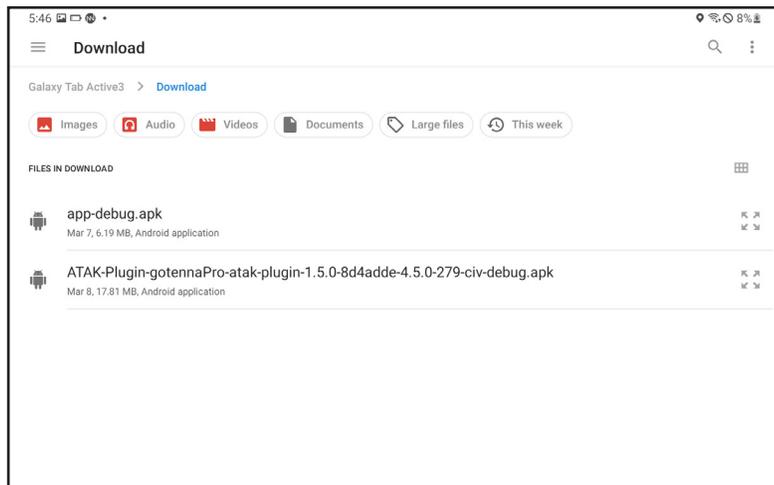


Select Share an App from the Deploy Menu.

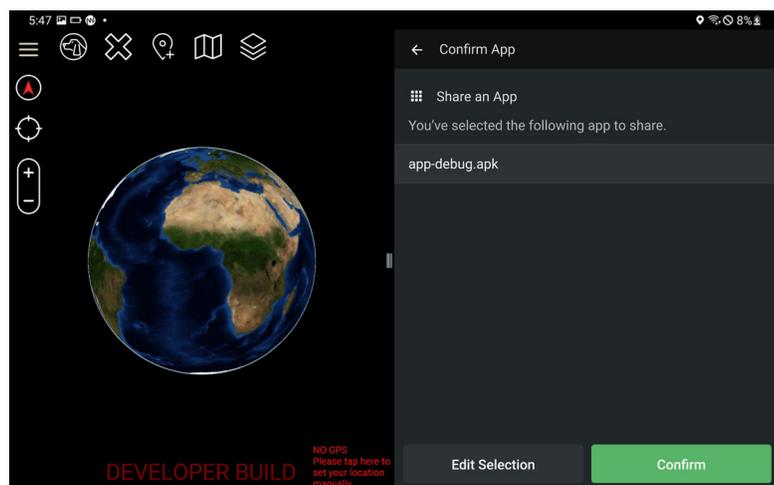


Click "Select a file from your device".

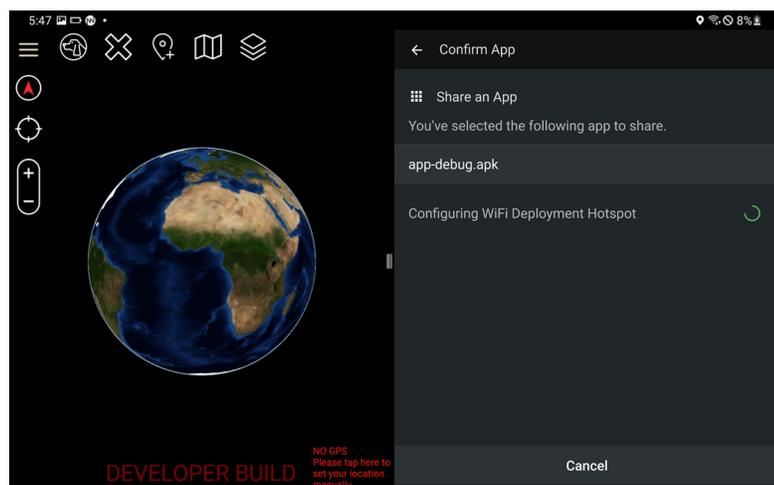
## Share an App (continued)



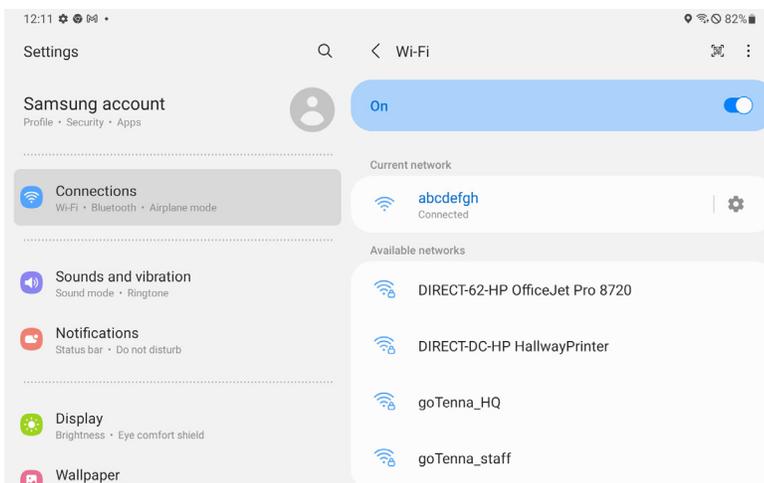
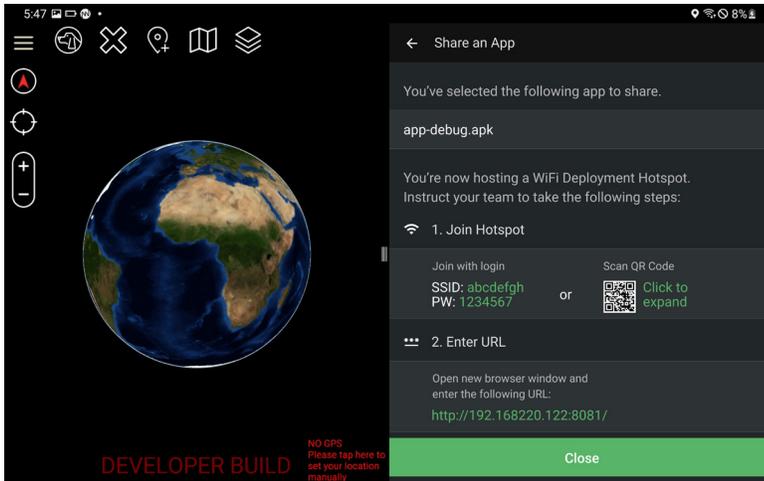
You will be directed to the device's file browser where you can locate and select the required app file.



Click Confirm once you've selected the app.



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.

#### Step 1:

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

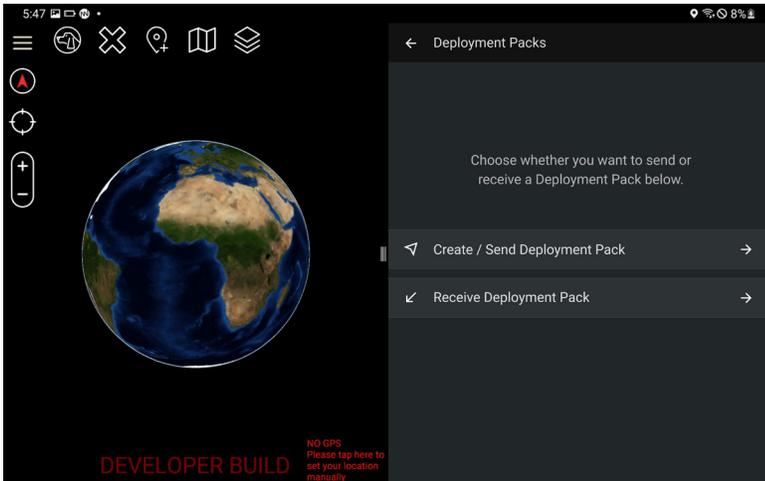
#### Step 2:

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

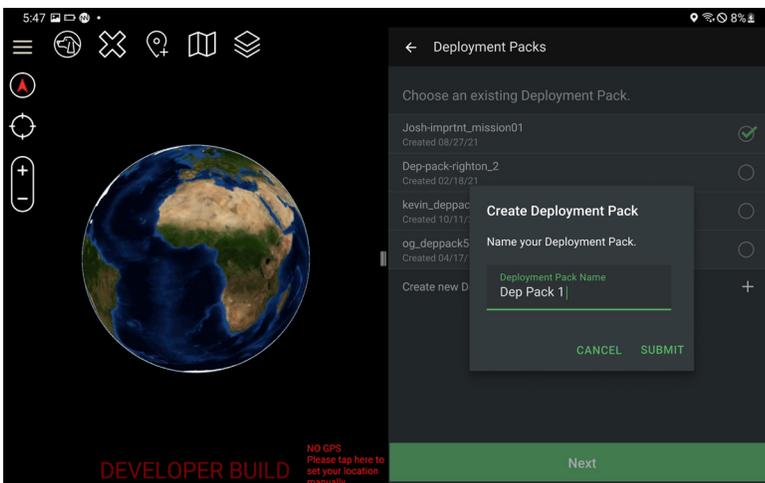
**Note:** The recipient may need to provide a permission to allow their web browser to download and install the app.

## Deployment Packs

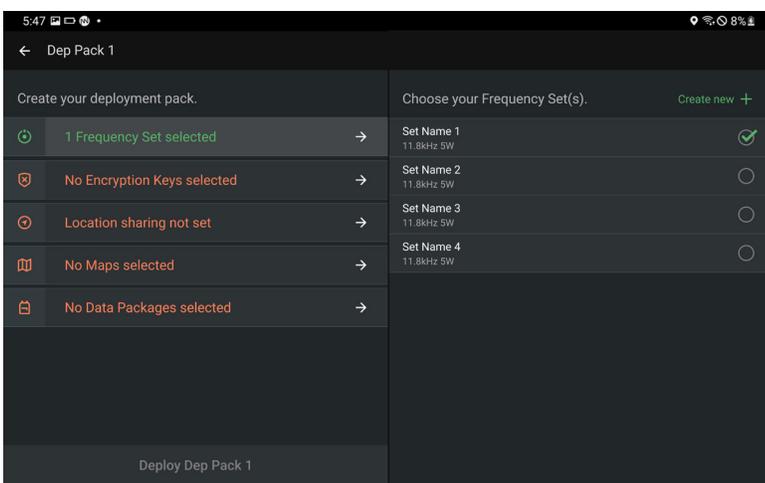
This feature allows you to share essential configuration information to your team over the WiFi hotspot so they can quickly prepare to deploy.



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.

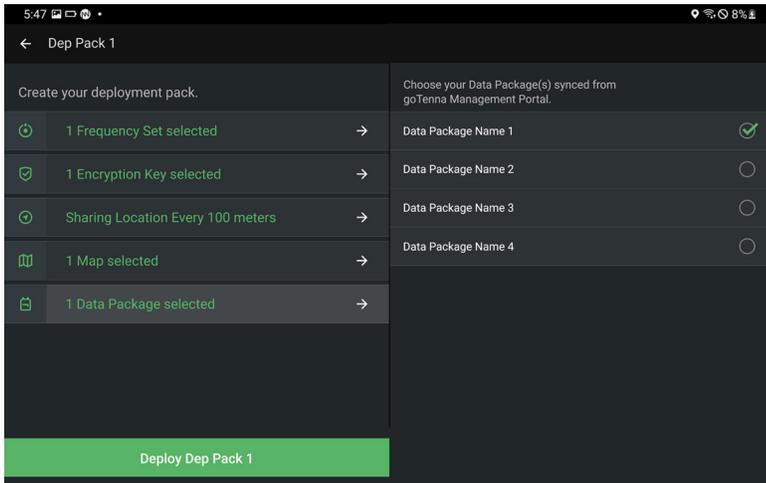


After creating and naming a Deployment Pack, you will see an overview of all the content that can be included in your Deployment Pack.

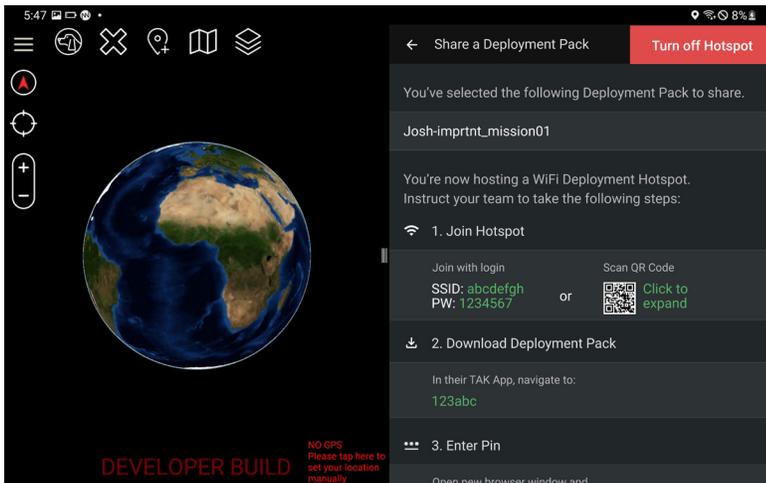
By default, the Deployment Pack will be empty and you may choose to share as many or few items as needed. The items that you can share in your configuration are as follows:

- **Frequency sets:** Frequency sets are required for communication between goTenna Pro X users. They contain the frequencies that each goTenna Pro X radio will transmit/receive on. You can share one or many frequency sets through Deployment Packs.
  - You will have the option to choose frequency sets assigned to you by your admin or to create your own frequency sets per deployment.
  - Users can receive multiple frequency sets but can only tune to one frequency set at a time. You can select a default frequency set that users will automatically tune to.
- **Encryption keys:** Messages sent over the goTenna network are unencrypted by default. This includes PLI updates, map objects, and chat messages. To encrypt messages, users must generate an encryption key and share it with their team. All team members should use the same encryption key so that messages can be received by everyone. Users can decrypt messages from multiple encryption keys at a time as long as they have those encryption keys saved, but they can only send encrypted messages on one key at a time. When sharing an encryption key in a deployment pack, select a key that has already been created. The key that you set as default is the key that will be automatically set upon receipt of the deployment pack.
- **Location:** 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 300 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.
- **Maps:** Select map files from your device and share them with other users offline through Deployment Packs. When operating offline users will be limited to maps saved in their local device storage.
- **Data Packages:** ATAK data packages can also be included in Deployment Packs. Select these data packages from your local device storage.

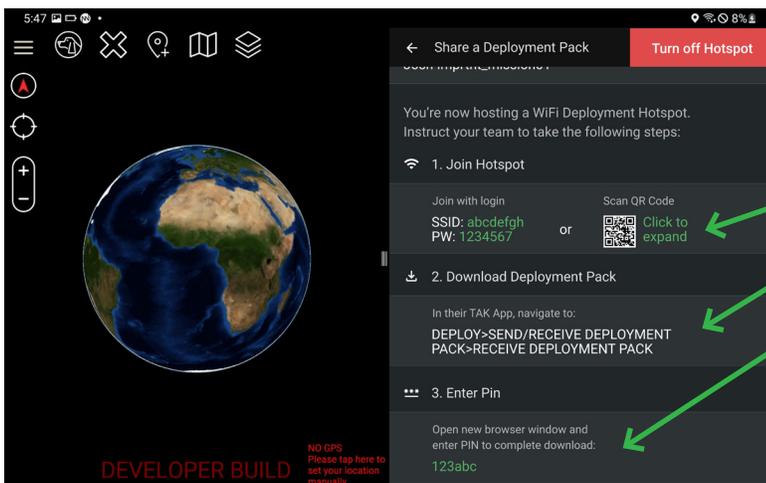
## Sharing a deployment pack



To share a deployment pack click the green Deploy button once you have selected all of the contents of the package. The plugin will then enable a WiFi hotspot.

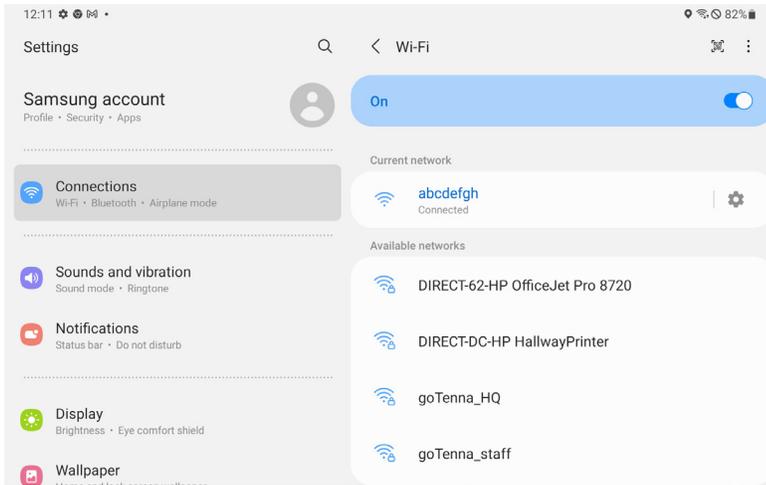


Once the plugin establishes the hotspot, the Deployment screen will be displayed. This screen will provide the steps for your team to receive the app over the hotspot.



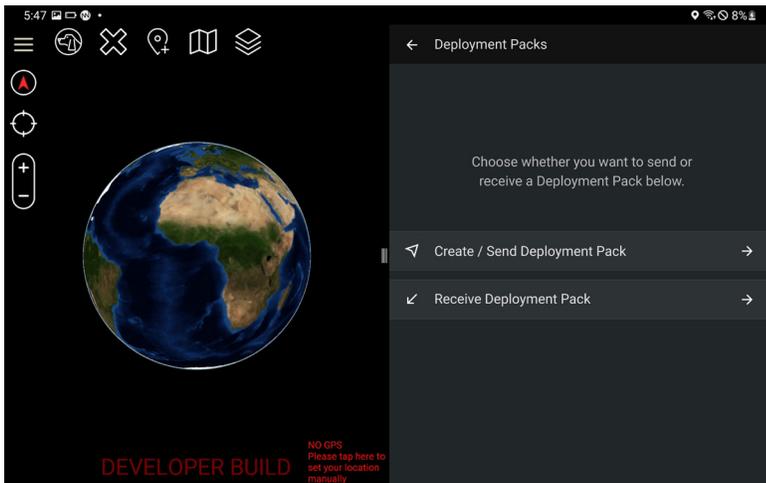
- Hotspot information for team to join.
- Where users need to navigate to in their app.
- Pin Users will be prompted to enter.

## Receiving a deployment pack



**Step 1:**

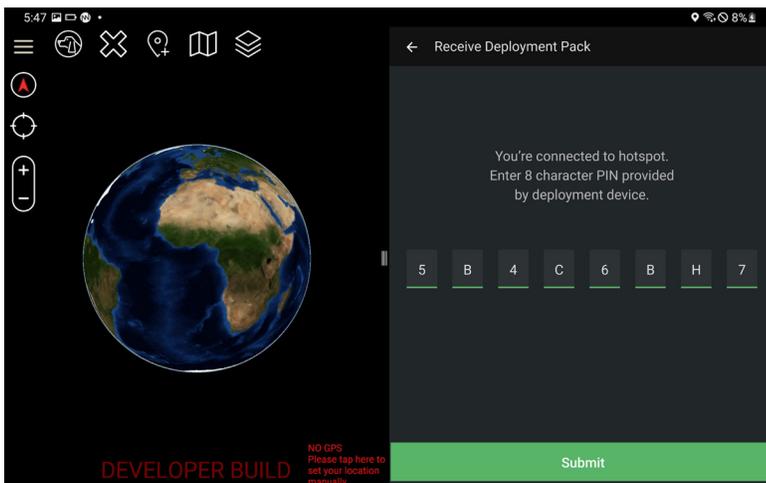
Users can log on to the hotspot using the SSID and password via their end user device's native WiFi menu.



**Step 2:**

Instruct your team to open their plugin and navigate to:

**DEPLOY>SEND/RECEIVE DEPLOYMENT PACK>RECEIVE DEPLOYMENT PACK**



**Step 3:**

The user will be asked to Enter a PIN to complete the download. This PIN is provided by the deployment device hosting the hotspot. (See page 8)

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. Data packages and maps will be saved with other TAK data packages.

goTenna PRO

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