APRS.fi

iPhone Installation

(Android Installation in Next Section)

How to install and setup APRS.fi on your iPhone.

*The following steps will guide you through setting-up **APRS.fi** on your iPhone.*

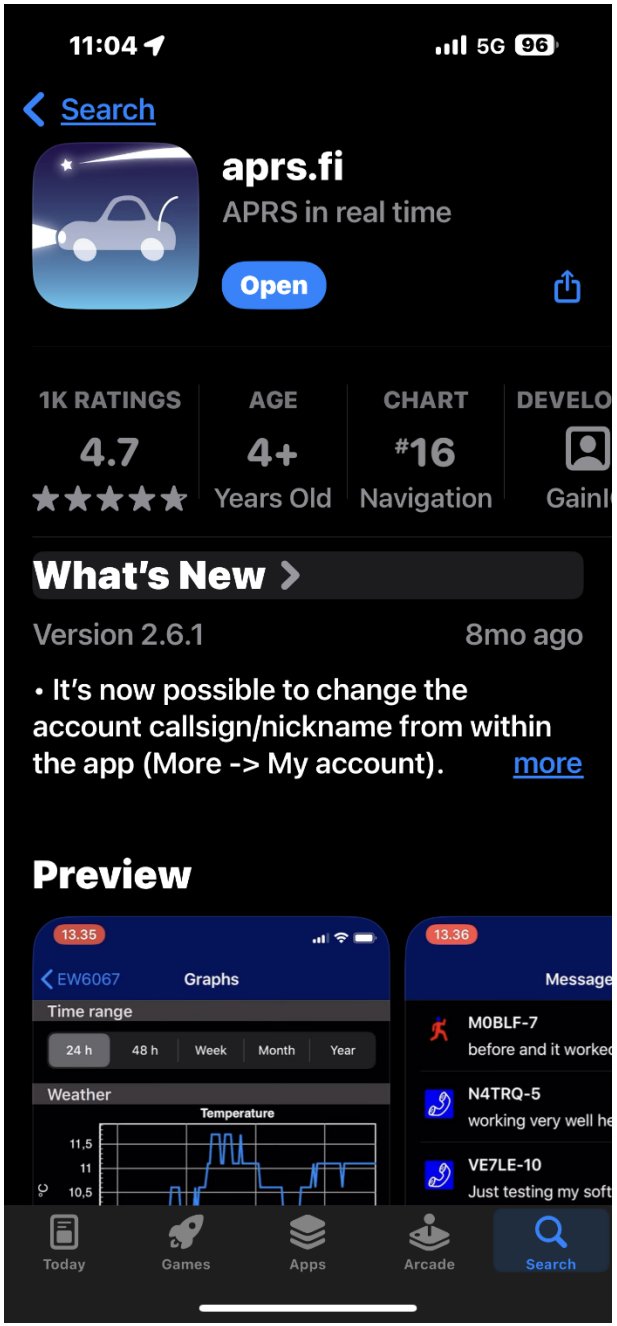
The Goal: Continue to increase the number of APRS beacons from our volunteers at Public Service Events.

The Benefit: When Net Control can see the event map with overlays that include the Route, APRS with tactical callsigns, Checkpoints, Hotspots, Rest Stops, they can provide a much more accurate and timely response for the event.

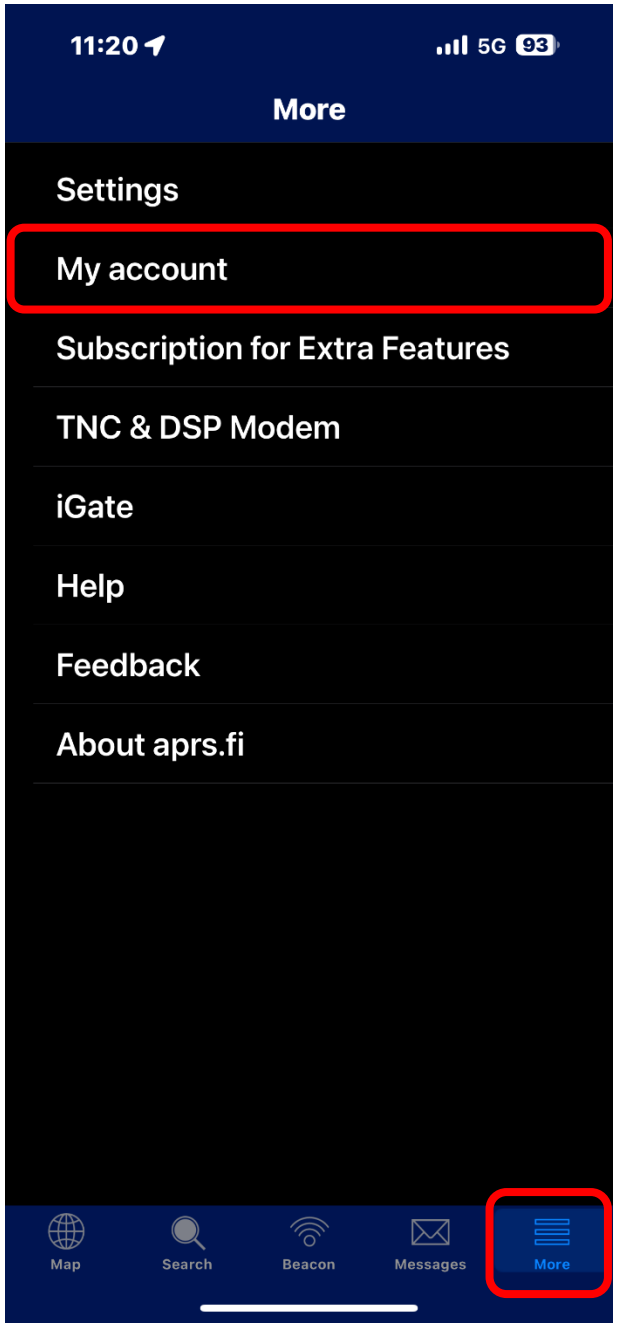
Regarding PSE events, there are volunteer positions that are **mobile**, such as Tail End Charlies, and SAGS with other positions being **static**, such as Rest Stops, Hot Spots, etc.

The following instructions will provide settings that are specific to both mobile, and static positions. Mobile instructions will be **green text**, and Static instructions will be **red text**.

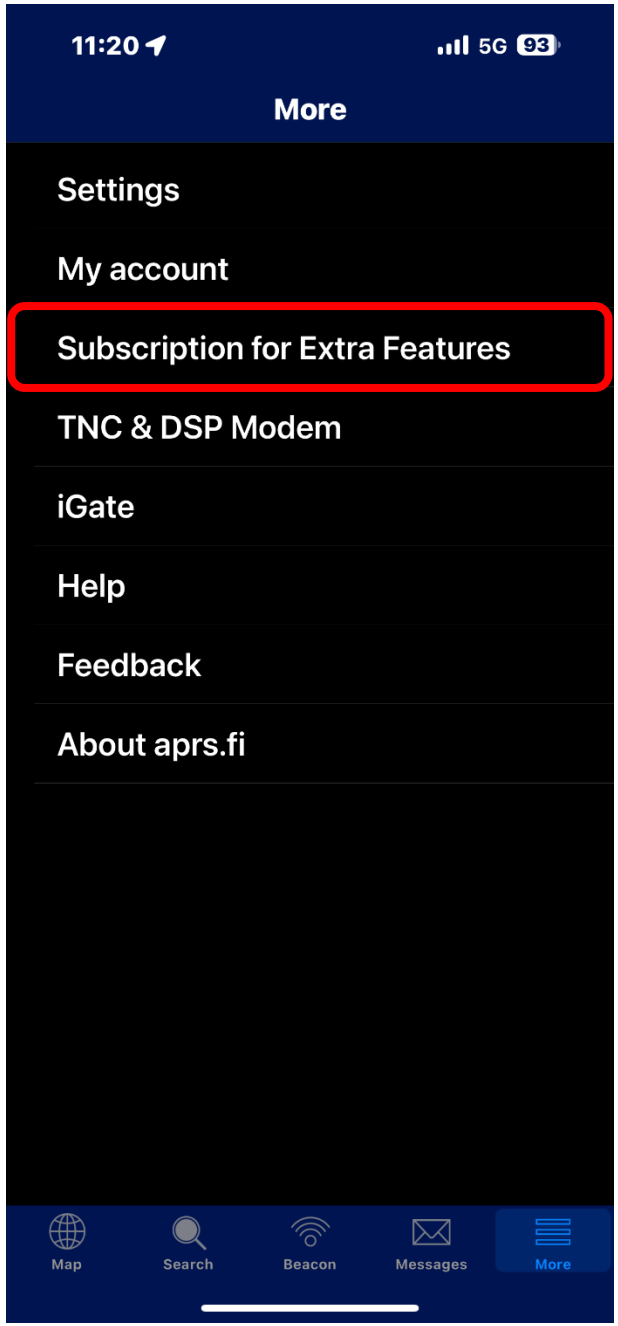
Install “aprs.fi” application from the App Store. Once installed, launch the app.



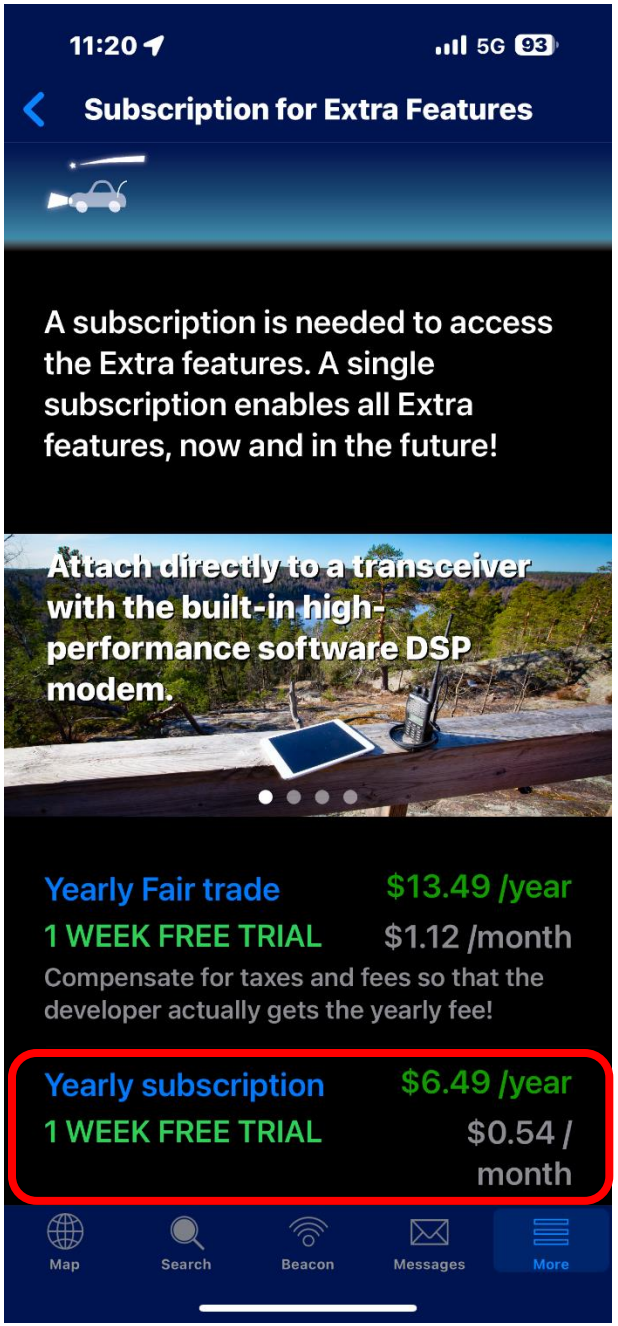
Click the “More” button, select “My Account” to create a new account.



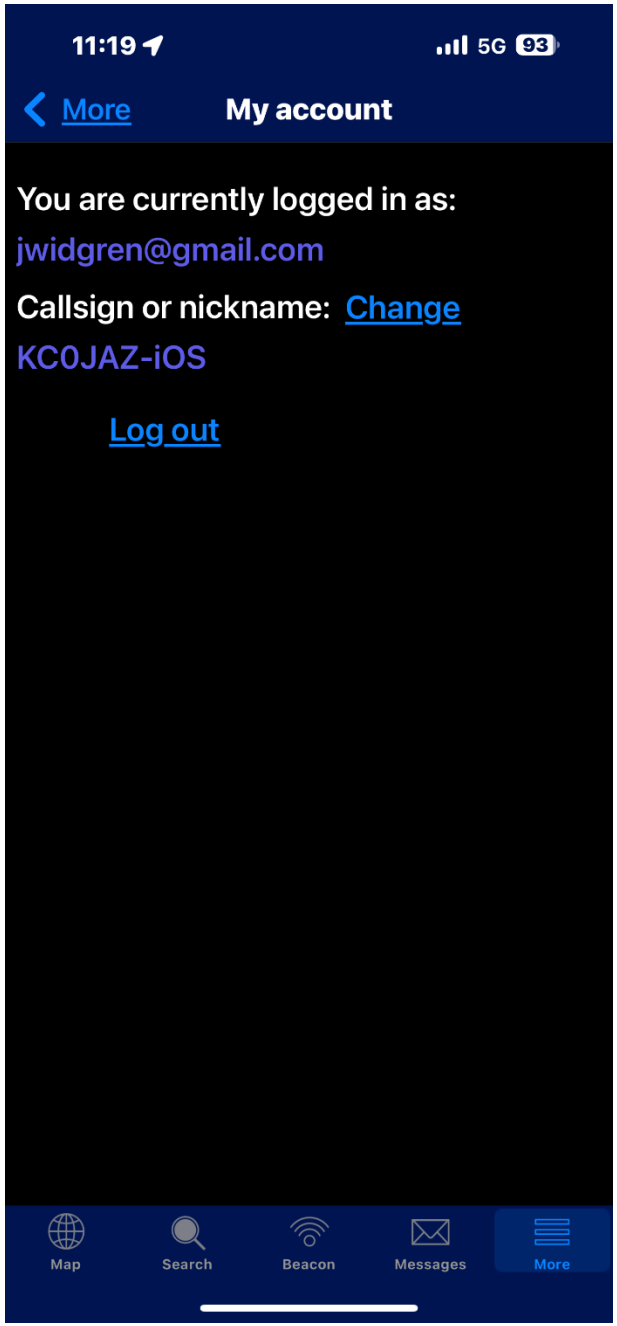
Select “Subscription for Extra Features”. Subscription is required.



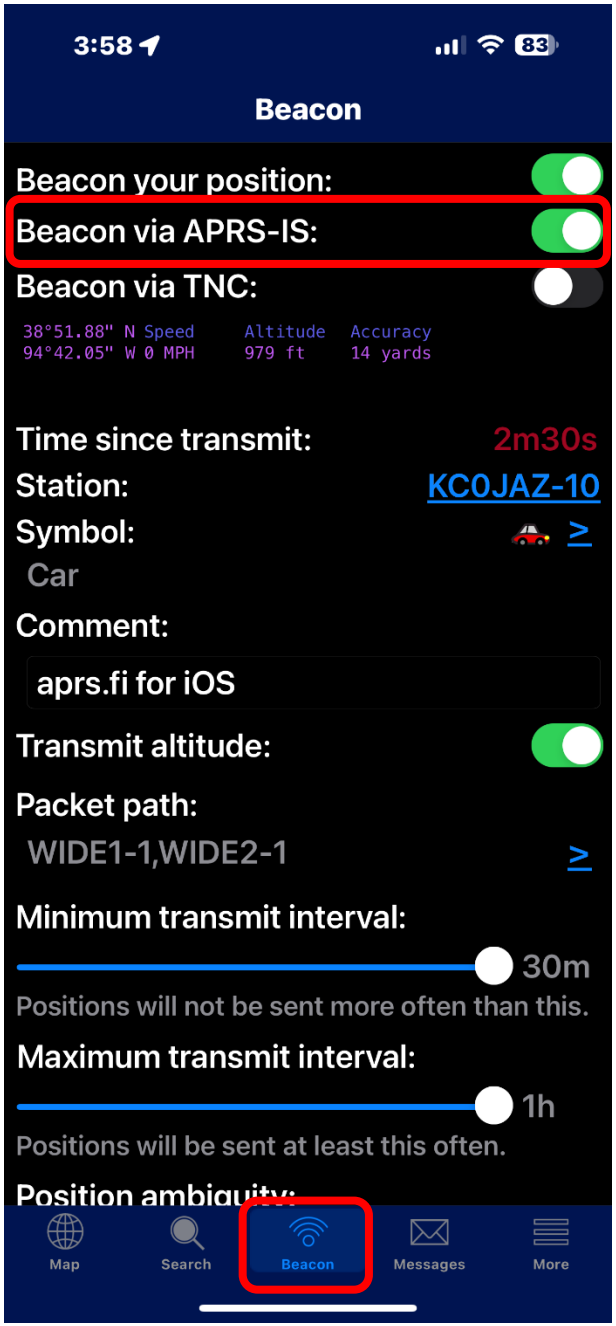
Select the $6.49/yr subscription to add the extra features that are required.



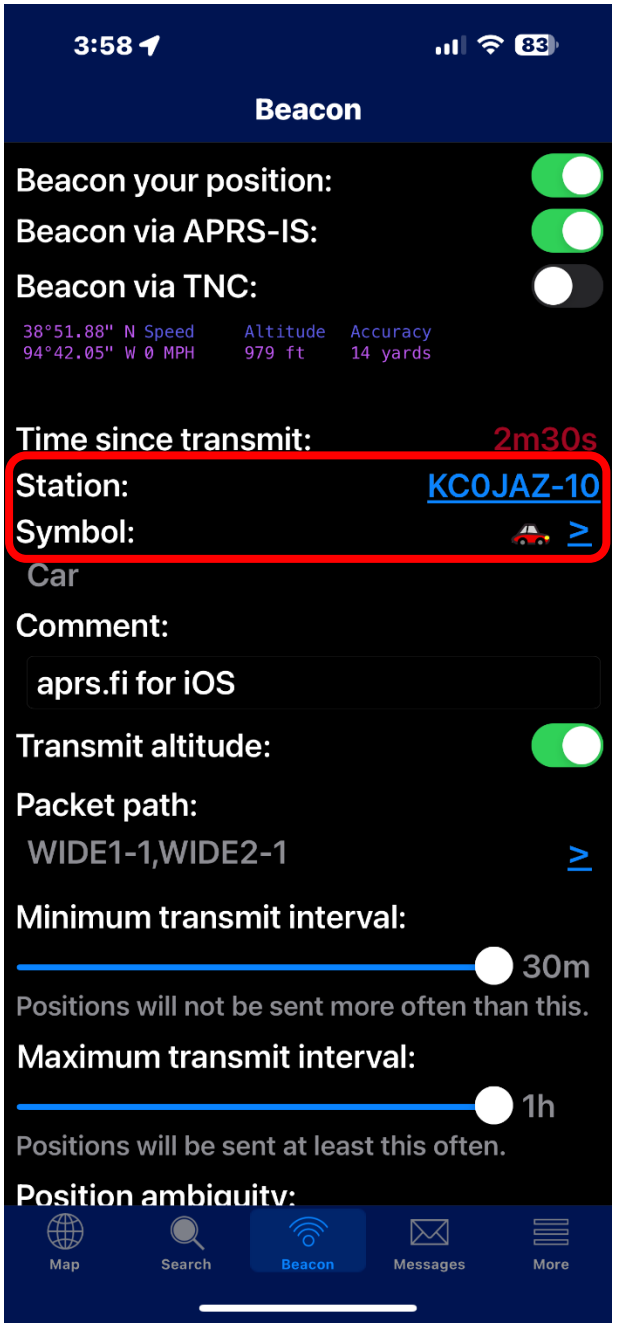
Confirm that you're logged in with your new account and enter your callsign.



Click the "Beacon" icon. Turn-on "Beacon via APRS-IS". Enter your "Station".



Set your Station.
Set your Symbol.



WARNING

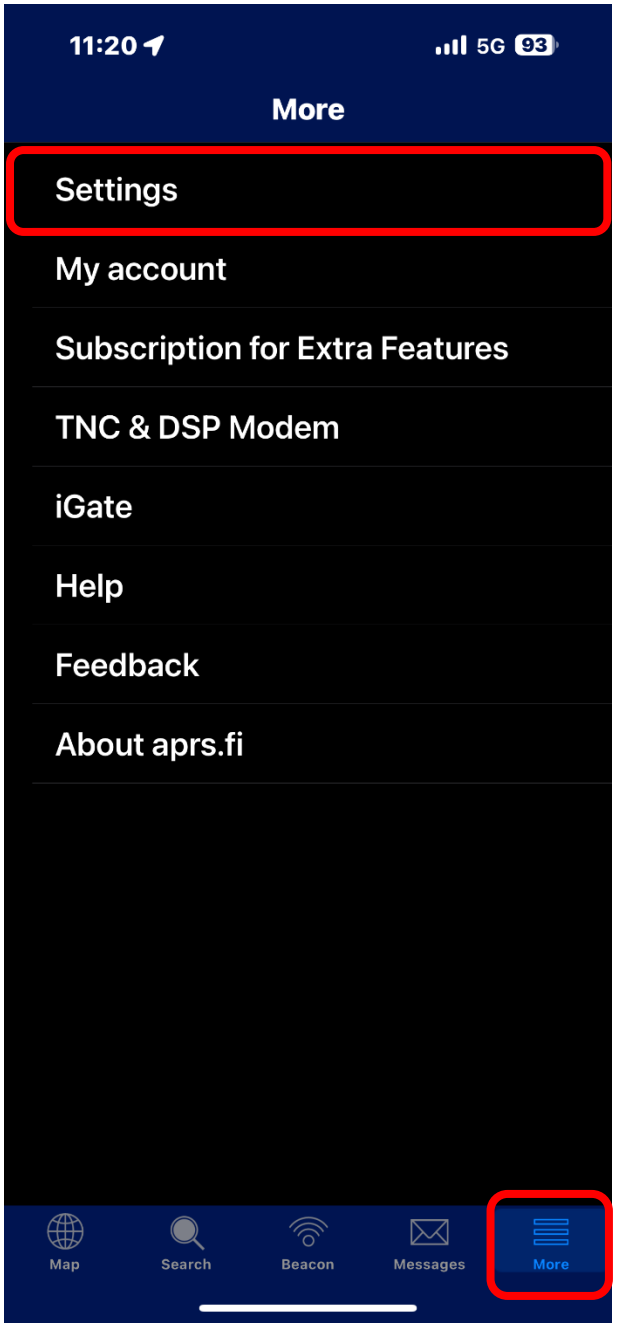
The following steps are optional, but highly recommended.

The following steps will allow **APRS.fi** the ability to continue to “Beacon” even if it is running in the background on your iPhone. This provides you the flexibility to be in other applications while not losing the ability to provide up-to-date beacons to Net Control.

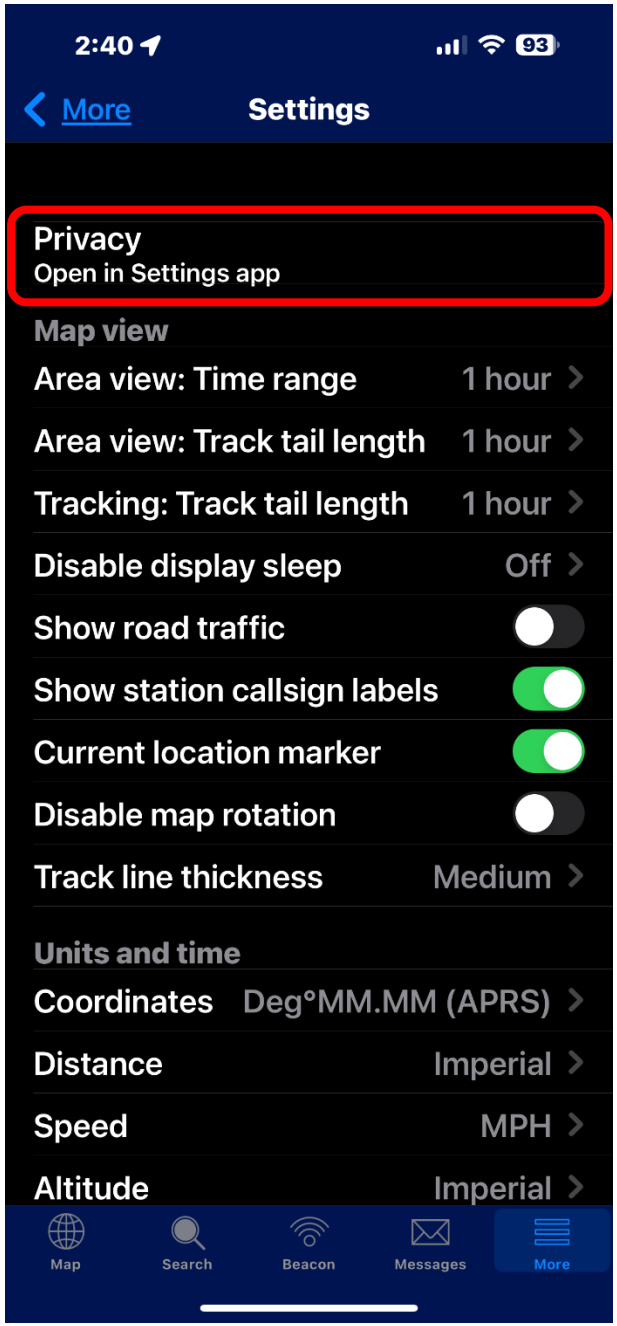
The downside is battery consumption.

1. **External Power**: It is highly recommended to have your iPhone plugged-in to an external power source while using it for APRS.
2. **Upon Event Completion**: Reverse the following steps below once the Public Service Event has ended.

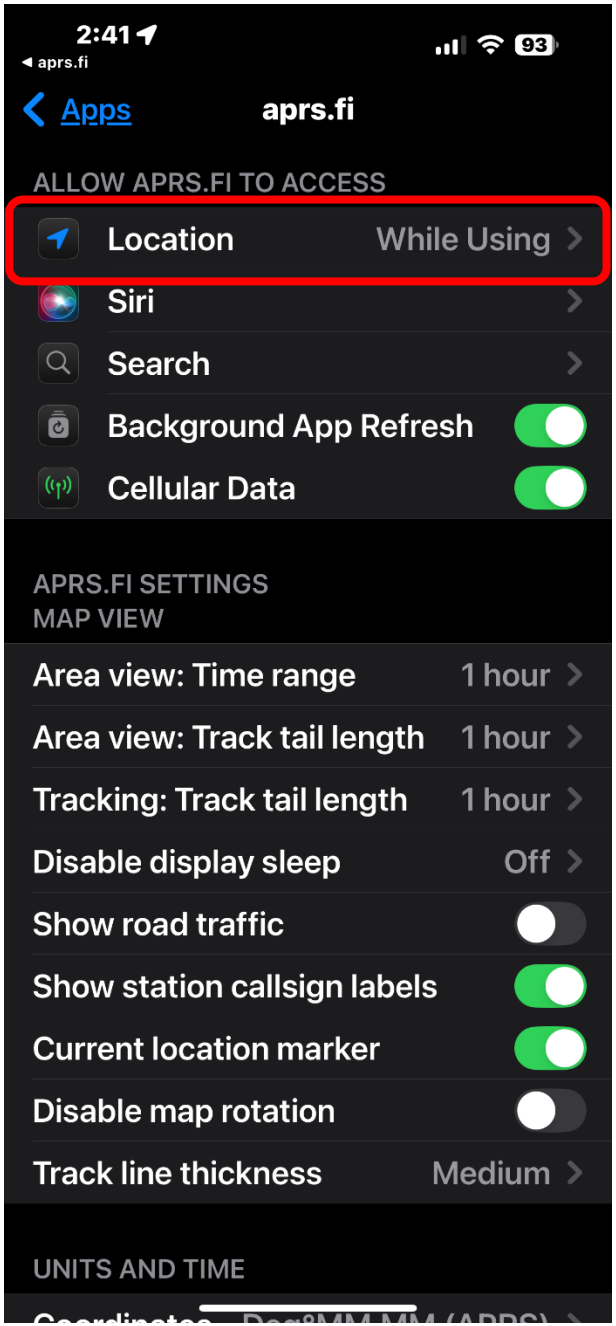
Tap on “More” button.
Then tap on “Settings”.



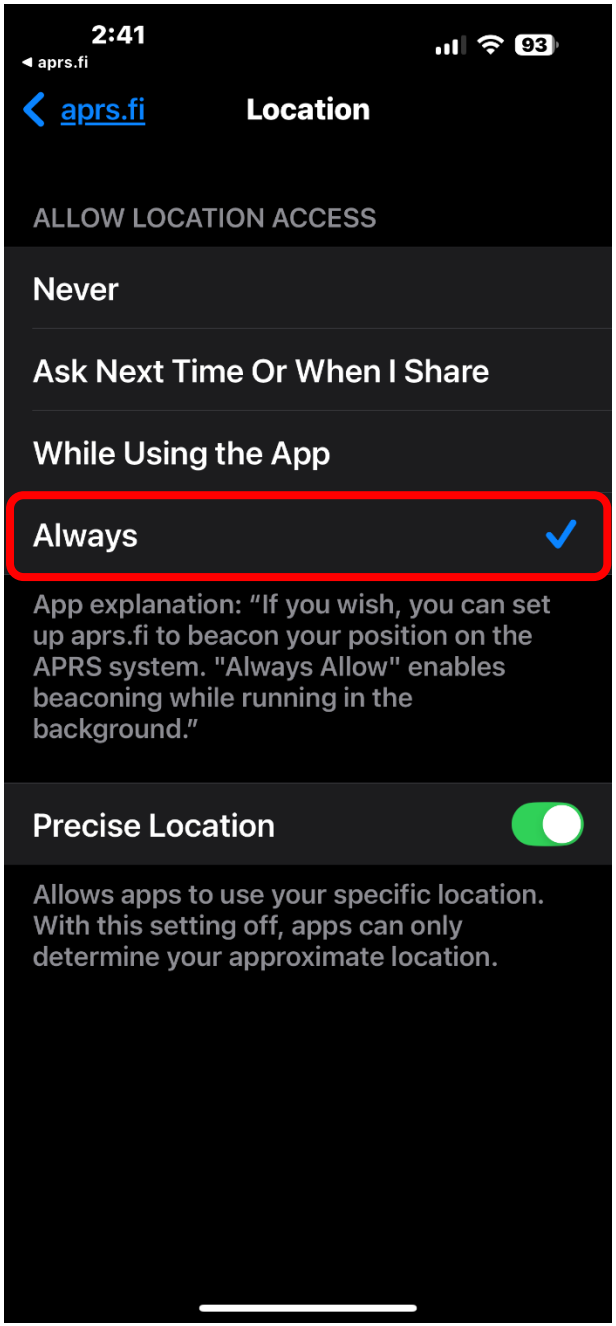
Tap “Privacy – Open in Settings App”



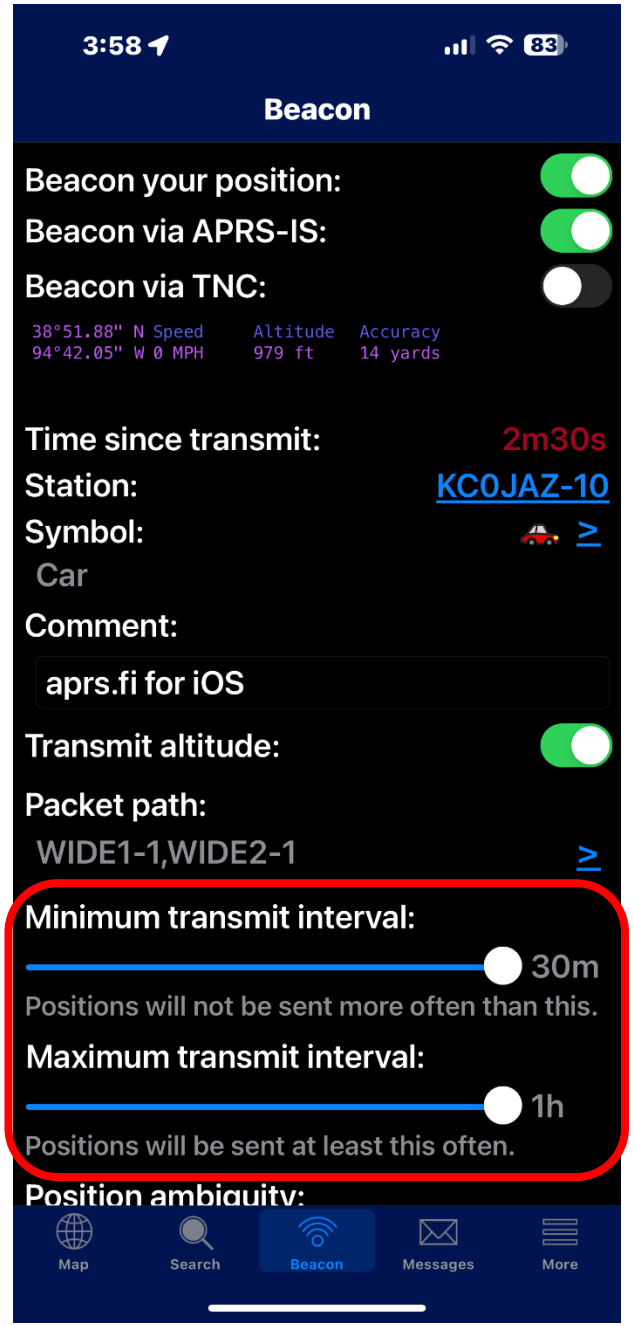
Tap on “Location”



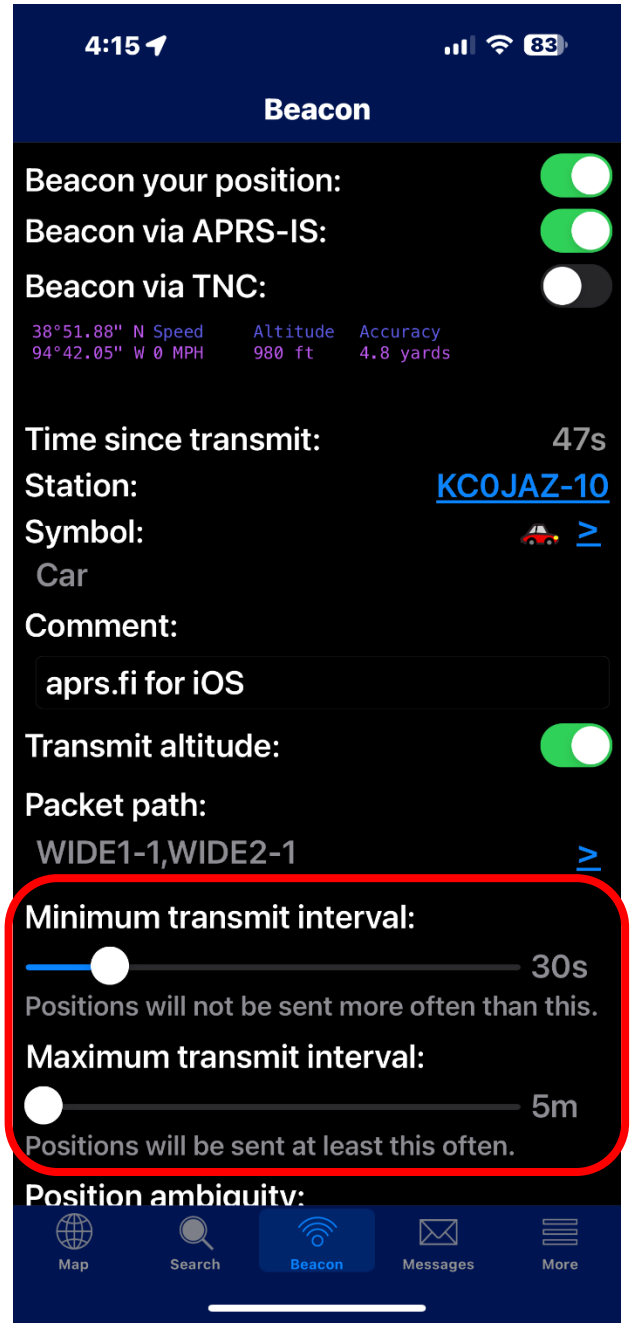
Change “Allow Location Access” from “While Using the App” to “Always”.



Static Position
Set Minimum transmit interval: 30m
Set Maximum transmit interval: 1h



Mobile Position
Set Minimum transmit interval: 30s
Set Maximum transmit interval: 5m



APRSdroid

Android Installation

How to install and setup APRSdroid on Android device.

*The following steps will guide you through setting-up **APRSdroid** on your Android device.*

The Goal: Continue to increase the number of APRS beacons from our volunteers at Public Service Events.

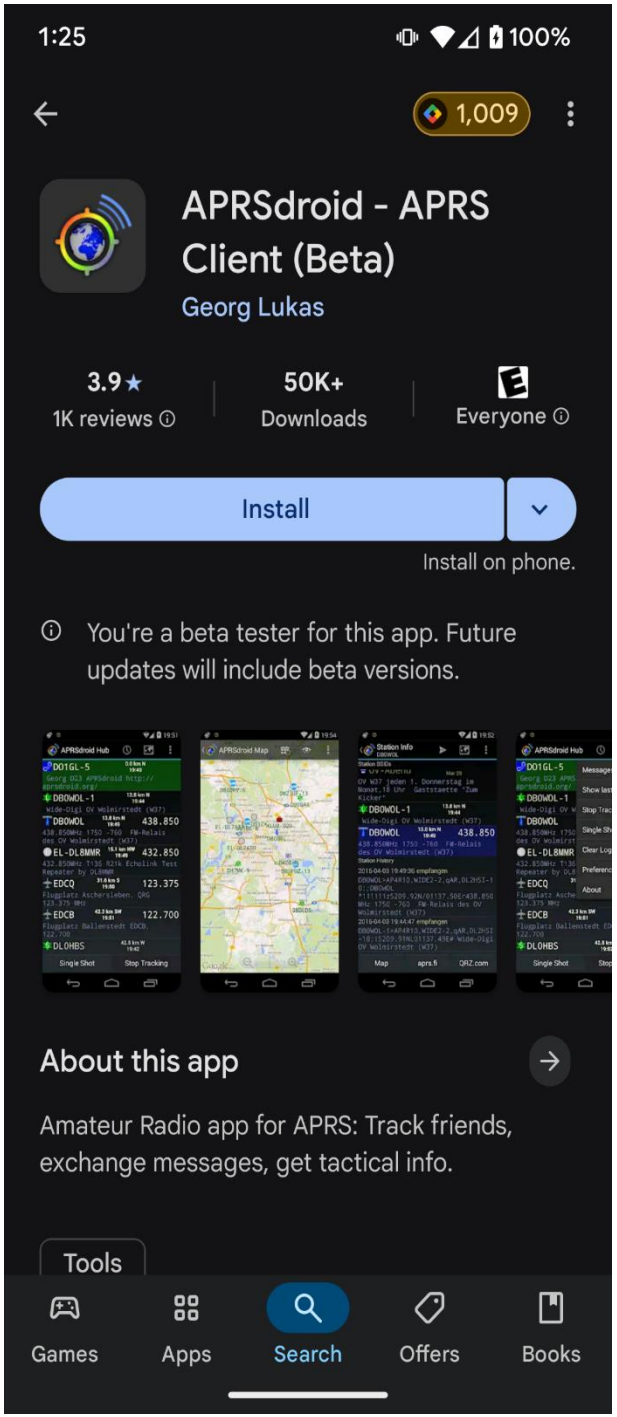
The Benefit: When Net Control can see the event map with overlays that include the Route, APRS with tactical callsigns, Checkpoints, Hotspots, Rest Stops, they can provide a much more accurate and timely response for the event.

WARNING

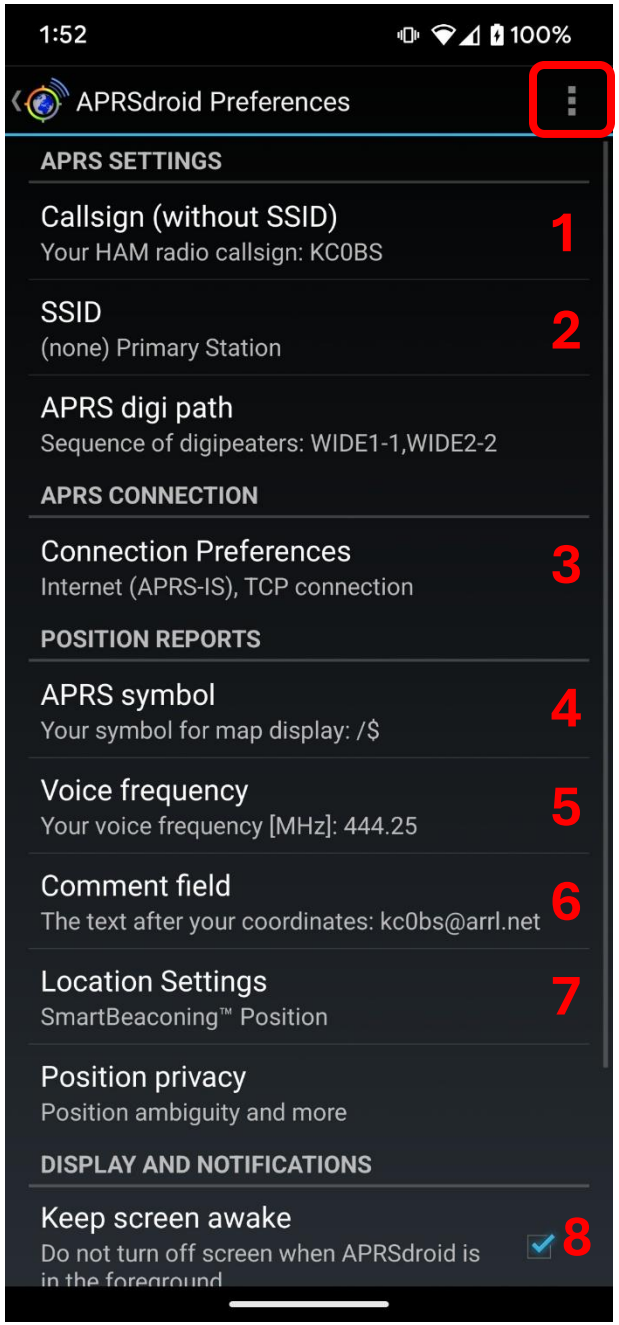
The continued use of APRSdroid with the following settings will drain your phone's battery faster than usual.

3. **External Power**: It is highly recommended to have your Android device plugged-in to an external power source while using it for APRS. Either in your vehicle or using an external power brick.
4. **Upon Event Completion**: Once the public service event has concluded be certain to close APRSdroid.

Install “APRSdroid” application from the Google Play Store and launch the app.

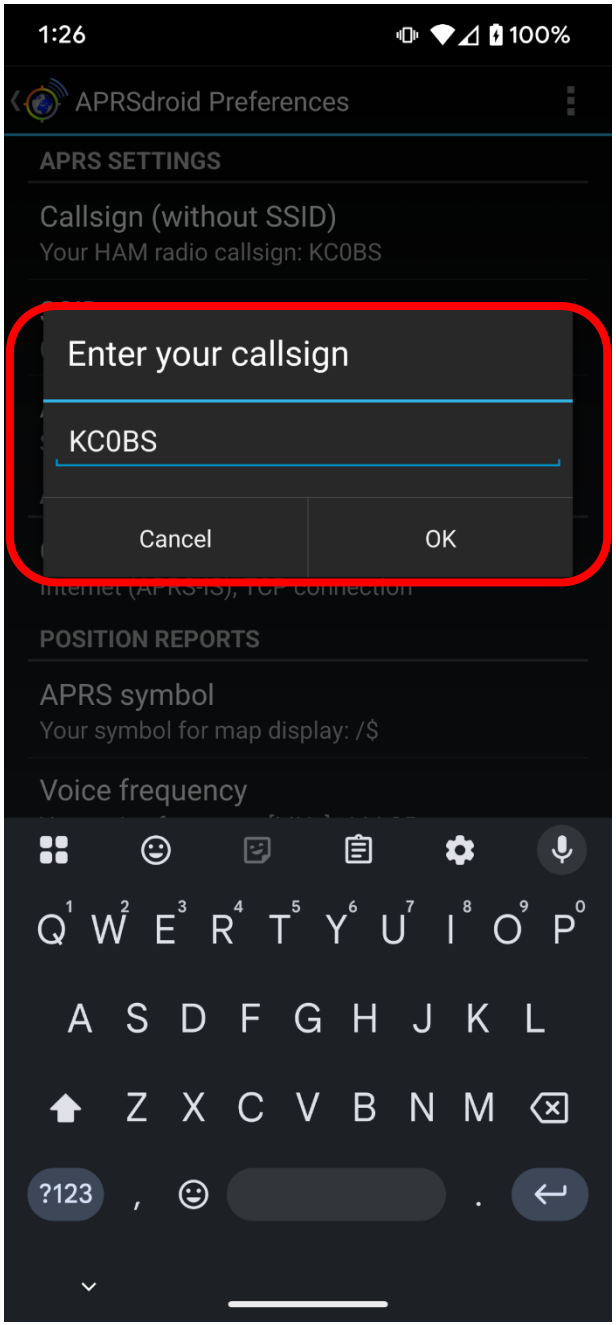


Tap the 3-dots. Select “Preferences”. You’ll see this screen.

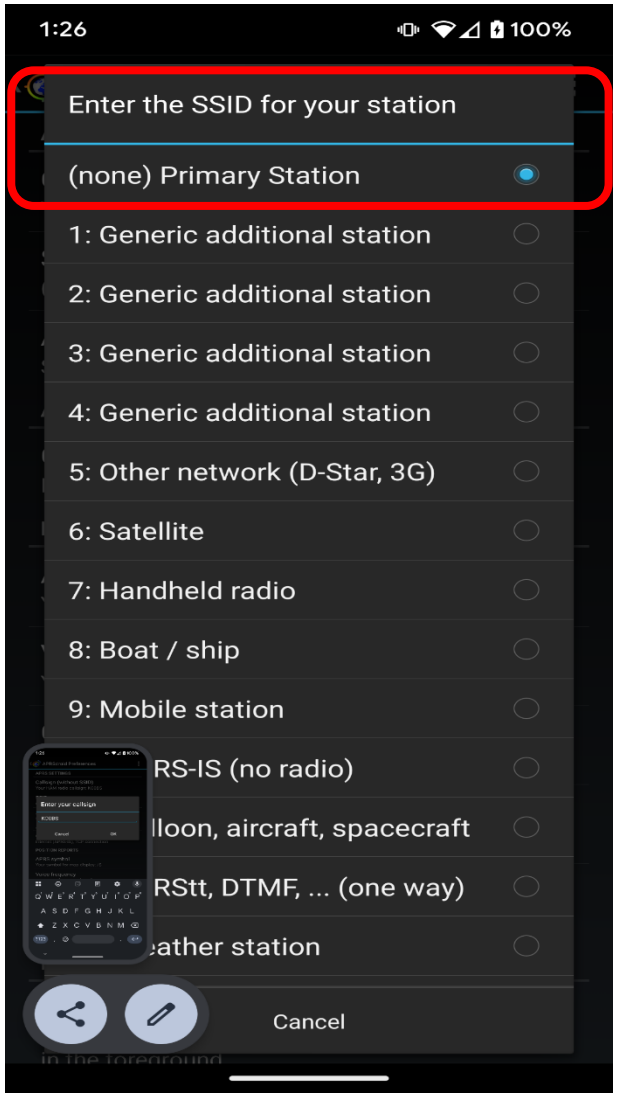


The Red Numbers to the left indicate the APRSdroid Preferences that will be configured on the following pages.

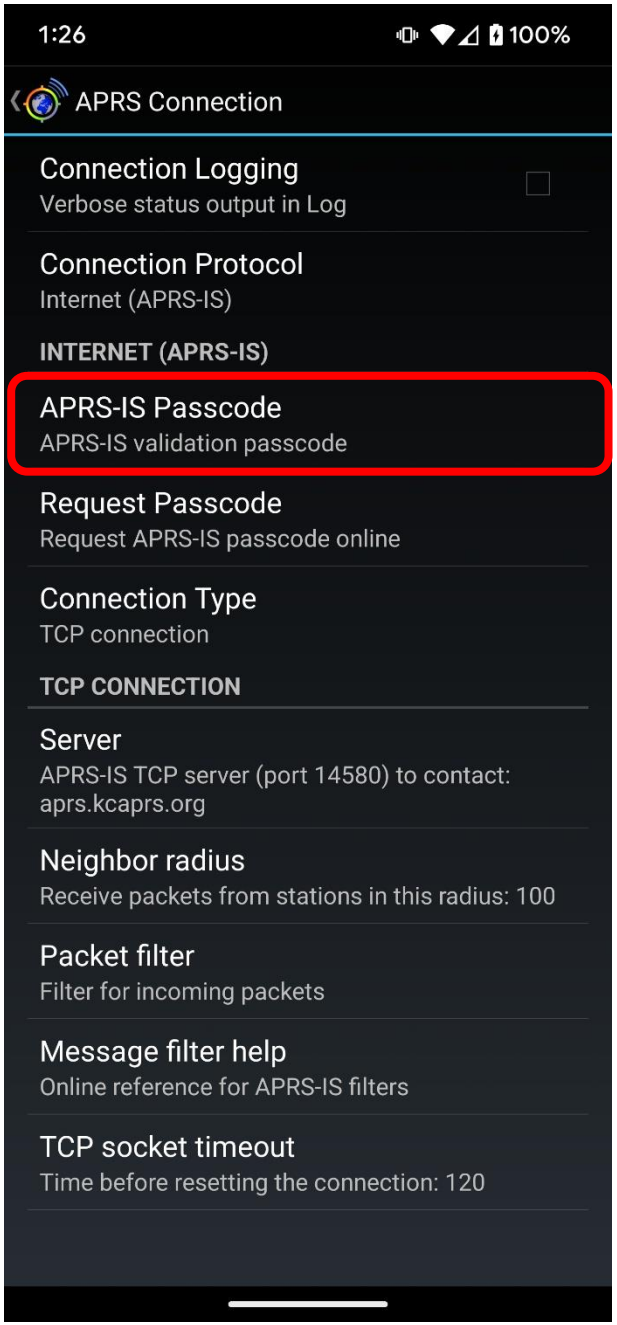
1 - Tap on Callsign
• Enter your callsign



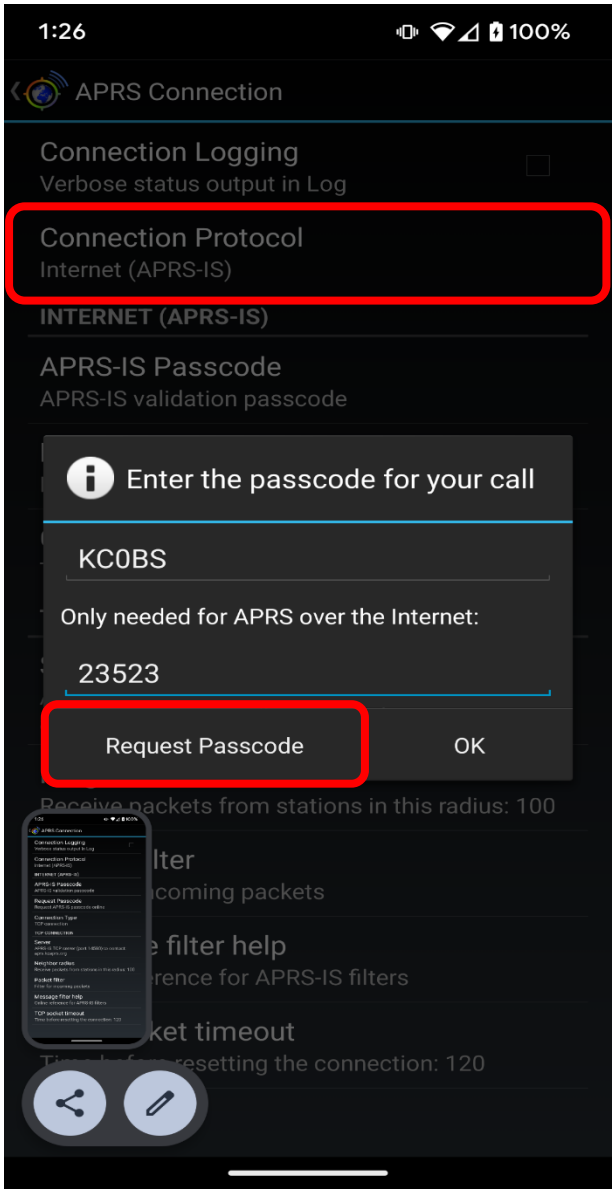
2 - Tap on SSID
• Select (none) Primary Station



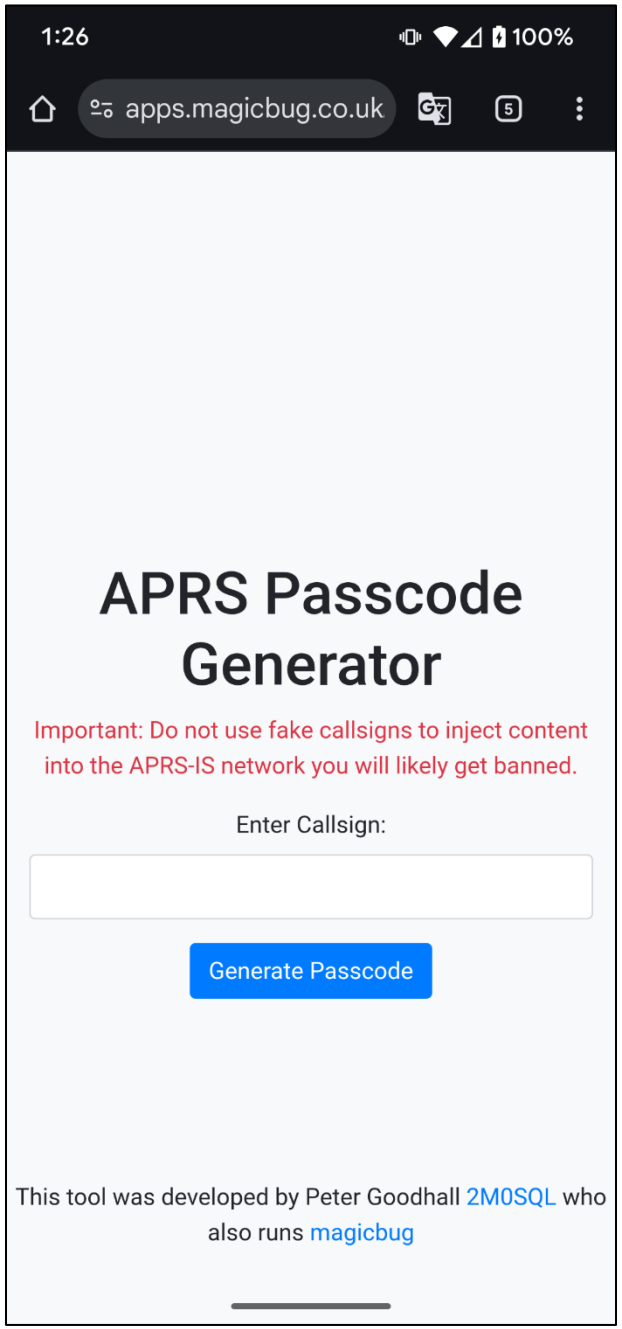
3 - Tap on Connection Preferences
• Tap on APRS-IS Passcode



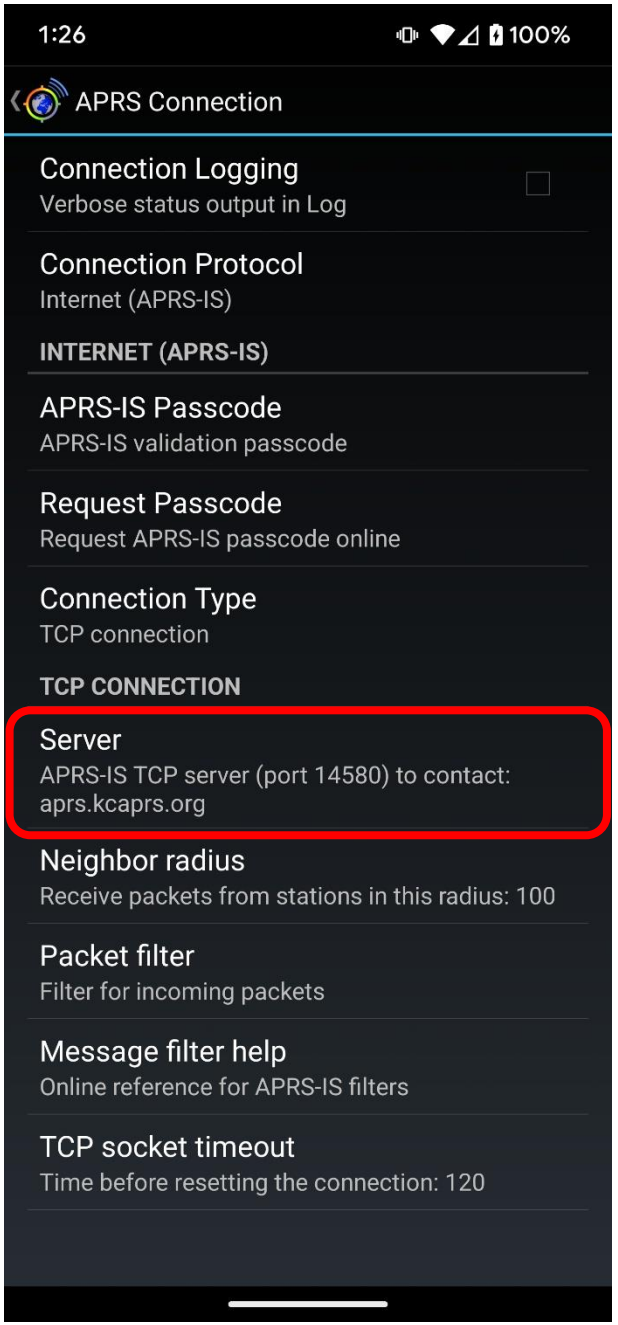
3A – Tap Request Passcode



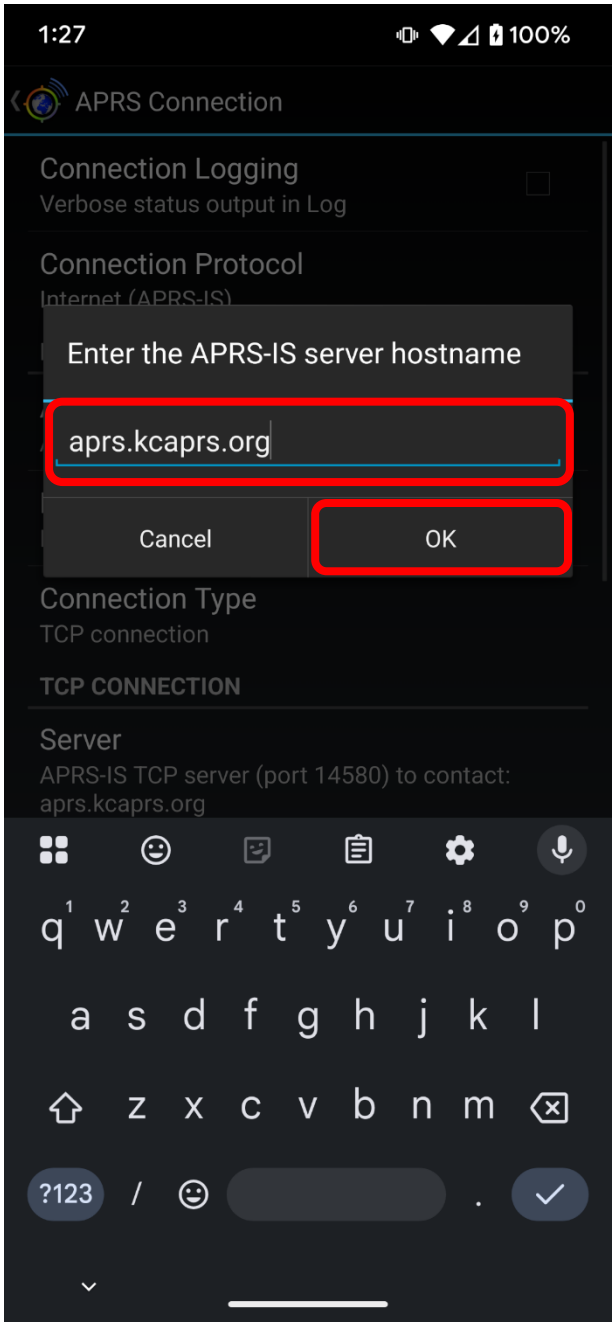
3B – Enter your Callsign
• Tap Generate Passcode



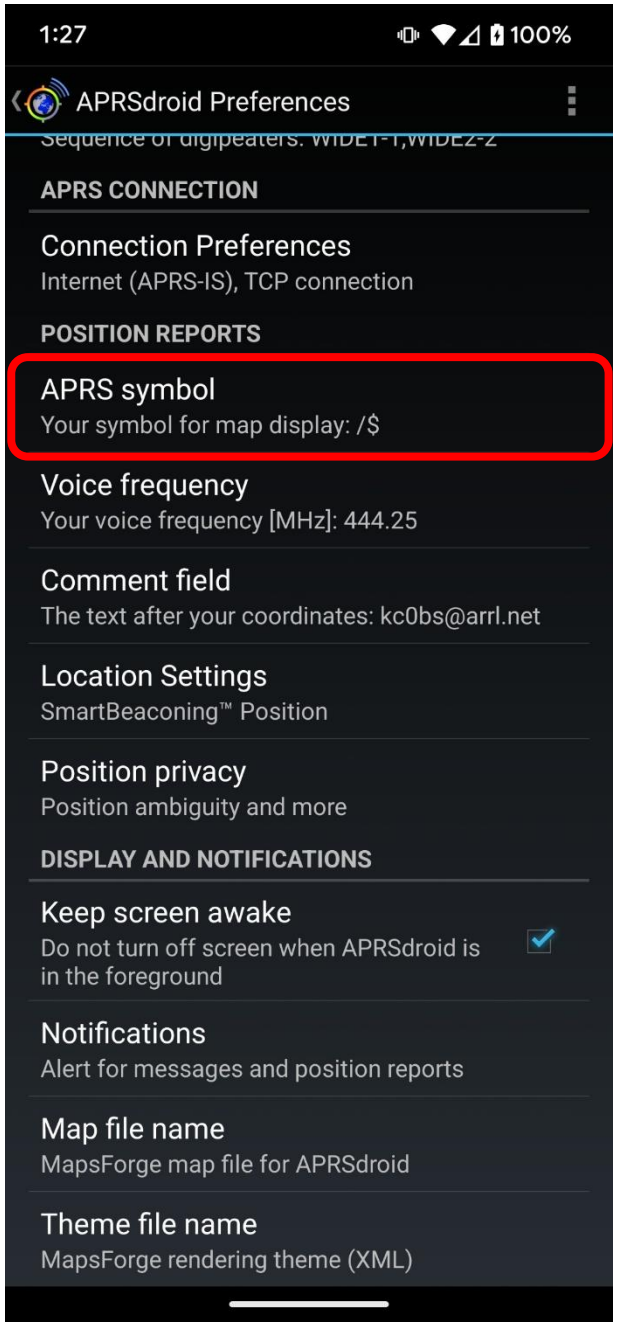
3C - Tap on Server



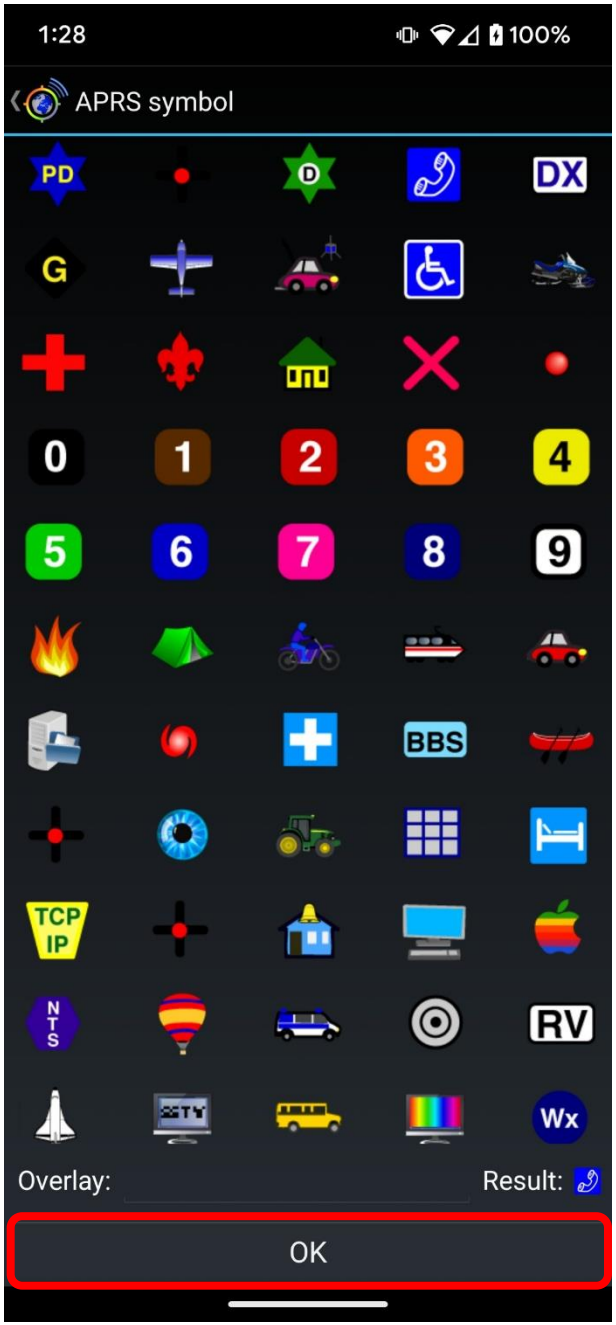
3D – Enter aprs.kcaprs.org
• Tap OK



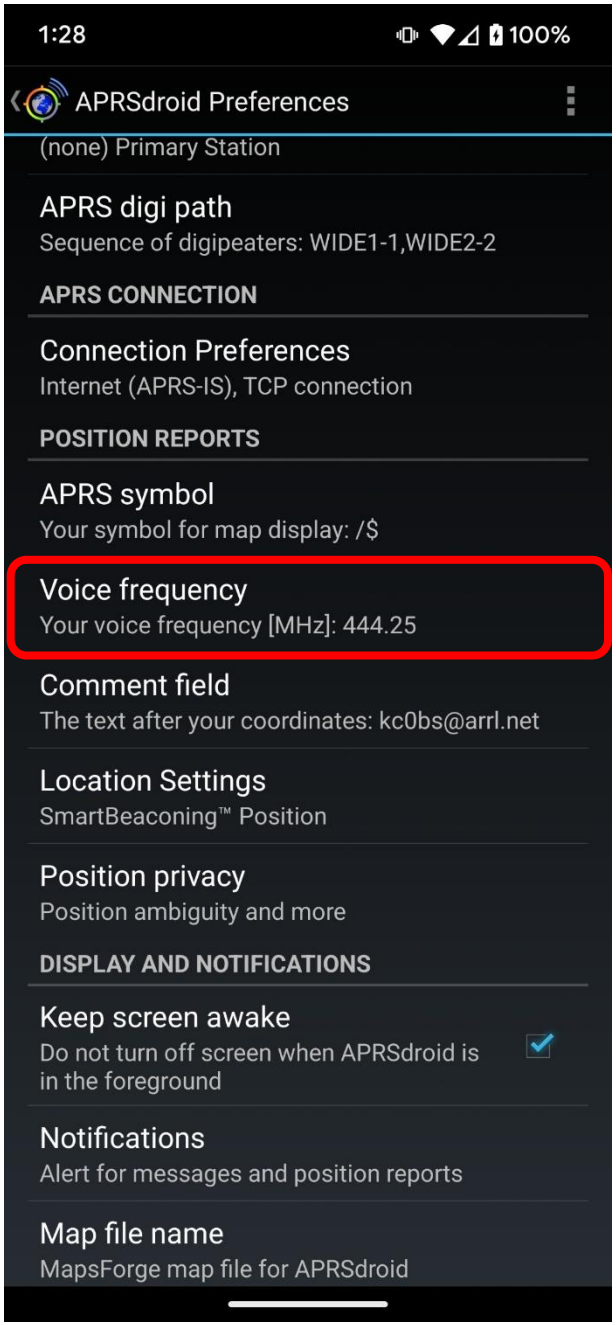
4 - Tap on APRS symbol



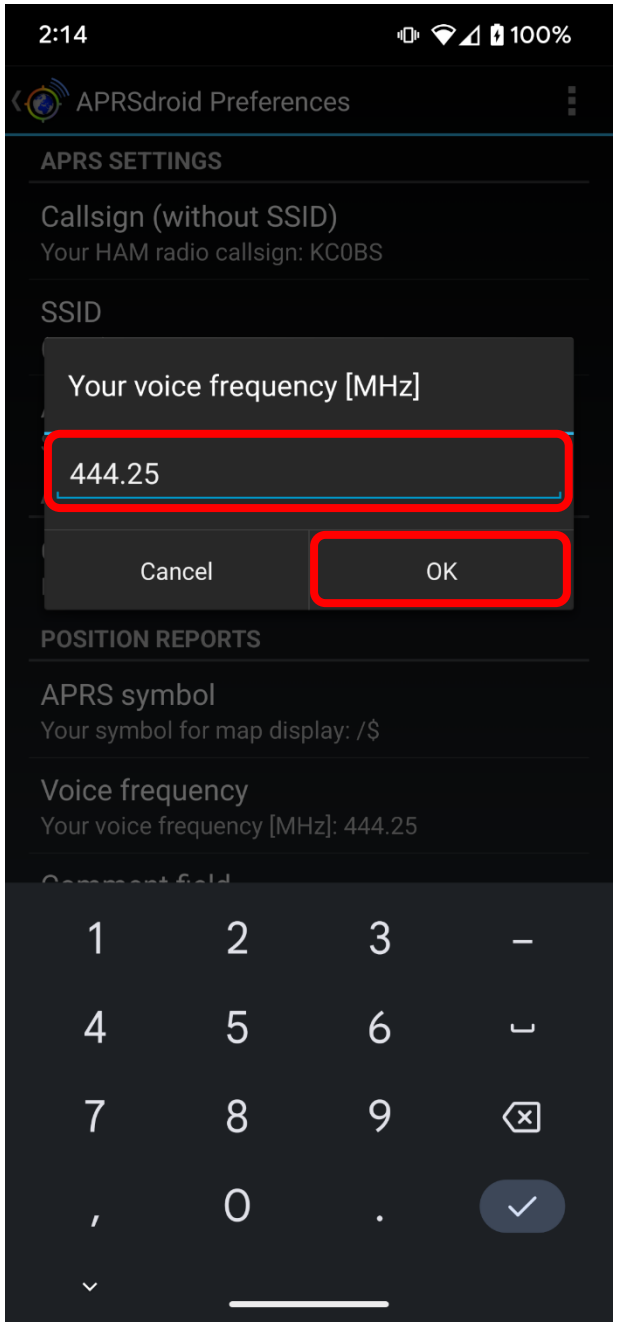
4A – Select an APRS symbol
• Tap OK



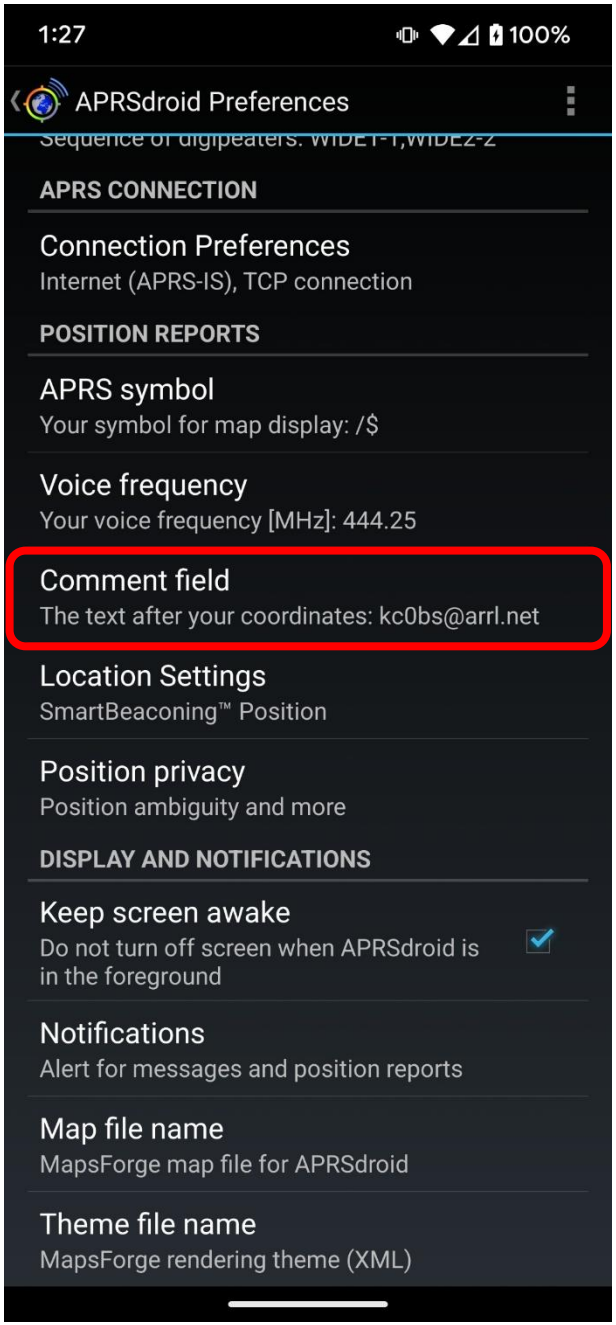
5 - Tap on Voice Frequency



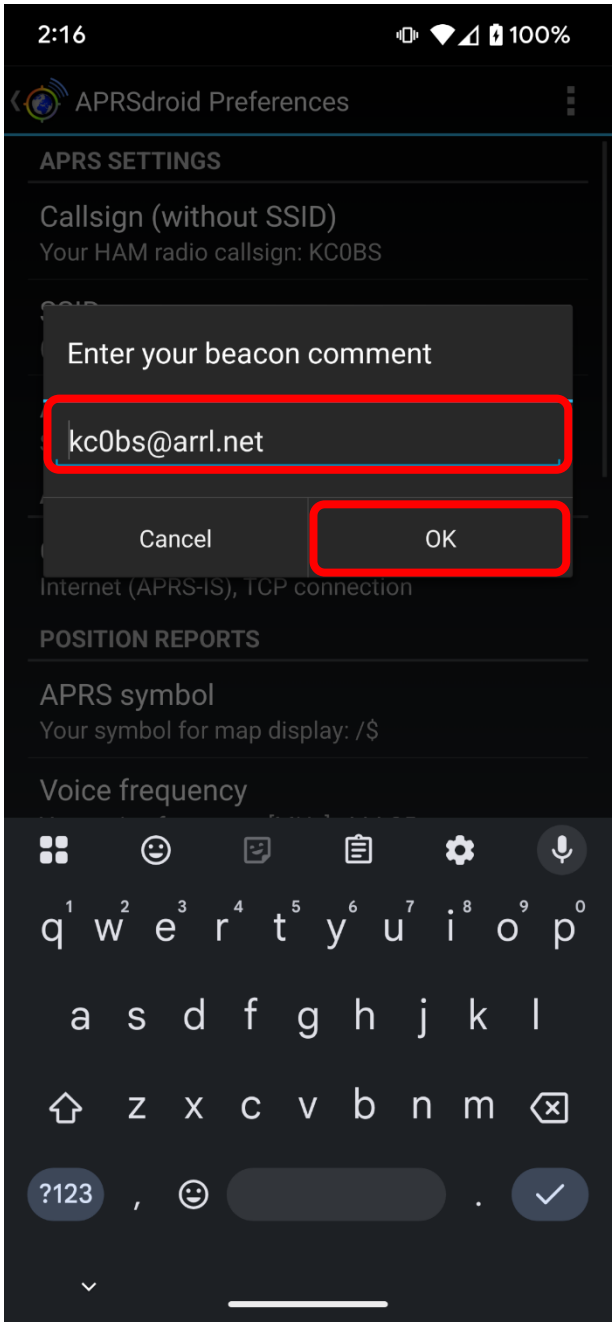
5A – Enter voice freq. you listen to. (optional)
• Tap OK



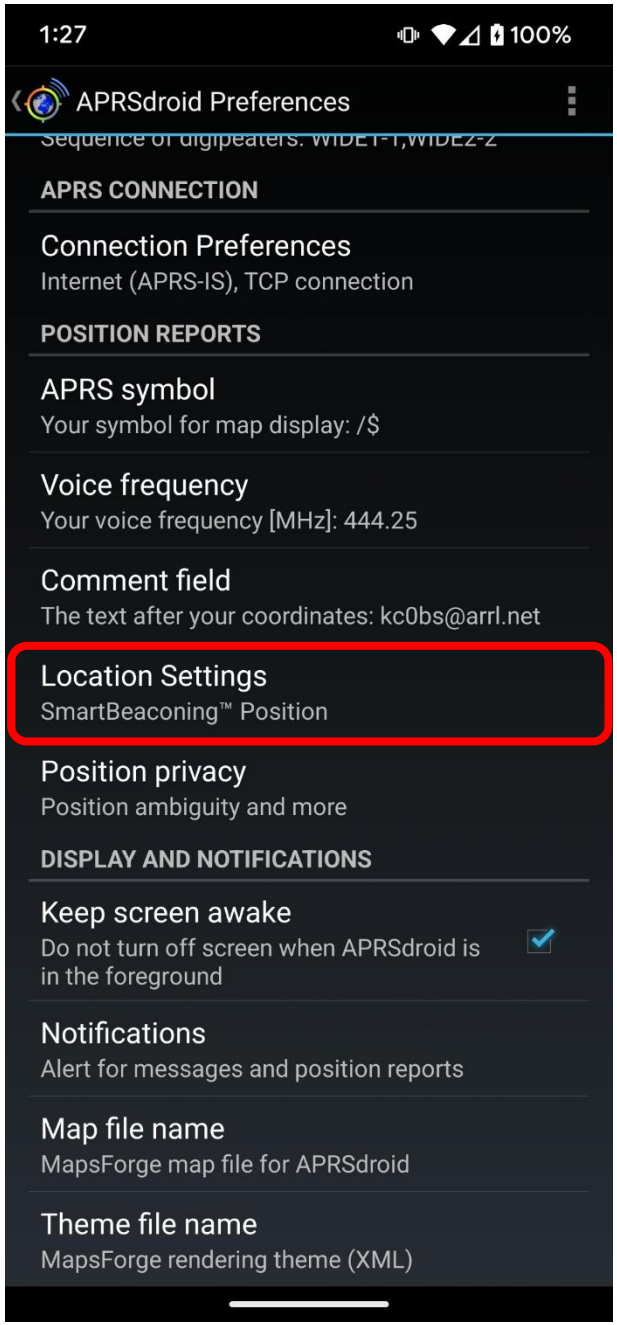
6 - Tap on Comment field



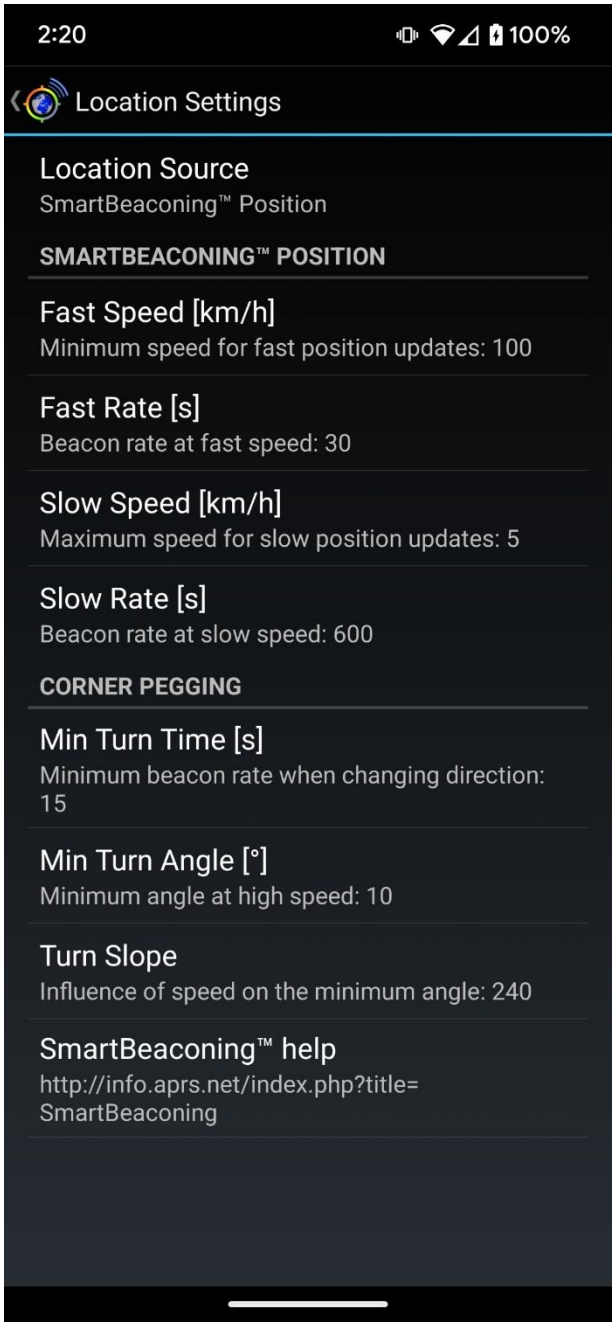
6A – Enter your email address
• Tap OK



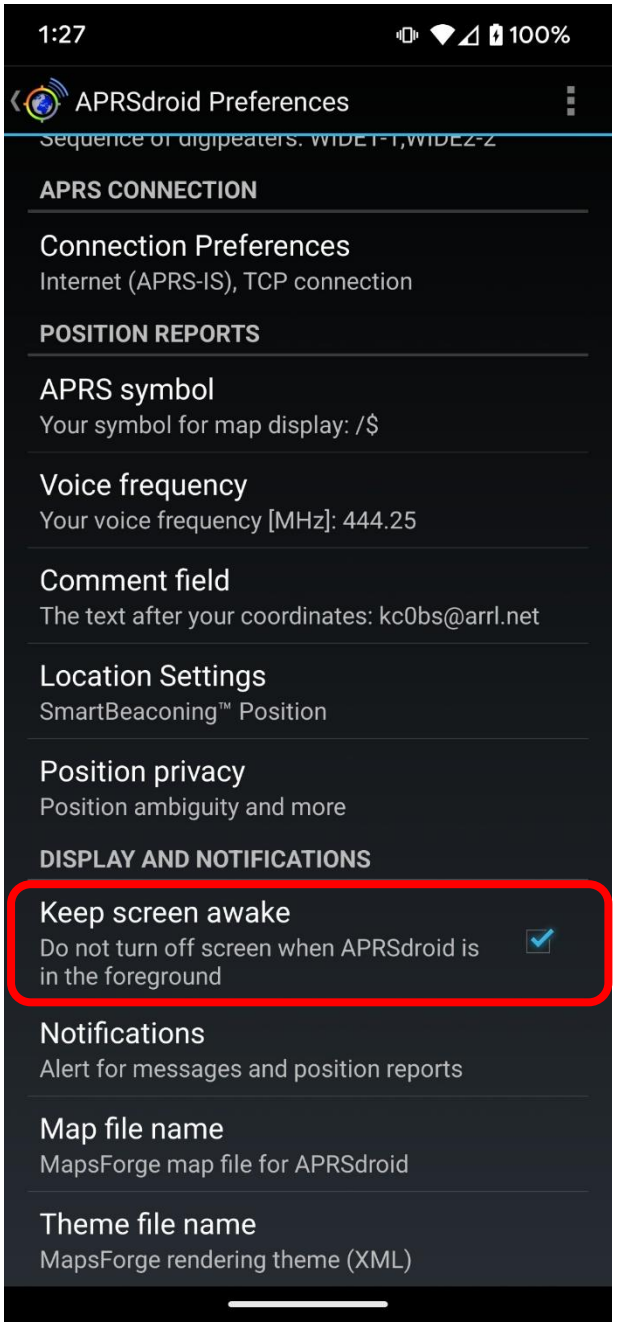
7 - Tap on Location Settings



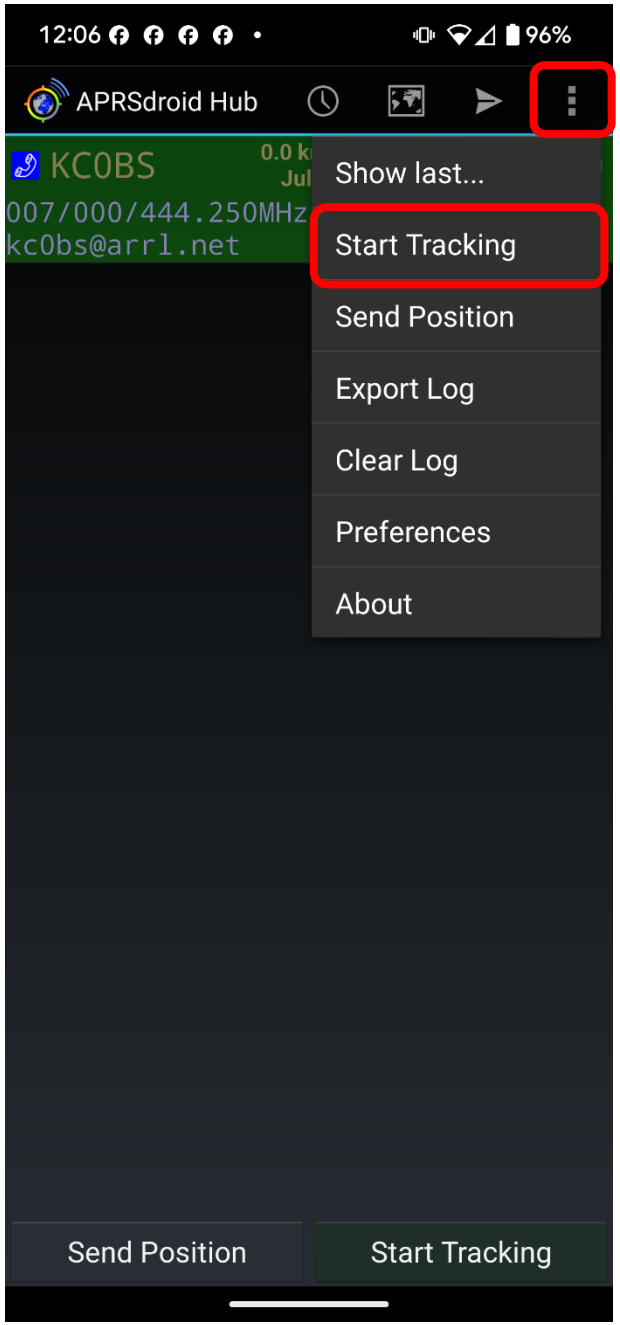
7A – Confirm that your location settings match what is displayed below.



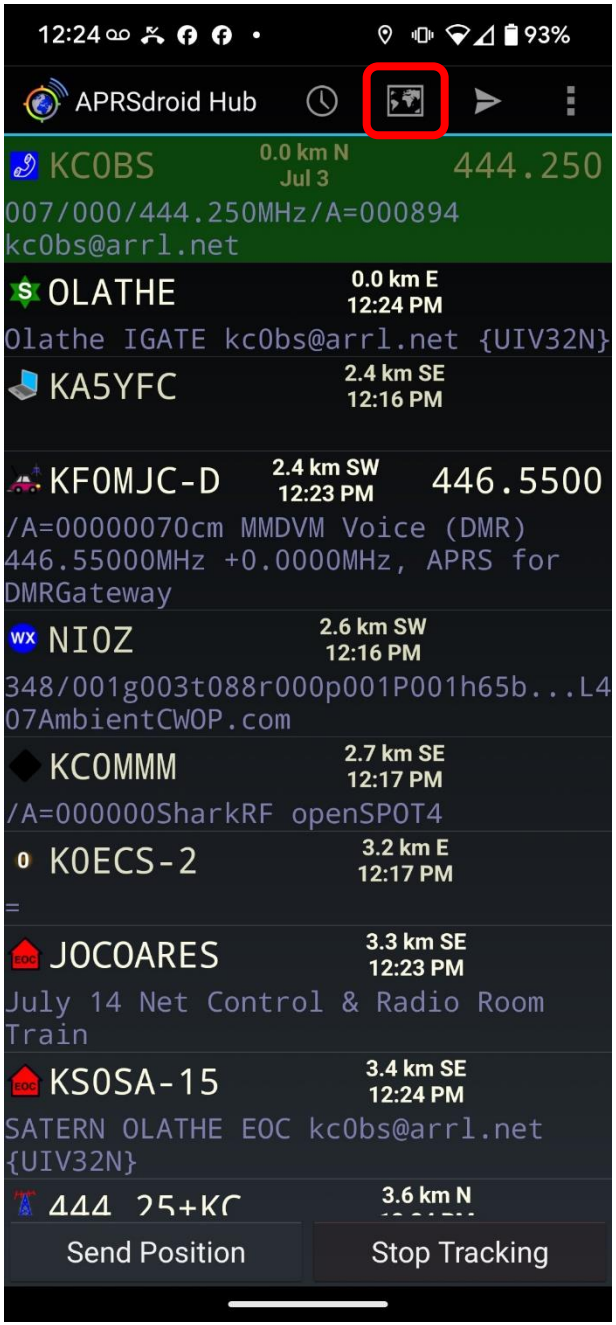
8 – Checkmark Keep screen awake



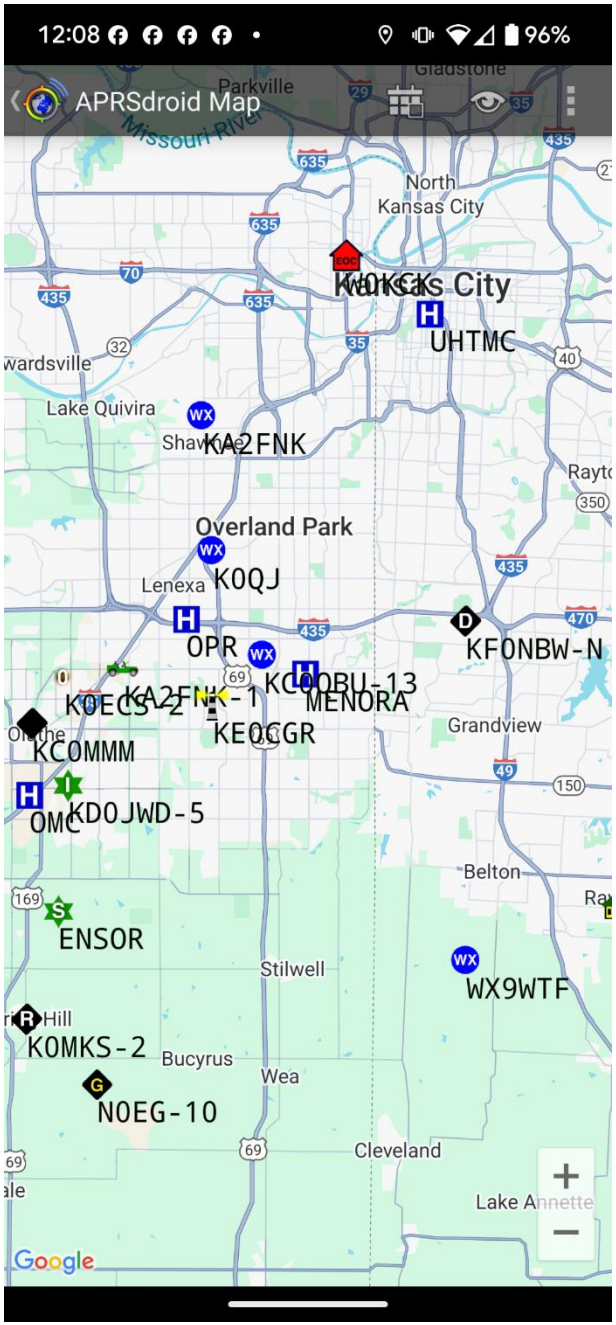
To *See* and be *Seen* tap Start Tracking
Select "Stop Tracking" at end of event.



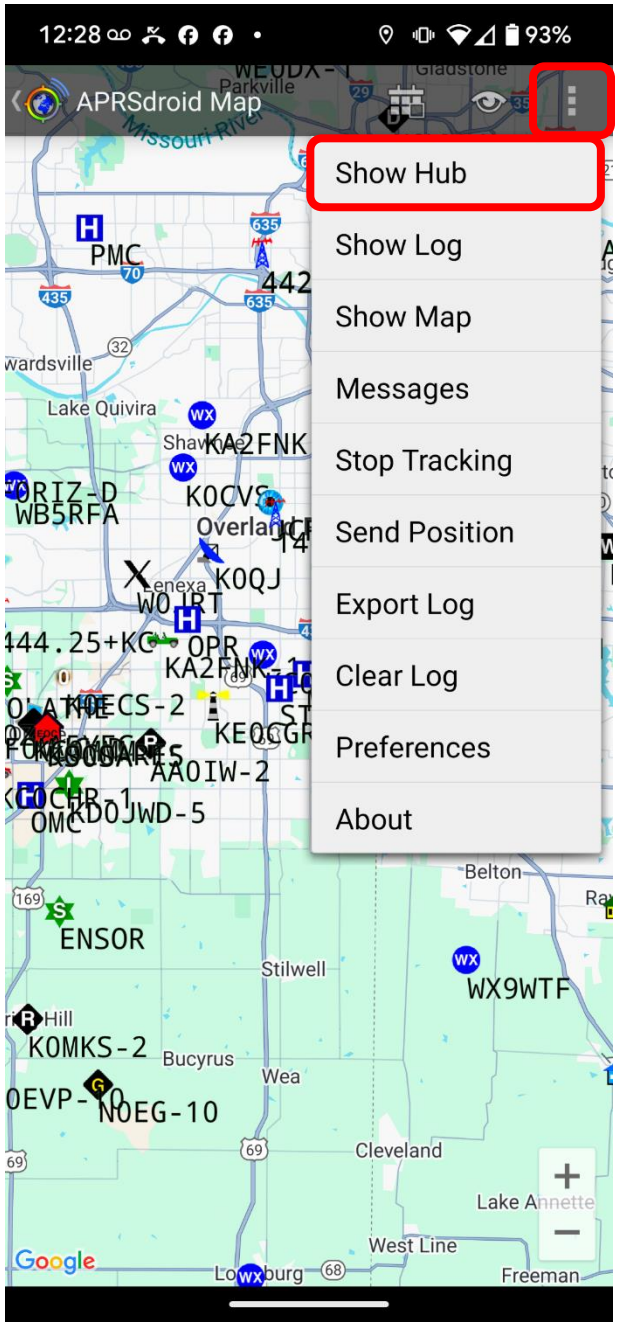
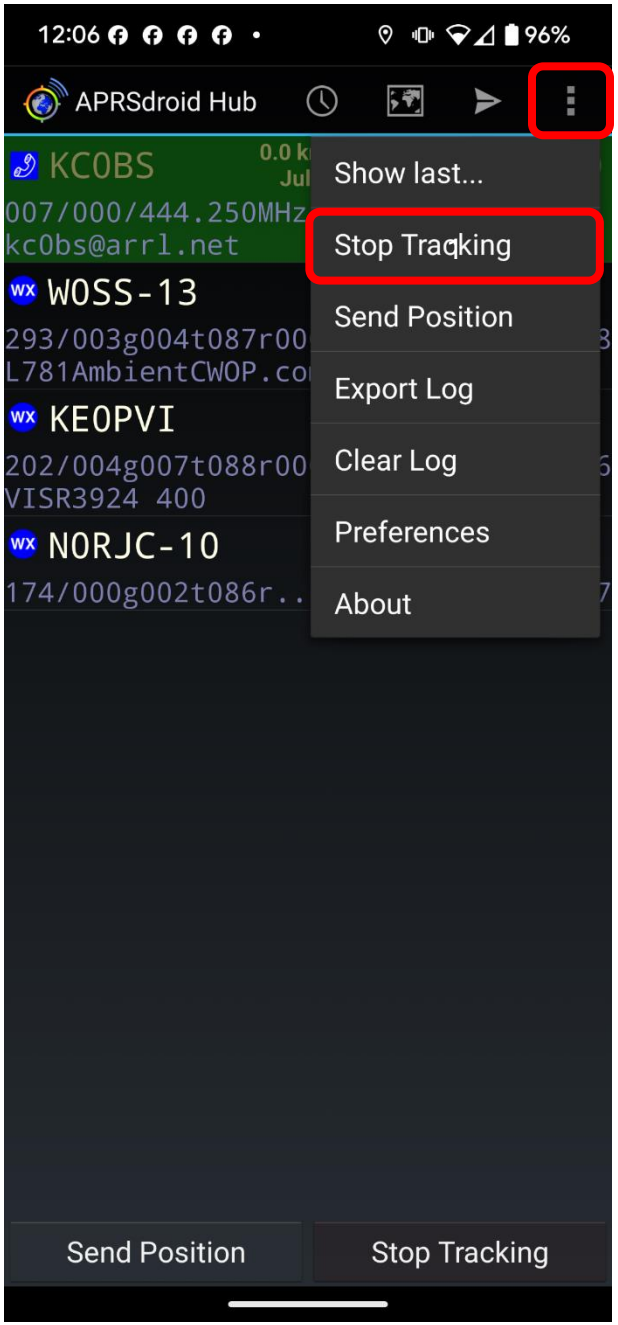
This is Hub View
To switch to Map View tap the Image icon



This is Map View



Tap the 3-dots
Select “Show Hub”



Tap the 3-dots
Select “Stop Tracking” to save battery