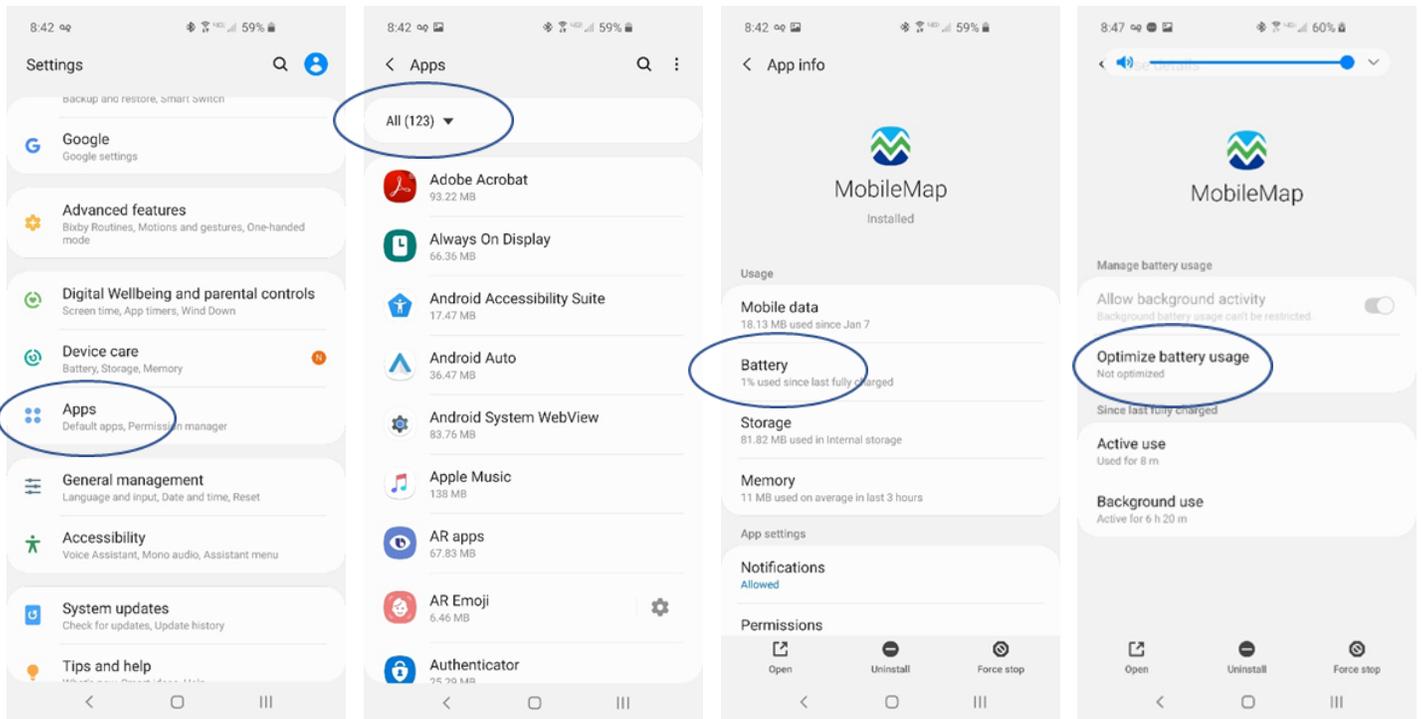# Setting up an Android Device to use an External GPS
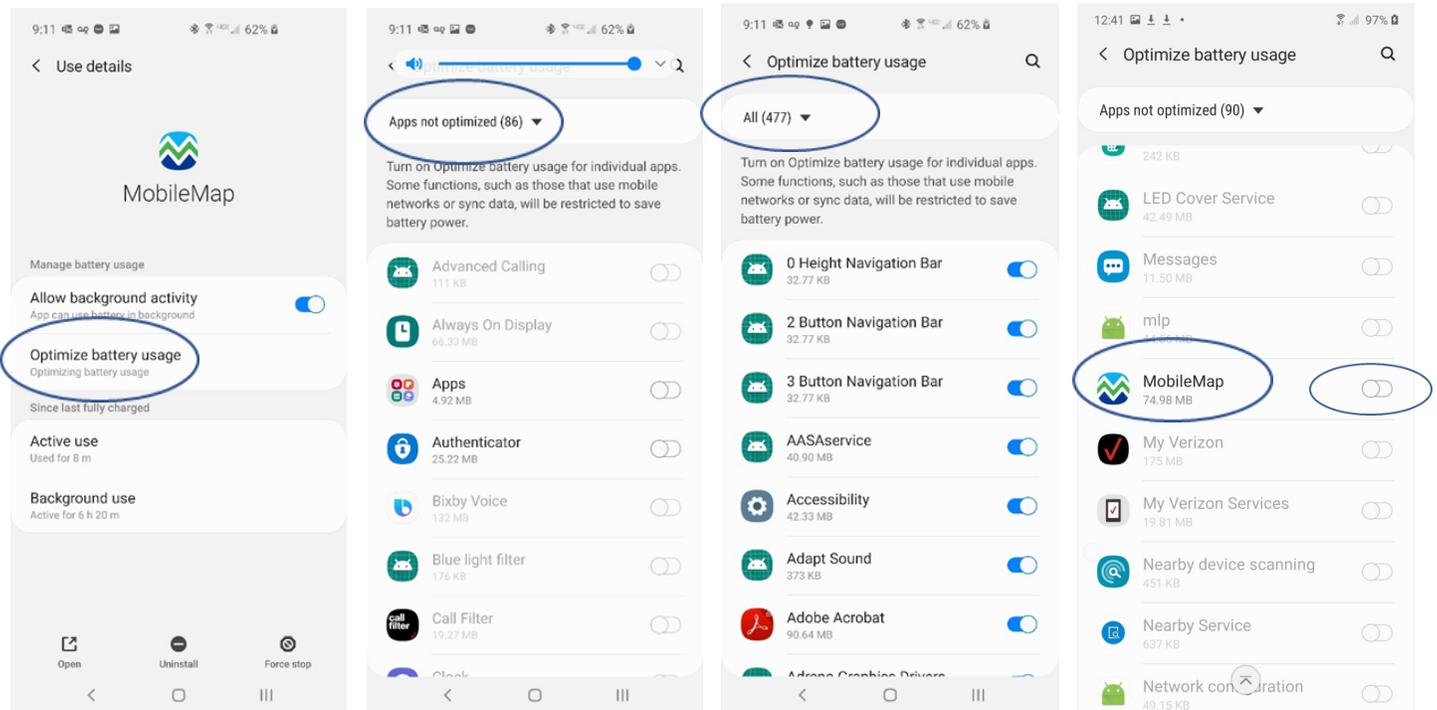
Step 1. Turn off battery optimization for MobileMap app. (Skip to step 2 if you are just using Avenza)

Go to **Settings**, then **Apps**, make sure it says **All** at the top of the screen, scroll down to **MobileMap**, tap on **Battery**

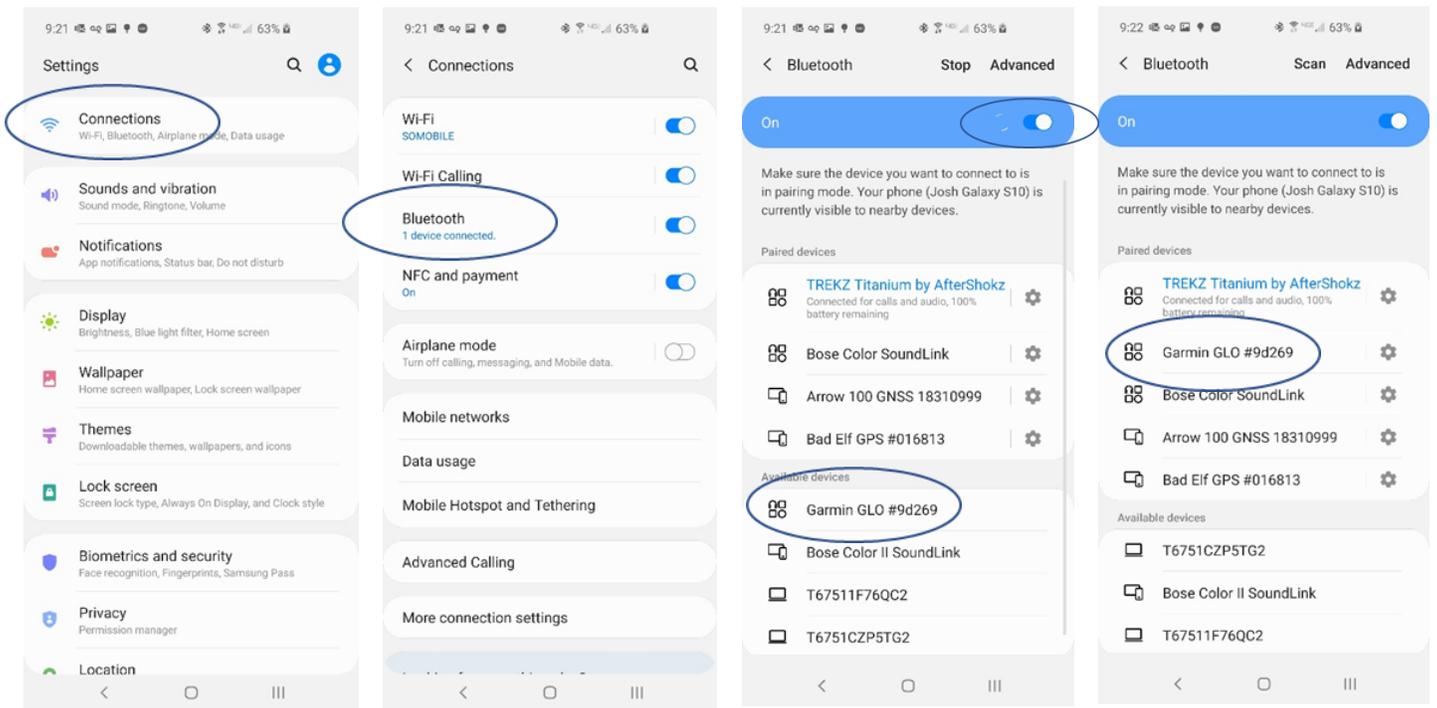Under **Optimized battery usage** you want it to say **Not optimized**

If it currently says **Optimizing battery usage,** tap on that, then at the top change it from **Apps not optimized** to **All**, scroll down to **MobileMap** and toggle the switch to **off**
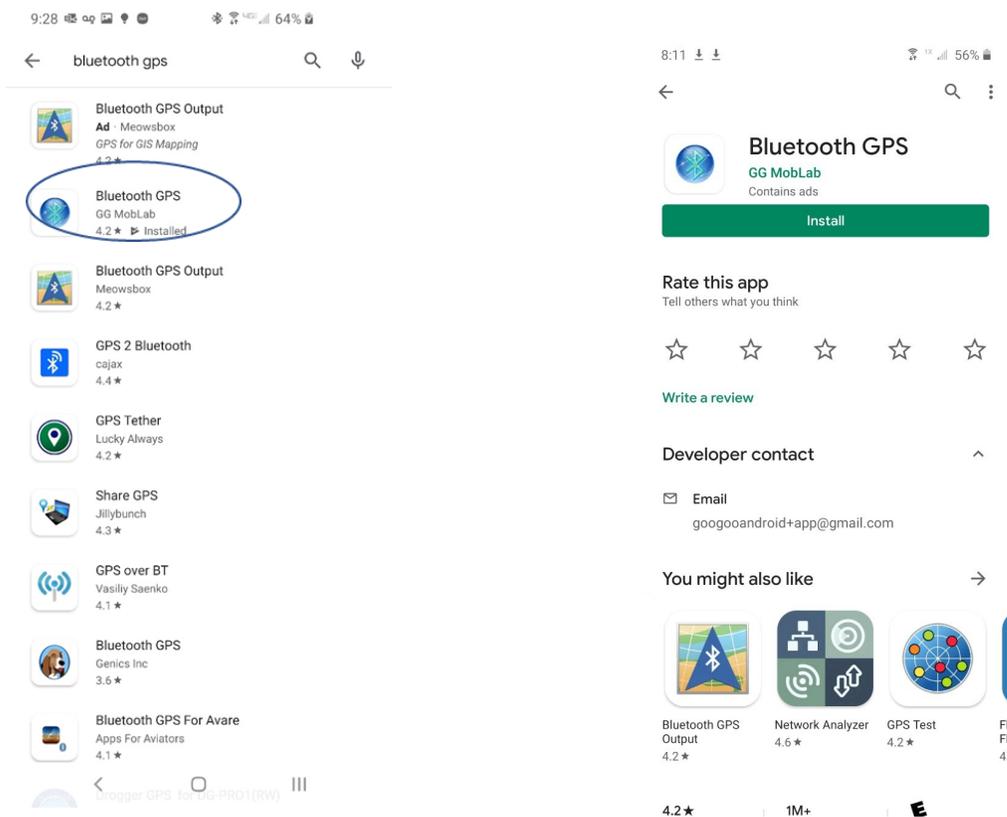
Step 2. Pair External GPS with the phone

Go to **Settings**, then **Connections**, then **Bluetooth**, make sure both devices are on and
Bluetooth is on, chose the GPS listed in available devices
Once paired it will show up in the list of paired devices

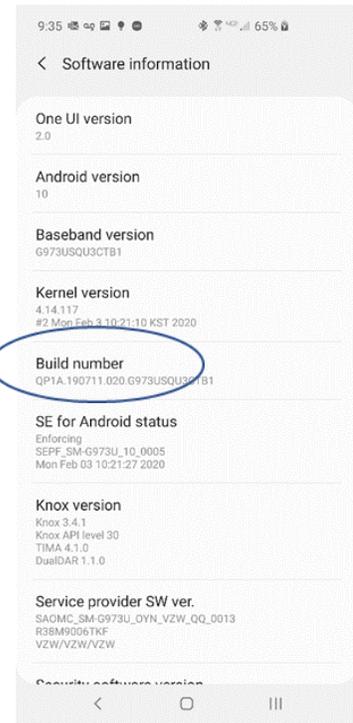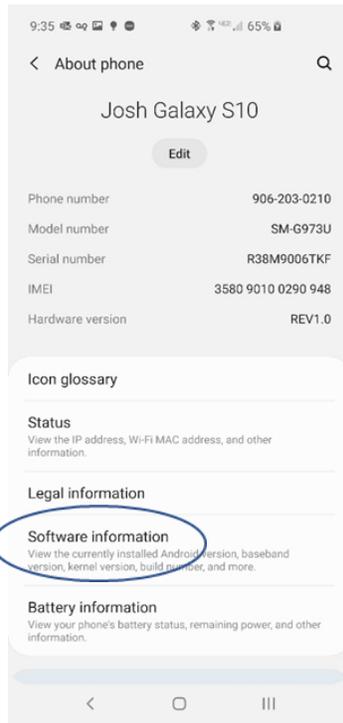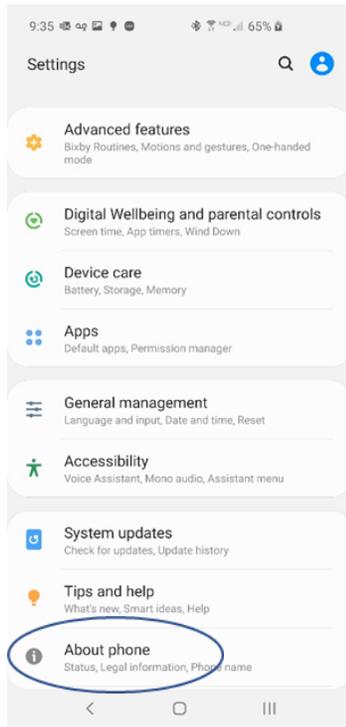
Step 3. Install the "Bluetooth GPS" App

Go to the "**Play Store**", and search for **Bluetooth GPS,** once found tap **install**
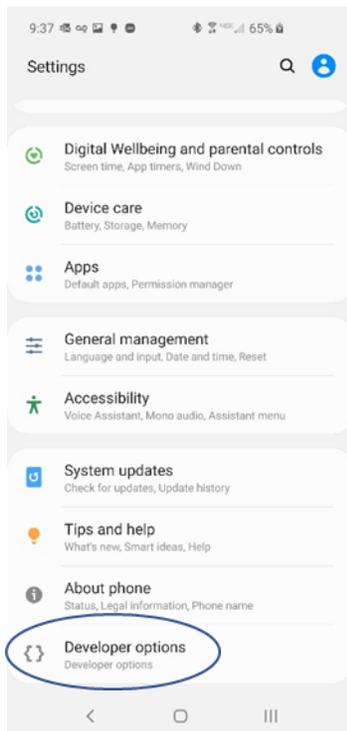
Step 4. Enable Developer Options

Go to **Settings,** then **About Phone,** then **Software Information,** then **Build Number**

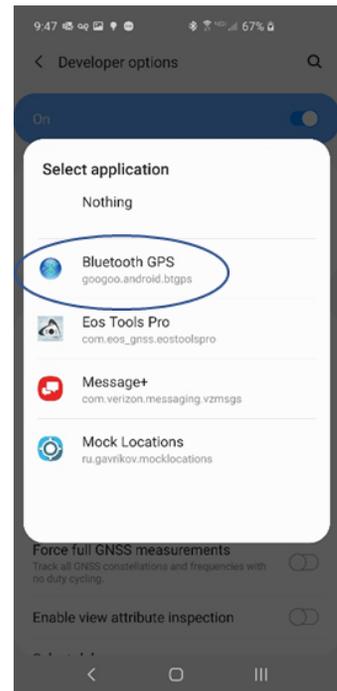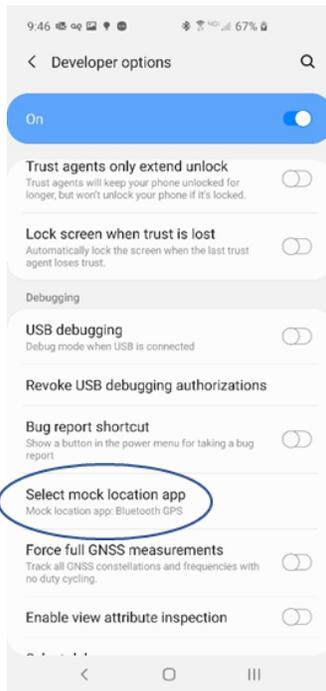Continue to tap on "**Build number**" until you are prompted to enter your password
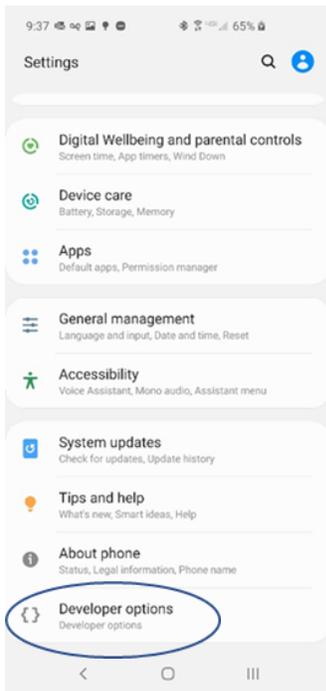

After entering your password, you should be able to go to the **Settings** and scroll to the bottom and see **Developer options** listed at the bottom.
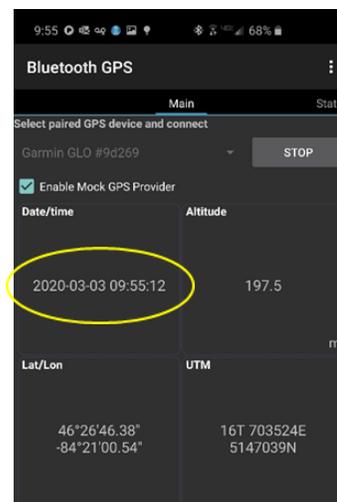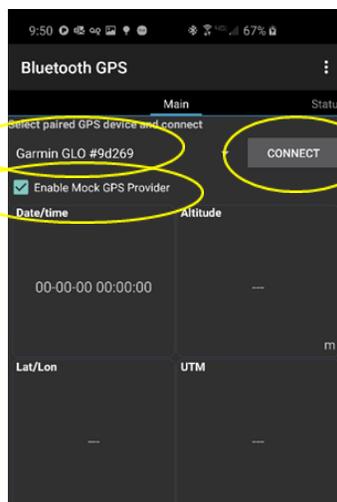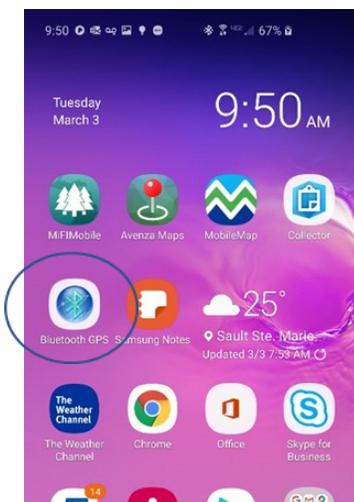
Step 5. Setting up Mock Location Provider

        Tap **Settings**, then **Developer options,** then **Select mock location app**

        Set it to **Bluetooth GPS**

Step 6. Connect GPS antenna with Bluetooth GPS app

        Open the **Bluetooth GPS** app, select the paired GPS device, hit **CONNECT**

        Make sure the **box** is **checked** next to **Enable Mock GPS Provider**

        Once it is connected and has satellites the screen will fill with data

*****You will have to do Step 6 daily before you GPS with a Bluetooth antenna.*****

Because your phone is getting its location from the Bluetooth GPS rather than the integrated GPS, you do not have to set up your antenna as Bluetooth GPS in the MobileMap App.