

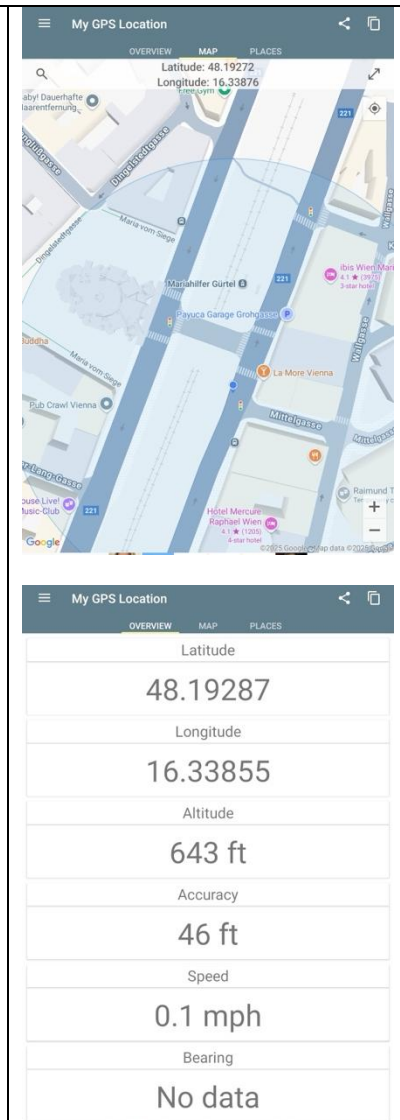
## Using the GLRM Receiver with My GPS Location

My GPS Location is a versatile navigation app that provides precise real-time location data, allows you to save favorite places, and is ideal for outdoor activities, travel, and emergencies.

This guide explains how to use the GLRM receiver in combination with the GL Connect app to provide accurate positioning to My GPS Location on Android devices. GL Connect acts as a mock location provider, streaming corrected GNSS positions from the GLRM receiver to other apps. To use GL Connect with My GPS Location, you need to configure your NTRIP credentials in GL Connect and set the app as the mock location provider in the Android system settings.


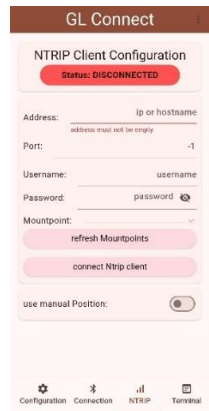
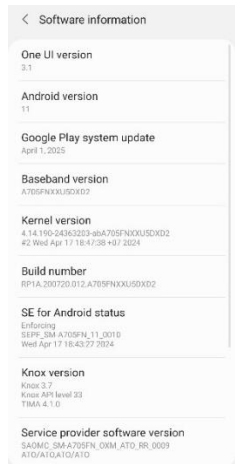
After installing and launching My GPS Location, you will first see your precise location data, altitude, accuracy, and speed. Tap "Map" in the center of the top bar to view your location and surroundings.

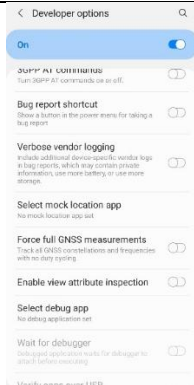
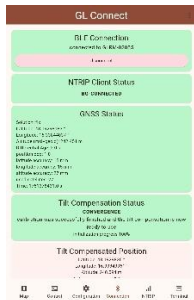
At this point, the app is ready to receive location data; however, to use the high-precision GNSS positions from your GLRM receiver, you need to set up GL Connect as a mock location provider, as described in the following steps.



To ensure proper communication between the GLRM GNSS receiver and QField, configure the GL Connect app as follows:

1. Open the GL Connect app.
2. Navigate to the "Connection" tab.
3. Enable the following options:
  - **Background Execution** – Allows the app to run continuously in the background.
  - **NTRIP Client** – Activates real-time correction data streaming via an NTRIP connection. Please note: this

<p>option becomes available only after completing the NTRIP configuration in GL Connect.</p> <ul style="list-style-type: none"> <li>• <b>Mock Location</b> – Enables the app to provide corrected GNSS coordinates to other applications by overriding the internal GPS location. Please note: this option becomes available only after selecting GL Connect as the mock location app in your Android device's developer settings.</li> </ul>	
<p><b>Adding an NTRIP Profile in GL Connect</b></p> <p>From the GL Connect main screen, navigate to the NTRIP section. Enter the required connection details, including the server address, port, username, and password. Then, select the appropriate mount point from the list. Once all fields are completed, initiate the connection by tapping Connect to NTRIP Client.</p>	
<p><b>Enabling Developer Options on Your Android Device</b></p> <p>To allow the use of Mock Location with external GNSS receivers, you first need to unlock the Developer Options on your Android device:</p> <ol style="list-style-type: none"> <li>1. Open your device's Settings.</li> <li>2. Scroll down and select About Phone (or About Device, depending on your Android version).</li> <li>3. Locate the Build Number entry.</li> <li>4. Tap the Build Number repeatedly (approximately 7 times) until you see a message confirming that Developer Options have been unlocked.</li> <li>5. Return to the main Settings menu, where you will now find a new section called Developer Options.</li> </ol>	
<p>To allow your device to use corrected GNSS data from an external NTRIP client, follow these steps:</p> <ol style="list-style-type: none"> <li>1. Navigate to Developer Options (previously unlocked).</li> <li>2. Tap on Select mock location app.</li> <li>3. From the list of available apps, select GL Connect.</li> </ol>	

	
<p>Once the mock location app is selected and active, all applications on your Android device that use location services will automatically receive the high-accuracy positional data streamed from the GLRM GNSS receiver.</p> <p>You can now open QField and begin surveying without any additional configuration. The app will use the corrected coordinates provided by the external receiver instead of the internal GPS.</p>	
<p>Once GL Connect has been configured and set as the mock location app, return to the GPS Location app. If everything has been set up correctly, the app will now receive position data from the GLRM receiver. You should notice an improvement in the displayed positioning accuracy, and the status bar in the map view should also be significantly more precise. The vertical and horizontal accuracy should reflect the enhanced precision provided by the GLRM receiver. This confirms that the app is successfully using the corrected GNSS stream for georeferenced data collection.</p>	