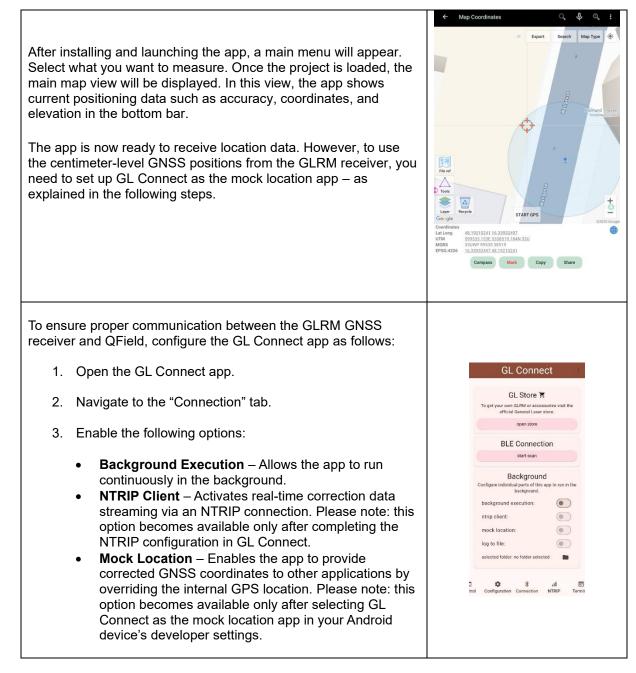
Using the GLRM Receiver with UTM GEO Map



The UTM Geo Map app is a free application for surveying, topography, GIS, and spatial analysis. It allows for capturing and processing coordinates, measuring areas and distances, creating TINs, buffers, Voronoi diagrams, and supports offline GPS and coordinate conversion. This guide explains how to use the GLRM receiver in combination with the GL Connect app to provide precise positioning to UTM GEO Map on Android devices. GL Connect acts as a mock location provider, streaming corrected GNSS positions from the GLRM receiver and making them available to other apps. To use it with this app, you need to configure GL Connect with your NTRIP credentials and set it as the mock location app in the Android system settings.



Adding an NTRIP Profile in GL Connect 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.	State
Enabling Developer Options on Your Android Device	
To allow the use of Mock Location with external GNSS receivers, you first need to unlock the Developer Options on your Android device:	Conc Ul version
1. Open your device's Settings.	11 Google Play system update April 1,2025
<ol> <li>Scroll down and select About Phone (or About Device, depending on your Android version).</li> </ol>	Baseband version Antelevatuoxid2 Kernel version 4,14190-0468283-abA78571400050002 42 Wed April 194-028 49J 2023
3. Locate the Build Number entry.	Build number RPTA 200720.012 A705FNIXXU50X02
<ol> <li>Tap the Build Number repeatedly (approximately 7 times) until you see a message confirming that Developer Options have been unlocked.</li> <li>Return to the main Settings menu, where you will now find a new section called Developer Options.</li> </ol>	SE for Anchoid status Edward BEPP, SM Anceset, 11, 0010 Week Apr 11 Stat27 20124 Nock 27 Stat2 20124 Nock 27 Stat2 2012 Not 2012 Stat2 2012 Sta
To allow your device to use corrected GNSS data from an external NTRIP client, follow these steps:	C Developer options     Q
1. Navigate to Developer Options (previously unlocked).	Bug report shortcut Bug report shortcut Bug report shortcut Bug report shortcut
2. Tap on Select mock location app.	Verbose vendor logging make additional device genericity windler togs in bigging products which may command reads additionality, use marke battering, et use marke additionality
3. From the list of available apps, select GL Connect.	Select mock location app         Terror full (INSS) measurements         Time A (0XS) constraintions and traumoistic         Time A (0XS) constraintions and traumoistic         Enable view attribute inspection         Select debuig app         Mainting exploration test         Waint for debuigger         and applied pairs are said for analogies test         Verific annee round (ISE)
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. You can now open QField and begin surveying without any	CL Connect
additional configuration. The app will use the corrected coordinates provided by the external receiver instead of the internal GPS.	The Compensation Status compensations with due to an average status of the grant has a two index and a status of the grant has a two index and a status of the status of the status index and a status of the status of the status index and a status of the status of the status of the status index and a status of the status of the status

v1.0

Once GL Connect has been configured and set as the mock location app, switch back to the UTM Geo Map app. If everything is set up correctly, the app will now receive positioning data from the GLRM receiver.

You should see improved positioning accuracy in the status bar of the map view. Both vertical and horizontal accuracy should now reflect the high precision of the GLRM receiver. This confirms that UTM Geo Map is successfully using the corrected GNSS data stream for georeferenced data collection.

