Using the GLRM Receiver with Mappt-App

Mappt is a powerful mobile and GIS (Geographic Information System) data collection app that allows users to create, edit, store and share location-based data using your Android device. This guide explains how to use the GLRM receiver in combination with the GL Connect app to provide precise positioning to Mappt 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 Mappt, you'll need to configure GL Connect with your NTRIP credentials and set it as the mock location app in Android system settings.



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:	Cone UI version
1. Open vour device's Settings.	Android version 11 Copole Play system undate
	April 1, 2025
 Scroll down and select About Phone (or About Device, depending on your Android version). 	A70594X305002 Kernel Version 4.1.410-24042329-340-7759-1020325022 42.9944 417 11-847-3847 7024
3. Locate the Build Number entry.	Build number RP1A 200720.012.A705FN0XUS0X02
 Tap the Build Number repeatedly (approximately 7 times) until you see a message confirming that Developer Options have been unlocked. 	SE for Android status Enforcing SEPE_BA Prosect_11_0010 bergArt 1116257 20124 Knox version Rotel 32 forces.Aref level 23 forces.Aref level 23 forces.aref level 23
 Return to the main Settings menu, where you will now find a new section called Developer Options. 	Service provider software version Service Service Tool And Service Ser
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).	Tran SBP AT commands as edit.
2. Tap on Select mock location app.	Verbage verbage logging in blag reports, with how contain type informations, with how contain practice informations, see more battley, or use more storage.
3. From the list of available apps, select GL Connect.	Select mock location app No mock location app set Force full GNSS measurements
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	Select debug app No debug application set
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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 additional configuration. The app will use the corrected coordinates provided by the external receiver instead of the internal GPS.	CL Cornect Di Cornection Lance de Activité Correct Co
Once GL Connect has been configured and set as the mock location provider, return to the Mappt app. If everything has been set up correctly, Mappt will now receive position data from the GLRM receiver. You should notice an improvement in the displayed positioning accuracy in the status bar of the map view. The vertical and horizontal accuracy should reflect the enhanced precision provided by the GLRM receiver. This confirms that Mappt is successfully using the corrected GNSS stream for georeferenced data collection.	Version