

Leica GNSS Receiver Configuration with Zeno Connect

(tcpgps_android_en_v20_leica_gnss_receiver_configuration_with_zeno_connect)

Update date

2021/02/19

Objetive

Configure Leica **GG02**, **GG03**, **GG04**, **GG04 PLUS** or **FLX100** GNSS receivers to work in RTK mode using **Zeno Connect**, and connect with **TcpGPS**.

Requirements

Hardware:

Android device (tablet or smartphone)

GNSS receiver

GG02
GG03
GG04
GG04 PLUS
FLX100

Software:

TcpGPS v2.0+

Leica Zeno Connect v3.3.1.1.1647+

Operating system:

Android

Details

Zeno Connect app allows one to configure **Leica GG02**, **GG03**, **GG04**, **GG04 PLUS** and **FLX100** GNSS receivers to work in RTK mode using virtual networks. The app must be installed on a device with Internet connection.

The following link allows one to download it from Google Play:

https://play.google.com/store/apps/details?id=com.leica.zenoconnect

After configuring this app, just run **TcpGPS** and connect, using Bluetooth or internal GNSS, to receive coordinates in real time with centimeters-level accuracy.



The steps to follow are detailed below:

• Run Zeno connect on smartphone or tablet.



Go to Settings > Realtime Corrections and click + button, on top right screen corner, to create a new profile.

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• Enter Name and Description and click Next.

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• Select Internet as profile type and click Next.





• Click + button, on top right screen corner, to create a new server.



• Enter the data required for the server. Activate **Use NTRIP with server** in case NTRIP caster.

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Use NTRIP with server	OFFON
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• Select the server created and click Next.



• In case NTRIP server, select the mountpoint and click **Next**. To access to mountpoint list, click button on the right.





• Select RTK format and leave Automatic option in Network Type and Reference Antenna.

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• After clicking **Finish** button, existing profiles will be shown and the latest one created will be activated.





• (Only GG04 PLUS and FLX100) Go back to previous menu and select NMEA Settings.

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GSA			OFF ON
GSV			OFF ON
RMC			OFF ON
VTG			OFF ON
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LLQ			OFF ON
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• (Only GG04 PLUS and FLX100) Activate the following messages with the frequency shown for each one.

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• Go back to previous menu and click **Antenna** to select the GNSS receiver to connect with.

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POSITION					
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• Go to main screen and check that the accuracies are centimeters-level.





- Minimize Zeno Connect app
- (Only GG02, GG03 and GG04) Go to setting options and select Zeno Connect app within Developer options > Select mock location app.

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- Run TcpGPS.
- (Only GG04 PLUS and FLX100) Select External GNSS Receiver (Bluetooth), LEICA as Brand and GG04 PLUS or FLX100 as Model. Then, select the GNSS receiver and click Connect.



• (Only GG02, GG03 and GG04) Select Internal GNSS Receiver, LEICA as Brand and GG02, GG03 or GG04 as Model. Then, click Connect.

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GNSS Inter	nal Receiver	V	
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• The status bar must show RTK Fix as position type and the accuracies must be centimeters-level.

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Video

Watch video at https://youtu.be/XGTm3eITf9Q