

# Leica GS18

July 21, 2021 8:57 AM

## High-level configuration process

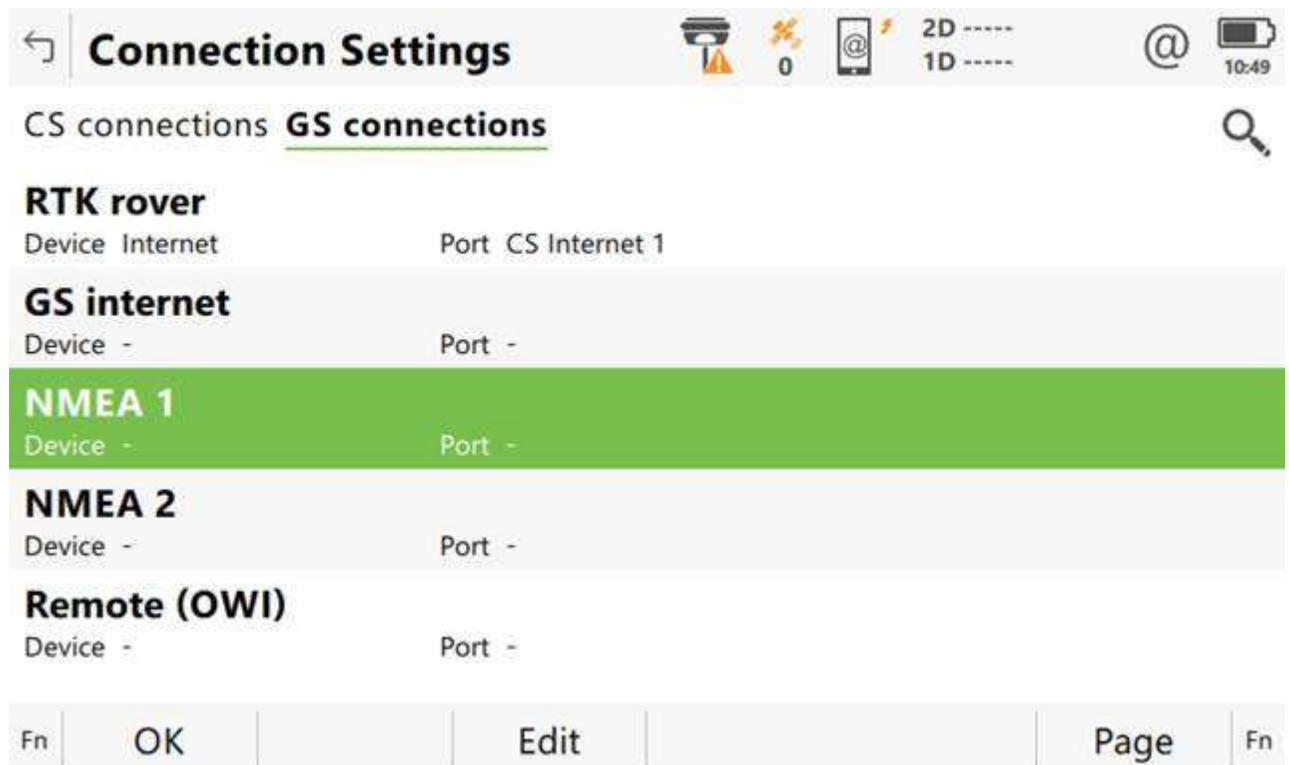
1. Configure the GS18 to send NMEA GGA data in Bluetooth Port 1 and Port 2 at 10Hz Rate.
2. Reroute the NMEA string from GS18 to Lefebure NTRIP.
3. In Android developer mode, select the Lefebure NTRIP as the mock location provider.
4. In vGIS, select the mock position.

## Detailed configuration steps


### GS18 configuration

The configuration for streaming out NMEA messages from Leica controllers (CS20 for example).

1. Connect your controller to the GS18 device.
2. From the main menu go to 'Settings → Connections → All other connections → GS connections Tab → NMEA 1.



3. Press *Edit* and enable 'Stream NMEA messages from the GS sensor' option.

← **NMEA Output 1**    2D ---- 1D ---- @ 10:54

Stream NMEA messages from the GS sensor ☒

Connect using **GS BT 1** ▼

Device **<GS BT 1>**


NMEA Version **4.1 (compact)** ▼

Use a defined talker ID ☐

Messages to be streamed (local coordinates will be computed using the coordinate system on the GS) ----

OK Messages Device

4. Select the desired port from where the NMEA messages will be transmitted. For simplicity you can configure a Bluetooth port (GS BT 1 or 2).
5. Press F5 or press 'Device' to configure your serial port setup.

← **Edit Device**    2D ---- 1D ---- @ 11:26

Name **RS232**

Type **RS232**

Baud rate **115200** ▼

Parity **None** ▼

Data bits **8** ▼

Stop bit **1** ▼

Flow control **None** ▼

Fn Store Fn

6. Select the desired NMEA version under 'NMEA Version'.
7. Press F2 or press 'Messages' to configure the desired NMEA messages.
8. When finished press OK two times in order to go back to the main menu.

Last but not least, GS18T device should have a license for streaming our NMEA. The customer could

check it by going from the main menu to 'Settings → About Leica Captivate → GS sensor Tab → NMEA out':

