

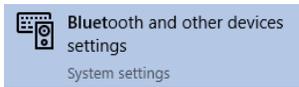


# How to receive GNSS data through Bluetooth in topoXpress on Windows 10

The **Windows 10** edition of topoXpress can connect to **Bluetooth GNSS** devices in order to get location data from external (or built in) receivers. The communication between the Bluetooth device and topoXpress is running through the **COM port** (communication port) on Windows. Therefore, there is no Bluetooth option on the topoXpress user interface, only COM port in the GNSS settings! topoXpress has a built in **NMEA processor** which can process the data stream from the receiver, if it is coming in NMEA (sometimes referred as NMEA-0183) format. This setting must be done on the receiver e.g. through the manufacturer's application like Geode Connect when using a Juniper© Geode receiver. Follow this guide to set your Bluetooth receiver for topoXpress on Windows 10:

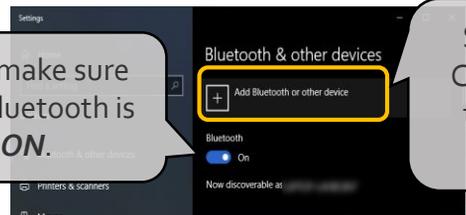
## 1.

First, pair the receiver with the Windows 10 machine: Open the **Bluetooth and other devices settings** in the System settings.



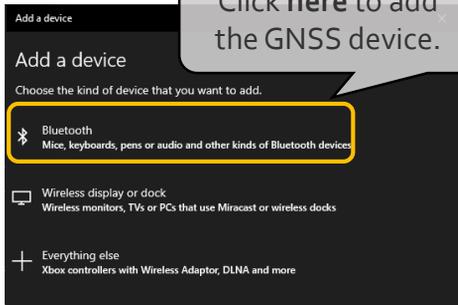
## 2.

First, make sure that Bluetooth is **ON**.



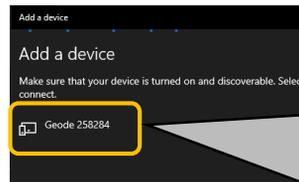
Second, Click **here** to add a device.

## 3.



Click **here** to add the GNSS device.

## 4.



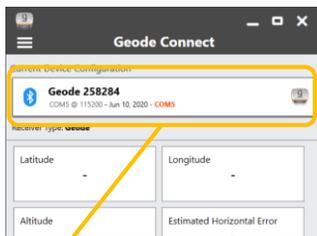
Make sure, that pairing mode is on the receiver and the device will show up. **Click on the name to pair!**



After a successful pair it should say **Paired** under the name.

## 5.

Launch the manufacturer's app to set up the NMEA output and check the connection details.



Current Device Configuration



This is the **COM port** number.

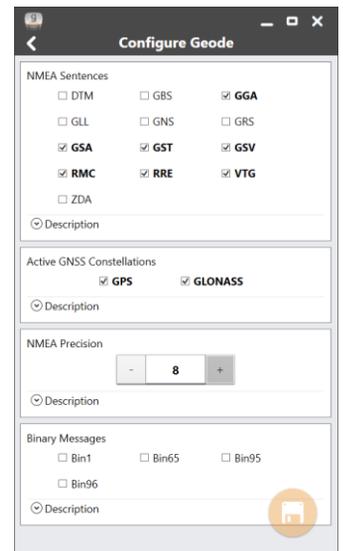
This is the **Baudrate** of the connection.

## 6.

Make sure in the manufacturer's app, if the NMEA settings are similar to this example.

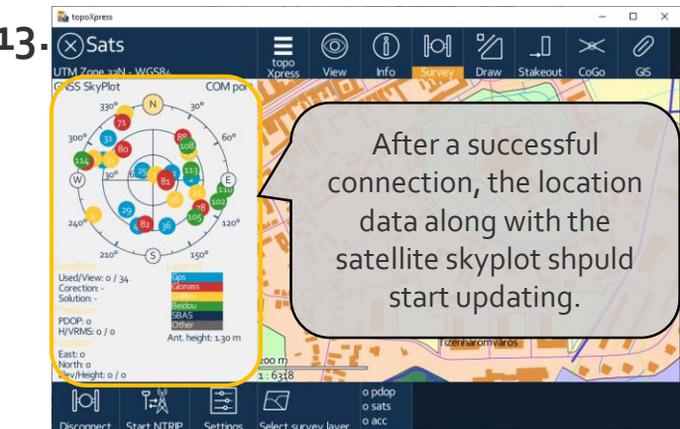
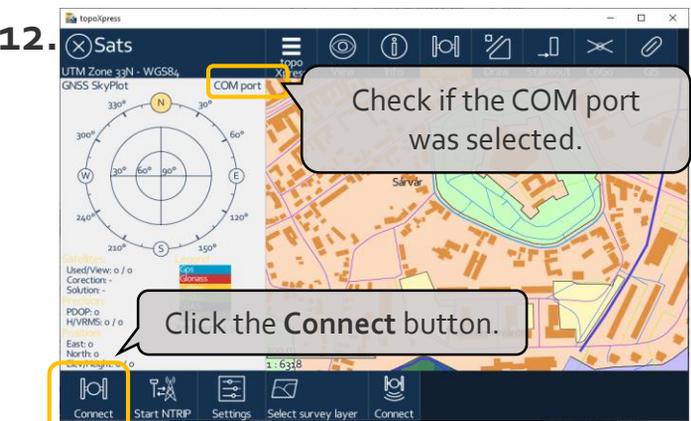
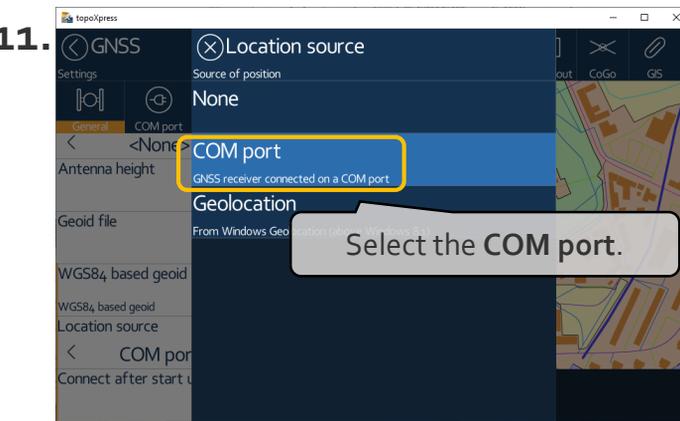
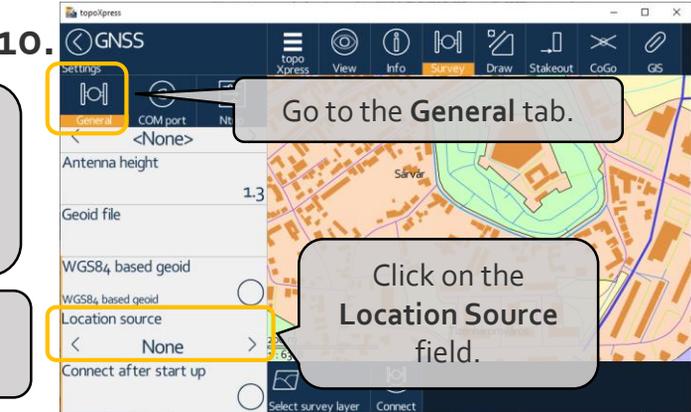
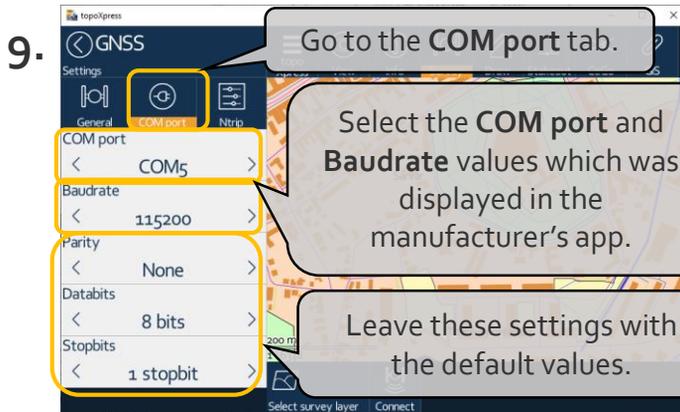
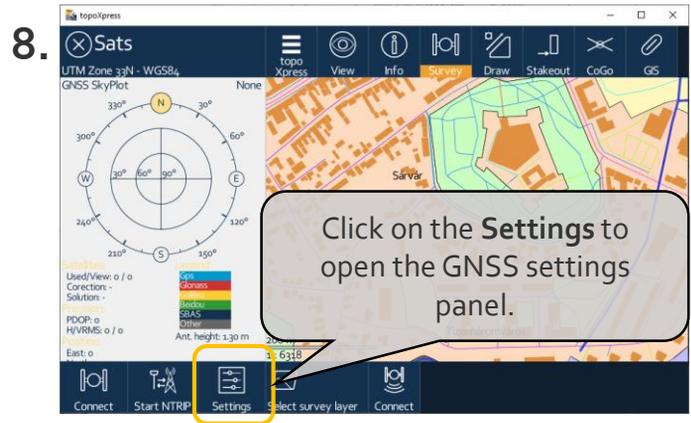
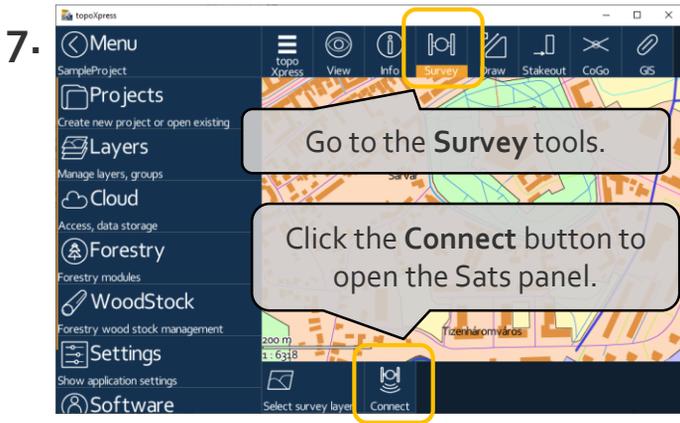
After setting up the NMEA output, **CLOSE THE MANUFACTURER'S APP!**

(most devices can occupy only one connection, which would not allow topoXpress to connect)



If there is no information on the port details you can use a port search application e.g. in TopoLynx topoXplore to find. The port finder is located under the **GNSS serial port settings** in topoXplore. (<https://www.topolynx.com/help/topoxplore/index.html>)

Open topoXpress and do the following setup:



### Troubleshooting tips:

- Make sure that the Bluetooth is turned on at both the receiver and the Windows machine.
- Make sure that only one software is using the GNSS data at one time.
- Try reconnect to the receiver if no data is received.