MicroSurvey

May 2018

FieldGenius Connection Guide

SOKKIA GNSS GRX2 RECEIVER

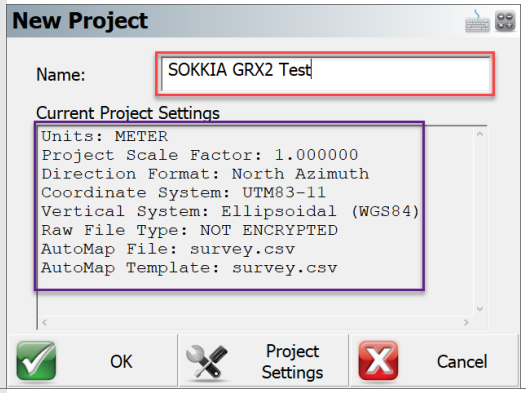
FieldGenius version 9.3.24.0

This document details the steps to connect and configure FieldGenius to connect to the Sokkia GRX2 GNSS receiver with a GSM modem. For information on how to configure the UHF radio refer to the FieldGenius Manual. This document is specific to the GRX2 and FieldGenius version 9.3.24.0. For more general instructions on getting started with FieldGenius see the Total Station Quick Start guide.

FieldGenius GNSS Quick Start Guide

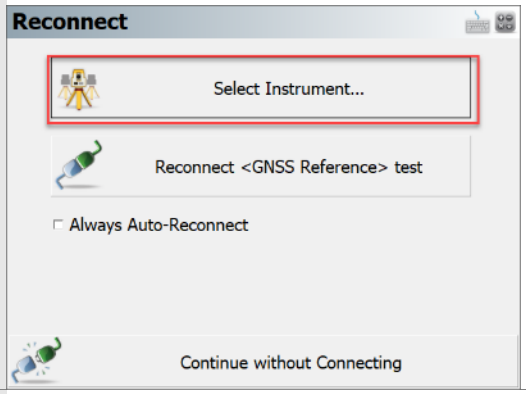
Open new project

- Select the new project button
- Type in the project name
- Review and update project default settings as necessary



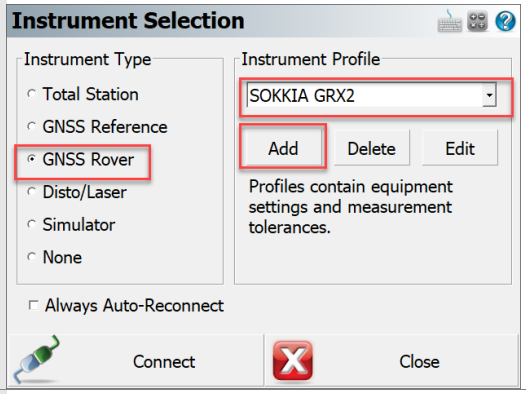
Select instrument

- Select the Select Instrument button



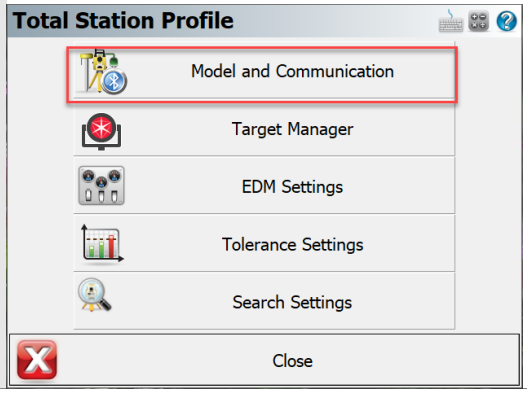
Instrument Type

- Select the instrument type
- Select the Add button
- If the instrument profile is already setup select it from the dropdown list



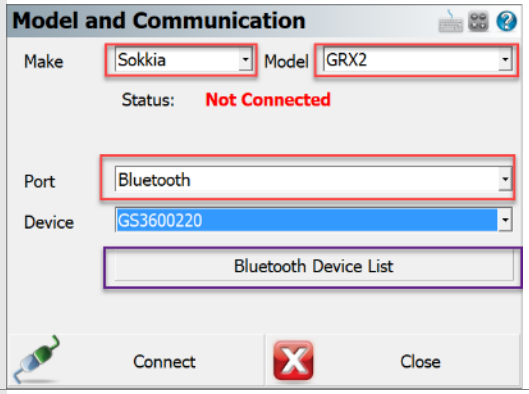
Model and Communication

- Select Model and Communication button



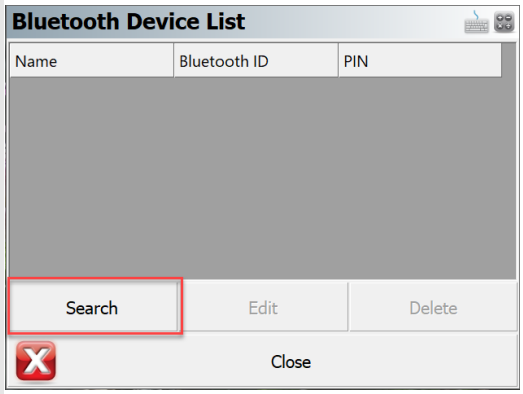
Select Receiver

- Select Sokkia make
- Select GRX2 model
- Select connection method Bluetooth
- Select the Bluetooth Device List button to go to the screen that allows you to search for new Bluetooth devices



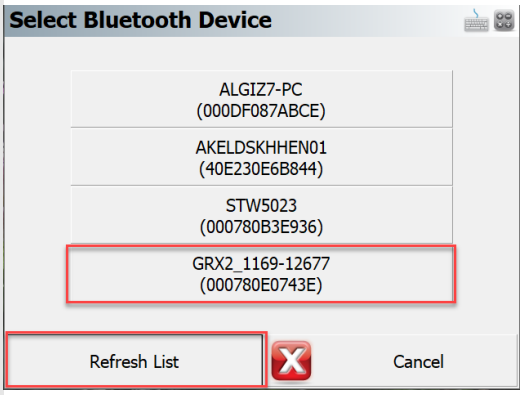
Bluetooth address

- If the Bluetooth address of the device is not listed (e.g. new device) select search.
- Select edit to change the Name or PIN number on an existing device.
- Select delete to remove the Bluetooth device from the connect list.



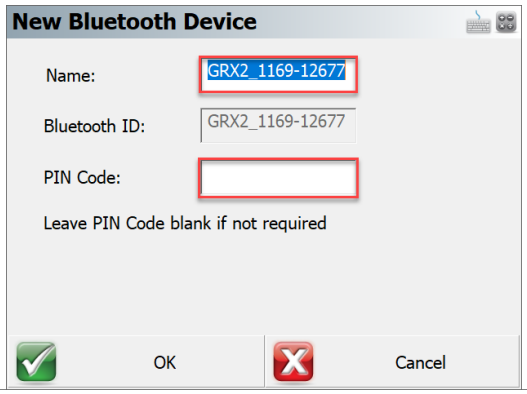
Select Bluetooth device

- After the search, select the Bluetooth device address. Note: This usually has the device serial number included in the address
- If the device is not listed select the refresh list button. Depending on the number of Bluetooth devices and the status of the Bluetooth modem you may need to hit the refresh button a number of times until the device shows up.



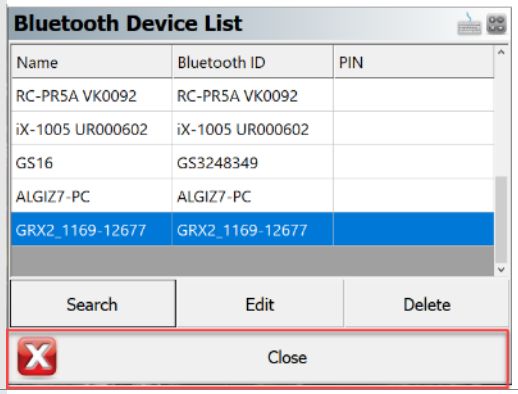
Name and PIN

- Name the device if you want to change it from the Bluetooth ID
- Leave the PIN number blank. Only add a Pin if the receiver requires it (refer to Hardware manual)
- When done select OK



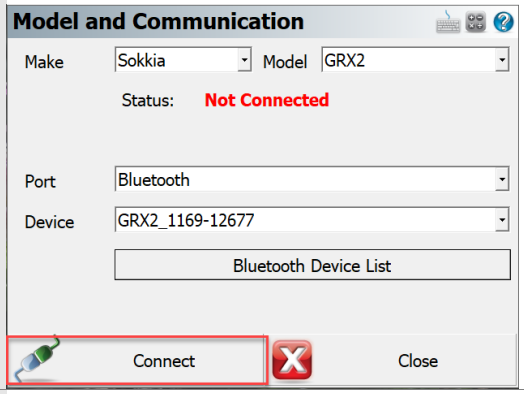
Device listed

- Click on device line to highlight
- Select Close



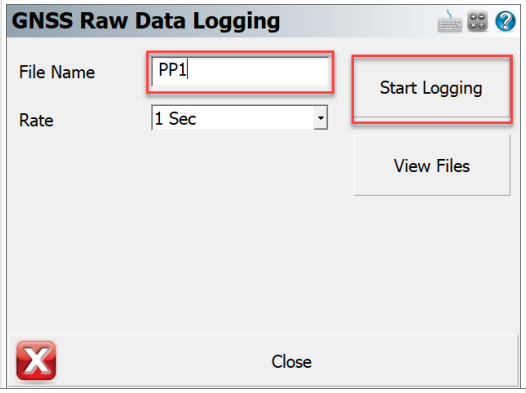
Connect

- Select Connect to connect to GRX2



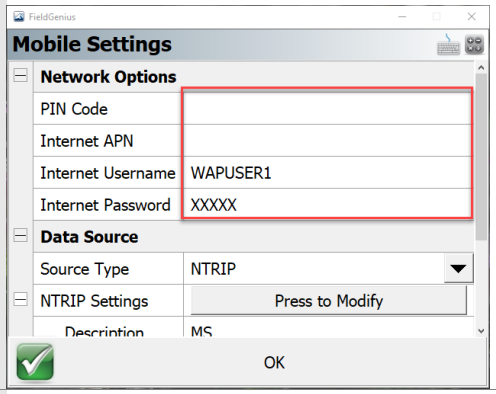
Raw Data logging

- To log raw data enter file name where the raw data will be saved
- Select start logging
- Select close if you do not want to log raw data.



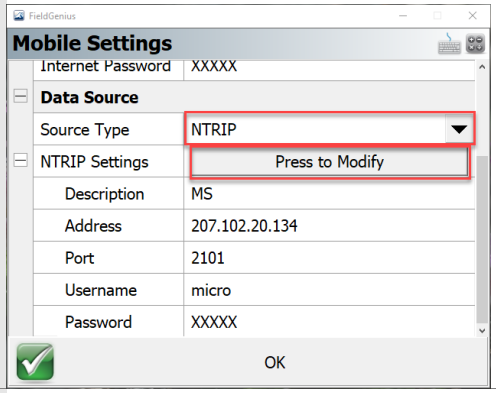
Network Setup

- With the GSM modem set up the connect to obtain RTK corrections enter the:
    - Pin Code
    - Internet APN
    - Username
    - password



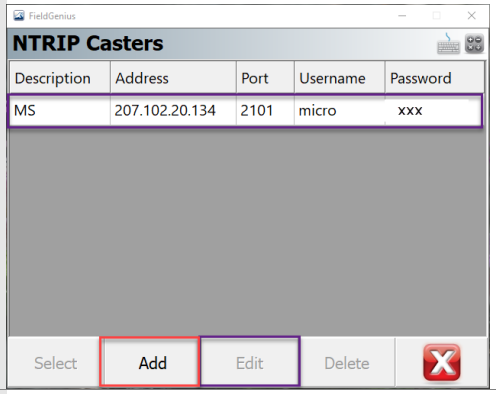
Correction Data Source

- Select the source type from the dropdown
- To set or modify the correction source connection parameters select Press to Modify button



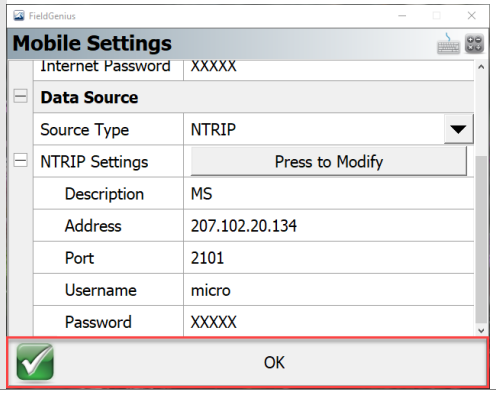
Connect

- To add a new NTRIP Caster select the Add button
- To modify an existing listing select the listing and then the Edit button



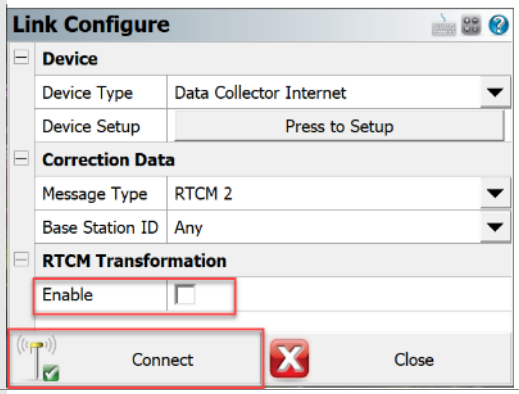
Confirm correction configuration settings

- Select the OK Button



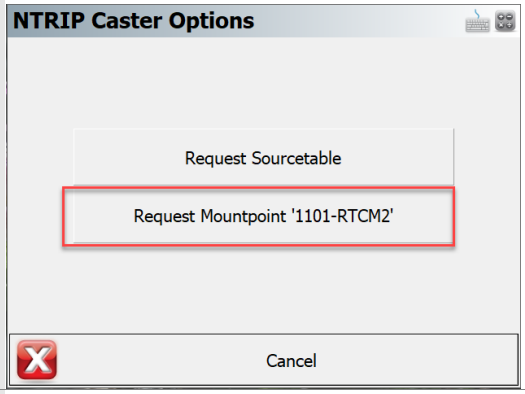
Connect to Correction service

- Select the Connect button



Connect to Correction service

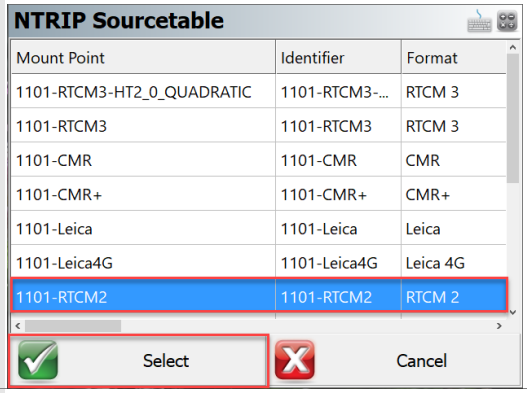
- Request a source table or select an existing mount point if listed



NTRIP Sourcetable

- Select the mount point and format you want to use for RTK correction.

Select the Connect button



Confirm the Correction Format and NMEA requirement

Chose the correction format and NMEA requirement and then select the Select button to proceed to the map view screen.

