Setup Guide – EMLID Reach RS

PART 2 OF 3 - CREATE A FIELDGENIUS PROJECT AND INSTRUMENT PROFILE TO CONNECT

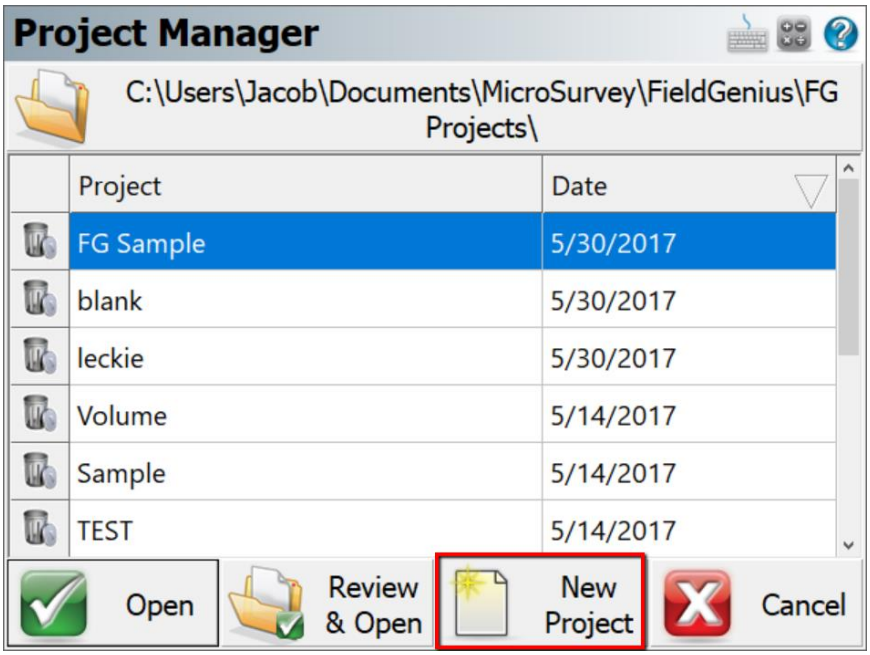
This guide demonstrates the steps required to connect to the EMLID Reach RS GNSS with MicroSurvey FieldGenius.

Creating a new project and configuring project settings are covered, as well as creating a profile for the receiver and connecting to it.

Part 1 of the setup guide is required to be completed before using this guide.

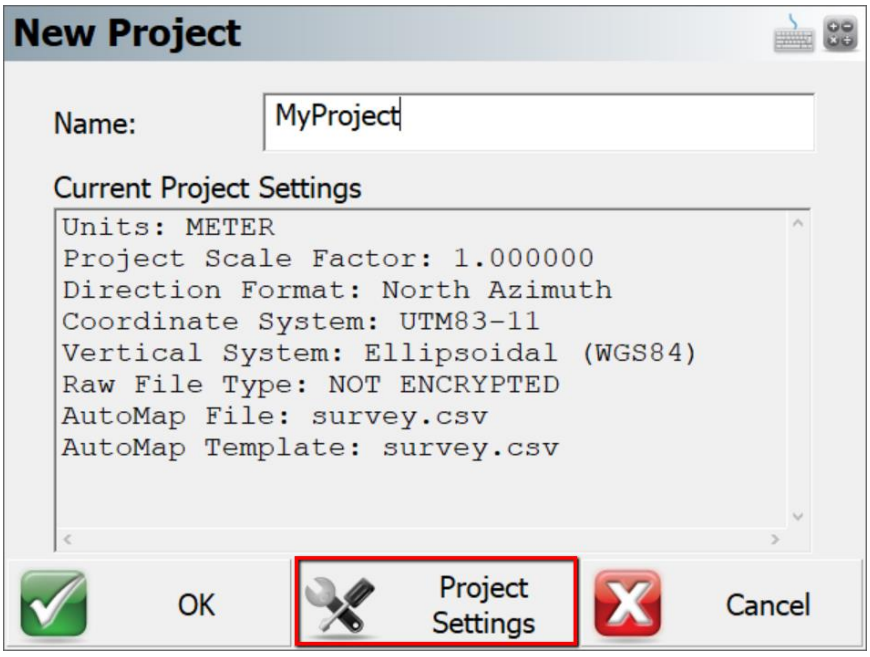
Open FieldGenius

- Launch FieldGenius
- From the Project Manager pick the **New Project** option



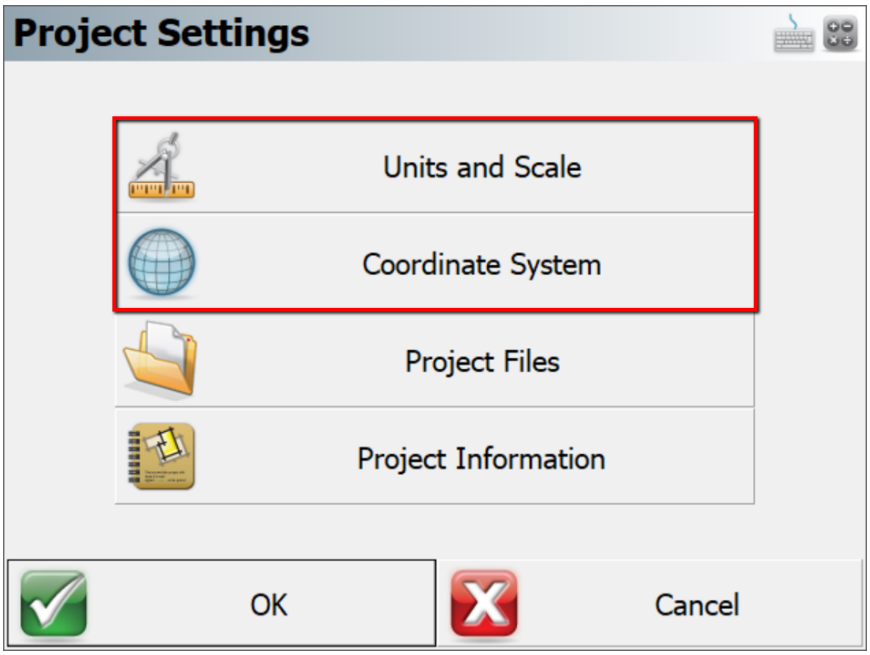
Create a new project

- Enter a name for your project
- Pick the **Project Settings** option



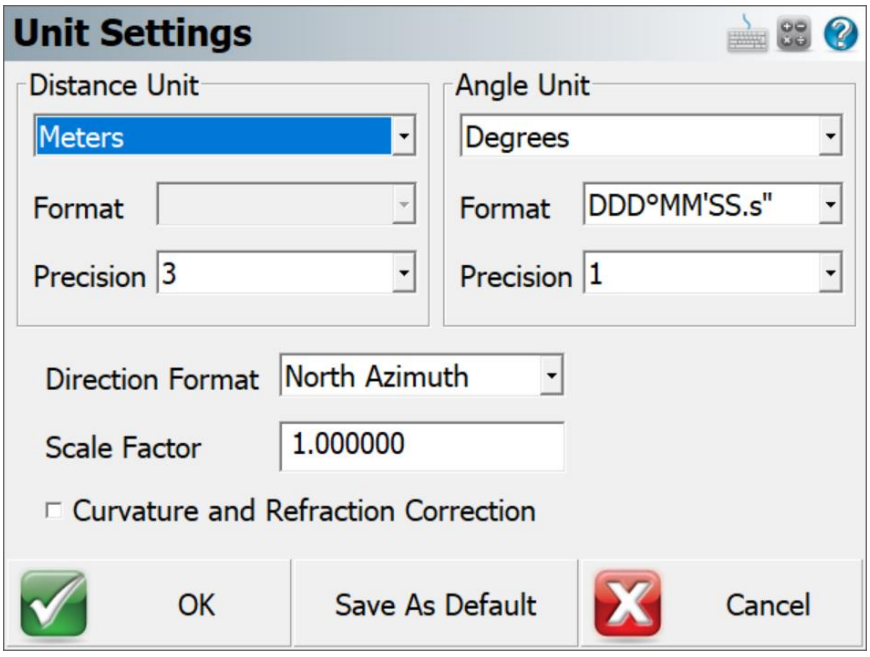
Configure Project Settings

- Unit settings can only be set at project creation



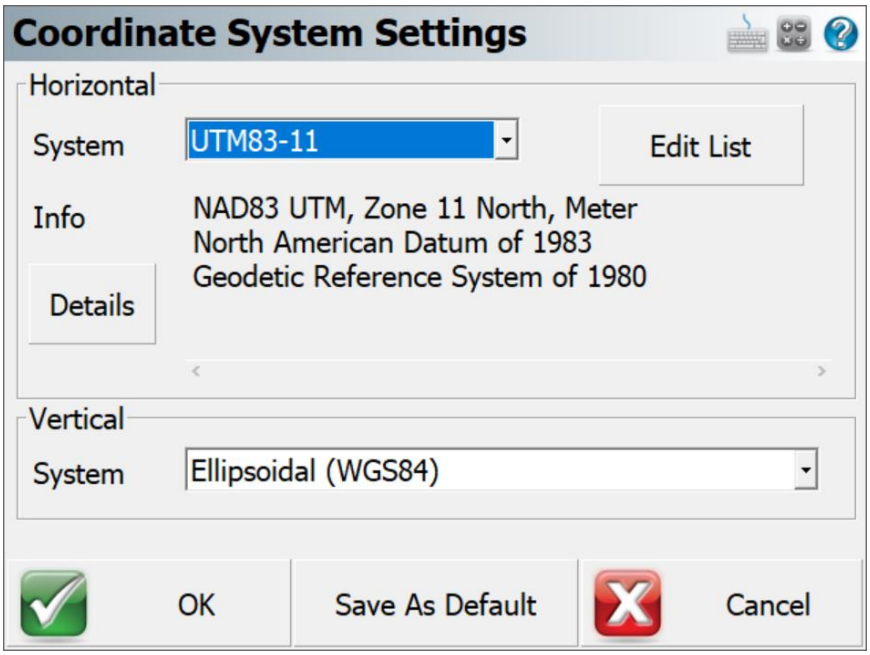
Set Unit Settings

- Set desired distance unit and angle unit settings
- Optionally **Save As Default**



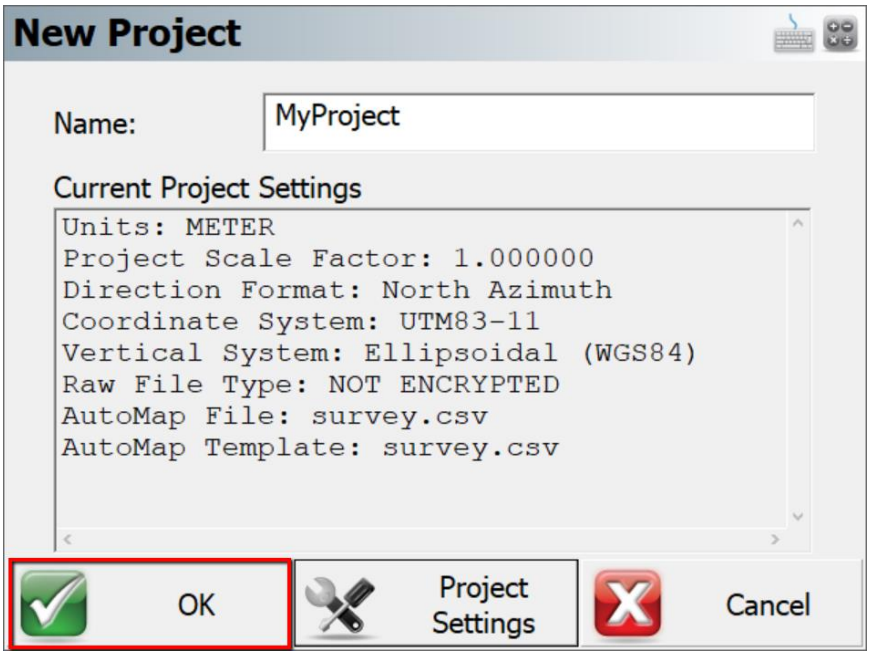
Set Coordinate System Settings

- Set desired horizontal and vertical systems
- Optionally **Save As Default**



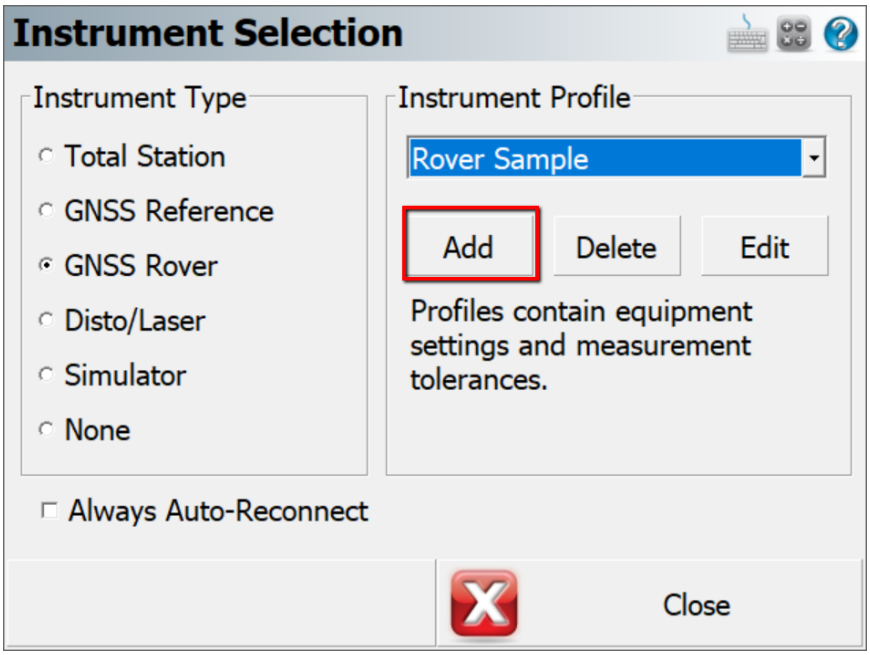
Create Project

- Pick **OK** to finish creating the new project



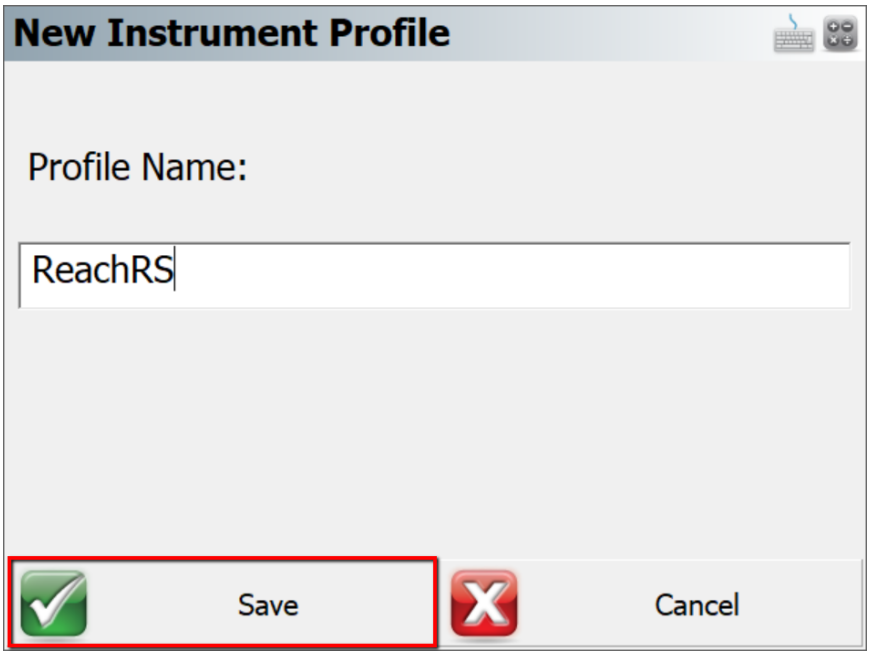
Create Instrument Profile

- From the Instrument Selection dialog pick the **GNSS Rover** Instrument Type
- Pick the **Add** option to add a new Instrument Profile



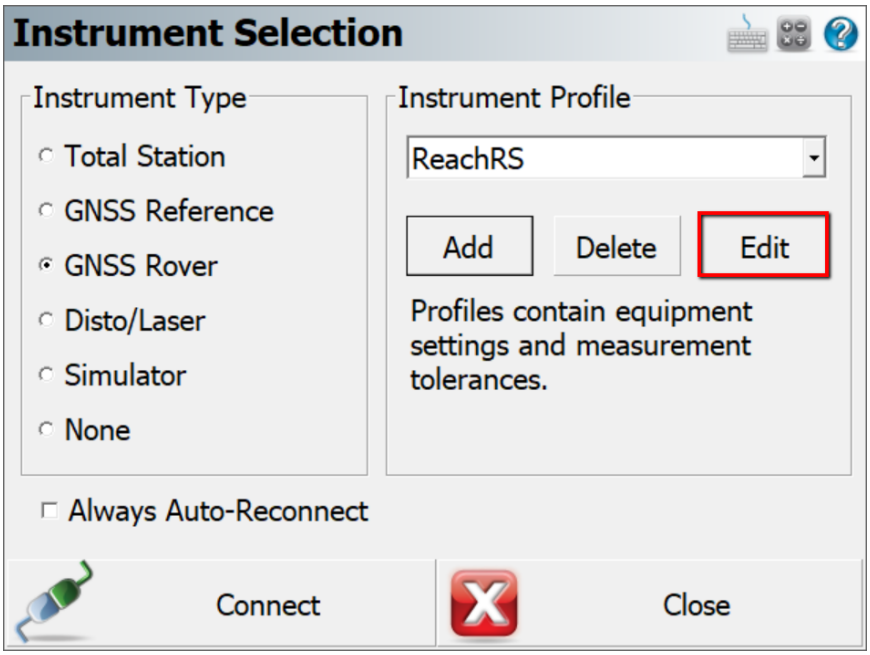
Create Instrument Profile Cont'd

- Enter a name for your profile
- Pick **Save** to create the profile



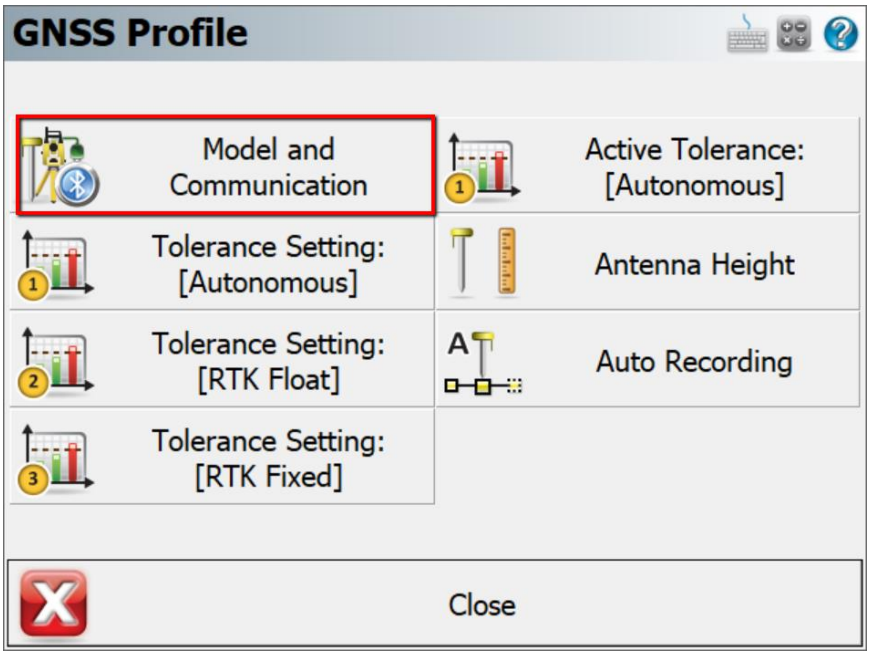
Edit Instrument Profile

- Pick the **Edit** option to edit the newly created Instrument Profile



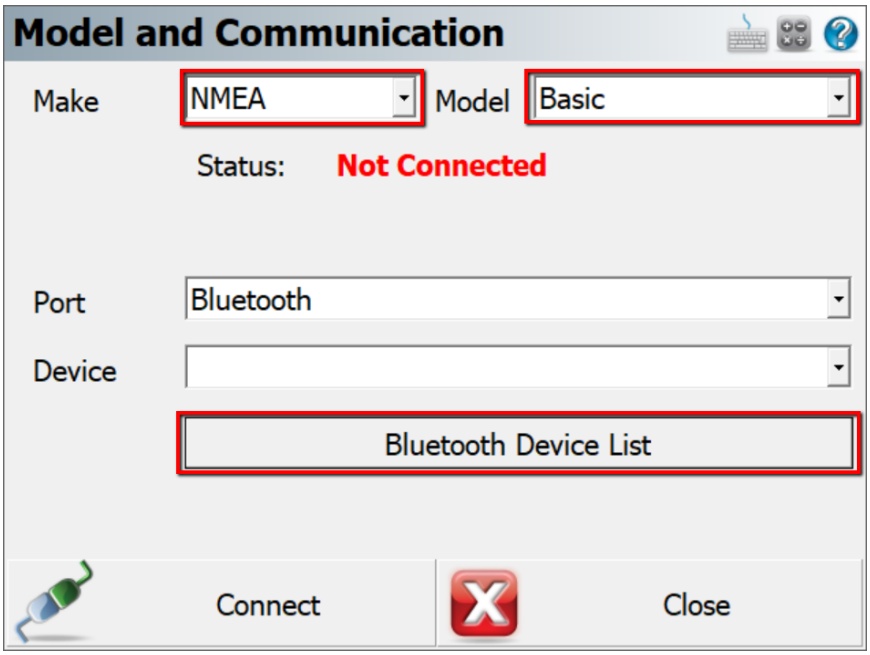
Edit Instrument Profile Cont'd

- Pick **Model and Communication**



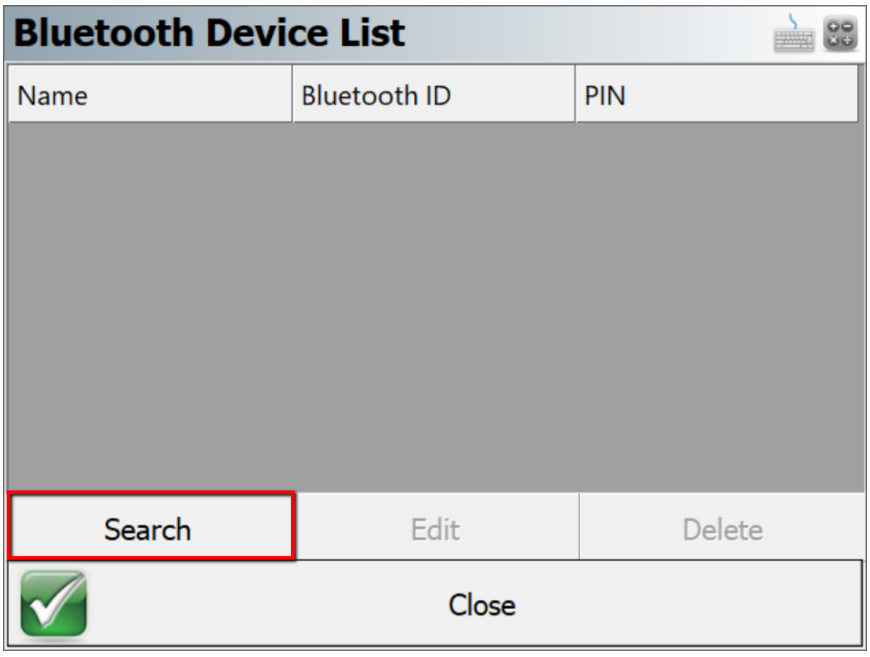
Edit Instrument Profile Cont'd

- From the Make list choose **NMEA**
- The only Model available is **Basic**
- From the Port list choose **Bluetooth**
- Pick the **Bluetooth Device List** option to add the device



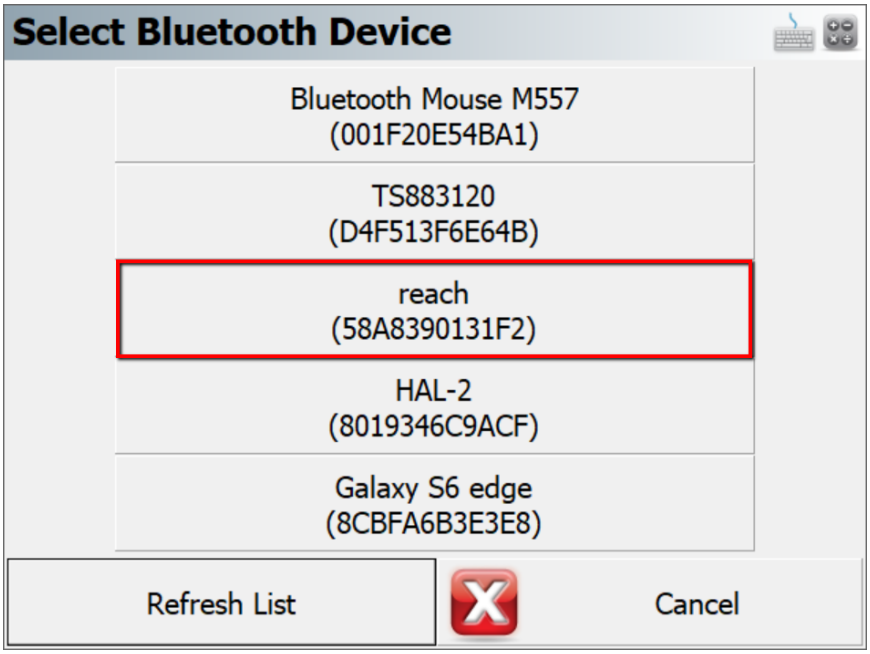
Add Bluetooth Device

- Pick the **Search** option to search for available Bluetooth devices



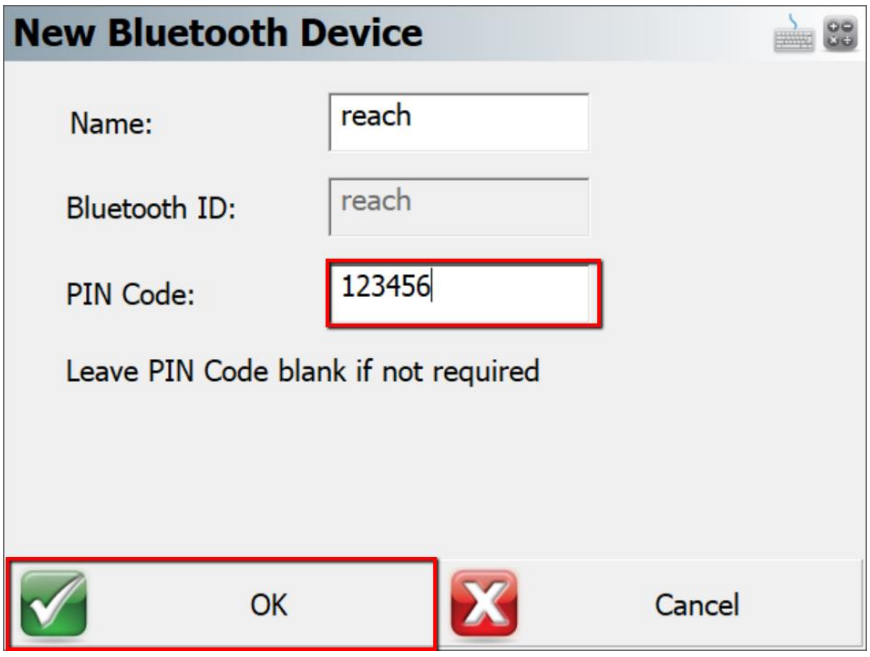
Add Bluetooth Device Cont'd

- Select the **reach** device from the list



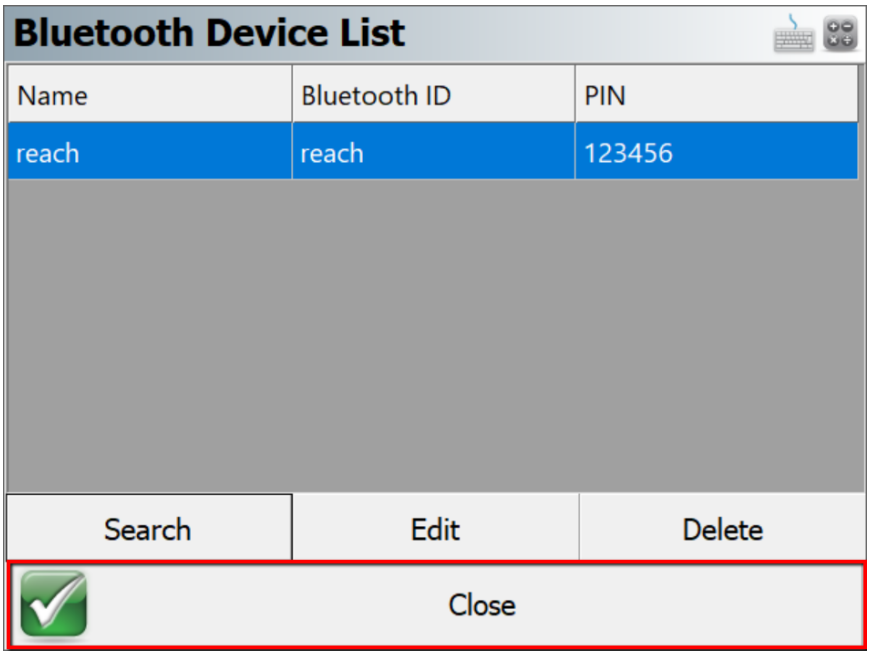
Add Bluetooth Device Cont'd

- Enter the PIN Code as set in the ReachView app, 123456 by default
- Pick **OK** to add the device to the list



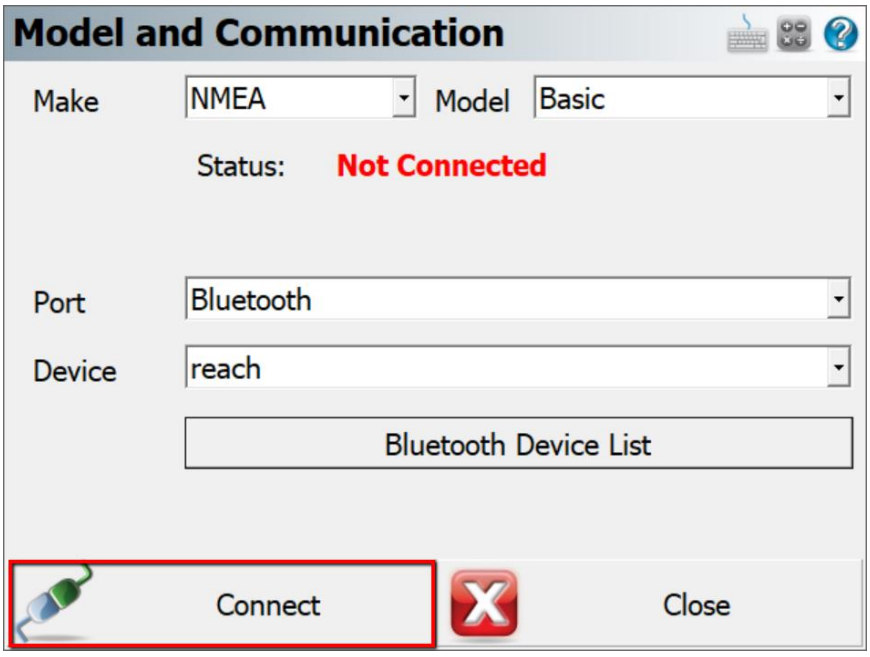
Add Bluetooth Device Cont'd

- With the device selected, pick **Close** to finish



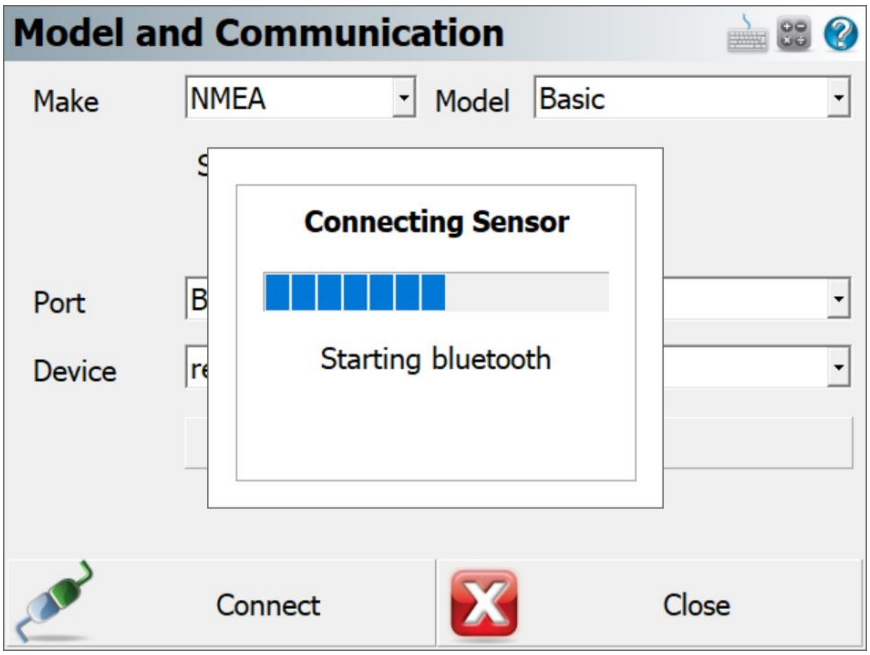
Connect

- Ensure the device is selected
- Pick **Connect** to establish the connection



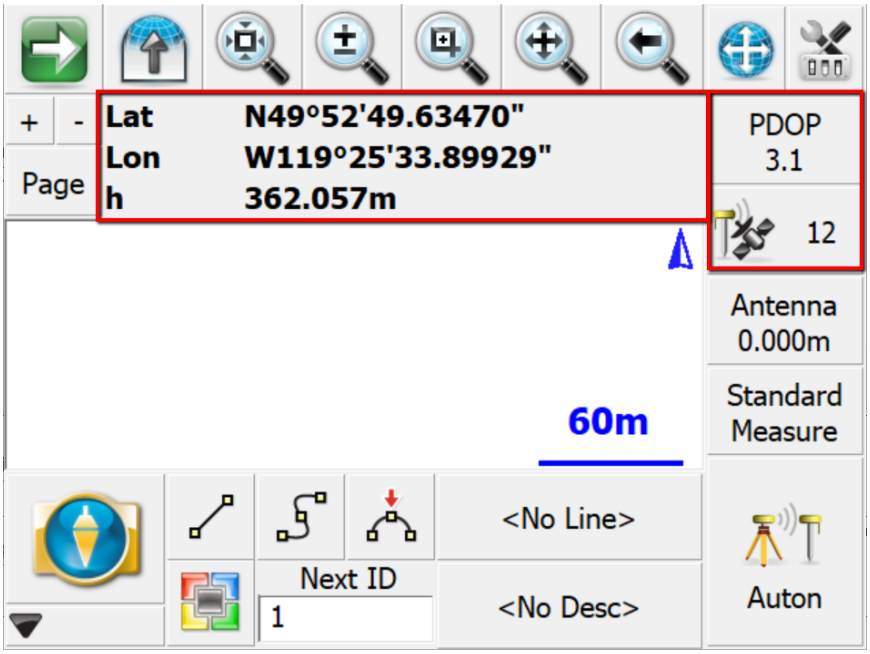
Connect Cont'd

- A progress dialog is displayed



Confirm Connection

- A valid position is reported
- PDOP values is reported
- Number of satellites is reported



Complete

The Reach RS is now connected to work with MicroSurvey FieldGenius with an Autonomous or DGPS position solution.

Part 3 of the Setup Guide will cover the procedure to setup a RTK correction link using Data Collector Internet.