

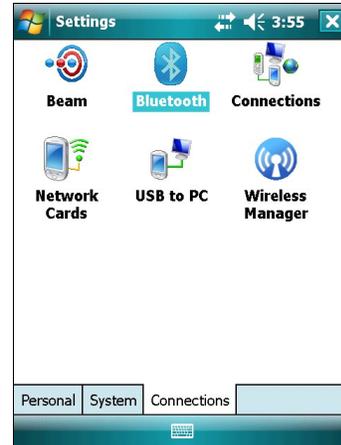
TDS Nomad – Connect To Bluetooth Instrument

Tested with Trimble Nomad with integrated Bluetooth, and Sokkia 530R3 total station.

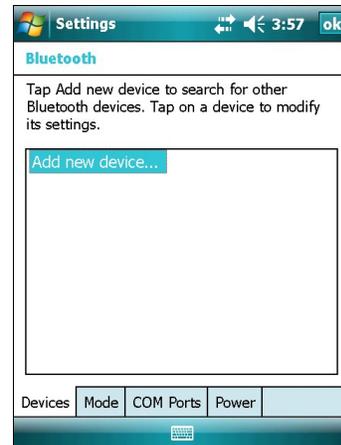
Configure a Bluetooth COM Port (FIRST TIME ONLY)

Before starting, exit from any programs that are running, and Reset your Nomad by holding your Power key down for 5 seconds.

Tap on the Start menu | Settings, tap the Connections tab, and tap on the Bluetooth icon.

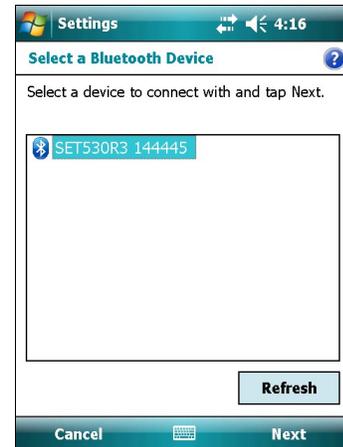


On the Devices tab, tap on “Add new device” to initiate a scan for any Bluetooth devices within range.



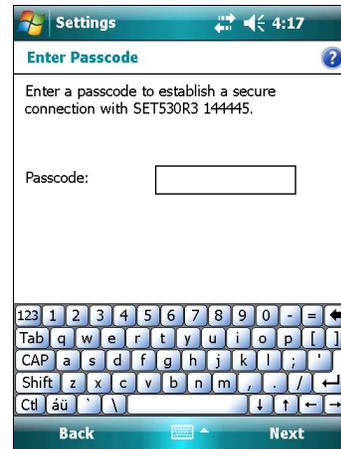
Select your Total Station or GPS Receiver model then tap the Next button.

If you do not see your instrument, press the Refresh button.
If you still do not see your instrument, check that it has been properly configured to use a Bluetooth connection.

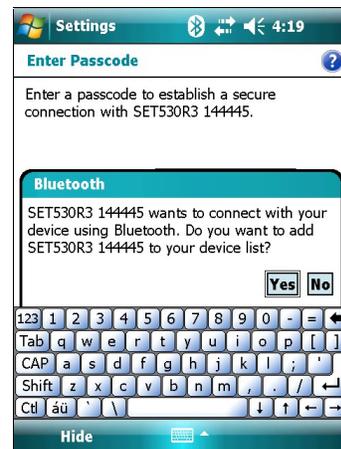


You will then be prompted to set a passcode.

Leave it blank, just press the Next button.



Tap No when asked if you want to save it to your device list.



You will then be given a selection of Bluetooth services to choose from. Some instruments may have more than one choice. Select the appropriate “Serial Port” service, then tap Finish.

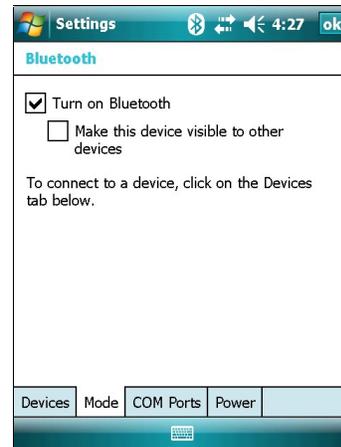


You should now see your hardware shown on the Devices screen in the Bluetooth settings.

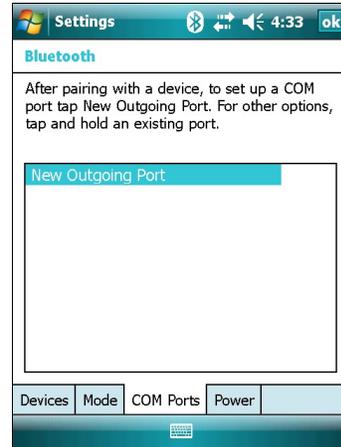


On the Mode tab, ensure that “Turn on Bluetooth” is selected.

It doesn't matter if it is visible or not, since the connection will be initiated by the Nomad.



On the COM Ports tab, tap on New Outgoing Port



Select your device and tap Next.

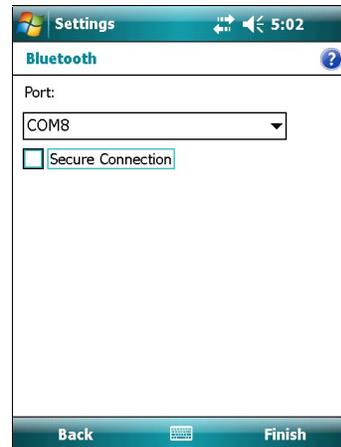


Select a Port from the list (COM 8 is the default).

Uncheck the Secure Connection option. It will not work if Secure Connection is checked on.

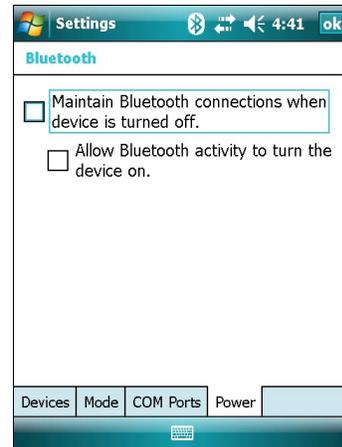
Remember which port is selected (COM 8), we will need this again later.

Then tap Finish.



On the Power tab, leave the default settings with both options unchecked.

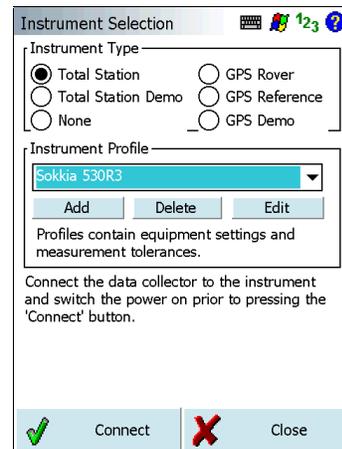
Tap OK then close any other screens.



Configure FieldGenius to use Bluetooth (FIRST TIME ONLY)

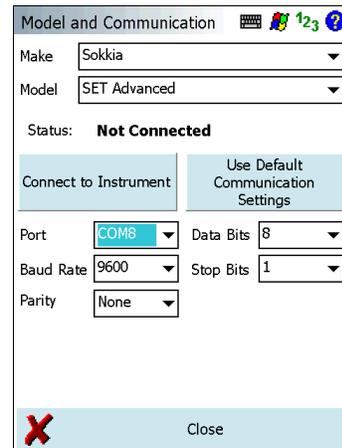
Start up FieldGenius, and go into the main menu, then Settings, then Instrument Selection. Edit your Total Station, GPS Rover, or GPS Reference profile with the following changes...

Tip: If you frequently switch back and forth between connecting with a Cable and Bluetooth, you can create a separate profile for each.



For a Total Station, click on the Model and Communication button. The only option that you will need to change is to set the COM port to match what we saw earlier, in this case COM8.

All of the other profile settings will be the same whether you are connecting with Bluetooth or with a cable.



For a GPS Receiver (base or rover), click on the Model and Communication button. The only option that you will need to change is to set the Data Collector Port to match what we saw earlier, in this case COM8.

All of the other profile settings will be the same whether you are connecting with Bluetooth or with a cable.

GPS Model and Communication

GPS Receiver

Model: Topcon HiPer

Port: Port A

Data Collector

Port: COM8

Baud Rate: Auto Detect

Parity: None

Data Bits: 8

Stop Bits: 1

OK

Turn on your Instrument's Bluetooth Transmitter (EVERY TIME)

Ensure that your total station or GPS receiver has also been configured to use a Bluetooth connection. Please refer to your equipment manufacturer's manual for instructions.

Connect FieldGenius through Bluetooth (EVERY TIME)

Connect to your instrument the same way as you would with a cable, either through the Instrument Toolbar or the Instrument Profiles screen.



FieldGenius will automatically turn on the Nomad's Bluetooth radio if necessary and will connect to your total station or GPS receiver.

Instrument Selection

Instrument Type

Total Station GPS Rover

Total Station Demo GPS Reference

None GPS Demo

Instrument Profile

Sokkia 530R3

Add Delete Edit

Profiles contain equipment settings and measurement tolerances.

Connect the data collector to the instrument and switch the power on prior to pressing the 'Connect' button.

Connect Close