

Geodimeter 600 Direct Connection

Confirm Settings

Firmware Versions

To check your firmware version, press Menu 5, 4, 1.

Note: These are the firmware numbers of the instrument we used during testing:

Firmware version 696-03.08

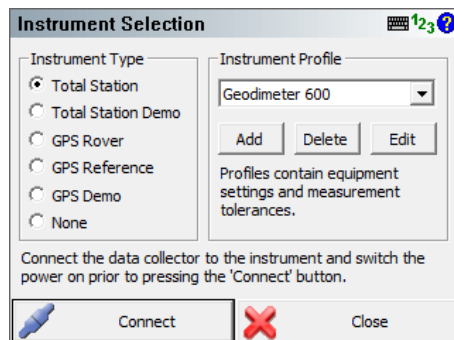
Communication Parameters

1. Select Menu, ENT, 4 (Data com), 1 (Select device), 2 (Serial) and at the prompt “Serial ON?”, select ENT.
2. Now confirm that the com settings = 1.8.0.9600 and press ENT to continue.
3. When prompted for “Table No.=”, select ENT.
4. When prompted for “Reg key?”, select ENT.

Checking Settings in FieldGenius

Please ensure you have FieldGenius 2006 Version 2.0.5 or newer installed.

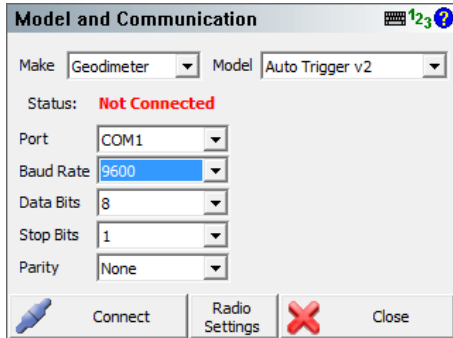
Go to the Main Menu → Settings → Instrument Settings → Instrument Selection and add a new profile:



Edit it, and select settings that match those below:

Model and Communication

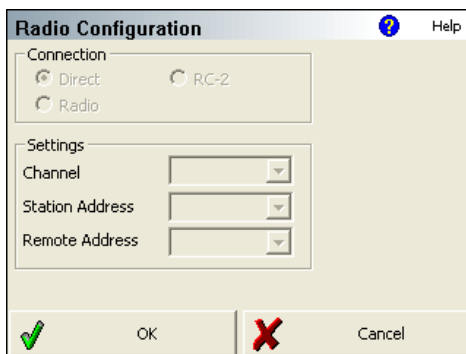
Make certain you set FieldGenius to equal the following. The com port setting will vary if you are using Bluetooth.



The screenshot shows the 'Model and Communication' dialog box. It has a title bar with a help icon and a '123' icon. The 'Make' dropdown is set to 'Geodimeter' and the 'Model' dropdown is set to 'Auto Trigger v2'. The status is 'Not Connected'. The 'Port' dropdown is set to 'COM1', 'Baud Rate' is '9600', 'Data Bits' is '8', 'Stop Bits' is '1', and 'Parity' is 'None'. At the bottom, there are three buttons: 'Connect' (with a blue pen icon), 'Radio Settings' (with a red 'X' icon), and 'Close' (with a red 'X' icon).

Radio Configuration

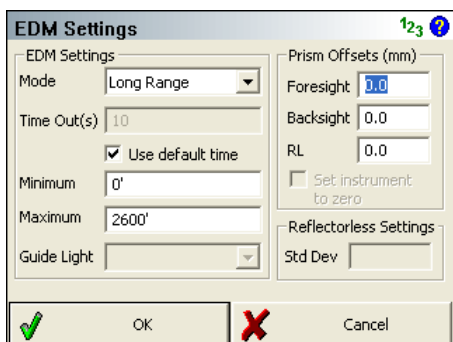
These will be grayed out because they don't apply when connected directly to the instrument.



The screenshot shows the 'Radio Configuration' dialog box. It has a title bar with a help icon and a 'Help' button. The 'Connection' section has two radio buttons: 'Direct' (selected) and 'RC-2'. The 'Radio' option is also present but is grayed out. The 'Settings' section has three dropdown menus: 'Channel', 'Station Address', and 'Remote Address', all of which are grayed out. At the bottom, there are two buttons: 'OK' (with a green checkmark icon) and 'Cancel' (with a red 'X' icon).

EDM Settings

Make certain you set FieldGenius to equal the following:



The screenshot shows the 'EDM Settings' dialog box. It has a title bar with a help icon and a '123' icon. The 'EDM Settings' section has a 'Mode' dropdown set to 'Long Range', a 'Time Out(s)' text box with '10', a checked 'Use default time' checkbox, 'Minimum' and 'Maximum' text boxes with '0'' and '2600'' respectively, and a 'Guide Light' dropdown. The 'Prism Offsets (mm)' section has 'Foresight', 'Backsight', and 'RL' text boxes with values '0.0', '0.0', and '0.0' respectively. There is a checkbox 'Set instrument to zero' which is unchecked. The 'Reflectorless Settings' section has a 'Std Dev' text box. At the bottom, there are two buttons: 'OK' (with a green checkmark icon) and 'Cancel' (with a red 'X' icon).

Tolerance Settings

These are tolerances used during multisetups, please confirm that the values meet your desired specifications.

Search Settings

These will be grayed out because they don't apply when connected directly to the instrument.

The screenshot shows the 'Search Settings' dialog box. It has a title bar with 'Search Settings' and a help icon. Below the title bar is a 'Search Mode' dropdown menu set to 'None'. There are two sections: 'Search Window Range' and 'Search Window Center'. Each section has 'Horizontal' and 'Vertical' input fields and a 'Measure' button. The 'Search Window Range' fields contain '30°00'00\"

Connecting FieldGenius to your Geodimeter

Once you've confirmed all your settings, and gone through the startup process on your instrument, you can do the following to begin surveying with FieldGenius.

1. Make sure you're at your measure screen on your instrument. The measure screen is where the HA and VA is displayed.
2. Make sure you have FieldGenius connected to your instrument.
3. From the Model and Communication screen, select the Connect to Instrument button.

The screenshot shows the 'Model and Communication' dialog box. It has a title bar with 'Model and Communication' and a help icon. Below the title bar is a 'Total Station' section with 'Make' (Geodimeter) and 'Model' (Auto Trigger v2) dropdowns. Below this is a 'Connect to Instrument' button with a red X icon and a 'Default Comm Settings' button. The 'Default Comm Settings' section has 'Port' (COM1), 'Data Bits' (7), 'Baud Rate' (19200), 'Stop Bits' (1), and 'Parity' (Even) dropdowns. At the bottom are 'OK' and 'Cancel' buttons.

After you press the continue button you will see some reminders of things to check before you move on, press Continue when ready.

You will now see a green check mark on the Connect to Instrument button.

Press Ok to continue. You are now connected and ready to start surveying.

Model and Communication 123 ?

Total Station

Make Model

Connect to Instrument Default Comm Settings

Port Data Bits

Baud Rate Stop Bits

Parity

OK Cancel