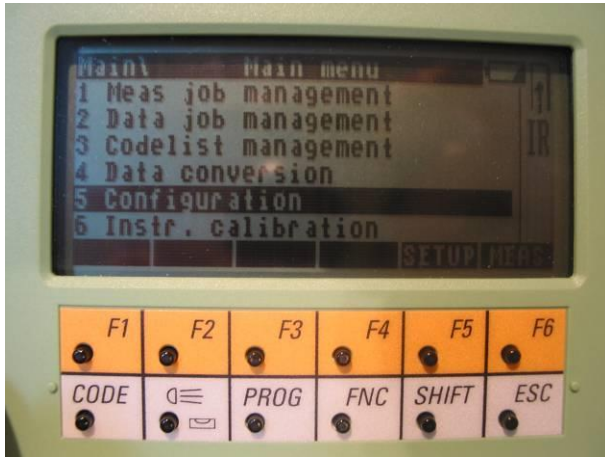


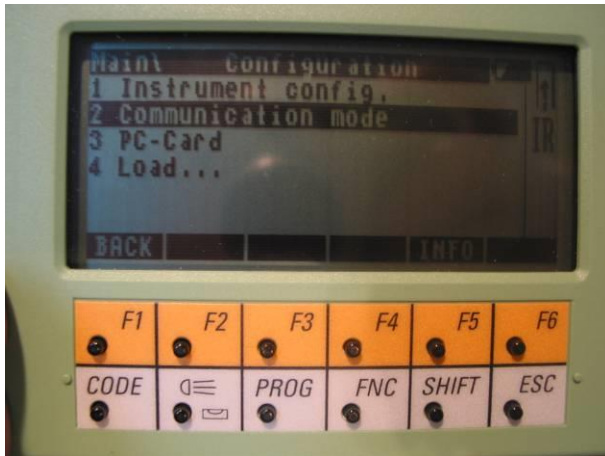
Leica TPS TCRA 1101, 1103, 1105

Procedure

1. Turn on the instrument
2. Level the instrument
3. On your instrument select menu item 5 (Configuration)



4. Select menu item 2 (Communication mode)

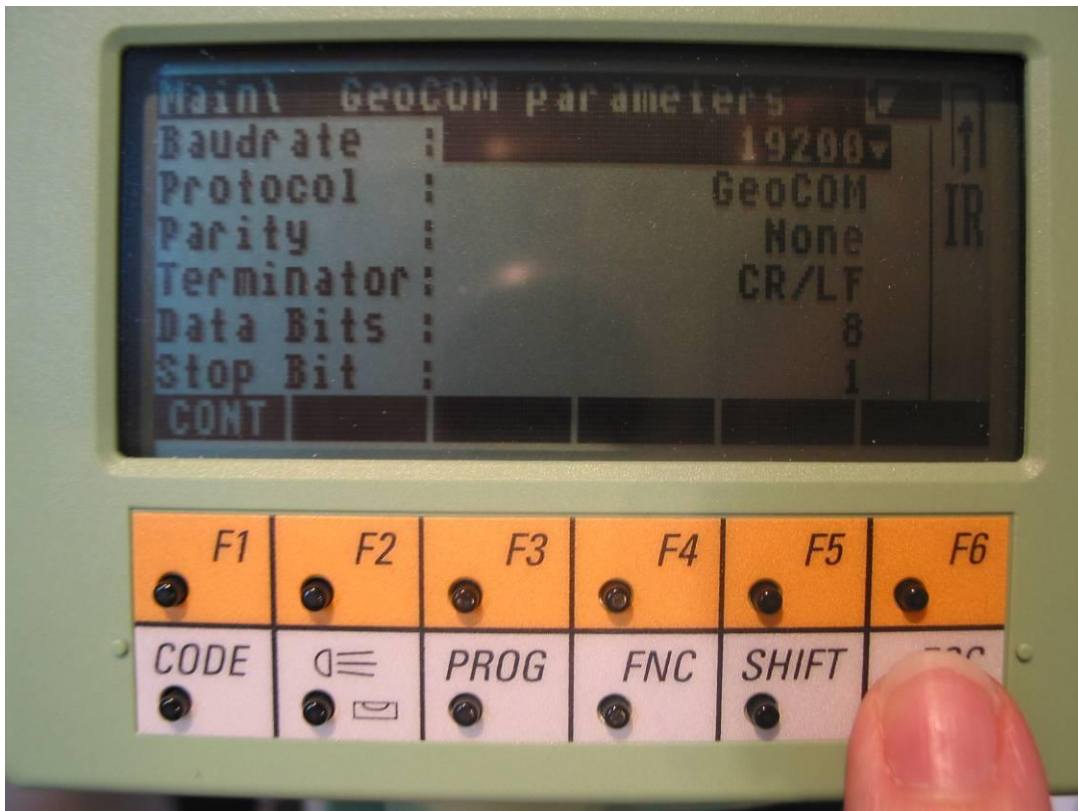


Quick Start Guide

5. Select menu item 2 (GeoCOM parameters)

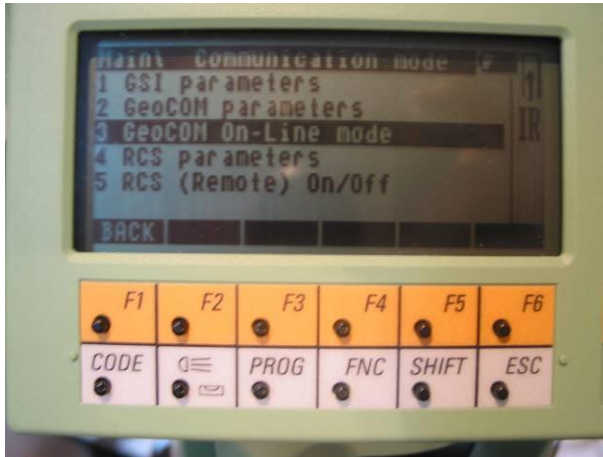


6. Verify that the communication parameters match the following:

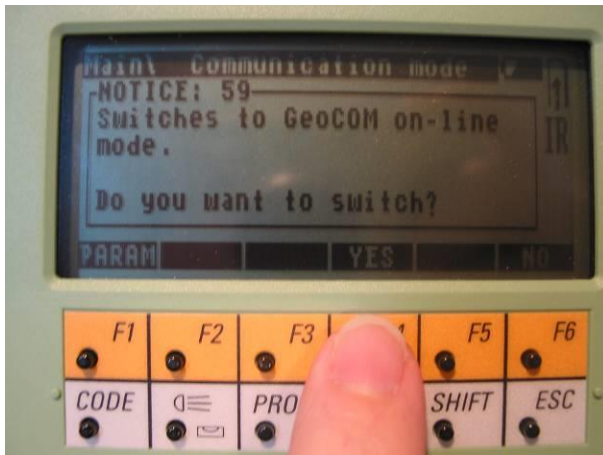


Press F1 to set the parameters.

7. On the Communication Mode page select **GeoCOM On-Line mode**.



8. At the prompt "Do you want to switch?", select F4 for **Yes**.



9. Your instrument will now be in GeoCOM mode. If you're surveying robotically, you have to keep your instrument in this mode for the entire duration of the survey. If you're connecting directly to the instrument, after you've connected FieldGenius and initialized it with the instrument, you can exit the GeoCOM mode.
10. In FieldGenius start or open an existing project. Press the Main Menu button → Settings → Instrument Settings. On the Instrument Settings screen, select **Total Station**.

Quick Start Guide

11. Match the following on the Model and Communication screen.

The screenshot shows the 'Model and Communication' dialog box. At the top, 'Make' is set to 'Leica' and 'Model' is set to 'Leica 1100 (GeoCOM)'. The status is 'Not Connected'. Below this, several communication parameters are listed in dropdown menus: 'Port' is 'COM1', 'Baud Rate' is '19200', 'Data Bits' is '8', 'Stop Bits' is '1', and 'Parity' is 'None'. At the bottom, there are three buttons: 'Connect' (with a green plug icon), 'Radio Settings' (with a red 'X' icon), and 'Close'.

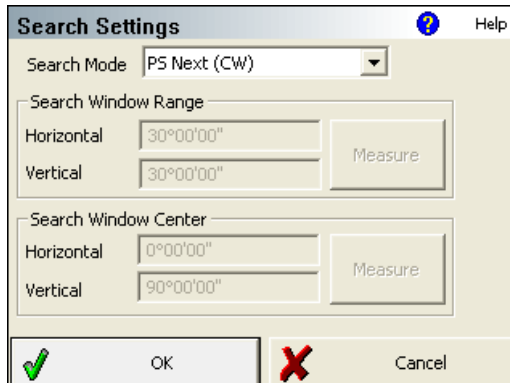
12. Match the following on the EDM Settings screen.

The screenshot shows the 'EDM Settings' dialog box. It is divided into two main sections. The left section, 'EDM Settings', includes a 'Mode' dropdown set to 'Standard', a 'Time Out(s)' field set to '0', a checked 'Use Default' checkbox, a 'Minimum' field set to '0'', and a 'Maximum' field set to '32808''. The right section, 'Prism Offsets (mm)', includes 'Foresight' and 'Backsight' fields both set to '0.0', and an unchecked 'Set Instrument' checkbox. Below these sections are 'Reflectorless Settings' with a 'Std Dev' field. At the bottom, there are 'OK' (with a green checkmark icon) and 'Cancel' (with a red 'X' icon) buttons.

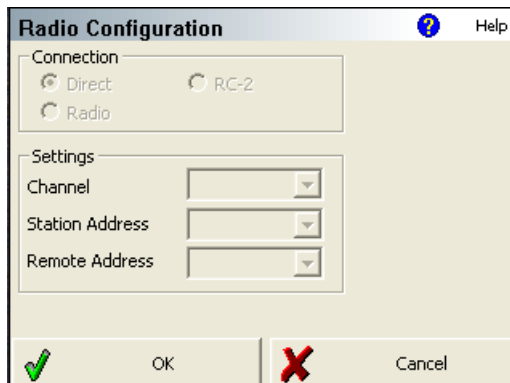
13. Specify the tolerances you want to use on the Tolerance Settings screen.

The screenshot shows the 'Measurement Tolerance' dialog box. It contains three input fields for tolerance values: 'Horizontal Angle Tolerance (sec)' is set to '30.0', 'Vertical Angle Tolerance (sec)' is set to '30.0', and 'Distance Tolerance' is set to '0.03''. At the bottom, there are 'OK' (with a green checkmark icon) and 'Cancel' (with a red 'X' icon) buttons.

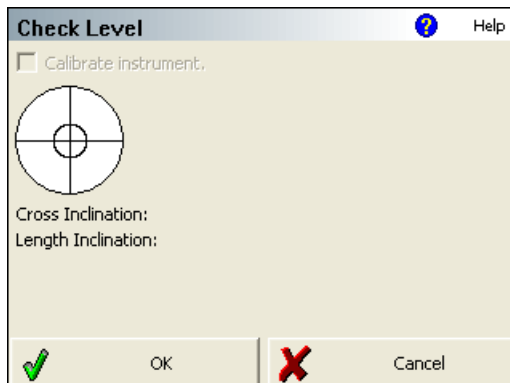
14. Match the following on the Search Settings screen. PS = Power Search.



15. There is nothing to set on the Radio Configuration screen.



16. There is nothing to set on the Check Level screen. You will see this screen when you try connecting to the instrument.



17. Switch back to the Model and Communication screen. Press the Connect to Instrument button and if you successfully connect you will see a green check mark, and the Check Level screen will appear. Have fun!