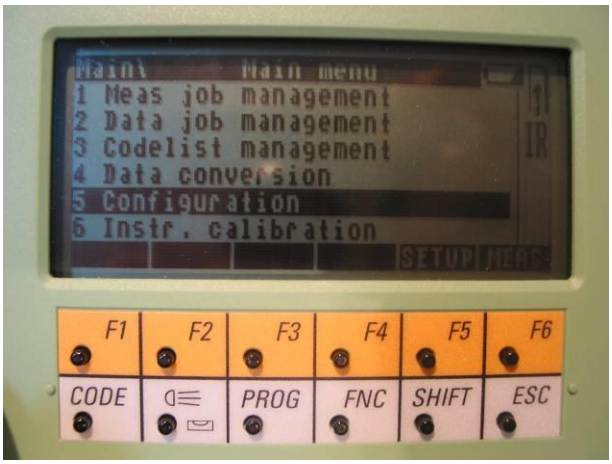
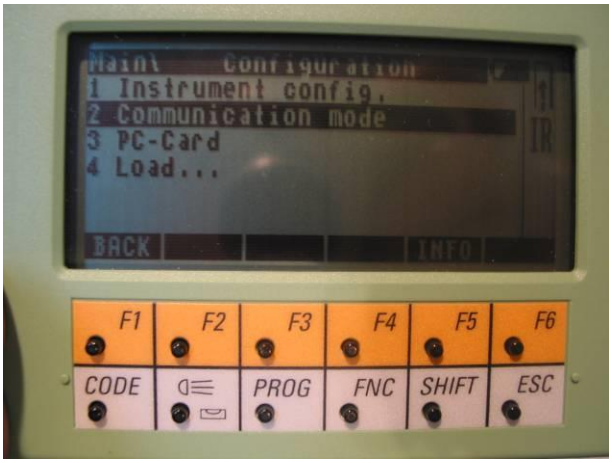
Leica TPS TCRA 1101, 1103, 1105

Procedure

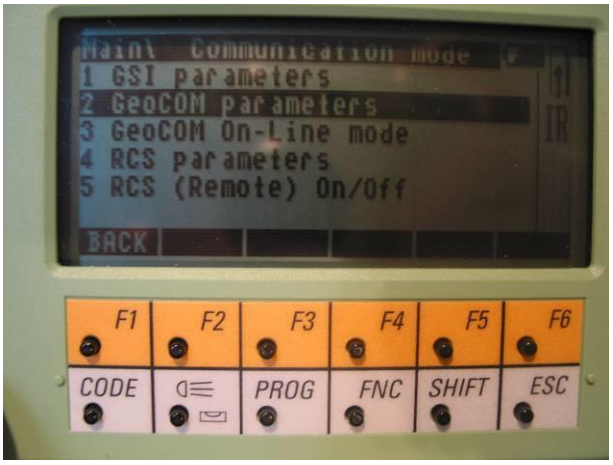
1. Turn on the instrument
2. Level the instrument
3. On your instrument select menu item 5 (Configuration)



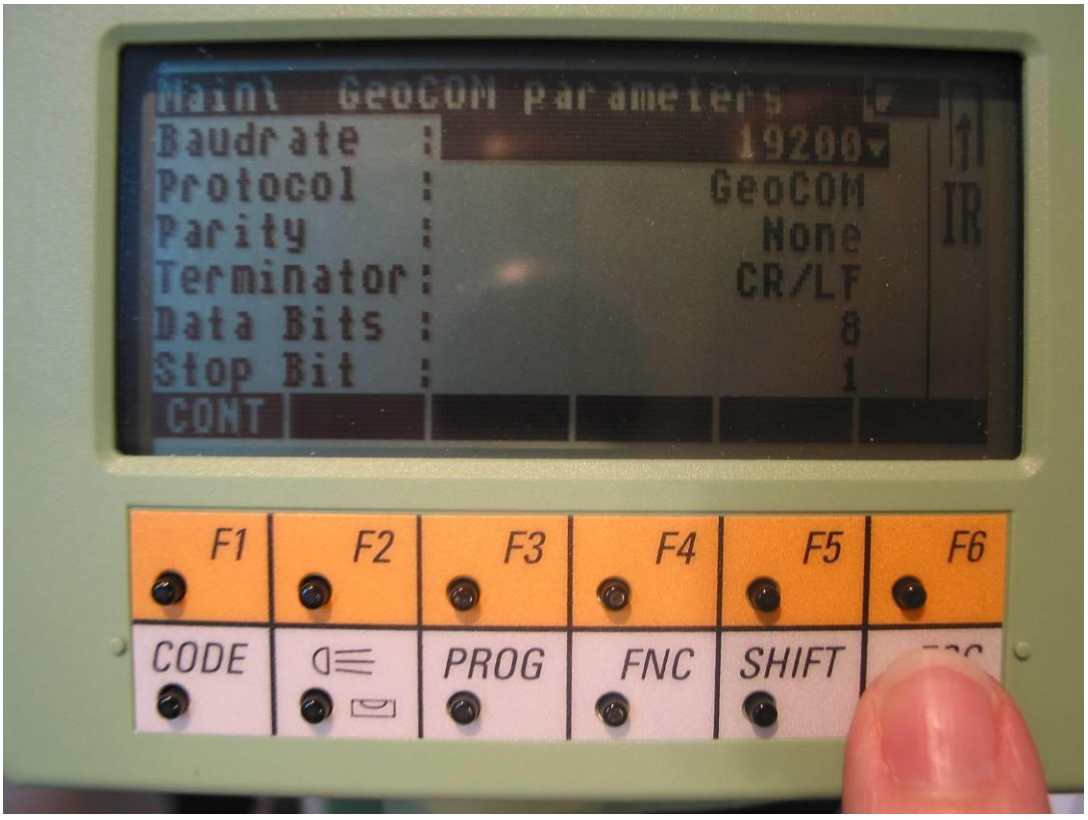
4. Select menu item 2 (Communication mode)



5. Select menu item 2 (GeoCOM parameters)

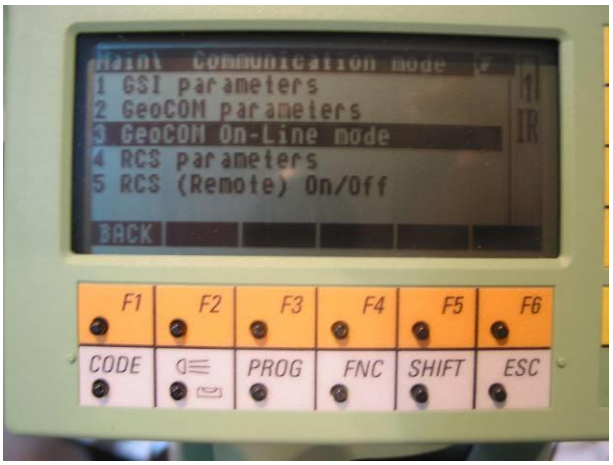


6. Verify that the communication parameters match the following:

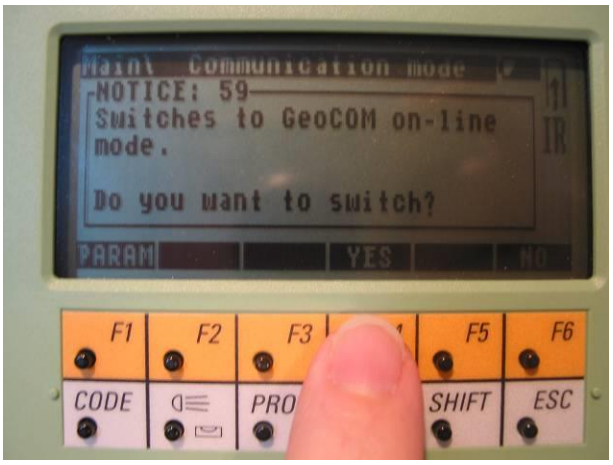


Press F1 to set the parameters.

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

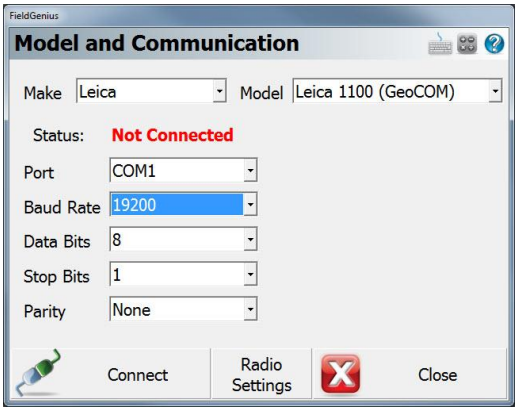


8. At the prompt “Do you want to switch?”, select F4 for **Yes**.

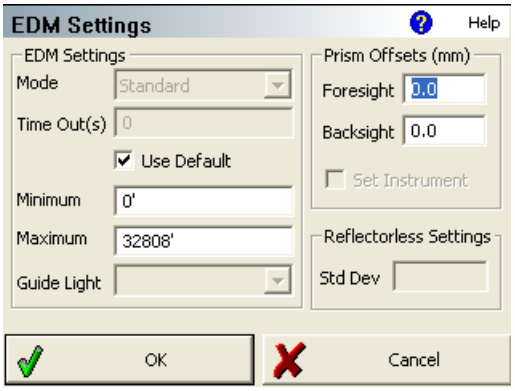


9. Your instrument will now be in GeoCOM mode. If you’re surveying robotically, you have to keep your instrument in this mode for the entire duration of the survey. If you’re connecting directly to the instrument, after you’ve connected FieldGenius and initialized it with the instrument, you can exit 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**.

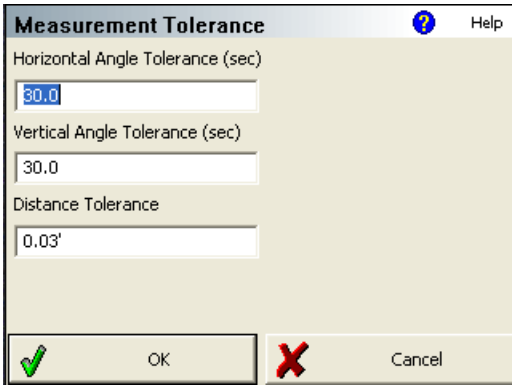
11. Match the following on the Model and Communication screen.



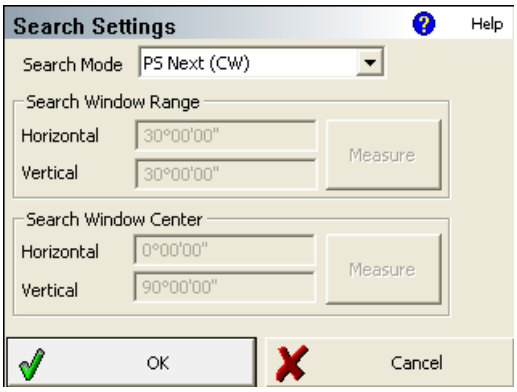
12. Match the following on the EDM Settings screen.



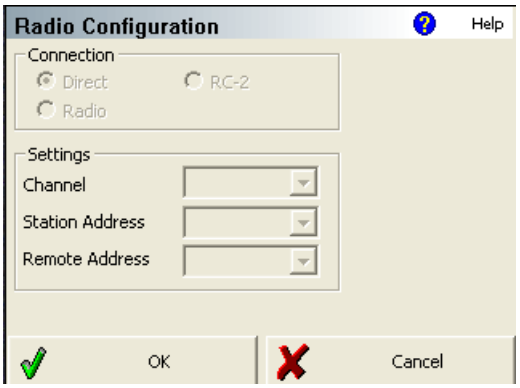
13. Specify the tolerances you want to use on the Tolerance Settings screen.



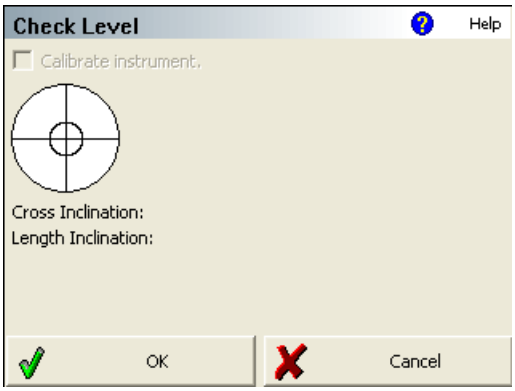
14. Match the following on the Search Settings screen. PS = Power Search.



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!