

Topcon 800 Direct mode cabled to the instrument standing behind it:

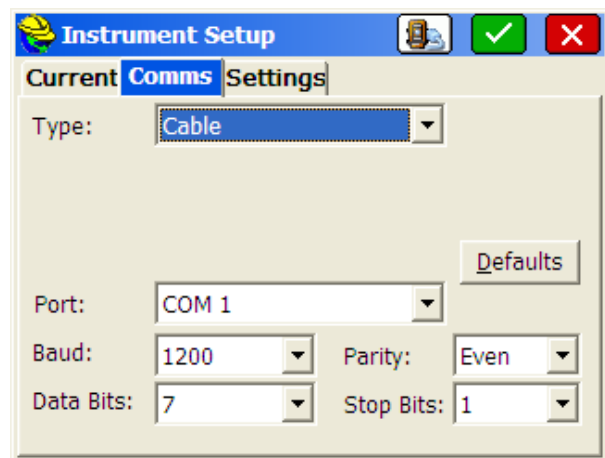
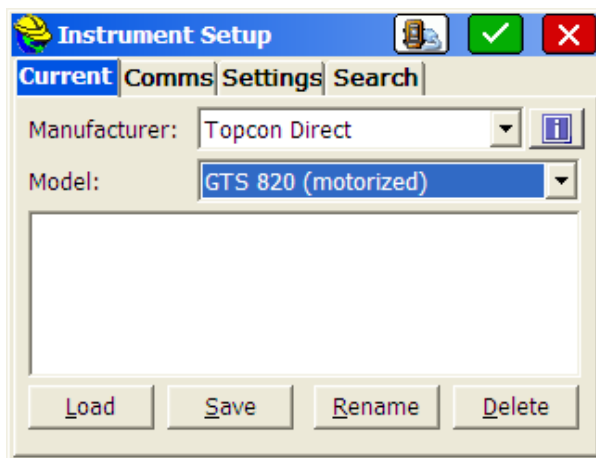
1. Turn on instrument
2. Level the instrument

If the communication parameters need to be set, proceed with step 3, if not, go to step 21.

3. From the main menu screen, select F6 - Soft Key "Para"
4. Select F2 - Soft Key "Communication"
5. Select 1 "Serial Port"
6. Select "RS232C"
7. Select F1 - Soft Key "Set"
8. At prompt "Parameters - Set OK?", select F5 - Soft Key "YES"
9. Select 2 "Set RS232C"
10. Set "B. Rate" to "1200" followed by the ENT button
11. Set "Data L." to "7" followed by the ENT button
12. Set "Parity" to "Even" followed by the ENT button
13. Set "Stop Bit" to "1" followed by the ENT button
14. Set "Delimiter" to "CRLF" followed by the ENT button
15. Set "REC-A/B" to "A" followed by the ENT button
16. Set "Protocol" to "On" followed by the ENT button
17. Set "NEZ-REC" to "Std" followed by the ENT button
18. Set "TrkState" to "Off" followed by the ENT button
19. At prompt "Parameters - Set OK?", select F5 - Soft Key "YES"
20. ESC to main menu



21. From the main menu, Select F2 - Soft Key "STD"

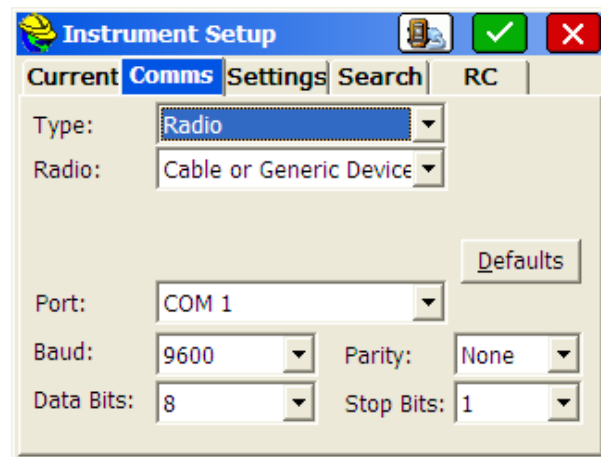
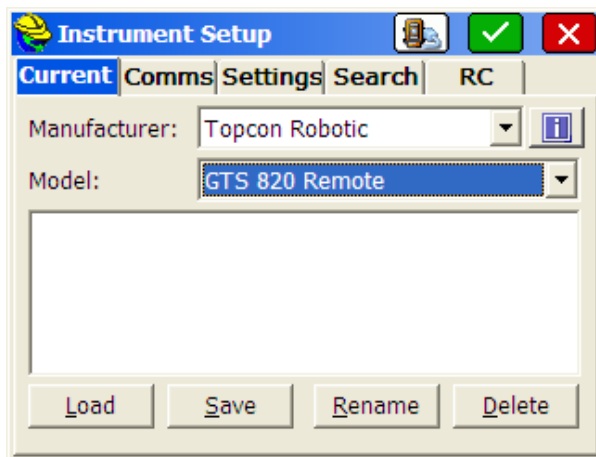


Topcon 800 Robotic mode at the Prism Pole with the data collector:

1. Turn on instrument
2. Level the instrument
3. Select PROG
4. Select Ext. Link

*If the communication parameters need to be set, proceed with step 5, if not, **go to step #8.***

5. Select Settings
6. Select the desired communication method: RS-232C, RC, Radio
 - a. Cable: Set com parameters (9600, 8, None, 1)
 - b. Terminate: ETX
 - c. RTS: High
 - d. Set the "Rec A/B" to "**Rec mode B**"
7. Select Exit and then ESC.
8. Select Execute.
9. The instrument will display "**Remote control is being done from the controller.**"



For either Direct mode or Robotic mode its **CRITICAL** that you fill out the **Settings tab** with the correct prism constants for "FS Target" foresight prism and "BS Target" backsight prism type

You will get Errors in your Distance readings if these values aren't filled out properly

