
TI#091108-1: Connecting to the TT-6/8-BT to the Trimble Recon with Centurion-Lite

This technical note details the steps necessary to connect with TT-6/8-BT to a Trimble Recon Pocket PC with Mobile OS 6.02. It can be used as a reference for setting up the software with other Pocket PC's which should have a similar (if not identical) procedure.

Please follow these steps:

- 1) Install Centurion-Lite V1.20 Build #0002 or later on the Pocket PC. Previous versions of the software will not support the BlueTooth (BT) functionality.
- 2) Bring a TT-6/8-BT unit close to the Trimble Recon and activate it's display.
- 3) On the Trimble Recon, perform the following steps (must be done while the TT-6/8-BT unit display is on and close to the Trimble Recon):
 - a. Tap the Bluetooth Wireless symbol on the main screen. This will bring up the wireless dialog.
 - b. If the Bluetooth status is "Off", tap the Bluetooth button bar to change it to "Visible" or "On".
 - c. Tap "Menu" then "Bluetooth Settings".
 - d. Activate TT-6/8 Bluetooth reed switch.
 - e. Tap "Add new device ..."
 - f. After a short pause it should find the "Diamond Traffic Counter". If it doesn't, make sure the display hasn't gone off on the TT-6/8 (activate a reed switch if it has and you may have to tap Refresh).
 - g. Tap the "Diamond Traffic Counter" when it appears then tap "Next" at the bottom.
 - h. Tap "Next" again when **Passcode** is asked to leave it blank this first time.
 - i. Tap "Yes" when asked to connect to Diamond Traffic Counter.
 - j. When the **Passcode** screen reappears, enter "0000" this time and tap "Next". You MUST do this quickly before the counter disconnects (within about 15 seconds).
 - k. The services dialog should appear (even though counter turns off shortly after the previous step). Check the "Serial Port" box and then tap "Finish". *You may have to do this step twice.*
 - l. "Diamond Traffic Counter" should now appear on your Bluetooth devices page.
 - m. Tap the "COM Ports" tab then tap "New Outgoing Port"
 - n. Tap "Diamond Traffic Counter" then tap "Next".
 - o. Note the "COM Port". This will be used later in setting up Centurion-Lite.
 - p. Uncheck the box "Secure Connection"
 - q. Tap "Finish".
 - r. You should now see "Diamond Traffic Counter" on the COM Ports page.
 - s. Tap "Ok" then tap "X" to return to the main screen.
- 4) Run Centurion-Lite V1.20.
- 5) At the bottom left you will see "COM1". This is the COM port Centurion-Lite will use for direct connection to a traffic counter (not via BlueTooth).
- 6) Tap "COM1" and then select "BT Port ...". In the dialog that appears change it to COM8 (or which ever COM port you noted above in step 'o').
- 7) Once the BT Port is selected, once again activate the display on the counter and then tap "COM1" and select "BT Link ...".
- 8) Centurion-Lite will open the BT Port, link to the counter, and download data.
- 9) When downloading is complete, Centurion-Lite closes the port (which disconnects the device) and returns to the original direct port (normally COM1).
- 10) Repeat steps 7-9 for each TT-6/8-BT you wish to download.