
TI#072408-1: Connecting to the TT-6/8-BT to the HP iPAQ via BlueTooth & Centurion-Lite

This technical note details the steps necessary to connect with TT-6/8-BT to an HP iPAQ Pocket PC. 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 iPAQ and activate it's display.
- 3) On the HP iPAQ, perform the following steps (must be done while the TT-6/8-BT unit display is on and close to the iPAQ):
 - a. Tap the iPAQ Wireless symbol. This will bring up the wireless dialog.
 - b. Tap the Bluetooth tab.
 - c. If it says "Status: Off", tap it to change it to "Status: On" (it will briefly say "Busy").
 - d. Tap "Bluetooth Connections"
 - e. Tap "New"
 - f. Tap "Explore a Bluetooth Device"
 - g. After a short pause it should find the "Diamond Traffic Counter". Tap it when it does.
 - h. The Service Selection should now appear with "COM1" listed.
 - i. First uncheck the "Use a secure, encrypted connection" (not necessary).
 - j. Then tap "COM1" and then tap Next.
 - k. Screen will say "Shortcuts created". Tap Finish.
 - l. You should now see a "Diamond Traffic" COM Port Icon appear.
 - m. Test out the link by tapping it. The counter display should say "BT Link Active". Note that if the counter screen has gone blank, wake the counter up again before testing.
 - n. Once the connection is working, Tap and hold down on the "Diamond Traffic" COM Port icon again and then select disconnect when the menu appears.
- 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 COM6. This is the port the counter will most likely be at.
- 7) Note that if you have multiple other Bluetooth devices COM6 may already be assigned. In this case you may need to choose a higher COM port number.
- 8) Once the BT Port is selected, once again activate the display on the counter and then tap "COM1" and select "BT Link ...".
- 9) The iPAQ may ask you what device do you want to connect to on COM6. Select the Diamond Traffic COM Port. You can also set this to be the default device for this COM port (which is handy time saving).
- 10) Centurion-Lite will open the BT Port, link to the counter, and download data.
- 11) When downloading is complete, Centurion-Lite closes the port (which disconnects the device) and returns to the original direct port (normally COM1).
- 12) Repeat steps 8-11 for each TT-6/8-BT you wish to download.