

These is in regards to using a Carlson Surveyor2 or Mini2 data collector with a Carlson CR2/CR5 Robot and a ZRT81 or ZRT82 Long-Range Bluetooth Handle (*the TYPE is printed on the bottom of the handle*)

Configuring the Carlson CR2/CR5 to use Long-Range Bluetooth Handle


1. On the total station, go to the main menu. This is the screen with six large icons. You may need to press “Esc” a few times to get to it.
2. Choose 5-Configure, and then 4-Interfaces.
3. Press the down arrow to highlight “GeoCOM Mode”, and then press F3-Edit.
4. Press the down arrow to highlight the port. Use the Left/Right arrows to select Port 2 (Handle).
5. Press F5-Device then tap F6-Page to get to the Radios tab.
6. Press the down arrow to highlight **ZRT81** or **ZRT82** to match the TYPE printed on the bottom of your Bluetooth Handle
7. Press F3 for Edit. Tap the left arrow to set the **Baud Rate to 115200** as shown in the screenshot to the right.
8. Press F1 for store, and then F1 for continue, then F1 for continue again. Wait for the hourglass to go away and wait for the red light on the radio handle to go off.
9. You should see a Green power indication light on the radio handle. Tap F1 for continue one final time to return to the Main Menu.

Devices		
Radios		Others
Name		Type
ZRT80		RS232 GeoCOM
ZRT81		RS232 GeoCOM
ZRT82		RS232 GeoCOM

Edit Device: ZRT82	
Name :	ZRT82
Type :	RS232 GeoCOM
Baud Rate :	115200
Parity :	None
Data Bits :	8
Stop Bit :	1

GeoCOM Mode	
Use Interface :	Yes
Port :	Port 2 (Handle)
Device :	ZRT82
Protocol :	RS232 GeoCOM

Configuring SurvCE

1. Run SurvCE 4.03 or higher on your data collector
 2. From the Main menu, tap the Equip tab then tap “Total Station”.
 3. On the Current tab, choose Carlson Robotic from the Manufacturer list.
 4. Then tap the Comms tab set it to Type: **Bluetooth** and it should default to BT Type: **Windows Mobile**
 5. Tap the “wrenches” icon to the right of Windows Mobile then tap “Find Device”
 6. Tap on **RH_XXXX** in the list then tap Select (where XXXXX is the serial number)
***Please Note: *the Device Name is sometimes displayed as “TPS radio LR BT”*
 7. Tap the Bluetooth plug icon in the top middle and it should show Bonding with Bluetooth
 8. You can tap the “Instrument Plug” icon in the top right and it should show “Successful Connection”
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9. Upon a successful instrument connection tap the Settings tab to fill out your FS Target and BS Target then tap the Search tab to fill out the rest of the settings.
 10. Tap Green Check to complete the configuration and save your settings.