

Carlson CR2/CR5

This section describes how to setup the Carlson CR2/CR5 to communicate with the AllegroMX radio pod using the ZRT80 radio handle.

On the Total Station

- 1) Start at the main menu of the total station, with the six large icons. If you are not there, try pressing escape until you find it.
- 2) Choose 5->Configure
- 3) Choose 4->Interfaces
- 4) Press the down arrow to highlight GeoCOM Mode. This is the command protocol that SurvCE requires to communicate. Once it is highlighted, press F3->Edit.
- 5) Make sure "Use Interface" is set to YES, and press the down arrow to highlight Port. Toggle the port (using the right arrow), until it says "Port2 (Handle)"
- 6) Under the port is the device that is assigned to that port. To use the radio, it should say ZRT80. If it does not, press F5->Device. Look for the radios tab at the top, and press it to bring it to the front. Highlight the ZRT80.
- 7) Press F3->Edit to note the communication settings for the radio, then F1->Store to make any changes. Press F1->Cont to assign the ZRT80 to your Port 2. Press F1->Cont again get back to the interfaces screen.
- 8) Once the ZRT80 radio is selected and highlighted, the F4->Ctrl button becomes available. Press it to change the radio channel.
- 9) Set the Link number to match what you have set on the data collector, and set as Base. Press F1->Cont.
- 10) Escape back out to the main menu. Total station setup is complete.

On the Allegro MX

- 1) Launch SurvCE version 2.59 or higher.
- 2) Tap Equip->Total Station
- 3) For the current tab, select Carlson, CR2/CR5
- 4) On the Comms tab, choose Type: Radio. For the Radio type, choose the first one, Leica 1200 Remote.
- 5) Set the Port to COM3, and the baud rate and other port settings to match what you saw in Step 7 above (default is 115200, 8, None, 1).
- 6) Press the "connect" icon to the left of the green check to test your connection.