

Quick Start: Carlson SurvPC with the CRT Robotic Total Station

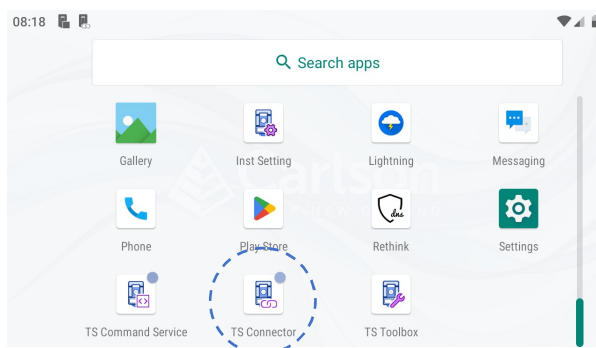
This document is a quick start to configuring the Carlson CRT Robotic Total Station for use with Carlson SurvPC.

Setting Up the CRT

Turn on the CRT using the power button on the right side panel.

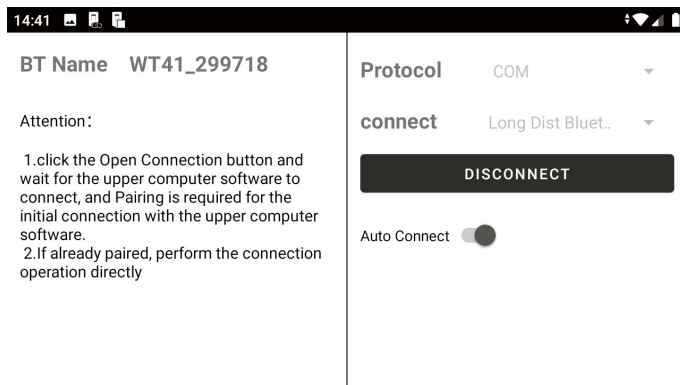


After the CRT is fully booted, access the app draw in Android by pressing the white icon with six dots on the left side of the screen. Launch the TS Connector App.



This document contains confidential and proprietary information that remains the property of Carlson Software Inc.

If the TS Connector App says it is connected, press DISCONNECT. Configure the TS Connector app as shown in the screenshot below. Protocol should be COM, Connect should be Long Distance Bluetooth, and auto-connect should be enabled. When the settings are correct, push the “Open Connection” button.

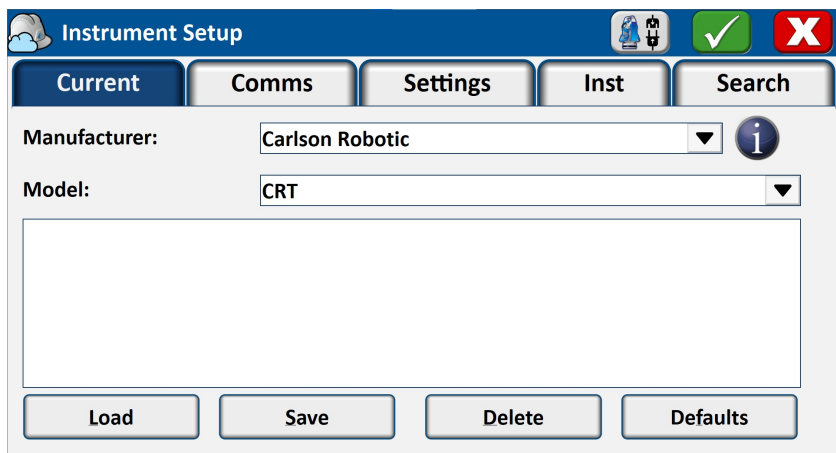


The screenshot shows the TS Connector App interface. At the top, the status bar displays the time 14:41 and various icons. The app has a dark header with the title "14:41" and icons. Below the header, the "BT Name" is "WT41_299718". Under "Attention:", there are two instructions: "1.click the Open Connection button and wait for the upper computer software to connect, and Pairing is required for the initial connection with the upper computer software." and "2.If already paired, perform the connection operation directly". On the right, the "Protocol" is set to "COM" and "connect" is set to "Long Dist Bluet.". There is a "DISCONNECT" button and an "Auto Connect" toggle switch which is currently turned off.

Press the android HOME icon on the right to return to the home screen.

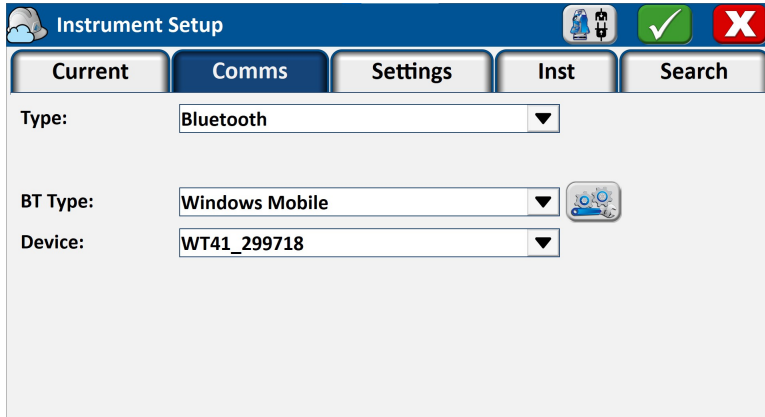
Setting up Carlson SurvPC

Launch Carlson SurvPC from the desktop. Press Equip->Total Station to configure a total station. Select Manufacturer Carlson, Model CRT from the instrument selection drop downs.



The screenshot shows the "Instrument Setup" screen in Carlson SurvPC. The screen has a blue header with the title "Instrument Setup" and icons for a cloud, a person, a checkmark, and a red X. Below the header, there are five tabs: "Current", "Comms", "Settings", "Inst", and "Search". The "Current" tab is selected. Under "Manufacturer:", the dropdown menu is set to "Carlson Robotic". Under "Model:", the dropdown menu is set to "CRT". There is a large empty text area below the dropdowns. At the bottom, there are four buttons: "Load", "Save", "Delete", and "Defaults".

On the Comms tab, choose Bluetooth, Windows Mobile. Then press the gear icon to the right of Windows Mobile to search for and add your total station. The Bluetooth device name will begin with WT41 and will match the name previously displayed on the total station in the TS Connector app.



The screenshot shows the 'Instrument Setup' dialog box with the 'Comms' tab selected. The 'Type' dropdown is set to 'Bluetooth'. The 'BT Type' dropdown is set to 'Windows Mobile', with a gear icon to its right. The 'Device' dropdown is set to 'WT41_299718'. The top bar contains a cloud icon, the title 'Instrument Setup', and three buttons: a gear icon, a green checkmark, and a red 'X'.

Current	Comms	Settings	Inst	Search
Type:	Bluetooth			
BT Type:	Windows Mobile			
Device:	WT41_299718			

Press the connect icon in the top bar (to the left of the green check) to establish Bluetooth connection. Review the settings on the Settings, Inst, and Search tabs. When you are satisfied with your settings, press the green check. A "Successful Connection" popup means you are properly configured and can begin your survey.