
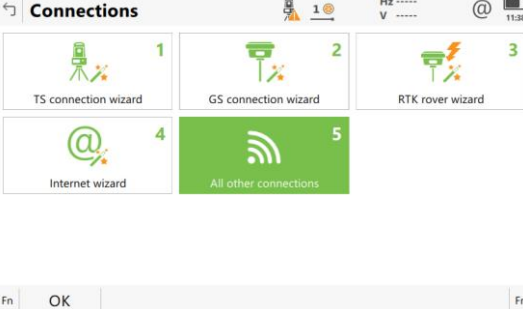
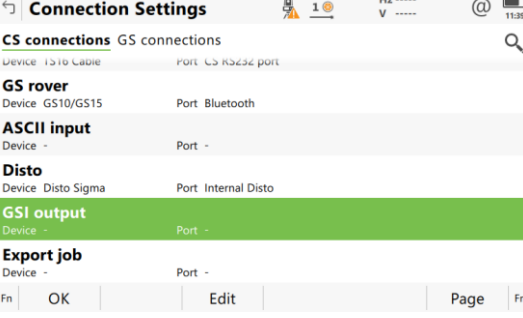



Leica Captivate: TS16 Positioning Data to Stream C

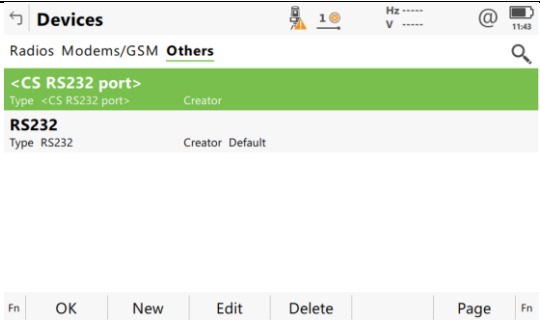
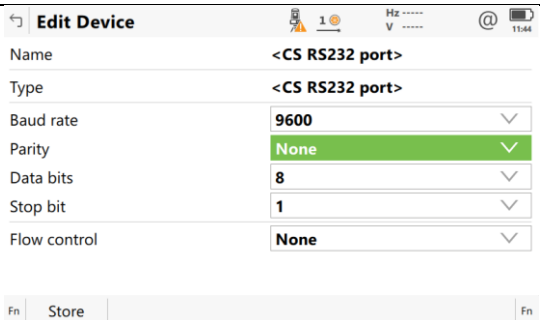
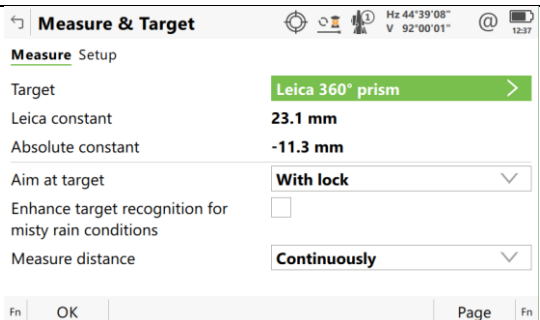
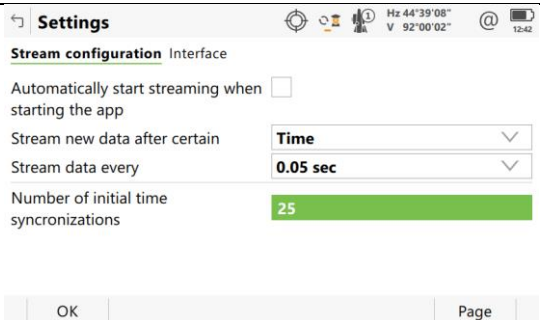
1	 <p>Meas & Stream</p>	<p>This guide will go through streaming data via cable from a TS16/CS20 to the Stream C with One Vision software.</p> <p>Firstly, you require a GEV269 cable to go from the CS20 to the Stream C controller USB port</p> <p>Second you need the Measure & Stream application on the CS20</p> <p>N.B. this is a purchasable license and does not come as standard with Captivate</p>
2	 <p>Connections</p> <p>1 TS connection wizard</p> <p>2 GS connection wizard</p> <p>3 RTK rover wizard</p> <p>4 Internet wizard</p> <p>5 All other connections</p> <p>Fn OK Fn</p>	<p>Now we need to create the cable connection from the CS to the Stream</p> <p>On the bottom row of the carousel select Settings\Connections\All Other Connections</p>
3	 <p>Connection Settings</p> <p>CS connections GS connections</p> <p>Device 1310 Cable Port CS RS232 port</p> <p>GS rover</p> <p>Device GS10/GS15 Port Bluetooth</p> <p>ASCII input</p> <p>Device - Port -</p> <p>Disto</p> <p>Device Disto Sigma Port Internal Disto</p> <p>GSI output</p> <p>Device - Port -</p> <p>Export job</p> <p>Device - Port -</p> <p>Fn OK Edit Page Fn</p>	<p>In the CS Connections tab, select GSI Output and press F3(Edit)</p>
4	 <p>GSI Output Connection</p> <p>Output GSI data to device <input checked="" type="checkbox"/></p> <p>Connect using CS RS232 port</p> <p>Device <CS RS232 port></p> <p>GSI Format Pseudo NMEA GGA</p> <p>OK Device</p>	<p>Tick Output GSI data to device and make sure settings are set as shown</p> <p>When done press F5(Device)</p>

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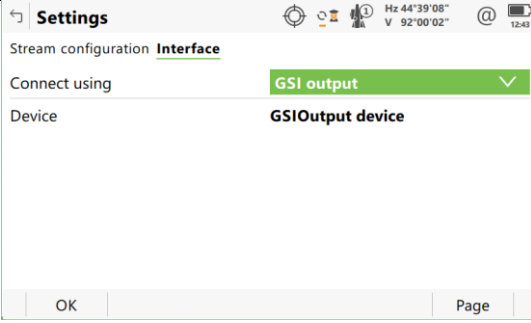
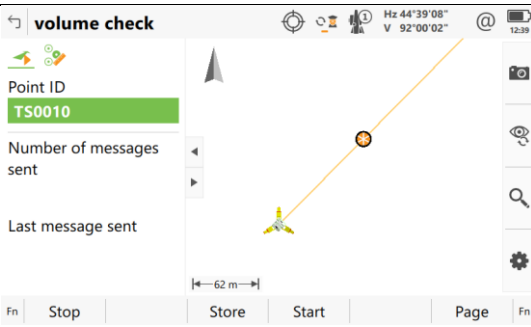
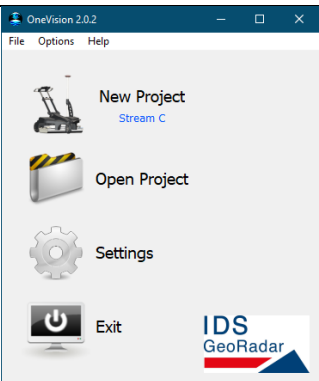
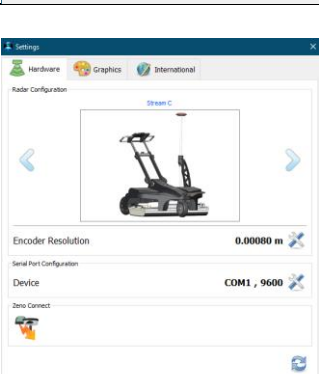

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5		Highlight CS RS232 Port and press F3(Edit)
6		Make sure settings match those shown here and press F1(Store) Press F1 on each screen until you are back to the carousel menu
7		Do your site setup with the TS as normal and navigate to the Measure & Target settings page Ensure settings are as shown (if you normally use as a one-man kit this should already be set)
8		N.B. It is best to turn off the TS before this step as the stream may automatically start which can take some time Open the Measure & Stream application and press F1(Settings) Make sure settings are as shown Press F6(Page) or tap Interface

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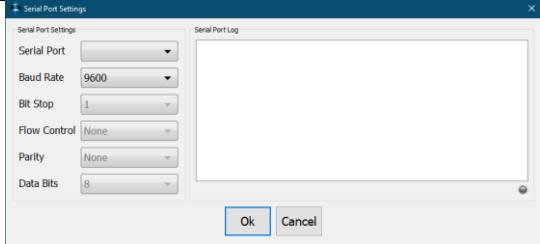
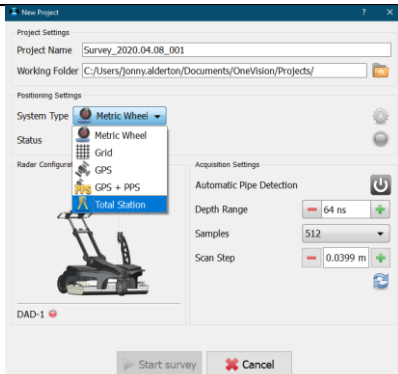
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9		<p>Make sure this option is set to GSI Output Press F1(OK) to return to the application</p>
10		<p>Lock the TS to the prism then press F2(Distance) to start measuring and then F4(Start) The application will then do a time sync for the streamed measurements which can take some time Data should now be streaming and you now need to configure the Stream C to receive the data</p>
11		<p>On the table, open One Vision and click Settings</p>
12		<p>Click the  in the Serial Port Configuration section</p>

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13	 <p>The Baud Rate should be set to 9600 (which is also how we configured the stream from the CS20)</p> <p>Click the Serial Port dropdown and try each one until you get data coming through to the log</p> <p>The data should start with \$GNGGA and be followed by coordinates</p> <p>When you have this click Ok</p>	<p>The Baud Rate should be set to 9600 (which is also how we configured the stream from the CS20)</p> <p>Click the Serial Port dropdown and try each one until you get data coming through to the log</p> <p>The data should start with \$GNGGA and be followed by coordinates</p> <p>When you have this click Ok</p>
14	 <p>Back on the main menu, click New Project</p> <p>Under System Type select Total Station then Start Survey</p> <p>You should now be ready to carry out your survey with TPS data streaming</p>	<p>Back on the main menu, click New Project</p> <p>Under System Type select Total Station then Start Survey</p> <p>You should now be ready to carry out your survey with TPS data streaming</p>

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