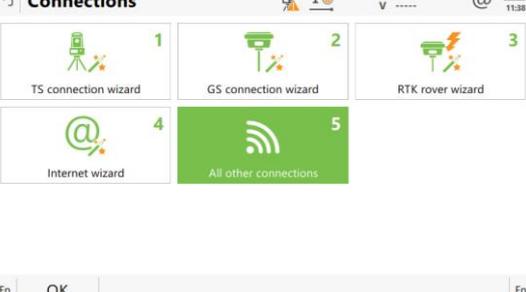
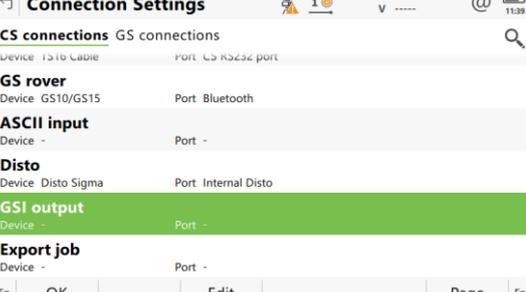


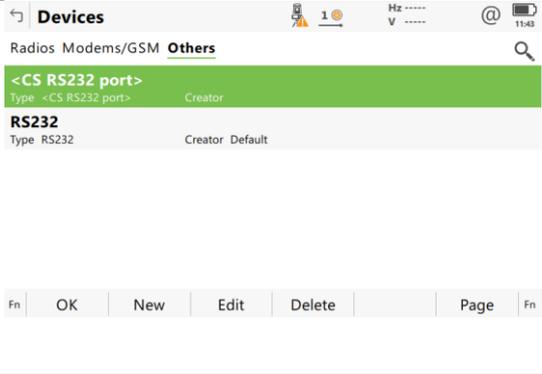
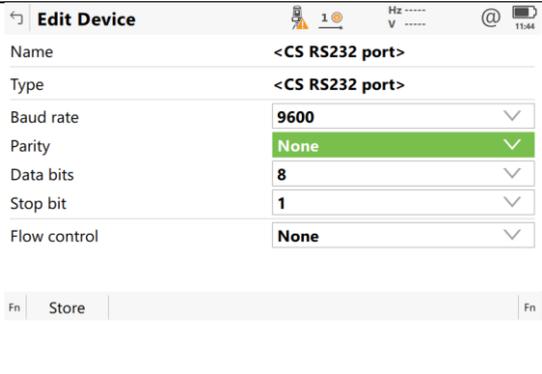
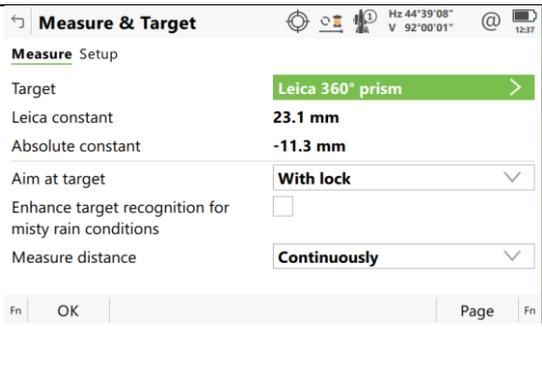
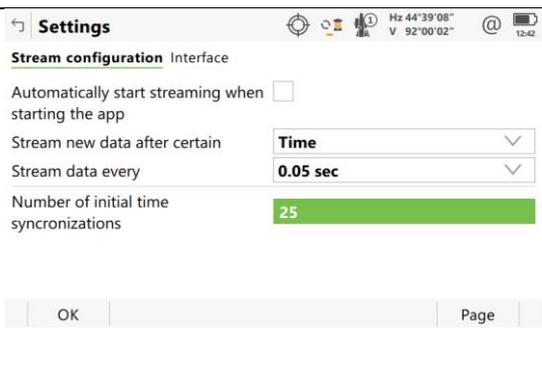
Leica Captivate: TS16 Positioning Data to Stream C

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

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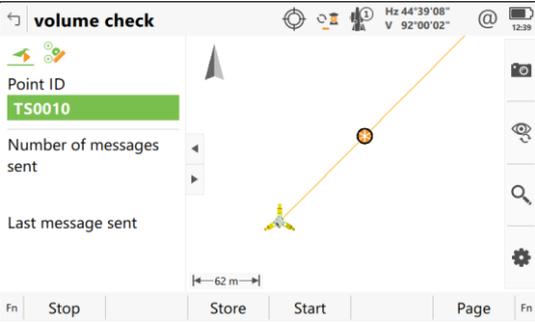
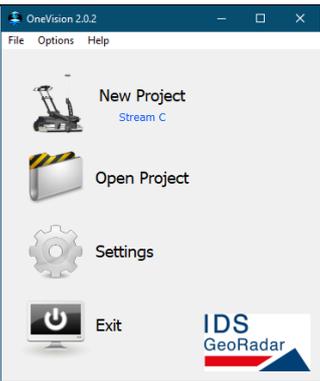
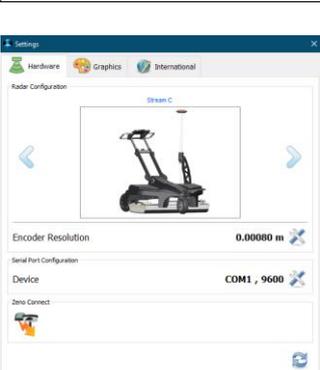
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<p>5</p>		<p>Highlight CS RS232 Port and press F3(Edit)</p>
<p>6</p>		<p>Make sure settings match those shown here and press F1(Store) Press F1 on each screen until you are back to the carousel menu</p>
<p>7</p>		<p>Do your site setup with the TS as 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)</p>
<p>8</p>		<p>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</p>

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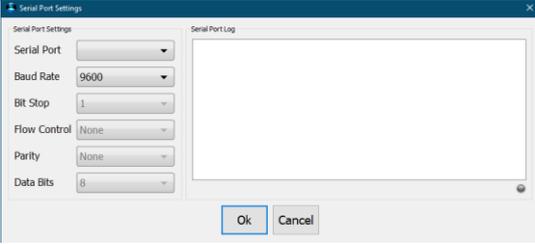
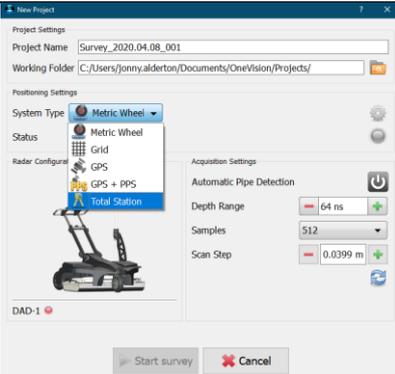
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<p>9</p>		<p>Make sure this option is set to GSI Output Press F1(OK) to return to the application</p>
<p>10</p>		<p>Lock the TS to the prism then press F2(Distance) to start measuring and then F4(Start) The application will then do a time sync for 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>
<p>11</p>		<p>On the table, open One Vision and click Settings</p>
<p>12</p>		<p>Click the  in the Serial Port Configuration section</p>

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<p>13</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>
<p>14</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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