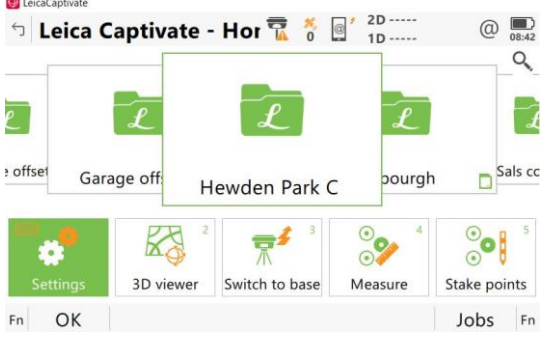
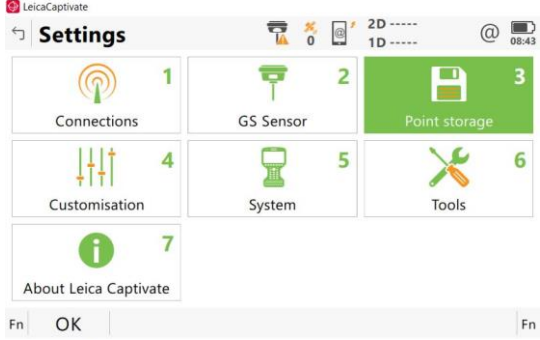
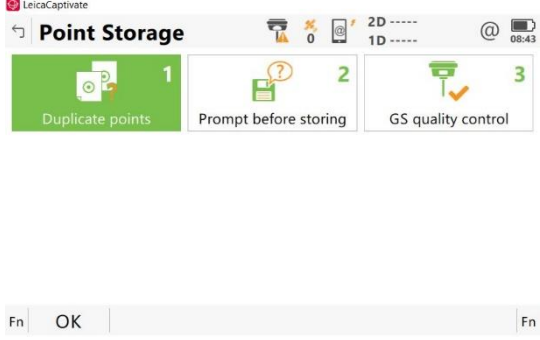
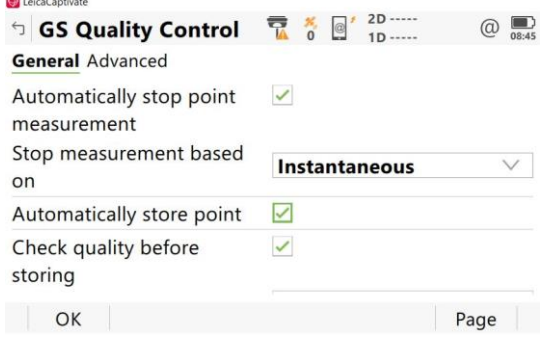


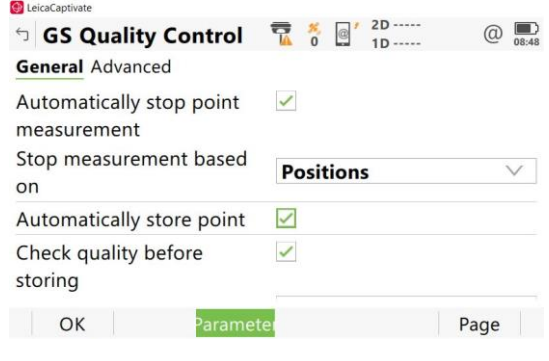
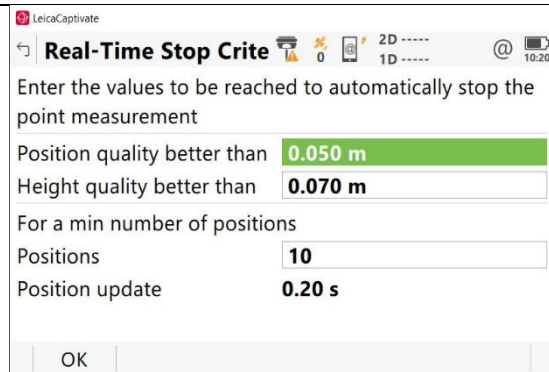
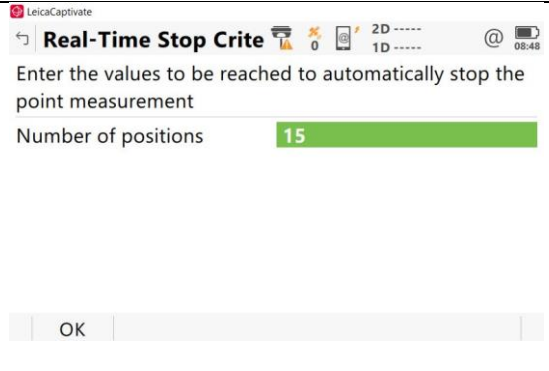
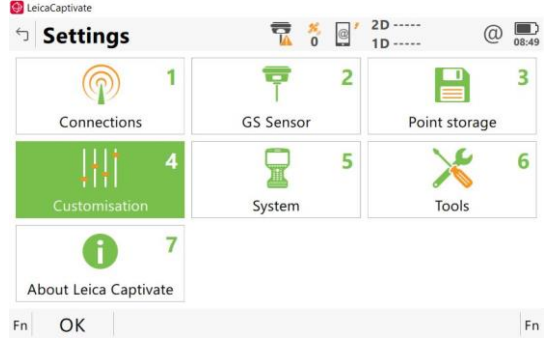
Leica Captivate: GS Quality Control

1		<p>There are a few different ways to take measurements within Captivate. This guide will take you through where to find the settings to change and select the way that best suits your job.</p> <p>Click Settings.</p>
2		<p>Click Point Storage.</p>
3		<p>The first thing to look at is what happens if you take a duplicate point. Click on this and select Check average. The tolerances that you see should remain.</p> <p>Press OK then go into number 3 GS quality control.</p> <p>In the Quality control screen, you have these options to choose from:</p>
4		<p>Instantaneous</p> <p>The controller should have these default settings. This setup is the quickest way to survey. When you press measure, it stores the current position instantaneously. This is the fastest and least accurate way of measuring points.</p> <p>If you want to measure lots of data quickly and are not so worried about accuracy, then use Instantaneous.</p>

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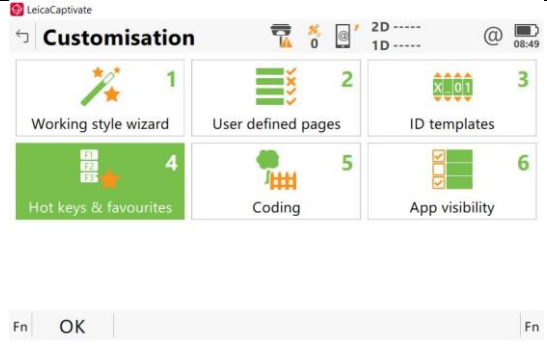

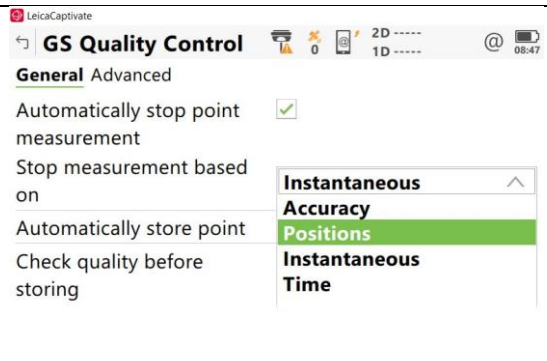
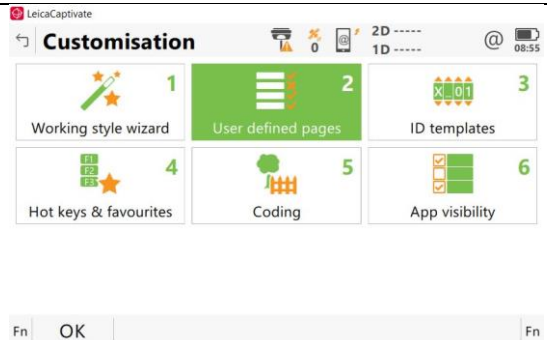
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5	 <p>GS Quality Control General Advanced Automatically stop point measurement <input checked="" type="checkbox"/> Stop measurement based on Positions Automatically store point <input checked="" type="checkbox"/> Check quality before storing <input checked="" type="checkbox"/> OK Parameter Page</p>	<p>Positions If you choose positions, then press F3 Parameters to set the number of measurements to be taken and combined into the resultant coordinate.</p> <p>If you choose Accuracy or Time you will be able to change the parameters, the same way I do for Positions.</p>
	 <p>Real-Time Stop Criteria Enter the values to be reached to automatically stop the point measurement Position quality better than 0.050 m Height quality better than 0.070 m For a min number of positions Positions 10 Position update 0.20 s OK</p>	<p>Accuracy This is the most accurate method and can be configured in multiple ways by pressing F3-Parameters. You can set the minimum number of observations and a maximum accuracy to achieve after those measurements. If the Accuracy has not been achieved, then the system will keep measuring until it does, or you stop it. This is quite often used when measuring control.</p>
6	 <p>Real-Time Stop Criteria Enter the values to be reached to automatically stop the point measurement Number of positions 15 OK</p>	<p>Select your desired positions and press OK.</p> <p>When it takes you back be sure to press OK again to save your settings.</p> <p>If you choose Accuracy or Time you will be able to change the parameters, the same way I do for Positions.</p>
7	 <p>Settings 1 Connections 2 GS Sensor 3 Point storage 4 Customisation 5 System 6 Tools 7 About Leica Captivate Fn OK Fn</p>	<p>Go back into settings. Select Customisation.</p>

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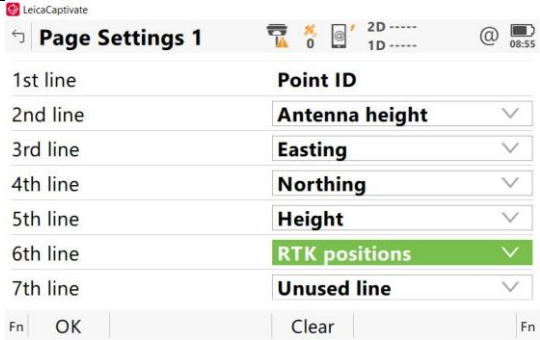

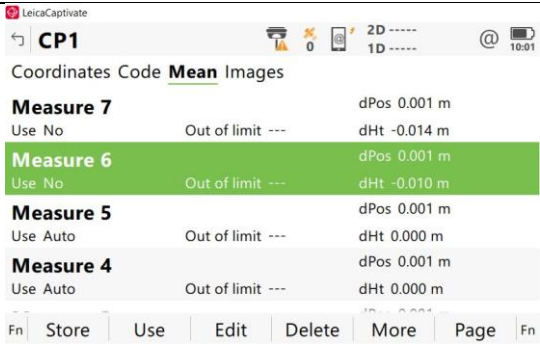
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8	 <p>The screenshot shows the 'Customisation' screen in LeicaCaptivate. It features six numbered icons: 1. Working style wizard, 2. User defined pages, 3. ID templates, 4. Hot keys & favourites (highlighted in green), 5. Coding, and 6. App visibility. At the bottom are 'Fn', 'OK', and 'Fn' buttons.</p>	<p>We can now set up a hotkey to take us back into the quality control page to make life easier to change between modes.</p> <p>Select Hot keys & favourites.</p>
9	 <p>The screenshot shows the 'Hot Keys & Favourites' screen. It lists function keys F7 through F12 with corresponding menu items: F7 is 'GS - Satellite tracking', F8 is 'Data - View & edit ...', F9 is 'GS - Current GS pos...', F10 is '<None>', F11 is 'GS - Quality control' (highlighted in green), and F12 is '<None>'. At the bottom are 'OK' and 'Page' buttons.</p>	<p>If it isn't already setup choose one of the F keys and select GS -Quality control. Press OK when done.</p>
10	 <p>The screenshot shows the 'GS Quality Control' screen. It has tabs for 'General' and 'Advanced'. Under 'General', there are options: 'Automatically stop point measurement' (checked), 'Stop measurement based on' (with a dropdown menu showing 'Instantaneous', 'Accuracy', 'Positions' (highlighted in green), 'Instantaneous', and 'Time'), and 'Automatically store point'. At the bottom are 'Check quality before storing' and 'OK' buttons.</p>	<p>By pressing F11 I will be taken straight into this page where I can change my measurement method and parameters.</p>
11	 <p>The screenshot shows the 'Customisation' screen, identical to the one in step 8. The 'Hot keys & favourites' option (4) is highlighted in green.</p>	<p>Now you can modify your survey screen to give you a visual of your position count or time spent at point.</p> <p>Back into Settings – Customisation and select User defined pages.</p>

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12	 <p>Page Settings 1</p> <p>1st line Point ID</p> <p>2nd line Antenna height</p> <p>3rd line Easting</p> <p>4th line Northing</p> <p>5th line Height</p> <p>6th line RTK positions</p> <p>7th line Unused line</p> <p>Fn OK Clear Fn</p>	<p>I have chosen my 6th line to display RTK positions.</p> <p>This will be displayed on the left of the screen when you are using the Measure app.</p>
13	 <p>CP1</p> <p>Easting 1233.022 m Northing 4320.874 ... Height 110.623 m</p>	<p>The first thing we told Captivate was to Check the average of duplicate points. Notice the updated symbol next to CP1</p> <p>If we measure the same point (give it the same PtID) Captivate will average the position.</p> <p>You can revisit that point anytime in the day and add measurements to it.</p>
14	 <p>CP1</p> <p>Coordinates Code Mean Images</p> <p>Measure 7</p> <p>Use No Out of limit --- dPos 0.001 m dHt -0.014 m</p> <p>Measure 6</p> <p>Use No Out of limit --- dPos 0.001 m dHt -0.010 m</p> <p>Measure 5</p> <p>Use Auto Out of limit --- dPos 0.001 m dHt 0.000 m</p> <p>Measure 4</p> <p>Use Auto Out of limit --- dPos 0.001 m dHt 0.000 m</p> <p>Fn Store Use Edit Delete More Page Fn</p>	<p>Click on the working job and go to View & edit data.</p> <p>Find the point with the above average symbol and select edit. Page across to Mean.</p> <p>You can press F2 – Use to remove measurements if the accuracy isn't up to scratch. When you press store the coordinate will automatically update.</p>

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