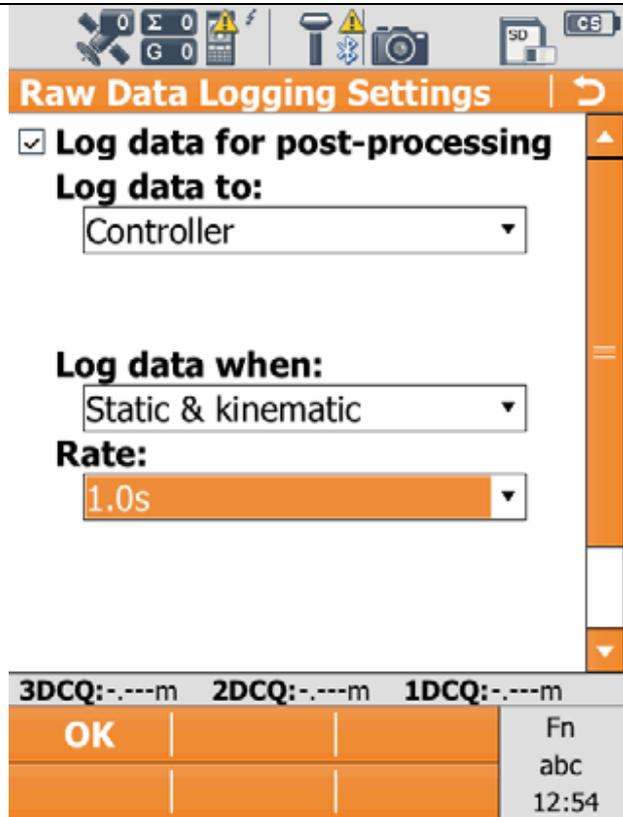
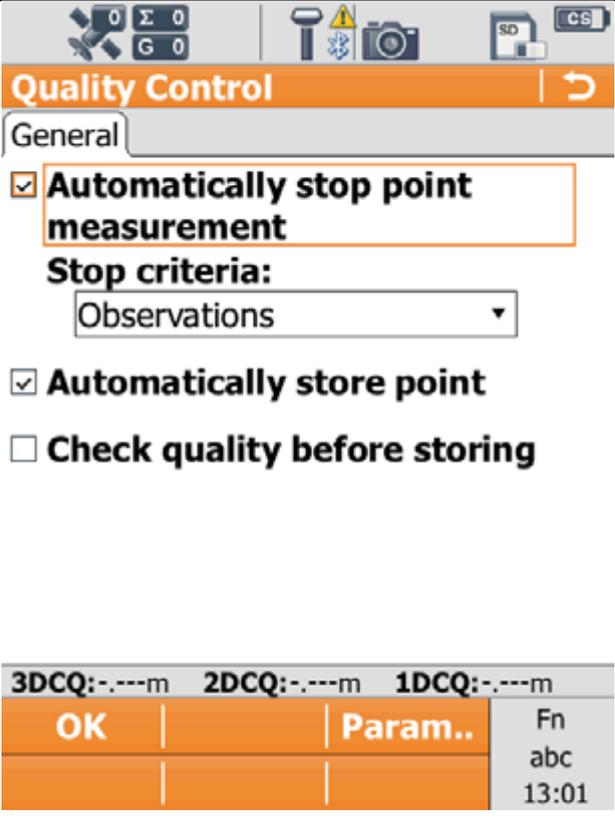
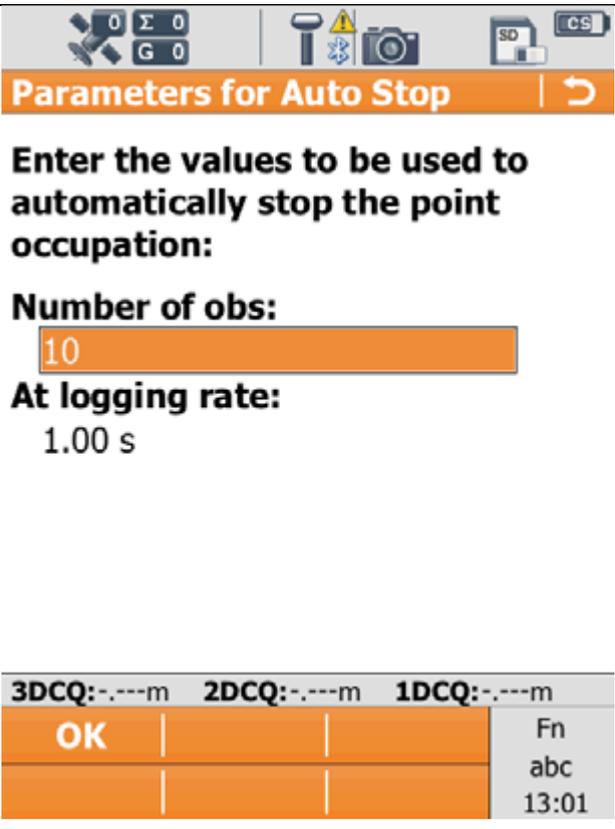
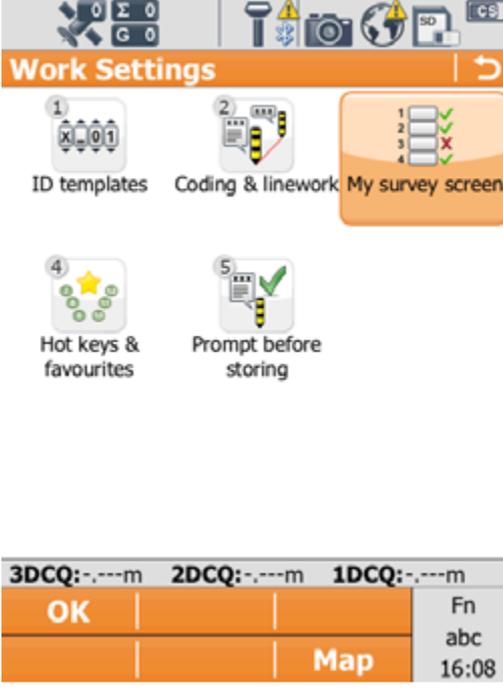


Setting changes for using PPK Survey

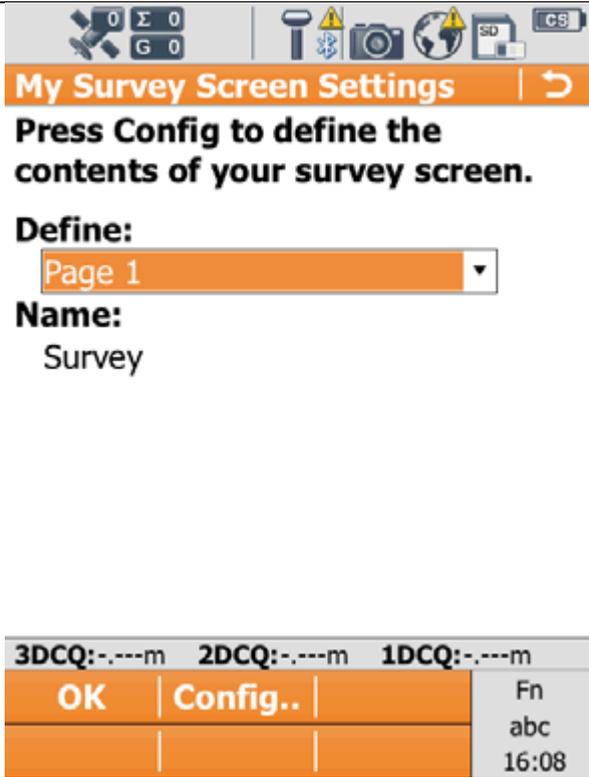
Step	Action	Screen Display
1	From the main menu of SmartWorx Viva press the * button then RTK Settings .	
2	Untick the box Receive RTK Data . Then select OK	

<p>3</p> <p>If you are switching from an internet RTK setup. From the main menu select 3 Instrument, 2 Connections, followed by all other connections.</p> <p>Highlight the CS internet line and select Edit. Untick the option to Use Internet connection on CS then select OK.</p>	
<p>4</p> <p>When back at the main menu select 3) Instrument again followed by 1)GPS settings, then 5) Raw data logging. Tick the box to log data for post processing.</p> <p>Log data to the controller and ensure you are logging when <u>static and kinematic</u> at 1.0s. Then select OK</p>	

<p>5</p>	<p>From the main menu press the * button and select 8) Quality control. Select the stop criteria to be Observations and untick the box Check quality before storing.</p>	 <p>The screenshot shows the 'Quality Control' settings screen. At the top, there are icons for various functions. The title bar is orange and says 'Quality Control'. Below it is a 'General' tab. There are three checkboxes: 'Automatically stop point measurement' (checked), 'Automatically store point' (checked), and 'Check quality before storing' (unchecked). A dropdown menu for 'Stop criteria' is set to 'Observations'. At the bottom, there is a navigation bar with '3DCQ:--m', '2DCQ:--m', '1DCQ:--m', 'OK', 'Param..', and 'Fn abc 13:01'.</p>
<p>6</p>	<p>Tap Param.. at the base of the screen and change the number of obs to 10. Then select OK until you reach the main menu.</p>	 <p>The screenshot shows the 'Parameters for Auto Stop' settings screen. At the top, there are icons for various functions. The title bar is orange and says 'Parameters for Auto Stop'. Below it is the instruction 'Enter the values to be used to automatically stop the point occupation:'. There are two input fields: 'Number of obs:' with the value '10' and 'At logging rate:' with the value '1.00 s'. At the bottom, there is a navigation bar with '3DCQ:--m', '2DCQ:--m', '1DCQ:--m', 'OK', and 'Fn abc 13:01'.</p>

7	<p>From the main menu select 4 User followed by 1 Work settings..</p>	
8	<p>Followed by My Survey screen</p>	

Sunbelt Rentals Survey

9	<p>Press Config.. at the base of the screen to change the survey screen.</p>	
10	<p>Add to the display, GDOP, Msd PP obs and Time at point. (These will allow you to time your measurements and track your accuracy)</p>	
11	<p>You can now begin your PPK Survey.</p>	

- Your PPK survey must be of at least 2 hours' duration no matter what is being surveyed.

Sunbelt Rentals Survey

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- A Static reading of 10 minutes' duration must be conducted at the beginning of the survey followed by 10 seconds at each point surveyed. You do not need to record a point for the initialization period, merely log the raw obs for ten minutes. The controller will begin to log the raw observations as soon as the survey program is opened.
- Should the GDOP raise above 5 or the number of Satellites drop below 5 another 10-minute static observation is required.
- If the survey is less than 2 hours in length, then a final static observation must be undertaken to bring it up to the 2-hour required length.
- Post processing the gathered information requires a copy of Leica Geo Office or Infinity with a post-processing license both of which can be purchased or hired from Sunbelt Rentals Survey.