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**	

Sunbelt Rentals Survey
3 Orpheus House, Calleva Park, Aldermaston, Reading, RG7 8TA. 0330 678 0181   Support Number: 01293 565565   sales@sunbeltsurvey.co.uk
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Registered Office: Sunbelt Rentals Ltd. 100 Cheapside, London EC2V 6DT. Registered No. 444569 England & Wales

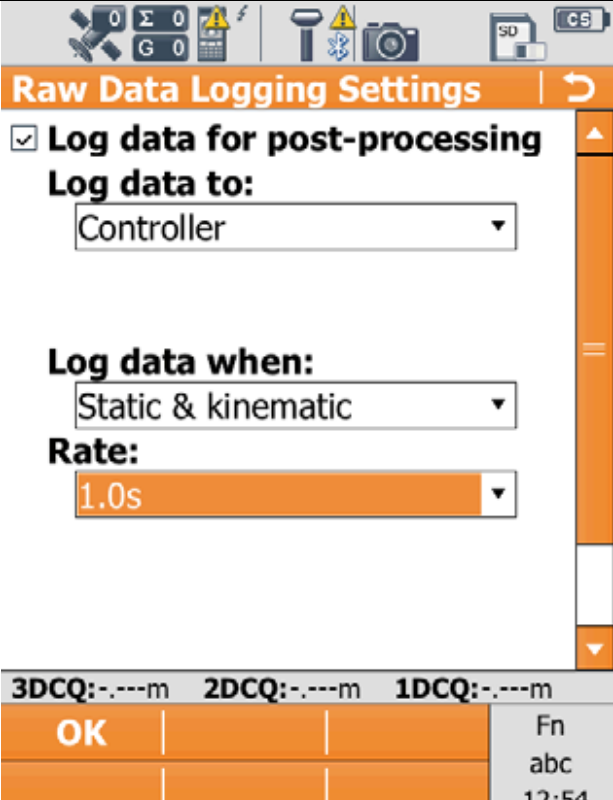| 3	If you are switching from an internet RTK setup. From the main menu select **3 Instrument, 2 Connections**, followed by **all other connections.** Highlight the CS internet line and select **Edit**. Untick the option to **Use Internet connection on CS** then select OK.	
4	When back at the main menu select **3) Instrument** again followed by **1)GPS settings**, then **5) Raw data logging**. Tick the box to log data for post processing. Log data to the controller and ensure you are logging when <u>static and kinematic</u> at 1.0s. Then **select OK**	
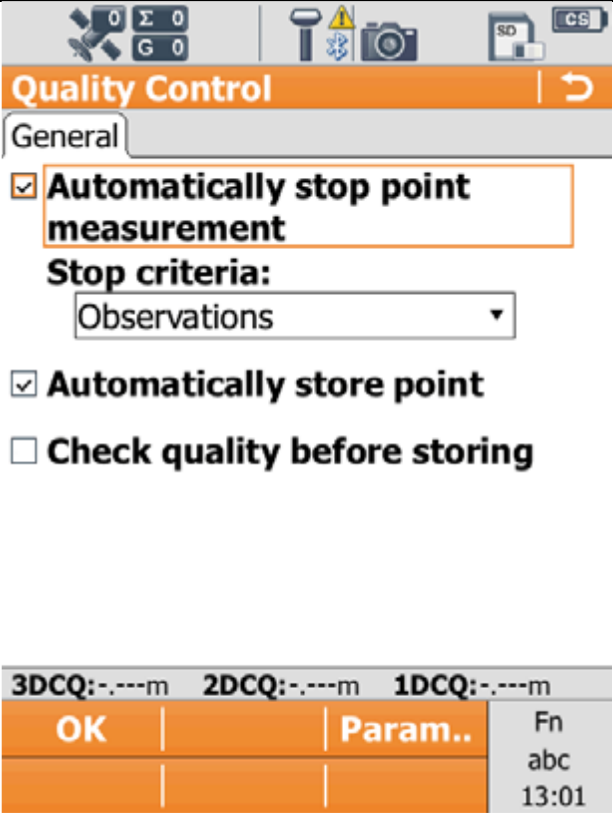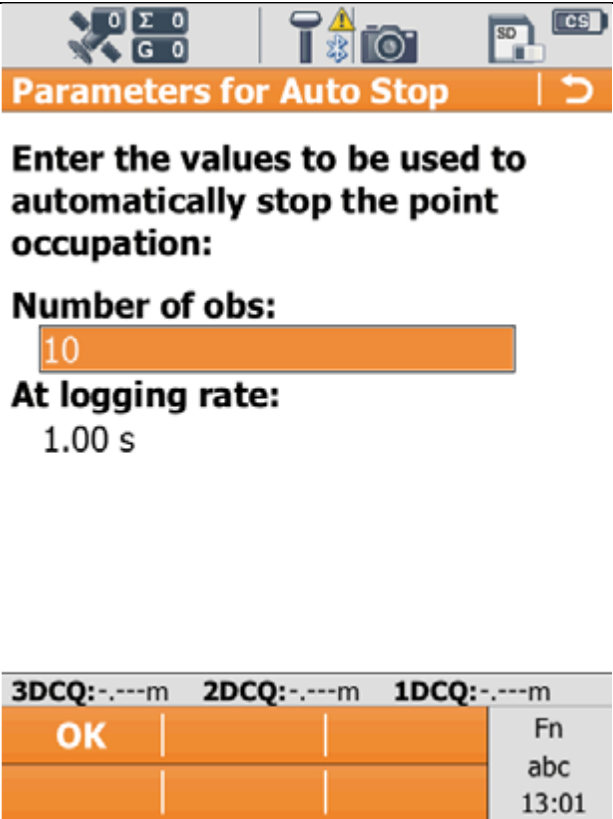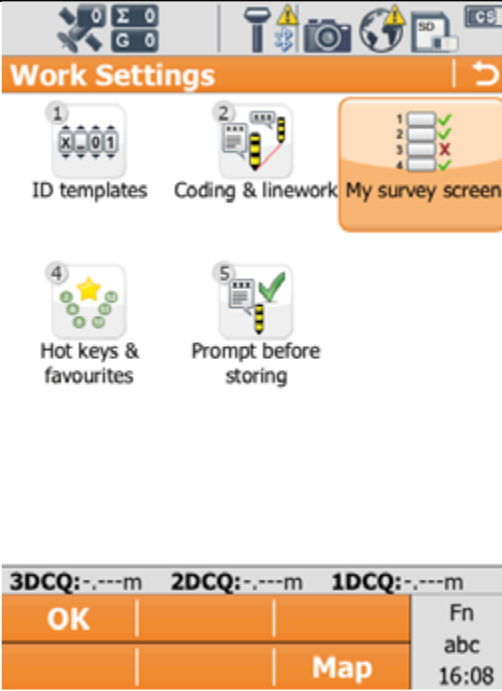
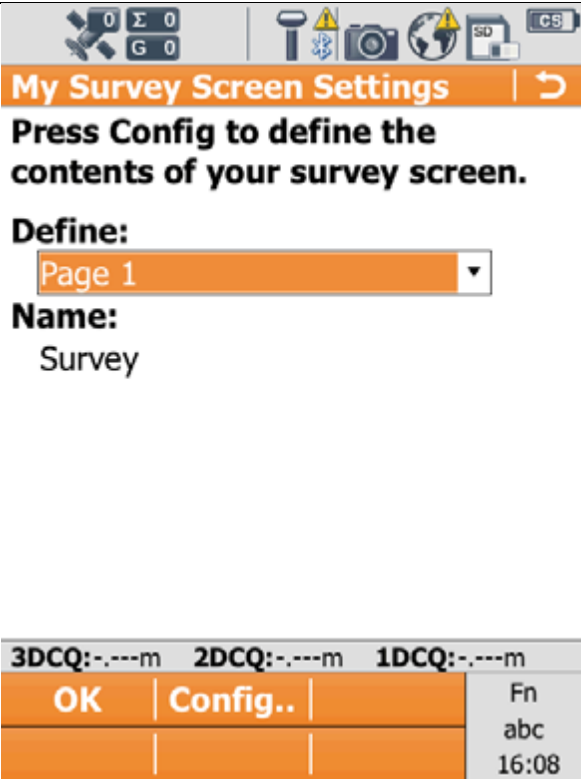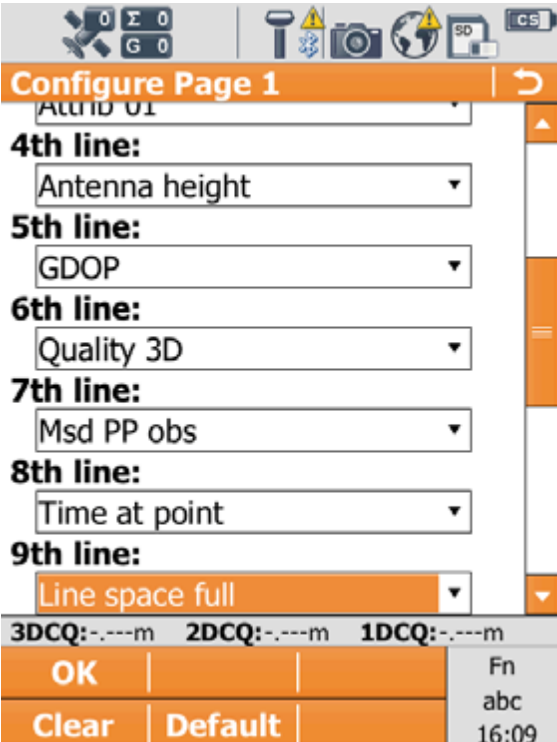|	
5	From the main menu press the *** button** and select **8) Quality control**. Select the stop criteria to be **Observations** and untick the box **Check quality before storing**.
6	Tap **Param..** at the base of the screen and change the number of obs to 10. Then select **OK** until you reach the main menu.

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7	From the main menu select **4 User** followed by **1 Work settings..**	
8	Followed by **My Survey screen**	

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

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

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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.