Performing a Fast-Static Survey using a R8 GNSS Receiver and a TSC2 Controller

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1. Begin by opening Trimble Access in either your Start menu or in the Programs folder located in your TSC2. In the Main Menu of Trimble Access, tap the **Settings** tab to set your Fast-Static survey style.

2. When you enter the Settings Menu, select the **Survey Styles** menu to create your new survey. Because Fast Static Surveying does not require a Bluetooth connection to be established, we do not have to go into the Connect Menu.

3. In the Survey Styles Menu, you will create and edit a new style. To do so, select the **New** tab located at the bottom of the screen of your TSC2.
4. Selecting New will default you to the Style Details menu. In the **Style Name** box, type in the name of your new style. You will reference this when you do your survey. In the Style Type, select the down tab and select **GNSS**. Tap the **Accept** button to create and edit your survey style.

5. Once you hit Accept, you will be transferred to the edit menu of your survey style. Begin your style edit by selecting **Rover Options**.

6. In the Rover Options submenu, select the down tab in the Survey Style box. Toggle the option from RTK to **FastStatic**. Doing so will edit the menu such that the **Logging Interval** and **Logging Device** options will appear. Keep your Logging Device to **Controller** if you prefer your measured points to be stored in your TSC2. The Logging Interval is to the user’s discretion.

7. Toggle through each page indicated by the circle in the diagram. In the second page, make sure that the correct **Antenna Type** and **Antenna Height** are selected. Tap **Accept**.

8. Back in the Survey Style edit menu, you will see that the options reduced to all but four as indicated on the screen. Select **FastStatic Point** to edit your measurement times.
9. In the FastStatic Point menu, check the **Auto Store Point** only if you want to automatically store your point upon completion of a timed measurement. In the **L1/L2 Fast Static times**, select the desired time interval to measure your FastStatic Point in either one or all three boxes. The numbers of satellites you want to use for your survey as well as the time to measure a single point are at your discretion. Tap **Enter** to exit the menu.

11. Exiting this menu will take you back to the default menu as seen above in step 8. Tap **Store** to save your settings and select **Enter**. Once back into the Survey Styles Main Menu, select **Esc** to exit.

12. Tap the Trimble Icon on the top left screen and select **Trimble Access**. This will take you back to the main menu. Once there, select the **Jobs** menu and select **Open Job**. If you have not created a job yet, select **New Job**.

13. Key reminder for those creating new jobs: In order to see your points as plotted on the map and in your points manager, select the **Coordinate System** (Coord. Sys. In Trimble Access) option and choose **Select from Library** rather than **Scale Factor Only**. Edit the other options accordingly (i.e. Units, Template, etc.). Select **Accept** to save and store your settings.

14. You are now ready to begin your Fast-Static Survey. Begin by selecting **Measure>>Your Survey Style>>Measure Points**. A status bar will load for your survey style.

15. You will be directed to the Measure Points menu. Select a name and code for your point. Select **Measure**. Fast Static measures can take some time depending on how long you set your times in step 9. Keep an eye on your GPS as you record and make sure it is unobstructed during your measure.