

Trimble 5700/R7 - How to configure for RTK - OLD

77 Freddy Blume January 26, 2010 [Trimble R7/5700](#) 1935

Trimble 5700/R7 - How to configure for RTK (real time kinematic) surveys

RTK surveys provide centimeter level precision coordinates without post-processing. Surveys must be conducted within a 5 km range of a RTK correction broadcasting base station. If you think you may travel more than 5 km away from such a base or lose line of sight communication with it, choose RTK and infill. When using RTK and infill the base broadcasts 1 sec corrections, and logs data at 5 sec intervals (see manuals for details).

1. Insert memory card in slot in the TSC1 controller.
2. Connect the controller to the receiver (Port 1) and set it up on the range-pole, or in the backpack.
3. Turn on the controller, which also powers up the receiver.
4. Select "Files/Job Management" on the controller display main menu.
5. Create "New" or select an existing job. To create a new job, enter a job name and set "File Location" to "PC card". Select "No projection/no datum" as the coordinate system, and set reference elevation to the local average.
6.
Choose survey -->TRIMBLE RTK.
7.
Choose edit (F5) --> Rover Options.
8. Set up should look like this (modify if needed)

Survey type	RTK
Broadcast format	CMR+
WAAS	off
INS positions	RTK only
Use station index	any
Prompt for station index	no
Elevation Mask	13 degrees
PDOP Mask	10

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