



TECH NOTES

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WELCOME TO TECH NOTES - FRONTIER PRECISION'S MONTHLY E-NEWSLETTER!!! TECH NOTES IS DESIGNED TO KEEP YOU UP TO DATE WITH TIPS AND INFORMATION ON THE LATEST TECHNOLOGY IN SURVEYING, CONSTRUCTION, AND GIS. OUR COMPANY GOAL IS TO HELP YOU BE MORE EFFICIENT AND MORE PROFITABLE BY UTILIZING TODAY'S TECHNOLOGY.

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TECH SUPPORT HOTLINE 888.797.4774

Now may be the time to Integrate your Survey

Integrated Surveying may be a new buzzword but the capability has been around for a while. What Integrated Surveying means is to be connected and running a survey with your Trimble GPS system and Trimble Robotic Total Station at the same time with one controller. This would include a base/rover GPS or VRS Rover and a Trimble Robotic Total Station like the Trimble S6 or 5600 instruments.

To get started, go into the "Config" Menu of the Survey Controller software and create a new Integrated Survey Style. Choose the GPS style and Total Station style you would normally use as your two styles within the Integrated Style. You can even define the offset between the height of the GPS antenna and your 360 degree prism, so when you switch between the devices, the proper height is recorded. If you do not know the offset, hit the Help Menu and it will give you some common offsets between the bottom of a GPS Antenna and a 360 degree prism that you may be using.

Now when you start a survey with this new Integrated Style, your GPS system and Robotic Total Station will both connect up to the controller. Down at the bottom of the screen of Survey Controller, where you read your RTK or Total Station status, when you tap it, the controller will switch from one working device to the other. For example, if you want to collect some RTK GPS control, tap the Total Station Angles at the bottom of the screen and switch to the RTK system to collect your points. If you want to then switch back to the Total Station to take some observations under some tree canopy, tap the bottom of the Survey Controller screen where you see the RTK precisions. The controller will instantly switch back to measuring with the Total Station.

Another advantage this Integrated Surveying gives you is the ability to use the GPS Search function when trying to find your 360 degree prism after target lock has been lost, since you are always connected to the GPS. You can also take advantage of being connected to both GPS and a Total Station to perform a Resection from the GPS without ever setting your Total Station on a known point, creating your own geometry and control for the resection on the fly.

If you have any further questions, please contact our
Tech Support Department at 888-797-4774.



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Trimble 5700/5800	2.32	Trimble S6	R11.0.76
Trimble R8 GNSS	4.01	Trimble R7 GNSS / R6	4.01
Trimble TSC2/ TCU Survey Controller	12.44	Trimble HPB450 / PDL450	2.42
Trimble ACU/TSCe Survey Controller	11.40	Trimble Geomatics Office	1.63
Trimble TSCe Survey Pro w/ TSX	4.6.0	Trimble VX Spatial Station	R11.0.76
Trimble NetRS	1.20	Trimble GX 3D Scanner	4.0.5
Trimble NetR5	3.60	RealWorks	6.3.1

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