



TECH NOTES

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December 3, 2009

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

FPI's Routine Annual Maintenance Program - R A M

\$100.00 (price per piece of equipment)

Equipment supported under this program

- Trimble TSC2 Survey Controller
- Trimble TCU Survey Controller
- Trimble Ranger, Recon, Nomad Handheld
- Trimble Pathfinder XT, XH, XRT Receiver
- Trimble Geo XM, XT, XH Handheld (2003-2008 series)
- Trimble 5700, 5800, R6, R7, R8 GPS Receivers

Services Covered on Controllers without GPS (TSC2, TCU, Ranger, Recon, Nomad)

- System Inspection - General physical damage inspection - test torque on external screws
- Verify and install most current operating system (subject to valid support agreement)
- Verify and install most current software version (subject to valid support agreement)
- Run diagnostic checks on touch screen, keyboard, battery, serial loop back, audio, backlight, and NAND memory.
- Clean and calibrate touch screen
- Check connectivity to charger
- Check connectivity to Microsoft Active Sync
- SD and CF Cardport test
- Perform maintenance per any applicable service bulletin
- Check and record warranty status (per Trimble records)
- TSC2/Ranger Stress Test
- Check Bluetooth and Internal Radio where applicable

Services Covered on Handhelds with Integrated GPS (Geo XM, XT, XH, Nomad w/GPS)

- All services listed above that are applicable, as well as:
- Verify and install latest GPS Firmware
- Field Test GPS ensuring proper GPS reception
- Check External Antenna Port for proper GPS reception

Services Covered on GPS Receivers Only (Pro XT, XH, XRT, 5700, 5800, R6, R7, R8)

- All services listed above that are applicable, as well as:
- Verify and install latest GPS Firmware (subject to valid support agreement)
- Test all ports - test power and communication
- Perform LED test
- Receiver Memory check
- Record RTK receiver frequencies - test internal radio
- Field Test GPS ensuring proper GPS reception
- Test and verify Bluetooth Connectivity
- Verify and install latest Bluetooth and Radio Firmware

Frontier Precision RAM Service also qualifies the unit as inspected and eligible for Trimble extended hardware warranties. (***) certain exclusions apply, check with your local FPI Service department for details(***)

Any additional services requested will be billed at regular rates.

Current FW / SW Versions

Trimble TSC2/ TCU Survey Controller	12.45
Trimble ACU/TSCe Survey Controller	11.40
Trimble TSCe Survey Pro w/ TSX	4.6.0
Trimble Business Center	2.20
Trimble NetR5	3.60
RealWorks	6.3.1
Trimble GeoMatics Office	1.63
Trimble S6	R11.0.76
Trimble R7 GNSS / R6	4.01
Trimble HPB450 / PDL450	2.42
Trimble VX Spatial Station	R11.0.76
Trimble GX 3D Scanner	4.0.5
Trimble 5700/5800	2.32
Trimble R8 GNSS	4.11

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