



Firmware Release Notes

Firmware Version 2.52 07 August 2014

- Fixed 4 byte shortage in PD3 for Schilling
- Fixed PD0 for Schilling

Firmware Version 2.51 01 August 2014

- Fixed bug in \$PRTI33 output of pressure data.
- Fixed bug that accumulated the BT SOS twice
- Changed the sign of PD0 velocity profile data

Firmware Version 2.50 25 July 2014

- Added water track to PD0 output
- Fixed a bug in the CSHOW of C232OUT, C485OUT, and C422OUT
- Added 2 additional parameters to CHO
- Added CTS
- Added 0 to CHS to allow using CHO as a heading source
- Changed leak to counts
- Added output for leak detector for PD13
- Fixed bug with STOP command
- Fixed a bug with the STARHPR command
- UDP and firmware upload on Ethernet implemented
- WIP EMAC upload
- UDP development
- Added ENGDEFAULT 252 = Waves
- Created defaults for all configurations
- Added force stop to 115200 Baud on all ports

Firmware Version 2.47 13 June 2014

- Added STARHPR command
- Added more samples to ENG SPECTRUM
- Removed debug output
- Fixed a bug with CEOOUTPUT 2
- Added ACK command to the STOP command

Firmware Version 2.44 21 May 2014

- Added PD3 output format
- Fixed a ping timing bug when DVL WT is enabled

Firmware Version 2.43 12 May 2014

- Added \$PRTI32 and \$PRTI33 data output strings
- Changed 1200 kHz default bottom track blanking distance to 0.10 m (from 0.40 m)

Firmware Version 2.42 12 May 2014

- Added default system type (DVL, DR, SC) to the wake up message
- Modified default blanking distances for all RTI systems
- Changed default lag to:



- 0.80 m for the 300 kHz
 - 0.40 m for the 600 kHz
 - 0.20 m for the 1200 kHz
- Increased default setting for the sleep seconds command to 10 minutes
- Changed the logic for the CEMAC command
- Fixed the ensemble number increment when using PD0 in DVL mode
- Added recovery code for 300 kHz high power pings

Firmware Version 2.41 12 April 2014

- Added a check for bottom-tracking engineering record

Firmware Version 2.40 12 April 2014

- Modified DVL output formats
- Turned off bottom-track filter
- Modified filters for dual frequency systems
- Fixed PD0 pressure data units, now decaPascals (daPa) was 10*Bar

Firmware Version 2.39 28 March 2014

- Added a boost cap switch and boost voltage reading
- Changed input voltage measurement device
- Added new Ethernet download option
- Fixed 19 MB limit on Ethernet download

Firmware Version 2.37 11 March 2014

- Keep receiver active for sing-around Bottom-track option

Firmware Version 2.36 21 February 2014

- Changed engspectrum receiver settings
- Improved bottom-track ping times with boost turned off
- Fixed surface track when using pressure sensor as reference
- Added subsystem number at the end of NMEA strings
- Added and improved sing-around bottom-track option
- Turned off bottom-track filter as default
- Added bottom track engineering data to profile structure
- Added NMEA data output to DVL ASCII output
- Added 100 msec wait after setting the NAND system structure block
- Added PD06 data output format
- Repaired a bug with BT Earth velocity filter
- Improved NAND sleep block handling
- Fixed 2nd ping 1 second skip
- Added low battery voltage logic