

RT-21 REVISION HISTORY

1.0 – Initial Release

1.01 - Sept 15 2007

Various command fixes that allow the serial communications to work correctly with remote commands and release of RT-21 Setup Utility. Limit settings and calibration settings weren't calculated correctly. It was OK with SETUP from front panel.

1.02 – Sept 28 2007

Fixes the DCU-1 protocol as implemented in some programs. WriteLog and Logger32 were found not to work with RT-21 due to extra <cr> character used by these programs. 1.02 ignores these <cr> characters. Tested WL and Logger 32.

1.03 – Nov 5 2007

Changed the TIC Option to become TIC-PST to include Prosistel rotors into the same POT-RANGE testing and errors scenarios. Included into rev 1.1 of the manual. Also checks for this error all the time instead of just when the motor is running.

1.03.1 – Dec 11, 2007

Fix bug that can revert to an old heading when using SETUP program to change settings if rotor has also been moved during SETUP session. (Real Heading not saved!!!) Could be dangerous to Alfa-Spid users.

1.04 – Jan 22, 2008 [INCLUDES VERSION 1.14 of SETUP UTILITY]

1. Adds a short ramp down on CANCEL or computer stop command. Manual button release ramp downs are longer also.
2. Quick tap of CW or CCW button begins RAMPDOWN NOW, but will continue toward target at MIN SPEED.
3. Improved the USB enumeration process that fixes the USB on real fast computers.
4. Alfa-Spid rampdowns start later to reduce "creep in".
5. Allows 5 digit pulse divider settings from SETUP UTILITY

6. Errors no longer force a reboot of the controller EXCEPT for a Low Voltage detect. This allows much faster responses for the new SETUP utility as it changes values AND allows SETUP to detect that an error has occurred. The controller responds with a '999' heading for the 2 seconds following a NO MOTION FAIL.
7. New QUICK CAL routines now work with SETUP UTILITY. See the Manual appendix H for information.
8. A separate HEX file for RT-20 upgraded units is now provided that includes the "NoUSB" in the file name. This hex file should be used with all controllers that DO NOT have a USB connector on the rear panel. It will disable the USB connection of a controller that DOES have a USB connector if loaded.
9. New Manual 1.2 is released.

1.04.1 – Feb 22, 2008

1. Fixed a RS232 initialization problem in the NoUSB version (only effects RT-20 Upgrades)
2. Expanded the vanity message to a full line (20 chars))
3. Improvements to error checking on COM port. Will release a new SETUP Utility (1.15) soon to make use of these.