



## **ULTRA Plus Firmware Version 3.20**

The following information reflects the changes that have been incorporated into Version 3.20 firmware for the ULTRA Plus.

- The extended debug break point table remains fully intact when the program aborts.
- Two additional modes (modes 3 and 4) have been added to the purge motion functionality. The additional modes are the same as modes 1 and 2 with the exception that firmware will remove the purge motion request after performing the purge.

The following were incorporated into Version 2.14 as well as 3.20:

- When defining home (position 0.0) using an assigned general purpose input, a watchdog reset no longer occurs.
- Home now needs to be defined whenever you attempt any absolute moves.
- When using the print block, the system now properly displays the Filtered Feedback Velocity system value within a motion diagram.
- Redefine position functionality, which allows independent position initialization for encoder 1 and encoder 2, has been added.
- The line control register is now set up to allow transmission using 7 data bits, no parity to function properly.
- The “ver” host command, which allows you to send the personality id string as a null terminated string or a series of bytes, can now have up to a 32 byte id length.



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