

ESP301 controller firmware

ESP301 Firmware V1.1.x

ESP301 Firmware Version 1.1.1 (released January, 2014)

- ✓ Correct USB communication failure which caused unwanted reboot.

ESP301 Firmware Version 1.1.0 (released May, 2010)

- ✓ Add YW command to modify the controller's name and version.
- ✓ Add YZ command to set command string echo for RS232C and USB communication.
- ✓ Add YZ command to set command string terminator configuration for RS232C and USB communication.
- ✓ Add in ZZ command configuration for interlock fault active high or active low.
- ✓ Correct BG command, program execution on TTL signal, problem.
- ✓ Correct response string for multiple values for HB?, HC?, HL? and HC? commands.
- ✓ Correct HO command execution.
- ✓ Correct USB communication message handling that, in some cases miss a command.
- ✓ Correct random Huge Desired position (DP).

ESP301 controller firmware

ESP301 Firmware V1.0.x

ESP301 Firmware Version 1.0.5 (ECO released Jul, 2009)

- ✓ Correct “No stage” issue when doing a ST or AB while stage does a MT, MV or OR.
- ✓ Correct moves in groups, with one of the stage not moving causing a following error

ESP301 Firmware Version 1.0.4 (ECO released Feb, 2009)

- ✓ Correct Emergency Stop handling to match ESP300
- ✓ Correct QD function handling

ESP301 Firmware Version 1.0.3 (ECO released Feb, 2009)

- ✓ Correct PH command (take Emergency Stop (bit 28) into account)
- ✓ Throw (missing) Emergency Stop error when Motor Interlock signal is triggered
- ✓ Correct bugs around keypad and display handling for numerics : moving comma bug, digits after comma sometimes not allowed, could not get out of edition mode without moving, sign position on screen, address position with too many digits after the comma, do not return to main menu after move (absolute/relative)
- ✓ Improve USB response time

ESP301 Firmware Version 1.0.2 (ECO released Jan, 2009)

- ✓ Correct self-reboot issue
- ✓ Improve USB response time (with high loads like ESP-Tuning data gathering)

ESP301 Firmware Version 1.0.1 (ECO released Oct, 2008)

- ✓ Front display now shows the correct number of digits
- ✓ 3Amp driver recognition corrected
- ✓ Driving of stepper motor corrected
- ✓ Jog of stepper motor corrected
- ✓ Stepper motor glitch at motor on (MO) corrected
- ✓ Jog (MV) for trapezoidal profiles corrected

ESP301 Firmware Version 1.0.0

- ✓ Initial version