Snapshot ESP302-N200022 (May 2024)

Hardware/kernel

- ✓ ESP302

Motion Kernel: *version 0.03n*

- ✓ Fix trajectory travel range issue
- ✓ Fix Home signal Home Search when outside of limits

Host: *version 0.1.42*

LCD FrontPanel: *version 0.2.13*

Web site: *ESP302 2.99.1*

Stage data base: *V4.3.11*

Software drivers: *ESP302 Command Interface V1.2.0.0 (x64 and x86 Windows .NET)*

- ✓ TB_Get modification : "timeStamp" parameter type becomes Int64 instead of Int32
- ✓ Fix string return parameters (VE, TB…)

Manuals

- ✓ A1270B1 - EDH0411 (ESP302 - Start-Up Manual)
- ✓ EDH0412 (ESP302 - User Interface Manual)
- ✓ EDH0413 (ESP302 - Features Manual)
- ✓ EDH0416 (ESP302 - Programmer's Manual)
  - *Add polarity bit description in ZH command*

Snapshot ESP302-N200021 (September 2023)

Hardware/kernel

- ✓ ESP302
- ✓ Improve configuration protocol

Motion Kernel: *version 0.03k*

- ✓ Fix issue when moving an axis when another is homing
- ✓ Fix backlash compensation
- ✓ Fix software limits change through commands before homing

Host: *version 0.1.42*

LCD FrontPanel: *version 0.2.13*

- ✓ Fix Touchscreen bug after inhibit unplugged

Web site: *ESP302 2.99.1*

Stage data base: *V4.3.11*

Software drivers: *ESP302 Command Interface V1.1.0.0 (x64 and x86 Windows .NET)*

Manuals

- ✓ A1270B1 - EDH0411 (ESP302 - Start-Up Manual)
- ✓ EDH0412 (ESP302 - User Interface Manual)
- ✓ EDH0413 (ESP302 - Features Manual)
- ✓ EDH0415 (ESP302 - Programmer's Manual)

Snapshot ESP302-N200020 (December 2022)

Hardware/kernel

- ✓ ESP302

Motion Kernel: *version 0.03i*

- ✓ Add FV command
- ✓ Bug correction for PP motors position reset with DH

Host: *version 0.1.42*

- ✓ Add FV command

LCD FrontPanel: *version 0.2.12*

Web site: *ESP302 2.99.1*

Stage data base: *V4.3.11*

Software drivers: *ESP302 Command Interface V1.1.0.0 (x64 and x86 Windows .NET)*

- ✓ Fix response issue due to a hexadecimal response
- ✓ Fix function with boolean value
- ✓ Add FV command

Manuals

- ✓ A1270B1 - EDH0411 (ESP302 - Start-Up Manual)
- ✓ EDH0412 (ESP302 - User Interface Manual)
- ✓ EDH0413 (ESP302 - Features Manual)
- ✓ EDH0415 (ESP302 - Programmer's Manual)
  - *Add FV Command*

Snapshot ESP302-N200019 (April 2022)

Hardware/kernel

- ✓ ESP302

Motion Kernel: *version 0.03h*

- ✓ Resolution for stages without encoder set to 1nm instead of 1µm

Host: *version 0.1.41*

- ✓ Possibility to use BG command inside programs
- ✓ FP value saved in non-volatile memory

LCD FrontPanel: *version 0.2.12*

- ✓ fix Reset Position bouton in Relative Move axe 3

Web site: *ESP302 2.99.1*

Stage data base: *V4.3.11*

- ✓ Limitation of « DriverBemfCompensationGain » parameter to 1.5 for some Stepper configurations

Software drivers: *ESP302 Command Interface V1.0.2.0 (x64 and x86 Windows .NET)*

Manuals

- ✓ A1270B1 - EDH0411 (ESP302 - Start-Up Manual)
- ✓ EDH0412 (ESP302 - User Interface Manual)
- ✓ EDH0413 (ESP302 - Features Manual)
- ✓ EDH0414 (ESP302 - Programmer's Manual)

Snapshot ESP302-N200018 (Sept 2021)

Hardware/kernel

- ✓ ESP302
- ✓ Change RS232 port redirection to avoid stopping it when restarting firmware

Motion Kernel: *version 0.03g*

- ✓ MV? returns motion done status
- ✓ possibility to inverse encoder counting direction by setting a negative value on EncoderResolution parameter in stageX.ini
- ✓ Bug correction for positive limit home search

Host: *version 0.1.39*

- ✓ Possibility to erase all programs with XX command
- ✓ Possibility to list all programs with LP command
- ✓ Bug correction in LP command
- ✓ Bug correction with LC0 returning an error

LCD FrontPanel: *version 0.2.10*

- ✓ new Reset Position bouton

Web site: *ESP302 2.99.1*

- ✓ Bug correction on snapshot update from recovery mode

Stage data base: *V4.3.5*

Software drivers: *ESP302 Command Interface V1.0.2.0 (x64 and x86 Windows .NET)*

Manuals

- ✓ A1270B1 - EDH0411 (ESP302 - Start-Up Manual)
- ✓ EDH0412 (ESP302 - User Interface Manual)
  - *Add documentation of Reset Position buttons*
  - *Delete obsolete LCD calibration process*
- ✓ EDH0413 (ESP302 - Features Manual)
- ✓ EDH0414 (ESP302 - Programmer's Manual)
  - *Update DIO jog mode commands with velocity control*

Snapshot ESP302-N200017 (February 2021)

Hardware

- ✓ ESP302
- ✓ Bug correction in factory reset feature

Motion Kernel: *version 0.03d*

- ✓ Add possibility to inverse limits polarity for OEM

Host: *version 0.1.38*

- ✓ Increase programs max lines from 500 to 10000

LCD FrontPanel: *version 0.2.9*

Web site: *ESP302 2.4.0*

Stage data base: *V4.3.5*

Software drivers: *ESP302 Command Interface V1.0.2.0 (x64 and x86 Windows .NET)*

Manuals

- ✓ A1270B1 - EDH0411 (ESP302 - Start-Up Manual)
- ✓ EDH0412 (ESP302 - User Interface Manual)
- ✓ EDH0413 (ESP302 - Features Manual)
- ✓ EDH0414 (ESP302 - Programmer's Manual)

Snapshot ESP302-N200016 (January 2021)

Hardware

- ✓ ESP302

Motion Kernel: *version 0.03c*

- ✓ Change BP velocity bit polarity
- ✓ home and moves no longer blocked by GPIO jog mode

Host: *version 0.1.37*

LCD FrontPanel: *version 0.2.9*

Web site: *ESP302 2.4.0*

Stage data base: *V4.3.5*

Software drivers: *ESP302 Command Interface V1.0.2.0 (x64 and x86 Windows .NET)*

Manuals

- ✓ A1270B1 - EDH0411 (ESP302 - Start-Up Manual)
- ✓ EDH0412 (ESP302 - User Interface Manual)
- ✓ EDH0413 (ESP302 - Features Manual)
- ✓ EDH0414 (ESP302 - Programmer's Manual)

Snapshot ESP302-N200015 (January 2021)

Hardware

- ✓ ESP302
- ✓ Correct a bug in snapshot update with factory reset

Motion Kernel: *version 0.03b*

Host: *version 0.1.37*

LCD FrontPanel: *version 0.2.9*

Web site: *ESP302 2.4.0*

Stage data base: *V4.3.5*

Software drivers: *ESP302 Command Interface V1.0.2.0 (x64 and x86 Windows .NET)*

Manuals

- ✓ A1270B1 - EDH0411 (ESP302 - Start-Up Manual)
- ✓ EDH0412 (ESP302 - User Interface Manual)
- ✓ EDH0413 (ESP302 - Features Manual)
- ✓ EDH0414 (ESP302 - Programmer's Manual)

Snapshot ESP302-N200014 (December 2020)

Hardware

- ✓ ESP302

Motion Kernel: *version 0.03b*

- ✓ Correct a bug in OR HomeSearch after AP abort command.

Host: *version 0.1.37*

LCD FrontPanel: *version 0.2.9*

Web site: *ESP302 2.4.0*

Stage data base: *V4.3.5*

Software drivers: *ESP302 Command Interface V1.0.2.0 (x64 and x86 Windows .NET)*

Manuals

- ✓ A1270B1 - EDH0411 (ESP302 - Start-Up Manual)
- ✓ EDH0412 (ESP302 - User Interface Manual)
- ✓ EDH0413 (ESP302 - Features Manual)
- ✓ EDH0414 (ESP302 - Programmer's Manual)

Snapshot ESP302-N200013 (November 2020)

Hardware

- ✓ ESP302
- ✓ Update Bootloader

Motion Kernel: *version 0.03a*

- ✓ Add third parameter to BP command to control jog velocity
- ✓ Correct bugs in group trajectory to allow any tangent angle on first element
- ✓ Correct group trajectory HW command (wait time was ignored)
- ✓ Allow group motion for dummy axis

Host: *version 0.1.37*

- ✓ Correct a bug in programs execution that crashed the firmware
- ✓ Add Admin folder administrator rights
- ✓ Commands separated by semi-column send responses in one packet on port 5002

LCD FrontPanel: *version 0.2.9*

Web site: *ESP302 2.4.0*

- ✓ *Add factory reset feature in Update page to erase user space*
- ✓ *Add support of multi commands separated by semi-column in terminal page*
- ✓ *Add File-Configuration page for admin*

Stage data base: *V4.3.5*

- ✓ Refer to document *"ESP302-StageDataBaseHistory.pdf"*

Software drivers: *ESP302 Command Interface V1.0.2.0 (x64 and x86 Windows .NET)*

- ✓ *Correct bug in commands that return an hexadecimal value*

Manuals

- ✓ A1270B1 - EDH0411 (ESP302 - Start-Up Manual)
- ✓ EDH0412 (ESP302 - User Interface Manual)
  - *Add Web File-Configuration page description*
- ✓ EDH0413 (ESP302 - Features Manual)
- ✓ EDH0414 (ESP302 - Programmer's Manual)
  - *Add missing errors codes*
  - *Update BP command*

Snapshot ESP302-N200012 (July 2020)

Hardware

- ✓ ESP302

Motion Kernel: *version 0.02q*

- ✓ FR/SU/ZF/ZB : correct a bug in the commands in write mode
- ✓ ZH : default value of obsolete bit 5 is now 1
- ✓ SS : It is now possible to set an axis as his master to deactivate the master-slave.
- ✓ PA : error of PA? command corrected
- ✓ Add possibility to ignore smart stage content with empty SmartStageName in config file
- ✓ Correct a bug in open loop home search

Host: *version 0.1.35*

- ✓ Add new command YZ to configure commands echo and terminator
- ✓ Correct a bug in RS232 link that was not working when boot time was superior to 10 seconds
- ✓ Change /Admin/Config folder write permission for Administrator group
- ✓ Add LockConfig parameter in system.ini

LCD FrontPanel: *version 0.2.9*

Web site: *ESP302 2.3.2*

Stage data base: *V4.3.5*

- ✓ Refer to document *"ESP302-StageDataBaseHistory.pdf"*

Software drivers: *ESP302 Command Interface V1.0.1.0 (x64 and x86 Windows .NET)*

Manuals

- ✓ A1270B1 - EDH0411 (ESP302 - Start-Up Manual)
- ✓ EDH0412 (ESP302 - User Interface Manual)
  - *Add warning about default IP address*
- ✓ EDH0413 (ESP302 - Features Manual)
- ✓ EDH0414 (ESP302 - Programmer's Manual)
  - *Add warning about default IP address*

Snapshot ESP302-N200011 (Apr. 2020)

Hardware

- ✓ ESP302

Motion Kernel: *version 0.02m*

Host: *version 0.1.29*

LCD FrontPanel: *version 0.2.9*

Web site: *ESP302 2.3.2*

Stage data base: *V4.3.5*

- ✓ Refer to document *"ESP302-StageDataBaseHistory.pdf"*

Software drivers: *ESP302 Command Interface V1.0.1.0 (x64 and x86 Windows .NET)*

Manuals

- ✓ A1270B1 - EDH0411 (ESP302 - Start-Up Manual)
- ✓ EDH0412 (ESP302 - User Interface Manual)
- ✓ EDH0413 (ESP302 - Features Manual)
- ✓ EDH0414 (ESP302 - Programmer's Manual)
    - *Update with information about TCP port 5002 (§2.2.2) and ESP Configuration Logic (§5.0)*

Snapshot ESP302-N200010 (Apr. 2020)

Hardware

- ✓ ESP302

Motion Kernel: *version 0.02m*

- ✓ Correct a bug in EX commands first argument when no space before “,”

Host: *version 0.1.29*

- ✓ Add a separated stage database for OEM customers

LCD FrontPanel: *version 0.2.9*

- ✓ Remove LCD calibration button
- ✓ Correct a bug in motion settings for 1 or 2 axis controllers

Web site: *ESP302 2.3.2*

Stage data base: *V4.3.5*

- ✓ Refer to document *“ESP302-StageDataBaseHistory.pdf”*

Software drivers: *ESP302 Command Interface V1.0.1.0 (x64 and x86 Windows .NET)*

Manuals

- ✓ A1270B1 - EDH0411 (ESP302 - Start-Up Manual)
- ✓ EDH0412 (ESP302 - User Interface Manual)
- ✓ EDH0413 (ESP302 - Features Manual)
- ✓ EDH0414 (ESP302 - Programmer's Manual)

Snapshot ESP302-N200009 (Feb. 2020)

Hardware

- ✓ ESP302

Motion Kernel: *version 0.02k*

Host: *version 0.1.28*

LCD FrontPanel: *version 0.2.8*

Web site: *ESP302 2.3.2*

Stage data base: *V4.3.5*

- ✓ Refer to document *"ESP302-StageDataBaseHistory.pdf"*

Manuals

- ✓ A1270B1 - EDH0411 (ESP302 - Start-Up Manual)
- ✓ EDH0412 (ESP302 - User Interface Manual)
- ✓ EDH0413 (ESP302 - Features Manual)
- ✓ EDH0414 (ESP302 - Programmer's Manual)