

Firmware Update

Changelog



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BCN3D EMBEDDED OS (v1.1.0):

- Updated SigmaSBC version to v0.18.0.
- Updated Marlin FW version to v0.13.0.

EMBEDDED SOFTWARE (v0.18.0):

Features:

- Screen in Technical Service Mode with relevant autocalibration values to provide feedback about the piezo calibration.
- After every printjob, piezo machines will ask for a nozzle cleaning in order to improve future calibrations.
- Watchdog added to 'Adjusting temperatures' popup. After 80 seconds with no change in temperature percentage, it will suggest to perform an 'Autotune hotends'.
- Addons submenu added with 'Metal Pack' option for Epsilon machines.
- Activation of 'Metal Pack' enables hotend 'M' and filaments '316L' & '17-4PH'.
- If metal pack was activated, a screen ('Metal Pack Settings') is added in 'Add-ons, Metal Pack' where you can enable a cleaning routine with the metal brushes while printing (it works in single, duplication & mirror). You can also adjust the number of wipes and layers between cleanings.
- 'Metal Pack Settings' accessible while printing if one of the loaded materials is a metal filament (316L or 17-4PH).
- Added a network manager in 'Wireless Settings'. It shows all saved networks and allows you to delete the desired ones.

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Changes:

- Renamed name of '0.6X' hotend by 'X'.
- 'Autotune Hotends' process iterates the PID calculus for 10 times instead of 5 for a better temperature regulation

Bugfixes:

- 'Wired Settings' in manual connection method allows adding up to 4 nameservers.
- Old printjobs stored in the machine could overflow the embedded memory. They are now removed after finishing every print.
- Unit information sometimes did not show the loaded material.
- Going back from the Purge screen left the Y axis blocked and the temperatures high.

BCN3D MARLIN (v0.13.0):

Features:

- Added a routine to clean the nozzles while printing with metal filaments. This routine will lower the platform 1 mm while retracting 5 mm of filament, clean with the corresponding brush and then go back to printing position, raise the bed and purge. Available for single, duplication and mirror print modes.
- Added 'M670 E L W' to adjust metal cleaning settings. 'E' parameter enables the metal pack cleaning routine, 'L' adjusts the number of wipes and 'W' adjusts the number of layers between cleanings.

Changes:

- G715 which is called every new Z layer, also calls (if needed) the metal cleaning routine.