

FAQ's about Firmware Upgrading

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I want to know what firmware/mainboard does GT machine used

Printer	Mainboard	Firmware	Arduino support	Opensource
A10	GT2560	Base on Marlin	Yes	Yes
A30	GTM32	Smartto IAR	No	Yes
E180	GTM32	Smartto IAR	No	Yes
D200	GTM32	Smartto like	No	No
301/G2spro/G2pro	GTM32	Smartto like	No	No
Mecreator 2	GT2560	Base on Marlin	Yes	Yes
I3 series	GT2560	Base on Marlin	Yes	Yes

Table 1: Firmware Information Table

Note:

Marlin 1.0.x just supported by Arduino 1.0.5 and Marlin 1.1.8 supported by Arduino 1.8.5
Only A10 and Mecreator2 are support Marlin 1.1.8

I bought Geeetech 3D printer, I want to upgrade the original firmware

Here are some links to help users download the appropriate firmware and upgrade tools.

- Firmware List
Smartto project: <https://github.com/Geeetech3D/Smartto-IAR/tree/master/test/>
FTP server: <http://www.geeetech.com/firmware/>
- Firmware changelog
Smartto project: https://github.com/Geeetech3D/Smartto-IAR/blob/master/log/firmware_changelog.md
- Easyprint
FTP server: <http://www.geeetech.com/firmware/>
- Smartto Tools(firmware tool & motor tool)
Smartto project: <https://github.com/Geeetech3D/Smartto-Tool/>
- Arduino
Official: <https://www.arduino.cc/en/Main/Software>

Why Geeetech printer reboot when Smartto Tool or Easyprint 3D start to connect

Thats normal. It's a hardware setting that making serial port reset and let the printer enter boot/standard mode.

What does 'S' and 'M' in firmware file name mean

Ok, Someone may think that 'S' for Screen and 'M' for mainboard. That really makes sense. But at the beginning, 'S' for [Slave device](#)(mainboard) and 'M' for [Master device](#)(screen) in our mind.

I cannot upgrade my screen with Smartto Tool

```
Start to upload LCD...  
Error, updating failed! Details: Retry times is up to the limit!
```

Figure 1: Smartto Tool Error

That means the transmission began but tool cannot received any message from printer.

1. Make sure SD/TF card has been inserted into printer. The firmware file received from smartto tool would stored in that card.
2. Make sure your firmware file is completed. Please compare the code(MD5) we provide with the code generated from your downloaded file.

Download [Hash generator](#) and review [firmware changelog](#)

I am puzzled about the version information

Someone might tell you that you would see 1.26.36 in screen after you upgrade your machine with firmware file tagged V1.26.36.

In fact, That statement is not accurate.

1 is our edition code. 29 means the version of screen. 36 means the version of mainboard.

So when you upgrade from 1.26.36 with firmware file xxx_S.V1.29.41.bin, you will see the version change to "1.26.41".

"xxx_M.V1.29.41" means V29 firmware file for screen, it matchs V41 mainboard(or it should be supported by V41 mainboard)