Adjusting the PID

All firmware PID values have been updated when leaving the factory. If you change the hardware, such as the power of the hot bed, the heating power of the nozzle, etc., or if the ambient temperature changes, or the hardware displays a heating error, you need to adjust the heating PID value again.

Command head heating target: M303 E0 S260

(S260 is the head heating target temperature of 260°C. It can be set according to the printing materials. Reference value: PLA- 195 °C ABS-250 °C)

Command hot bed : M303 B S50

(S50 is the target temperature of the hot bed, which can be set freely according to the needs of the printed materials. Reference value: PLA- 50 °C ABS-80 °C)

Normal heating print waiting time (tested at 25 ° C during printing)

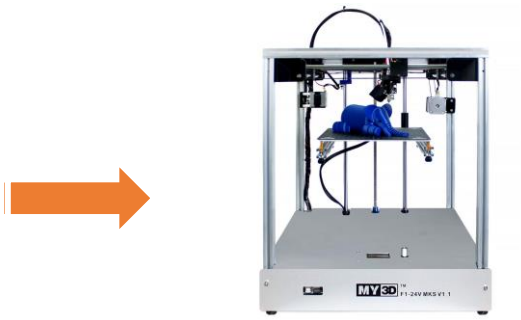
PLA heating head 195 ° C hot bed 50 ° C usually starts printing for 3-5 minutes

ABS heating head 260 ° C hot bed 80 ° C usually start printing 5-7 minutes

F1-A F1-B (24v 350w 110/220v) Power of hot bed: 250W Heating head power: 50w

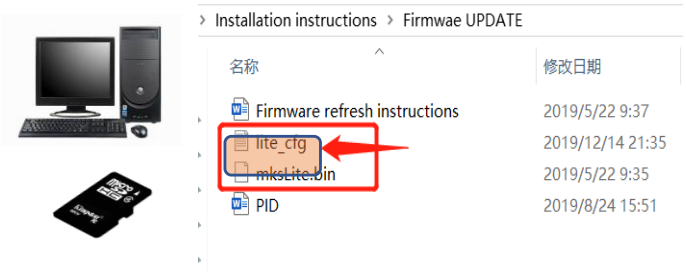
- First connect the pc and printer with usb cable

- PC computer to open the host computer software (repetierHost or Pronterface, etc.) to connect to the printer .



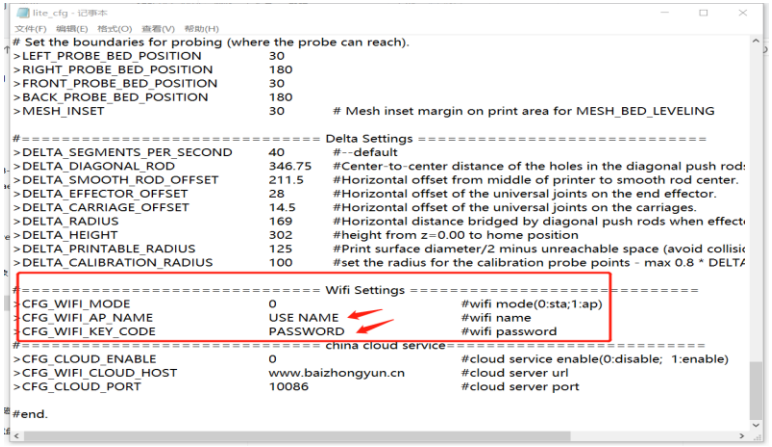
Pronterfac (http://www.pronterface.com/index.html#download)
or Repetier-Host (https://www.repetier.com/)

- Modify



1 Open the lite_cfg file with Notepad

Download the latest firmware
https://github.com/my3dltd/F1-MKS-V1.1-Firmware



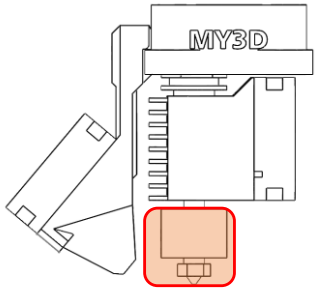
2 Modify the corresponding value
Such as motor direction PID, etc.

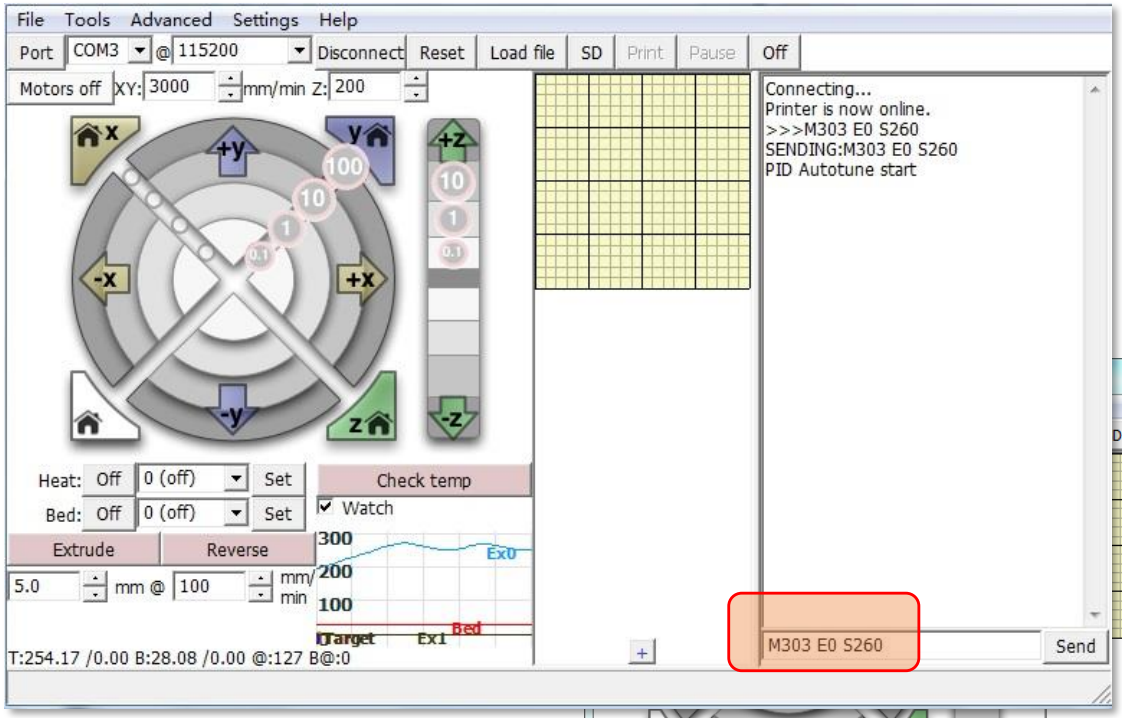
3 Copy the modified **lite_cfg** file and **mkslite.bin** to the TF card,
insert the 3D printer,
and then turn on the power switch again.
Will update automatically.

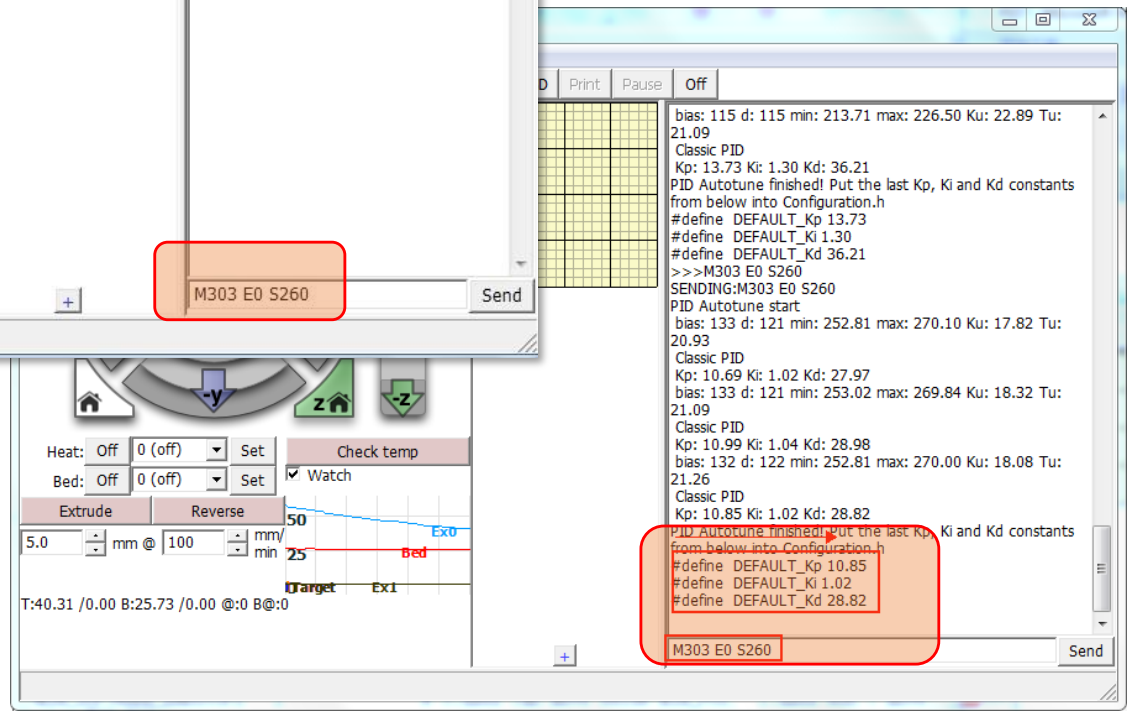
After the update, the files in the TF card are automatically invalidated (can be deleted) and can only be updated once.
If you need to update again. Need to re-copy the file into the TF card.

Heating head

Send the "M303 E0 S260" to the printer in the host computer software.

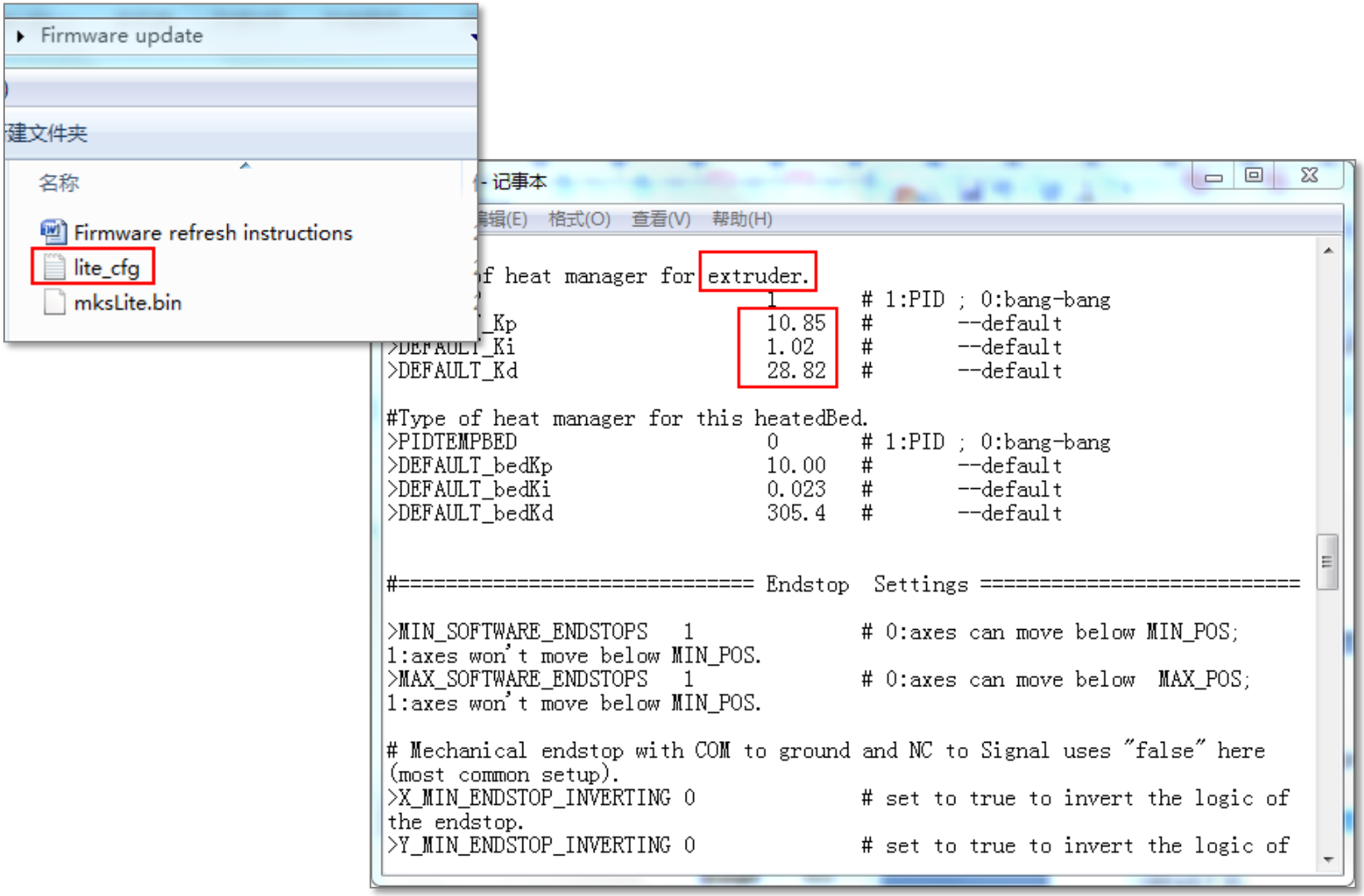






The waiting time usually takes a few minutes:

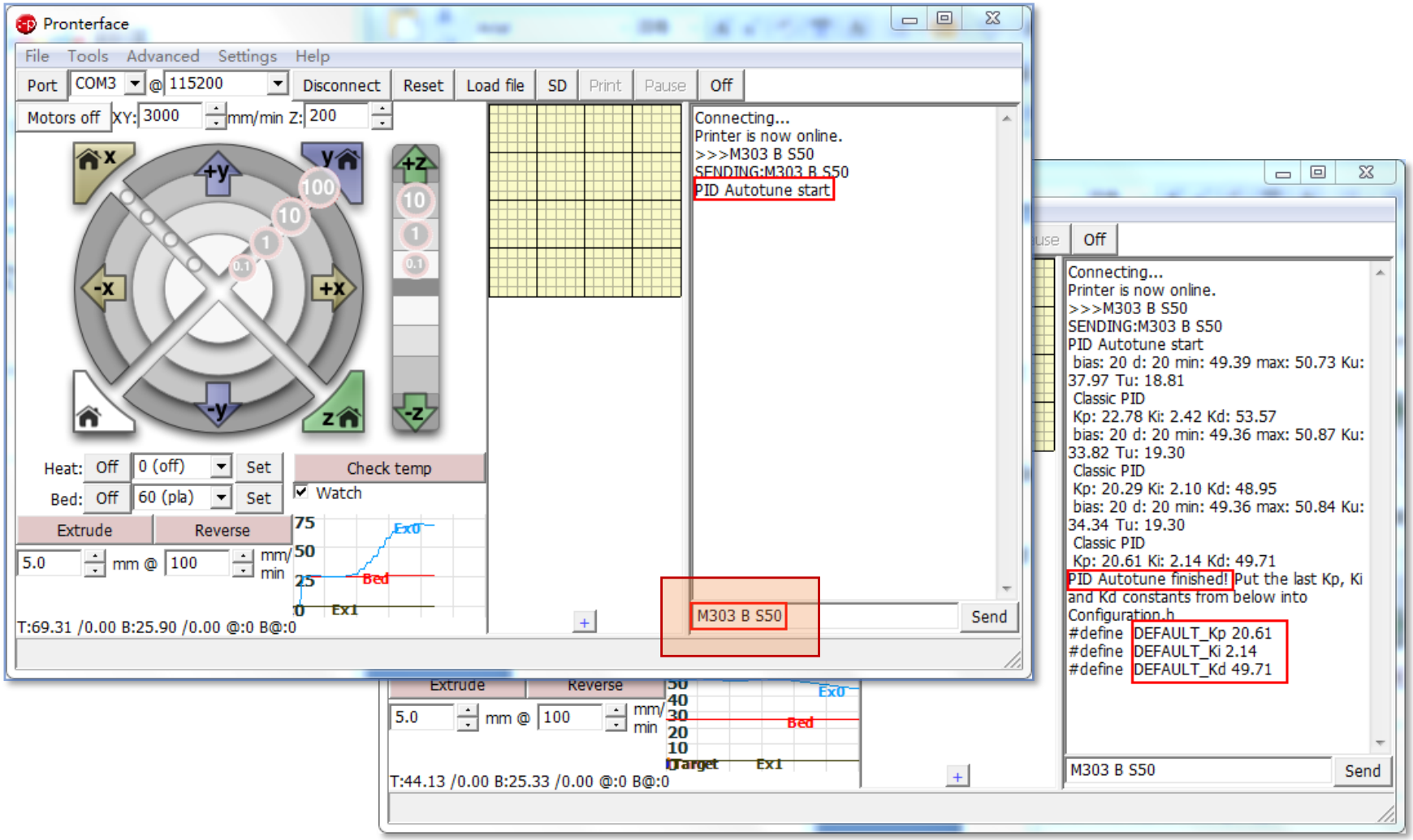
Write the **Extruder PID** parameter to the following part of the "lite_cfg.txt" file.

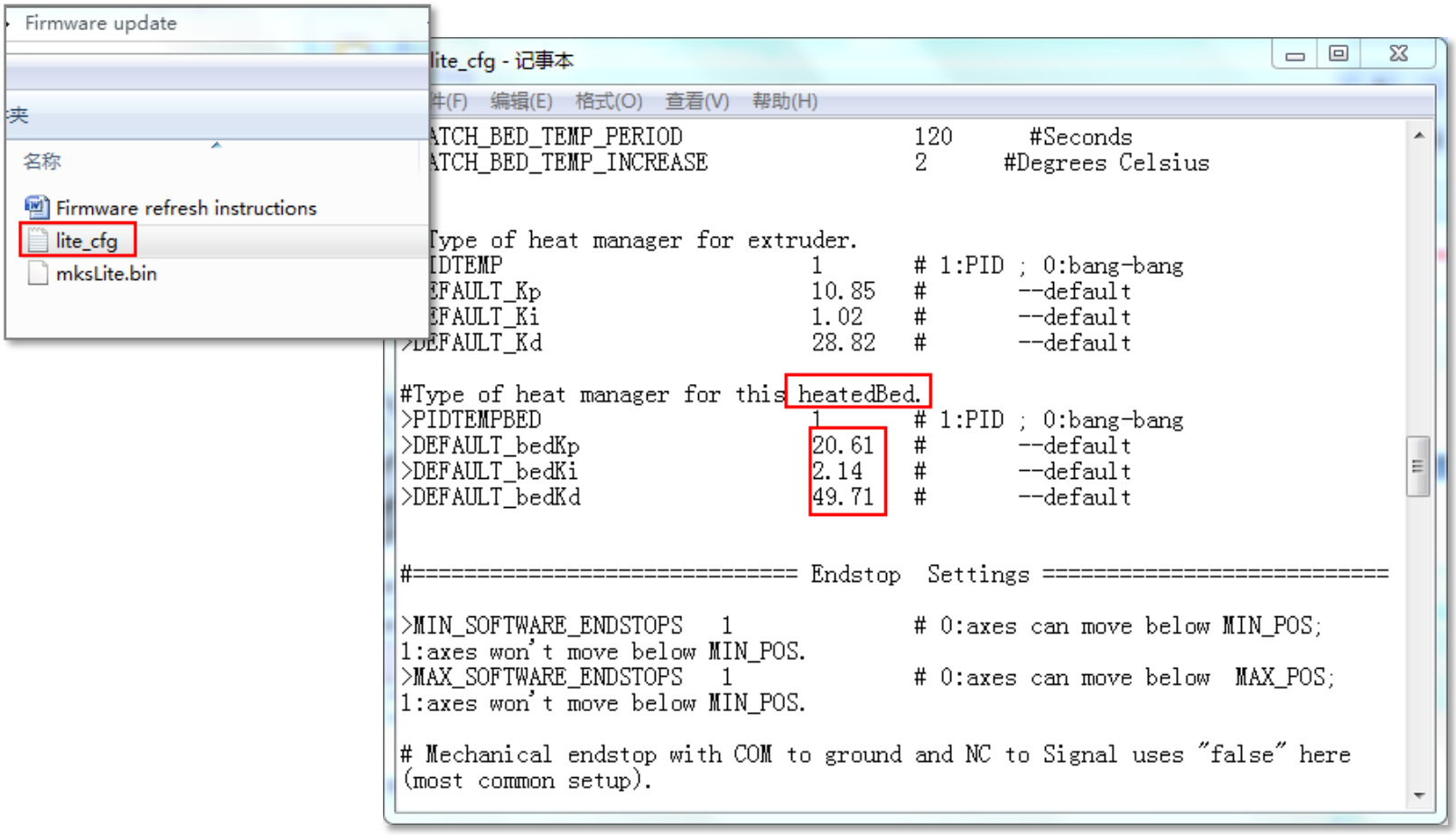


Hot bed PID adjustment method:

1. Send the command : M303 B S50

(S50 is the hot bed temperature, Example: PLA hot bed 50 ℃ ABS hot bed 80℃)





Congratulations
Set up successfully

MY 3D DIYMARIA

Any questions please contact us

my3dltd@163.com https://github.com/my3dltd/F1-MKS-V1.1-PID-SET

https://diymaria.aliexpress.com/store/2092087