

Burn and update firmware

The firmware has been burned out of the Maix Bit and can be used normally, but the may be factory firmware is not the latest.

We recommend burning the latest firmware to support the latest functions.

Here we take the burning **maixpy_v0.5.0_31_gd3e71c0.bin** firmware as an example.

1. Download latest firmware

MaixPy website: <https://cn.dl.sipeed.com/MAIX/MaixPy/release/master/>

#	Name	Size	Modified	Download Count
1	maixpy_v0.5.0_29_g97fad3a	—	9 days ago	—
2	maixpy_v0.5.0_31_gd3e71c0	—	9 days ago	—
3	maixpy_v0.5.0_20_ga85ccb0	—	18 days ago	—
4	maixpy_v0.5.0_22_g7ac6b09	—	18 days ago	—
5	maixpy_v0.5.0_19_g64e411a	—	a month ago	—
6	maixpy_v0.5.0_14_g9e3d8af	—	a month ago	—

By default, it is not sorted by time. Click [**Modified**] above to sort by time. We click on the latest version: **maixpy_v0.5.0_31_gd3e71c0**

#	Name
1	elf_maixpy_v0.5.0_31_gd3e71c0.7z
2	maixpy_v0.5.0_31_gd3e71c0_with_lvgl.bin
3	maixpy_v0.5.0_31_gd3e71c0_minimum_with_ide_support.bin
4	maixpy_v0.5.0_31_gd3e71c0_minimum.bin
5	maixpy_v0.5.0_31_gd3e71c0_m5stickv.bin
6	maixpy_v0.5.0_31_gd3e71c0.bin

v0.5.0_31 version include following 6 files.

elf_maixpy_v0.5.0_31_gd3e71c0.7z: Used for crash debugging, generally not needed;
maixpy_v0.5.0_31_gd3e71c0_with_lvgl.bin: Contains embedded graphics library lvgl;
maixpy_v0.5.0_31_gd3e71c0_minimum_with_ide_support.bin : Support the minimum firmware version of IDE;
maixpy_v0.5.0_31_gd3e71c0_minimum.bin: MaixPy firmware minimum set, no support MaixPy IDE, no include OpenMV related algorithms;
maixpy_v0.5.0_31_gd3e71c0_m5stickv.bin: m5stickv firmware, we don't need to use it;
maixpy_v0.5.0_31_gd3e71c0.bin: For the full version of MaixPy firmware, we only need to download this file.

If you want to view source code, open following website

<https://github.com/sipeed/MaixPy>

2. Download the burning tool

The burning software needed for this burning is kflash_gui, open the Github download URL:
https://github.com/sipeed/kflash_gui/releases

v1.5.5

Pre-release

v1.5.5

475a291

Compare ▾

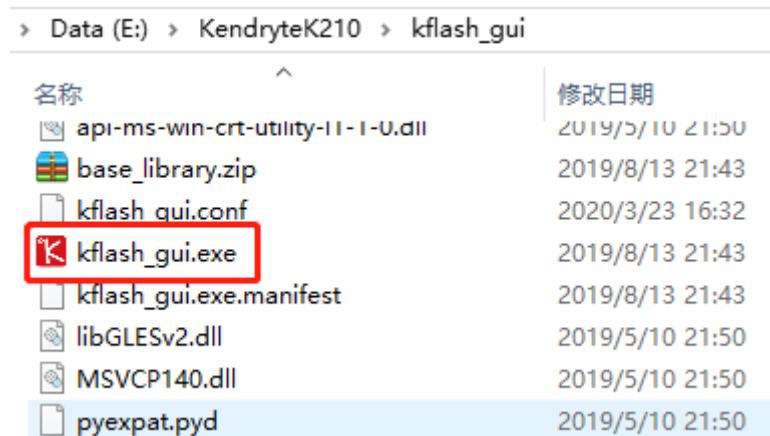
Assets 4

- kflash_gui_v1.5.5.7z 18.5 MB
- kflash_gui_v1.5.5.tar.xz 43.1 MB
- Source code (zip)
- Source code (tar.gz)

We need to select the current latest version (v1.5.5), click [Assets] to display the download item, Window users should select the file **kflash_gui_v1.5.5.7z**.

After download is complete, we need to extract the file, for example,
E:\KendryteK210\kflash_gui.

We can double-click to run **kflash_gui.exe**.



After opening, you can see the following interface, click 'Open File' and select the firmware you just downloaded: **maixpy_v0.5.0_31_gd3e71c0.bin**. Make sure that the color on the left side is green.

Board settings

Board: 'Sipeed Maix Dock',

Burn to: 'Flash'.

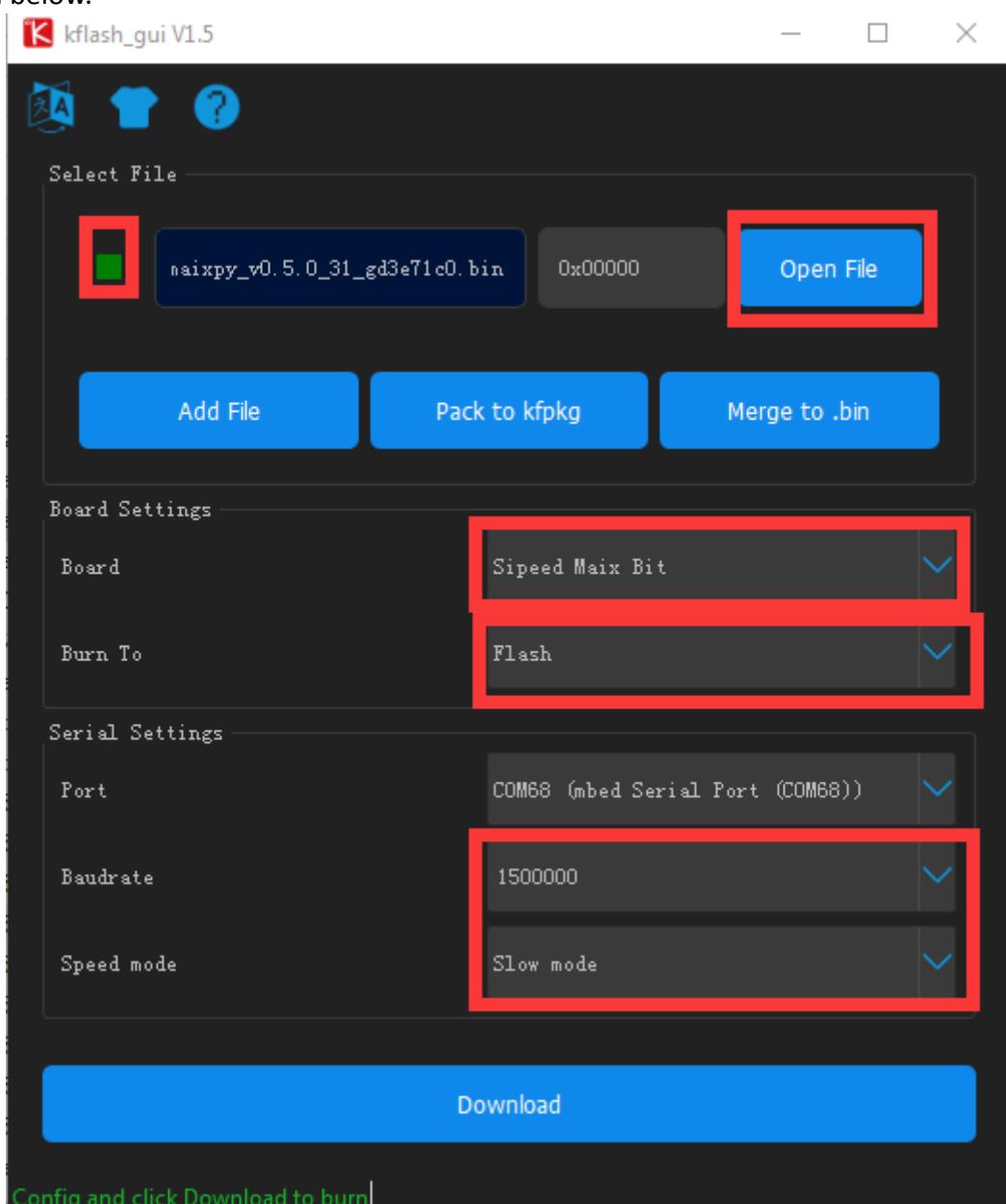
Serial settings

Port: Select the serial port number corresponding to the Dock,

Baudrate: '1500000'

Speed mode: 'Slow mode'

As shown below.



Finally, click 'download'.

Wait for the download to complete, click 'OK'. And you can close the **kflash_gui** software.