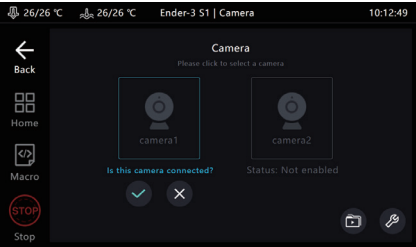
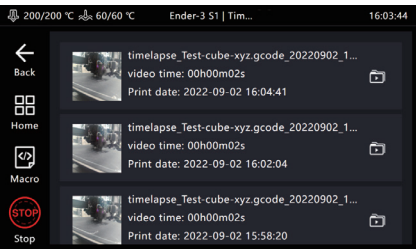


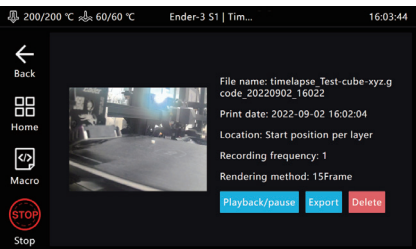
4. Click Connect automatically after activation, the camera will be enabled when the Creality Sonic Pad is powered on. Click to enable time lapse video, and the camera will shoot the printed model according to the set number of layers and rendering methods. After the shooting is completed, a time lapse video file will be automatically generated. Click the  icon in the lower right corner to view.



5. Enter the time lapse video file storage folder, it will display the file thumbnails and print information, click the display list  to enter the file management mode.



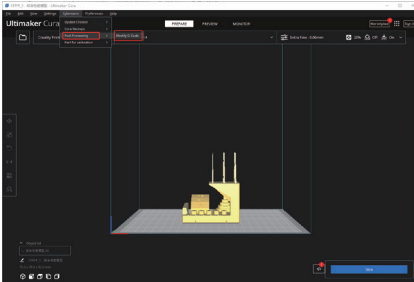
6. Enter the file management mode, you can choose to play, share, export and delete videos.



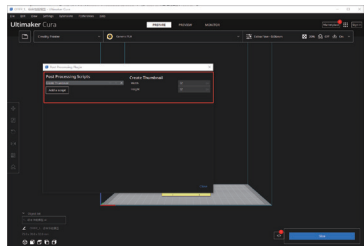
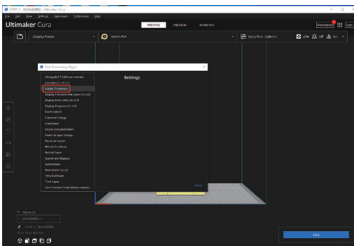
10. Slicing software displays previews and thumbnails

1. Ultimaker Cura 5.1.0

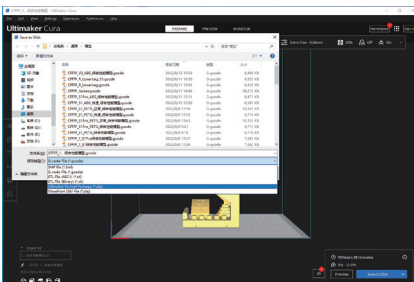
1.1 Add thumbnails on Ultimaker Cura 5.1.0, select "Extensions" - "Post Processing" - "Modify G-code".



1.2 After entering, select the post-processing script shown in the figure ("Add a script"->"Create Thumbnail"), and a red dot will appear in the post-script prompt box next to the slice button.

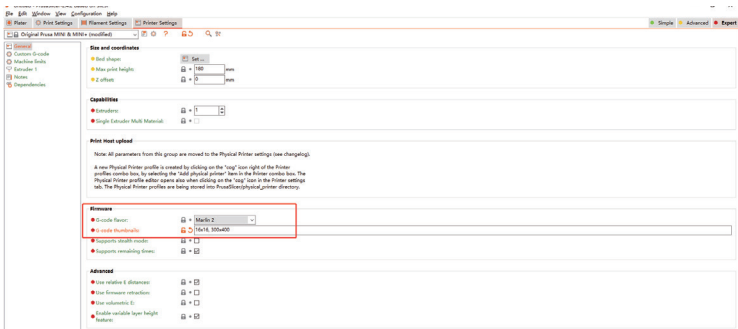


1.3 After the slicing is completed, export it in upf format and upload it using a U disk or WEB terminal. The Sonic Screen will automatically produce a sliced G-code file with a preview image.



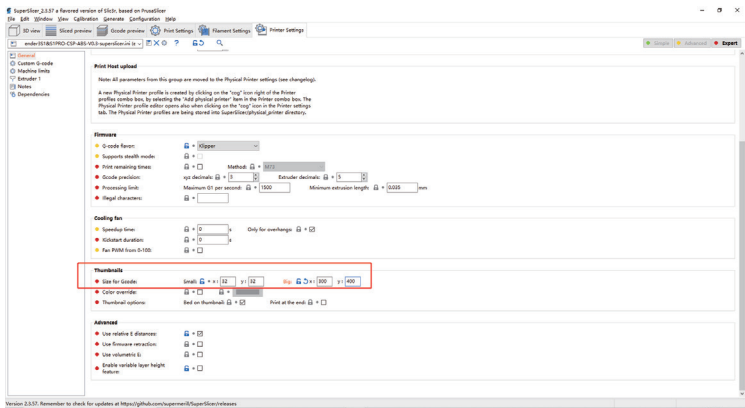
2. PrusaSlicer 2.4.2

2.1 Added thumbnails and previews on PrusaSlicer 2.4.2. In "Expert" mode, you can add a custom-sized thumbnails and previews in "Printer Settings"- "Firmware"- "G-code thumbnails".

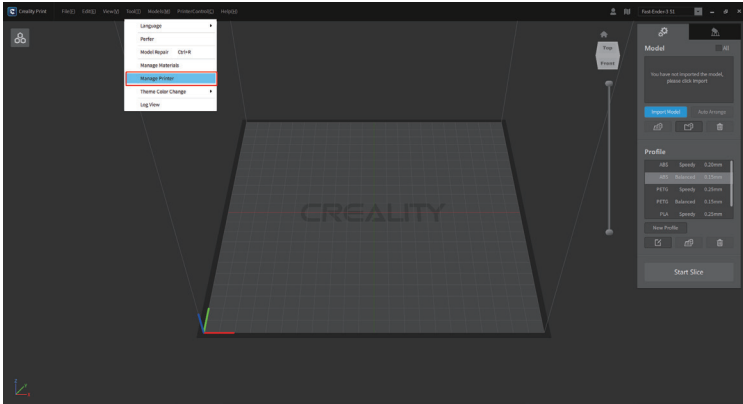


3. SuperSlicer 2.3.5

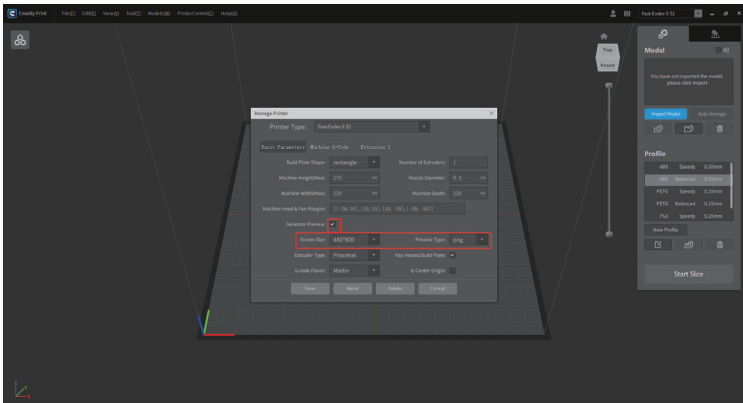
3.1 Added thumbnails and previews on SuperSlicer 2.3.57. In expert mode, you can add custom size thumbnails and previews in "Printer Settings" - "Thumbnails" - "Size for gcode".



4.1 Add thumbnails and preview images on Creality Print, select "Tool" - "Manage Printer" to enter the printer management interface.



4.2 In the printer management interface, check "Generate preview", and select the preview image size to add a preview image of a custom size.



11. Adaptation of other printers

1. Printer Firmware Compilation

Please download the firmware compilation guide on the official website:

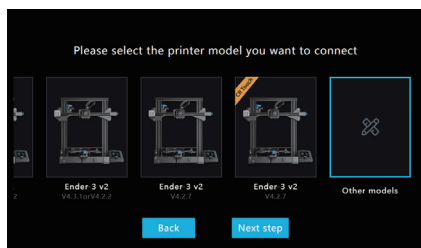
<https://www.creality.com/pages/download> → Ecosystem

For firmware compilation environment construction, please refer to the video tutorial:

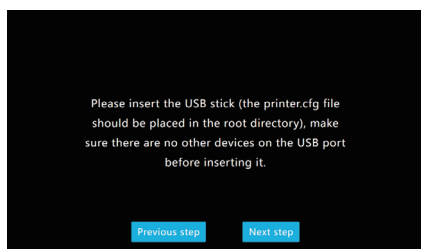
<https://www.creality.com/pages/download> → Ecosystem

2. User-defined printer usage process

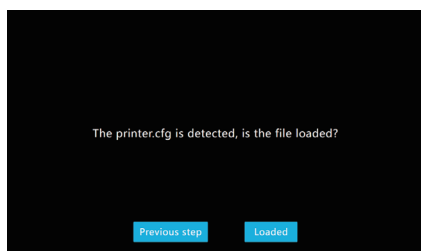
2.1 Refer to the "User-defined Printer Firmware Compilation Guide", compile the firmware and write the configuration file by yourself. After the preparation is complete, when you select a printer by One-touch change, select another printer.



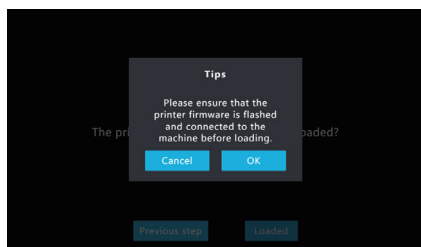
2.2 The printer needs to flash the self-compiled firmware first, then save the corresponding configuration file Printer.cfg into the USB drive, insert the Creality Sonic Pad, and click Next step.



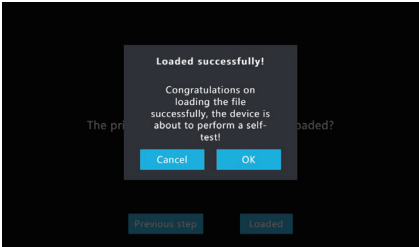
2.3 After the configuration file is detected, click Loaded to load the configuration file.



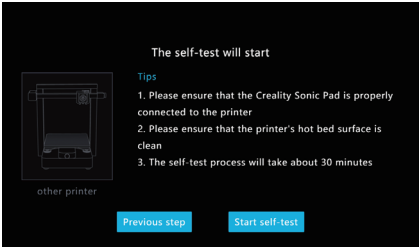
2.4 At this point, a pop-up window will prompt you to ensure that the printer firmware has been flashed and connected to the machine.



2.5 Make sure the printer firmware has been flashed and connected to the machine, click OK, Creality Sonic Pad will load the configuration file and prompt for self-test.

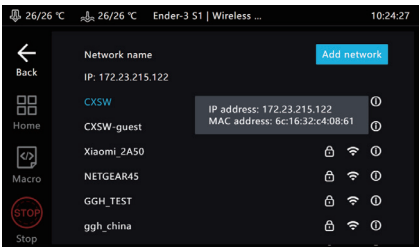


2.6 Click Start self-test to enter the self-test process. For the self-test process, please refer to the self-test process of "First Use" to guide the installation.

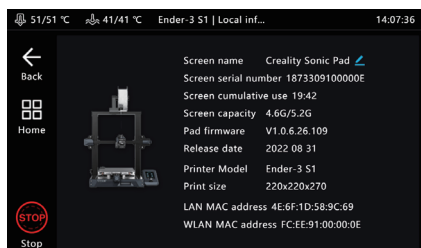


12. The use of WEB operation terminal

1. Obtaining the IP address of the Creality Sonic Pad
Enter "Configure - Network Settings - Wireless Network/Wired Network" to obtain the current LAN IP address of the Creality Sonic Pad.

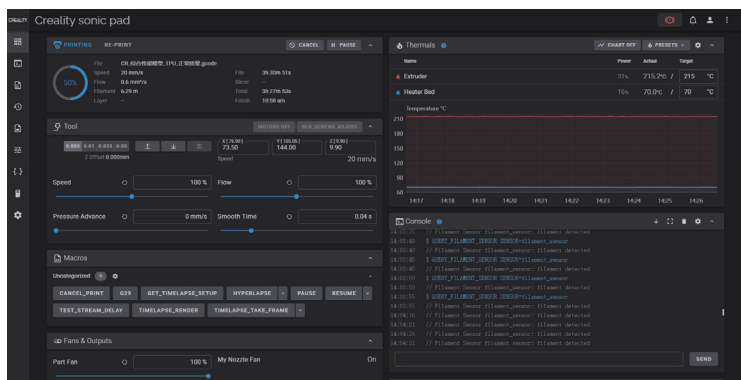


2. Obtaining the serial number (DN number) of the Creality Sonic Pad screen.



3. Open the web browser console.

Make sure that the PC and the Creality Sonic Pad are in the same local area network, enter the obtained IP address of the Creality Sonic Pad into the browser, or the local area network domain name spad-DN.local (DN is the first four digits of the screen DN number). (Example: <http://172.23.214.236> or <http://spad-8888.local>)



13. FAQ

Please visit the official website for more solutions to common problems:
https://www.creality.com/pages/faq?spm=..page_1934481.header_1.1 → Ecosystem

● Failed to upgrade online

1. Check whether the network is normal, and the upgrade package can be downloaded only if the network is normal;
2. If it prompts "download failed" when the network is normal, please check whether the storage of Creality Sonic Pad is more than 500MB. If the storage is insufficient, please try to clean up some of the slice files or time-lapse video files to ensure that the available space is more than 500MB before trying to upgrade.
3. If it still prompted with "upgrade failed" when the network is normal and the available storage is sufficient, please contact the after-sales service.

● Abort printing during printing

1. Check that the printer is properly connected to the Creality Sonic Pad.
2. Check whether the power connection of the Creality Sonic Pad and the printer is normal.

● Time-lapse photography did not shoot successfully

1. Enter configuration-camera to see if there is a real-time image, if there is no real-time image, it should be turned on first;
2. Confirm that the camera is a general-purpose USB camera, and the real-time screen has been turned on;
3. Enter Configure - Local Information to check whether the available storage is insufficient;
4. Check whether the time-lapse video has been turned on and whether the frequency of the time-lapse video is set correctly. (the frequency should be less than the number of slice layers)

● Where should the vibration sensor be placed when resonance compensation is automatically detected? Are there any orientation requirements ?

The vibration sensor should be installed on the hotend . You can print the bracket which the model file provided by Creality, and then use the screws to fasten the sensor to the bracket without direction requirement.

● Printed model with poor edge quality. What are the appropriate acceleration and speed settings when slicing?

You can refer to the slicing software configuration parameter suggestions provided by Creality. The default supported printers (Ender-3 V2 / Ender-3 S1 / Ender-3 S1 Pro) can directly import the corresponding parameter configuration files in the slicing software.

● How to configure the file to be compatible with filament run-out detection function ?

add in config file

```
[filament_switch_sensor filament_sensor]
```

```
pause_on_runout: true
```

```
switch_pin: ^!PC15
```

Notice! switch_pin needs to be confirmed as the connection PIN for the filament run-out sensor

● Can't connect to the printer successfully

1. Check whether the printer is powered on;
2. Check if the printer is flashing the correct firmware version;
3. Check whether the configuration file matches correctly;
4. Check whether the USB connection is stable.
5. Check whether the current version of the Creality Sonic Pad software is the latest version.

● Abnormal reading of U disk

1. Check whether the USB drive is normal, insert the USB drive into the computer, try to repair the USB drive file system or format, or replace the USB drive and try again;
2. Check whether the USB interface is normal, and try another USB interface;
3. If the card reader is used, please try to replace the card reader (or memory card) to determine whether the function is normal.

● The print is misplaced

1. Check whether the X, Y axis motors are normal, and whether the belt is loose;
2. Confirm whether the slicing printing speed and acceleration exceed the normal range of the printer, and adjust the printing speed and acceleration appropriately. (refer to the slicing parameters provided by Creality)

● Severe stringing when printing

Check whether the relevant parameters of the slicing file match the connected printer model, such as whether to enable retraction, retraction distance, retraction speed, printing speed and other parameters. If they do not match, you need to re-adjust the parameters and re-slicing.

● Can't connect to Wi-Fi network

1. Try to search for other Wi-Fi and connect to confirm whether it can be connected normally (the current device supports WPA2 encryption method, but does not support WPA3, and only supports the 2.4G frequency band);
2. Check the correctness of the password and whether the router is normal.

● How to transfer the time-lapse photography files to PC ?

1. Download from fluid: Open the WEB page of the device in a PC browser (refer to the instruction manual), and download it under the time-lapse photography menu;
2. Download via USB drive: Insert the USB drive, click the "Export" button on the video details page (Configure-Camera-Timelapse video), export the video file to the USB drive, and then copy it from the USB drive to the PC.

● The camera can't be used normally after it is connected ?

1. The Creality Sonic Pad loads the camera device by default; if the camera is plugged in after booting, after selecting and enabling the camera, the camera will display enabled, wait for 2 minutes before the screen appears (sometimes need to switch pages), or after inserting the camera, the screen will appear after restarting the Creality Sonic Pad;
2. Some cameras are customized cameras, which are not output in YUV and Mjpeg formats. Try to replace the camera and use it again;
3. Pull out the camera and use a U disk to check whether the USB is normal. If it is not normal, please contact the after-sales service.

- **How to compile firmware and modify configuration files for non-default printers ?**

Please refer to the printer adaptation guide link.

- **What should I do if the Ender-3 V2 cannot be connected during the booting operation or one-touch change?**

The model should be selected according to the actual situation when booting up or one-touch change. The motherboard version needs to be disassembled to check, and the corresponding relationship between the four choices of Ender-3 V2

a.[CR Touch logo in the upper left corner of the model diagram]Ender-3 V2 (V4.3.1 or V4.2.2)----Corresponding to the model with CR Touch installed, the motherboard version is V4.3.1 or V4.2.2

b.Ender-3 V2 (V4.3.1 or V4.2.2) ----Corresponding to the model without CR Touch installed, the motherboard version is V4.3.1 or V4.2.2

c.Ender-3 V2 (V4.2.7) ----Corresponding to the model without CR Touch installed, the motherboard version is V4.2.7

d.[CR Touch logo in the upper left corner of the model diagram]Ender-3 V2 (V4.2.7) ----Corresponding to the model with CR Touch installed, the motherboard version is V4.2.7

- **The SD card is inserted into the printer, but the corresponding file cannot be found in the Creality Sonic Pad?**

Please save the file in a USB disk and insert it into the Creality Sonic Pad USB interface to read the corresponding file.

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.



Join the Facebook Community

<https://www.facebook.com/groups/sonicpad>

+86 755 3396 5666

cs@creality.com



SHENZHEN CREALITY 3D TECHNOLOGY CO., LTD.

Add : 18F, JinXiuHongDu Building, Meilong Blvd., Longhua Dist., Shenzhen, China 518131

Official Website: www.creality.com

Tel: +86 755-8523 4565

E-mail: info@creality.com cs@creality.com

MADE IN CHINA



Creality Sonic Pad 使用说明书



感谢您选择创想三维的产品。为了您使用方便，请您在使用之前仔细阅读本说明书，并严格按照说明书的指示进行操作。创想三维团队时刻准备为您提供优质的服务。在使用过程中无论遇到什么问题，请按照说明书结尾所提供的电话、邮箱与我们进行联系。

您还可以登陆创想三维官网 (www.cxsw3d.com) 寻找相关软硬件、联系方式、设备操作、设备保养等信息。

目录

一. 产品说明	01
二. 包装清单	01
三. 接口及按键说明	02
四. 运行注意事项	03
五. 首次使用	03
六. 日常使用	07
七. 系统升级	10
八. 高级设置	11
九. 延时摄影	14
十. 切片软件显示预览图和缩略图	16
十一. 自定义机型适配	18
十二. WEB操作端的使用	20
十三. FAQ	22

一. 产品说明

Creality Sonic Pad 通过USB数据线连接FDM 3D打印机后，变为打印机工作的核心系统。

硬件规格

CPU	T800
运行内存	2GB
存储内存	8GB
USB 2.0 接口	4
屏幕分辨率&尺寸	1024x600 & 7 Inch
WIFI 协议	IEEE 802.11b/g/n
LAN 口	100M
Gsensor 接口	PS/2
电源接口	DC 2.5
输入电压	12V

二. 包装清单



1. 主机 x1
2. 12V电源适配器（含转接头）x1
3. G-sensor 数据线 x1
4. G-sensor x1
5. USB连接线 x1
6. U盘 x1
7. MicroUSB 转 MiniUSB x1
8. MicroUSB 转 Type-C x1
9. 说明书 x1
10. 螺丝包 x1

三. 接口及按键说明





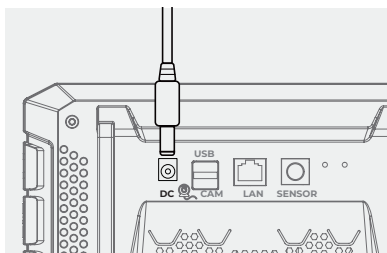
四. 运行注意事项

1. 请严格按本说明书使用产品，避免造成意外的人身伤害和财产损失；
2. 请将本机放置在通风、阴凉、少尘的环境中，远离易燃易爆物或高热源环境；
3. 请使用本机附带的电源适配器，防止造成机器损坏；
4. 请勿将本产品放置在震动或者其它不稳定的环境中；
5. 请定期在断电的情况下用干布对机身做清洁；
6. 使用者应遵守设备所在地国家、地区法律法规，恪守职业道德，注意安全，严禁将我司的产品或设备使用在任何非法用途上。如有违反，产生的相关法律责任我司概不负责。

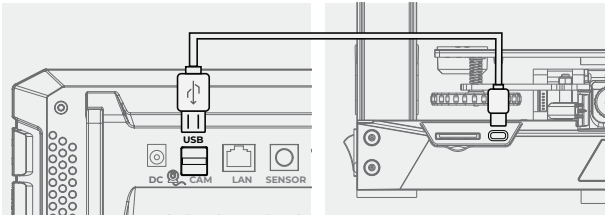
五. 首次使用

1. 设备连接

- 1.1 先连接Creality Sonic Pad电源线，再将适配器接入AC110V/220V。



1.2 USB数据线一端连接Creality Sonic Pad USB接口，另一端连接3D打印机（请选择相应打印机的转接头）。

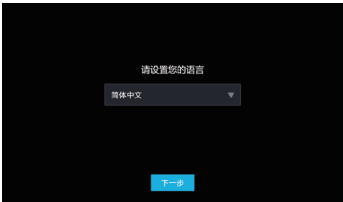


2. 开机设置

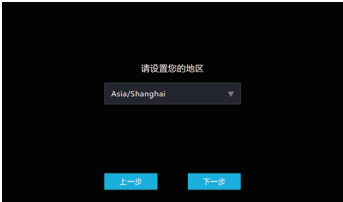
连线完成后，按下Creality Sonic Pad电源按键，进入开机引导操作（按引导指示顺序进行产品配置）。



2.1 开机画面



2.2 选择语言



2.3 选择地区



2.4.1 网络设置（此步骤可跳过）



2.4.2 添加网络（接上一步，跳过则无此步骤）



2.4.3 网络连接完成（接上一步，跳过则无此步骤）



2.5 隐私政策，用户阅读同意后点击下一步。



2.6 设备重命名。

2.7 打印机固件烧录

2.7.1 选择机型（用户需要拆开打印机查看主板芯片型号）。



2.7.2 以Ender-3 S1机型为例,选择机型后进入刷机引导页面，请自行准备读卡器及存储卡，用于打印机刷机使用。



2.7.3 将固件写入SD/TF卡，然后将SD/TF卡插入打印机后，点击下一步。

