CREALITY

V2.0

Creality Sonic Pad
User Manual

SHENZHEN CREALITY 3D TECHNOLOGY CO., LTD.

Thank you for choosing our prodcuts. For the better experiecne, please read the entire instruction before operating the product. Our teams will always be ready to provide you the best service. Please contact us by phone or email provided at the end of this document if you encounter any problem with our product.

In addition, you can visit our official website at www.creality.com to find relevant software/hardware information, contact details, operation, and warranty instructions.

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1. Product Description

When the Creality Sonic Pad is connected to the FDM printer via a USB cable, it becomes the core system of the printer.

Hardware Specifications

CPU	T800
RAM	2GB
ROM	8GB
USB 2.0 interface	4
Screen resolution & size	1024x600 & 7 Inch
Wi-Fi protocol	IEEE 802.11b/g/n
LAN interface	100M
Gsensor interface	PS/2
Power interface	DC 2.5
Input voltage	12V

2. Packing list

1. Creality Sonic Pad x1

2. 12V power adapter (including adapter) x1

3. G-sensor data cable x1

4. G-sensor x1

5. USB cable x1

6. USB drive x1

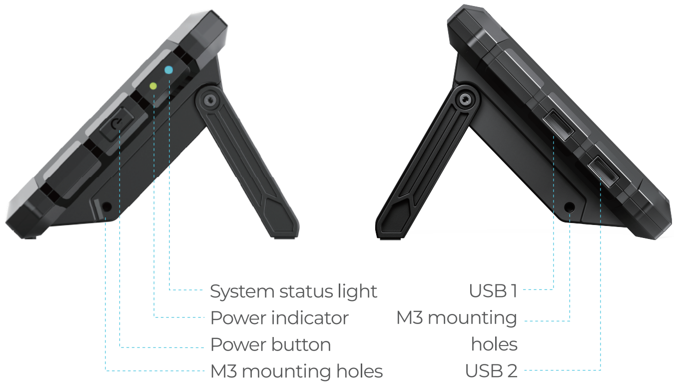
7. MicroUSB to MiniUSB connector x1

8. MicroUSB to Type-C connector x1

9. Instructions x1

10. Screw Pack x1

3. Interface and button description



4. Operation Precautions

1. Please use the product strictly in accordance with this manual to avoid personal injury and property damage.

2. Do not place the machine near any heat source or flammable or explosive objects. We suggest placing it in a well -ventilated, low-dust environment.

3. Please use the power adapter that comes with the machine to prevent damage to the machine.

4. Do not place this product in a vibration or unstable environment.

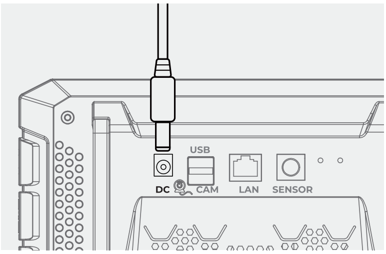
5. Please power off to clean the product regularly.

6. Users should comply with the laws and regulations of the corresponding countries and regions where the equipment is located (used), abide by professional ethics, pay attention to safety obligations, and strictly prohibit the use of our products or equipment for any illegal purposes. Creality will not be responsible for any violators' legal liability under any circustance.

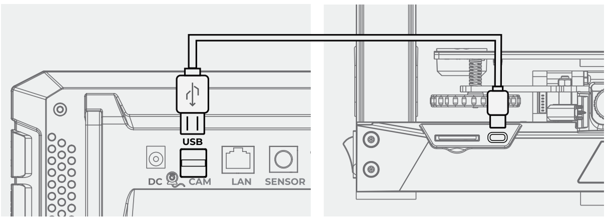
5. First use

1. Device connection

1.1 Connect the Creality Sonic Pad to the AC110V/220V power supply using the power adapter.



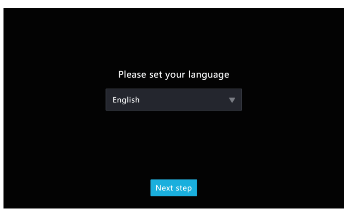
1.2 Connect the Creality Sonic Pad and 3D printer with a USB cable to your printer (Use the correct adapter if necessary).



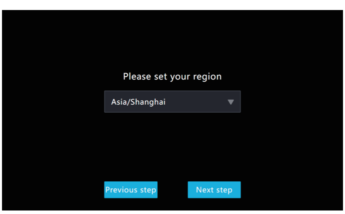
2. Boot Settings

After the connection is completed, press the power button of the Creality Sonic Pad to enter the boot-up operation (follow the order of the guide instructions to configure the product).

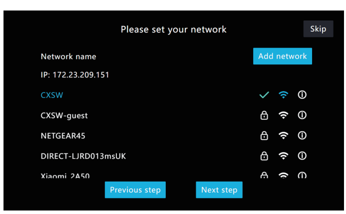
2.1 Startup screen



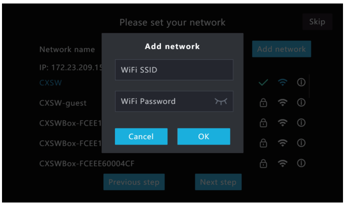
2.2 Select language



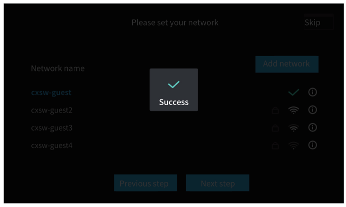
2.3 Select region



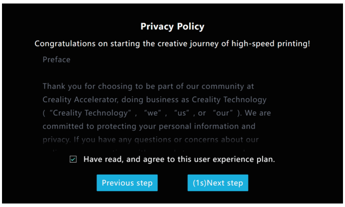
2.4.1 Network settings (optional)



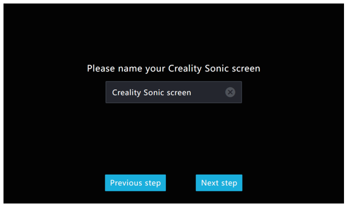
2.4.2 Add a network(optional)



2.4.3 The network connection is completed(optional)



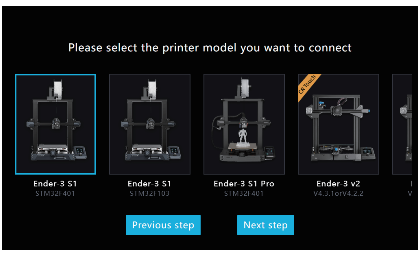
2.5 Privacy setting, click next after reading and agree by selecting the checkbox



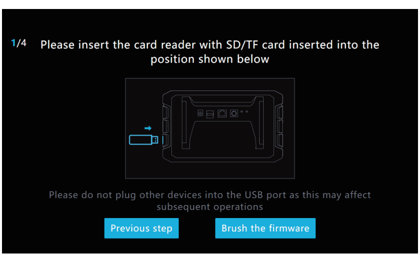
2.6 Device Rename

2.7 Printer firmware flashing

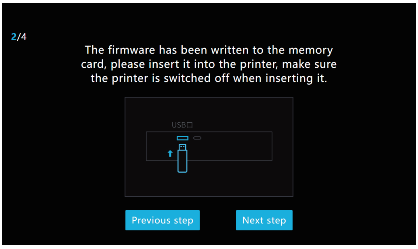
2.7.1 Select printer model(users need to open up the printer to check the mother-board chip model.



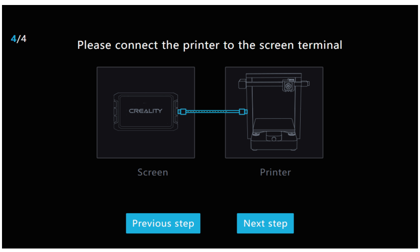
2.7.2 Taking the model Ender-3 S1 as an example, after selecting the model, you will enter the flashing guide page. Please prepare a card reader and memory card for the printer flashing.



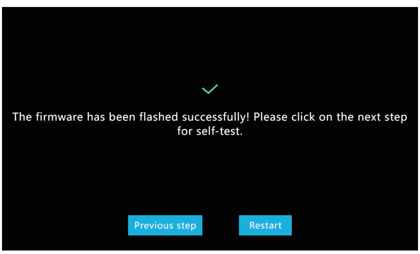
2.7.3 Write the firmware to the SD/TF card, then insert the SD/TF card into the printer, click Next step.



2.7.4 After the printer is powered on, the Creality Sonic Pad will automatically connect to the printer. (the firmware in SD/TF will be automatically flashed after the printer is powered on)

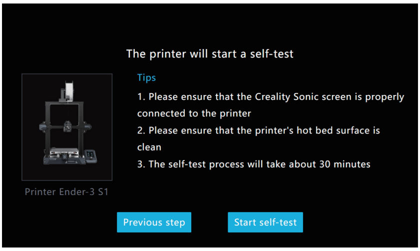


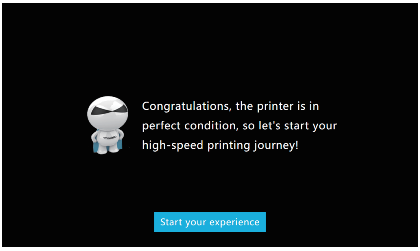
2.7.5 After the printer firmware is flashed, click Restart.



3. Functional self-check

After the printer firmware is flashed, the Creality Sonic Pad will automatically restart the printer. After restarting, it will enter the function self-test and follow the on-screen instructions. After the self-test is completed, click Experience Now, the screen will save the relevant user configuration, and the system will be reloaded. After entering the Home page, you can start using this product.

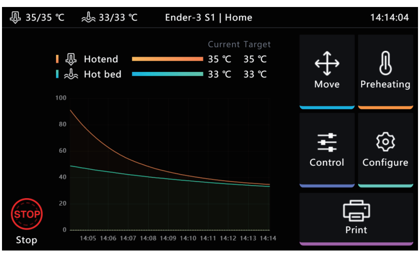




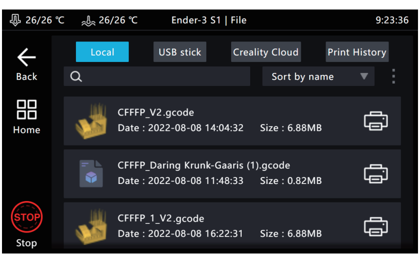
6. Daily use

1. Print

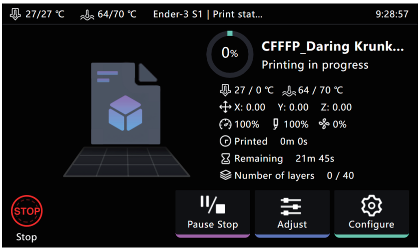
1.1 Enter the Home page and click "Print".



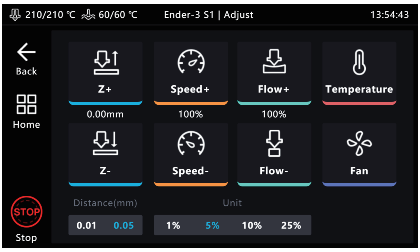
1.2 Select the gcode file saved locally or in the USB drive, click on the  to print the file.



1.3 Enter printing interface, the printer starts to print, and the screen will display printing information such as estimated time.

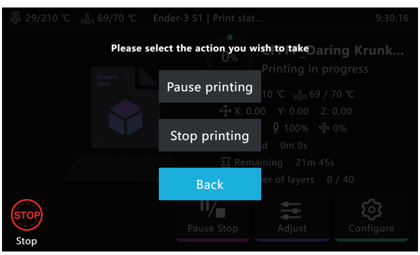


1.4 Parameters can be adjusted during the printing process, the specific parameters are shown in the figure.

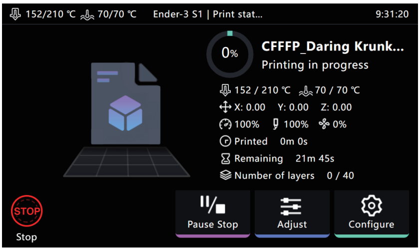


Note: Parameter adjustment can only be performed after the printer starts printing, and cannot be adjusted during the preparation process (such as heating).

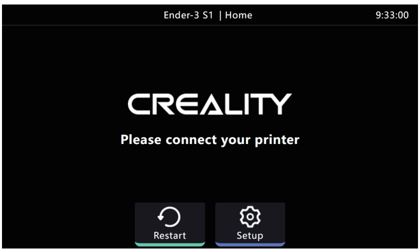
1.5 During the printing process, you can choose to Pause/Stop printing. It can resume after pause, but it will exit the printing interface and go back to Home page if you stop printing.



1.6 If you need to terminate the print process, you can click 



1.7 Creality Sonic Pad will jump to the following interface after Emergency Stop, you need to manually click Restart to restore the connection.



2. Slicing file management

2.1 Enter the gcode selection page and perform the following operations.

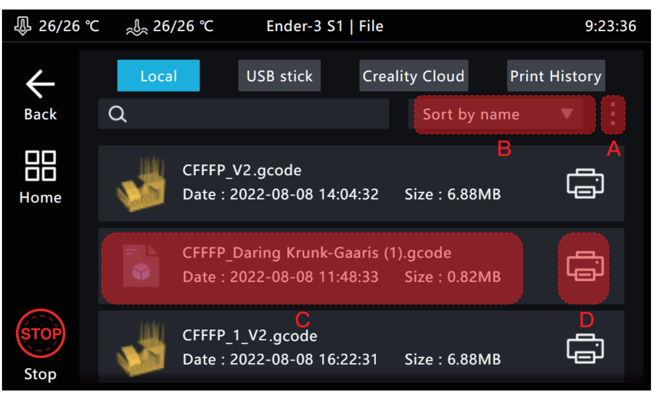
A Manage gcode files, USB drive and local files can be copy from and to each other or vise versa. Files can also be delete from here.

B The sort type of the file.

C In the model preview area, you can view the details of the slice file.

D Click on 

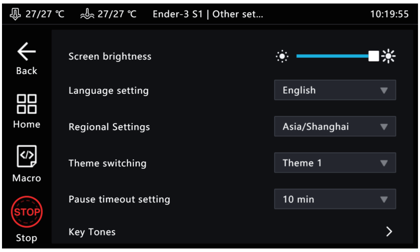
to print the gcode file.



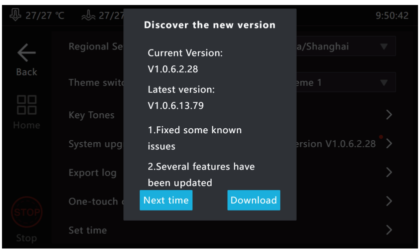
7. System upgrade

1. Online upgrade

1.1 On the home page, go to "Configurate" > "Other Settings" to check for new version.



1.2 Click System Upgrade and follow the on-screen prompts. After the upgrade is complete, the system will restart automatically.



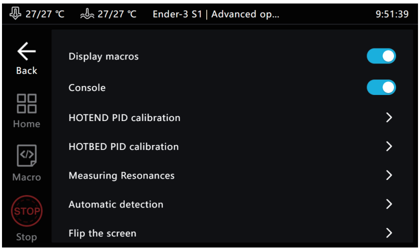
2. USB drive upgrade

2.1 Please go to https://www.creality.com/pages/download → Ecosystem to download the corresponding upgrade file. Decompression it and copy to the root directory of the USB drive. After inserting the machine, an upgrade prompt will pop up automatically. Follow the instructions to upgrade.

8. Advanced options

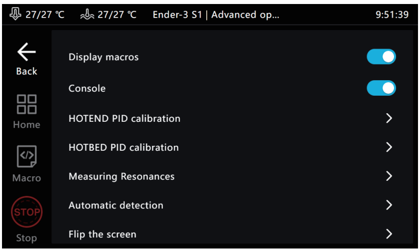
1. Display macros

Click the  button to display/hide the macro functions. (left sidebar and in the control interface).



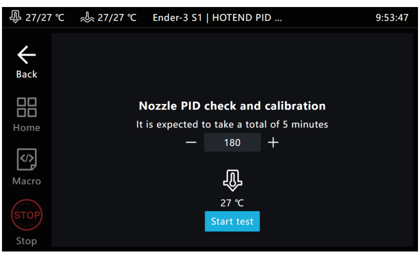
2. Console

Click the button to show/hide the console.



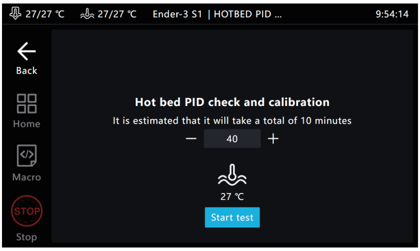
3. HOTEND PID calibration

Click to enter the calibration page, set the hotend calibration temperature, click to start calibration, and confirm that the calibration is completed according to the prompts, the system will automatically save.

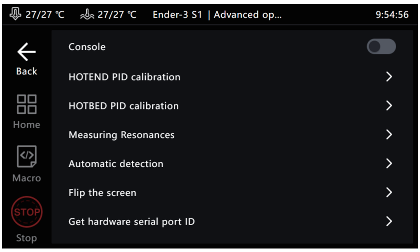


4. HOTBED PID calibration

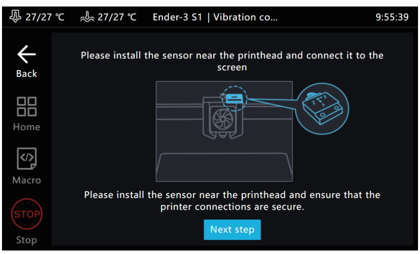
Click to enter the calibration page, after setting the calibration temperature of the hotbed, click to start the calibration, and confirm the completion of the calibration according to the prompt, the system will automatically save.



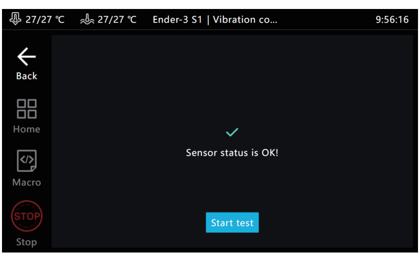
5. Measuring resonances
Go to Other settings, Advanced options, and click Measuring resonances.



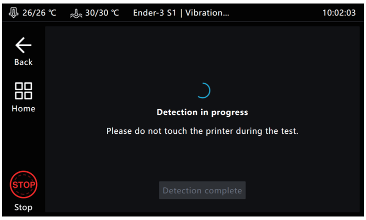
5.1 Enter the Measuring resonances page, connect and install the sensor as shown in the figure.

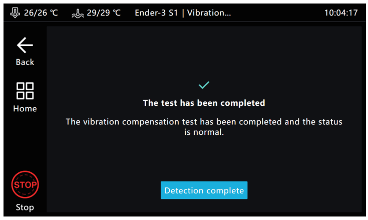


5.2 After connecting the sensor and installing it, click Next step to enter the detection page.



5.3 Click Start test to start detection, the printer will reset to zero, and then perform automatic detection.

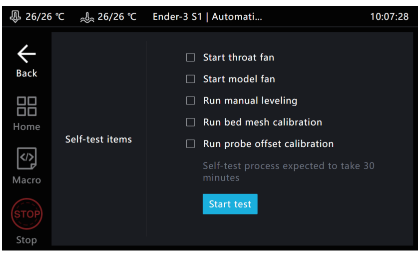




5.4 After the detection is completed, click Detection complete to exit the detection page. After saving the configuration, the Creality Sonic Pad will restart.

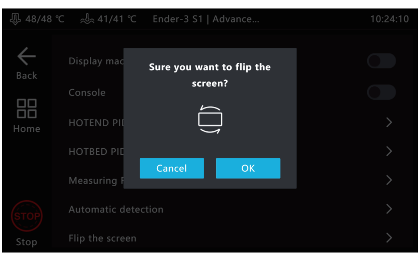
6. Automatic detection

The self-test items can be freely selected. After selecting, click to start the detection and follow the guidance to complete the detection. After completion, you need to save the configuration.



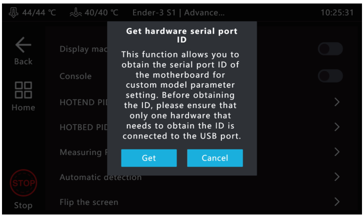
7. Flip the screen

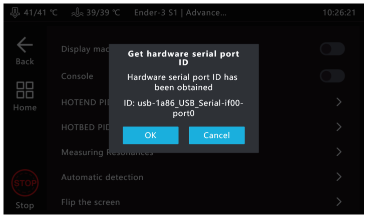
Click OK and the screen will flip 180°.



8. Get hardware serial port ID

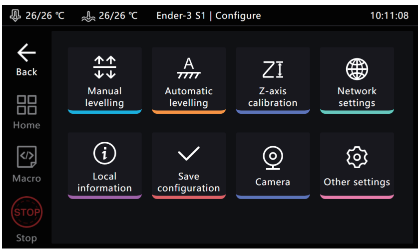
Click Get to get the serial port ID of the motherboard, which is used to customize the parameter settings of the printer model.



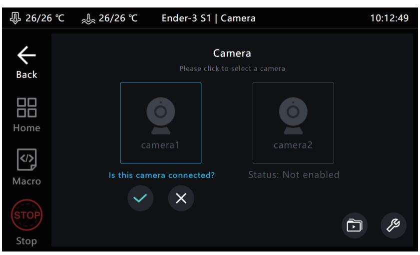


9. Time lapse video

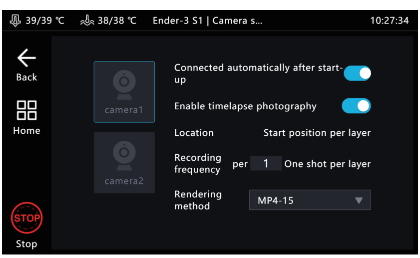
1. Power off the Creality Sonic Pad before connecting the camera to the USB interface. Power it on then enter the Configure page and click the camera.



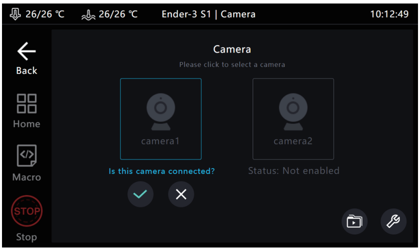
2. Go to the Camera page, click the camera icon, and check Connect camera.



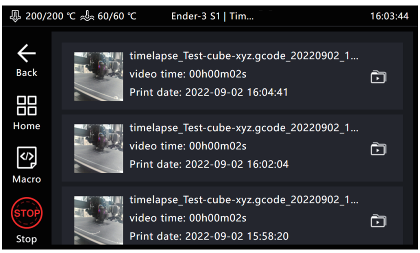
3. Click the logo in the lower right corner of this page to enter the setting page.



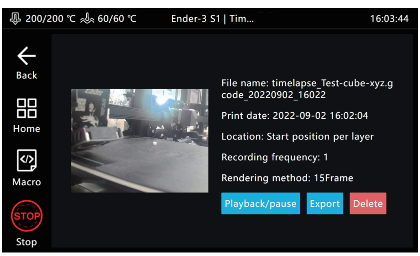
4. Click Connect automatically after activation, the camera will be enabled when the Creality Sonic Pad is powered on. Click to enable time lapse video, and the camera will shoot the printed model according to the set number of layers and rendering methods. After the shooting is completed, a time lapse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



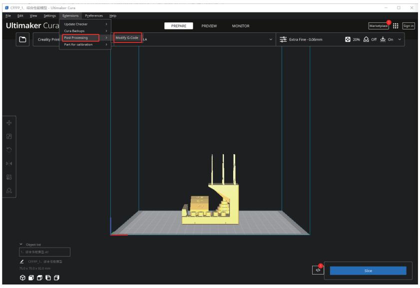
6. Enter the file management mode, you can choose to play, share, export and delete videos.



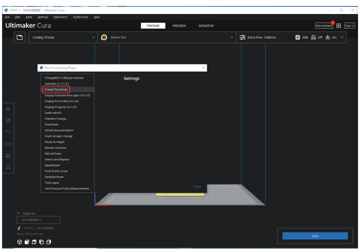
10. Slicing software displays previews and thumbnails

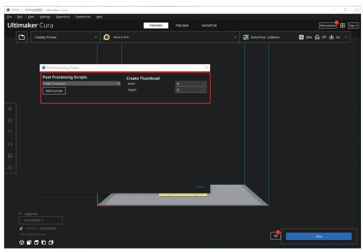
1. Ultimaker Cura 5.1.0

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

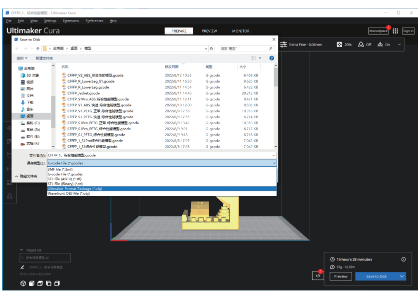


1.2 After entering, select the post-processing script shown in the figure ("Add a script"-"Create Thumbnail), and a red dot will appear in the post-script prompt box next to the slice button.



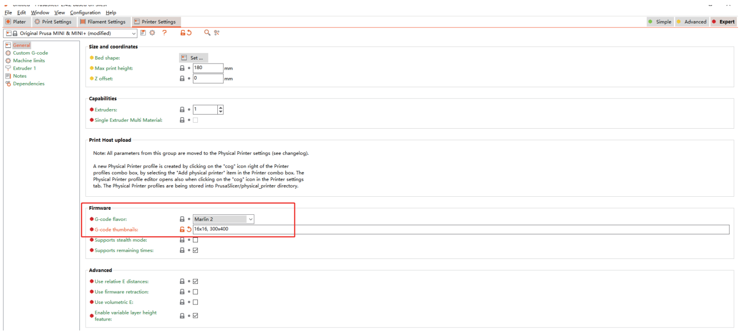


1.3 After the slicing is completed, export it in ufp format and upload it using a U disk or WEB terminal. The Sonic Screen will automatically produce a sliced G-code file with a preview image.



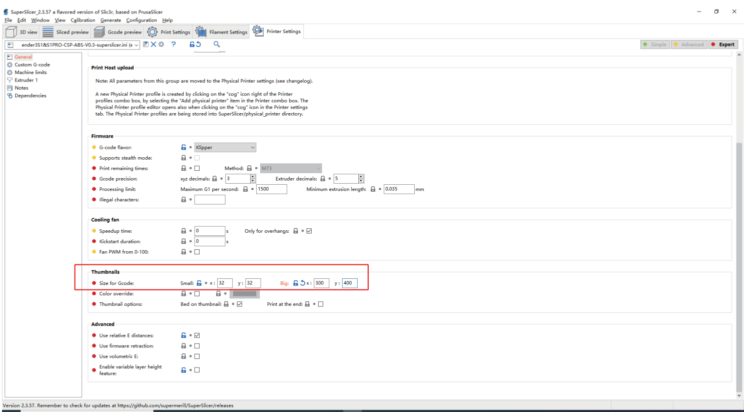
2. PrusaSlicer 2.4.2

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".

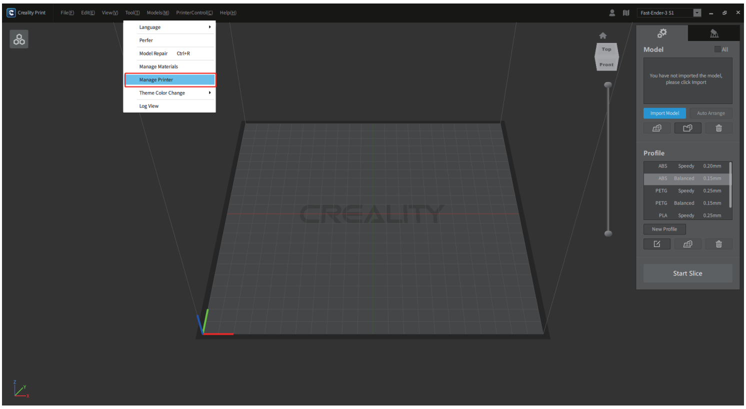


3. SuperSlicer 2.3.5

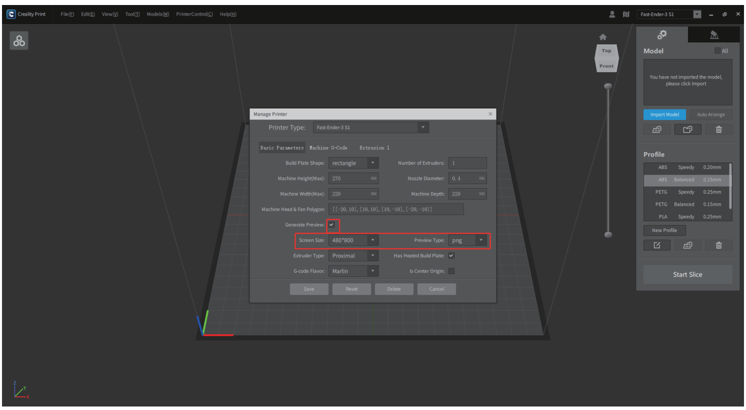
3.1 Added thumbnails and previews on SuperSlicer 2.3.57. In expert mode, you can add custom size thumbnails and previews in "Printer Settings" - "Thumbnails" - "Size for gcode".



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

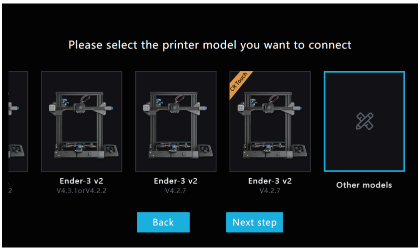


4.2 In the printer management interface, check "Generate preview", and select the preview image size to add a preview image of a custom size.

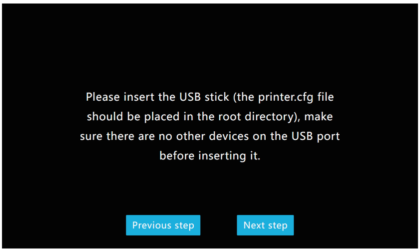


11. Adaptation of other printers

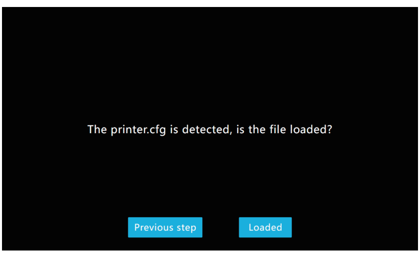
1. Printer Firmware Compilation
Please download the firmware compilation guide on the official website:
https://www.creality.com/pages/download → Ecosystem
For firmware compilation environment construction, please refer to the video tutorial:
https://www.creality.com/pages/download → Ecosystem
2. User-defined 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.



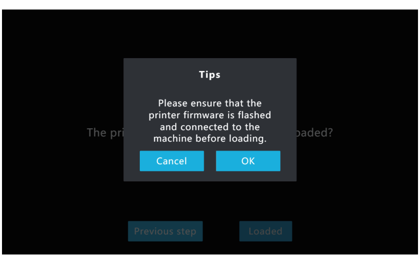
2.2 The printer needs to flash the self-compiled firmware first, then save the corresponding configuration file Printer.cfg into the USB drive, insert the Creality Sonic Pad, and click Next step.



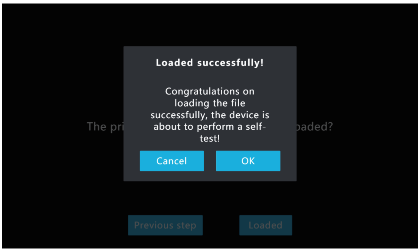
2.3 After the configuration file is detected, click Loaded to load the configuration file.



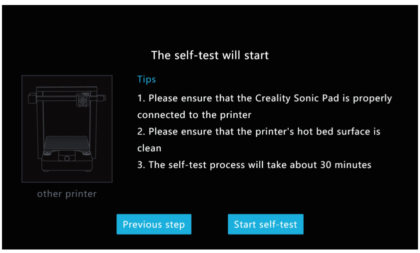
2.4 At this point, a pop-up window will prompt you to ensure that the printer firmware has been flashed and connected to the machine.



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.

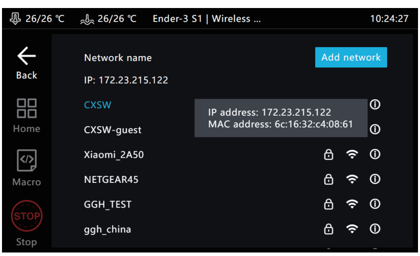


2.6 Click Start self-test to enter the self-test process. For the self-test process, please refer to the self-test process of “First Use” to guide the installation.

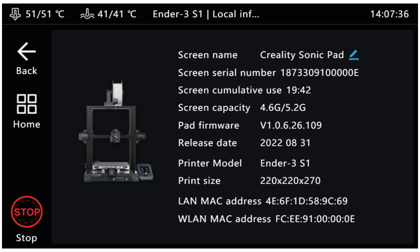


12. The use of WEB operation terminal

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.



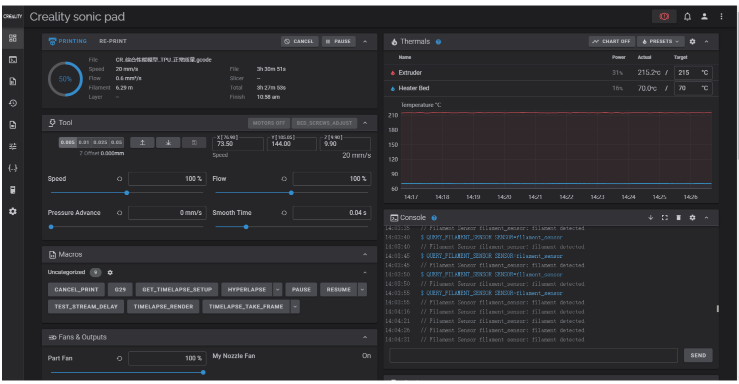
2. Obtaining the serial number (DN number) of the Creality Sonic Pad screen.



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 filamtent 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 fluidd: 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.

MADE IN CHINA

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https://www.facebook.com/groups/sonicpad
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cs@creality.com

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CREALITY

V2.0

Creality Sonic Pad
使用说明书

深圳市创想三维科技股份有限公司

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。

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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

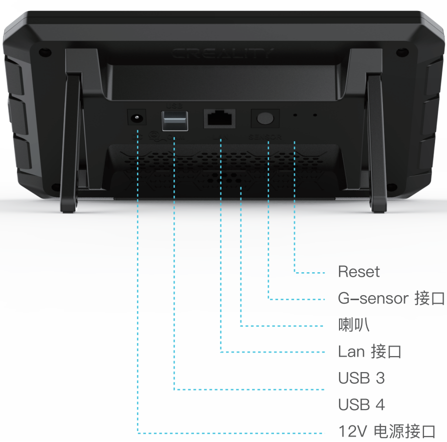
7. MicroUSB 转 MiniUSB x1

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;

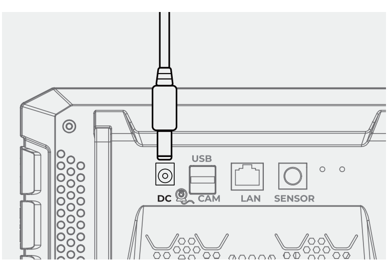
4.请勿将本产品放置在震动或者其它不稳定的环境中;

5.请定期在断电的情况下用干布对机身做清洁;

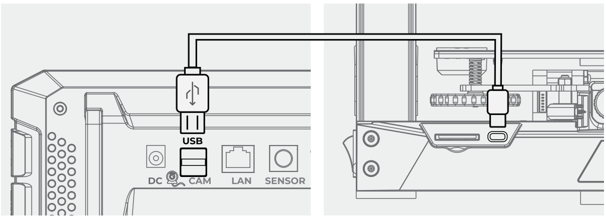
6.使用者应遵守设备所在地国家、地区法律法规，恪守职业道德，注意安全，严禁将我司的产品或设备使用在任何非法用途上。如有违反，产生的相关法律责任我司概不负责。

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。

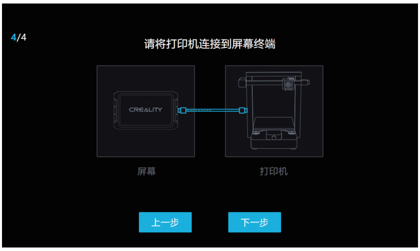
2.7 打印机固件烧录

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。

2.7.4 打开打印机电源后，Creality Sonic Pad将自动连接打印机（打印机开机后会将SD/TF中的固件自动刷入）。



2.7.5 打印机固件刷写完成，点击重启。

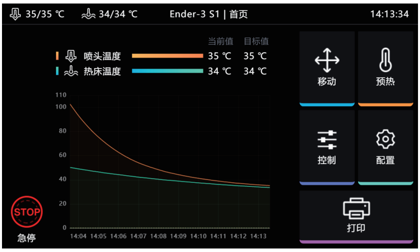
3. 功能自检

打印机固件刷写完成后，Creality Sonic Pad会自动重启打印机，重启后进入功能自检，按照屏幕指示进行操作。自检完成后，点击立即体验，屏幕将会保存相关的用户配置，并重载系统，进入主页面后，即可开始使用本产品。

六. 日常使用

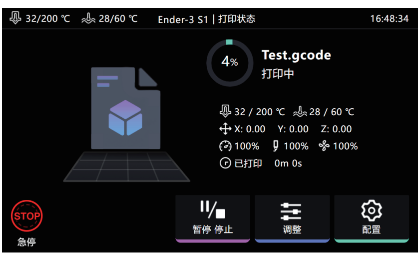
1. 打印

1.1 进入主页面，点击“ 打印”。

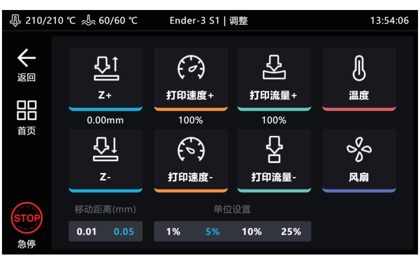


1.2 选择本地或U盘中保存的gcode文件，点击  打印此文件。

1.3 进入打印界面，打印机开始工作，界面中会显示预计时间等打印信息。



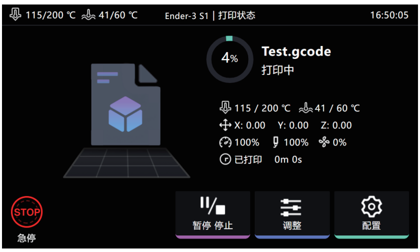
1.4 打印过程中可调整参数，具体参数如图所示。



注意：参数调整只有在打印机正式开始打印后才能进行调整，准备过程中（如加热中）无法调整 。

1.5 打印过程中可选择暂停/停止打印，暂停后可继续打印，停止打印则会退出打印界面，进入主界面。

1.6 打印过程中如需立即停止工作，可点击  。



1.7 急停后Creality Sonic Pad会跳到如下界面，需要手动点击重启图标恢复连接。

2. 切片文件管理

2.1 进入gcode选择界面，可进行以下操作。

A 管理gcode文件,U盘和本地文件可以相互复制及删除。

B 可选择文件排序类型。

C 模型预览区域可查看切片文件详情。

D 点击  可以直接打印此gcode文件。


32/32 ℃
37/37 ℃
Ender-3 S1 | 文件
16:54:47
本机
U盘
创想云
打印历史
返回
首页
宏
急停
STOP
按大小排序
B
A
3911_rabit.gcode
日期：2022-08-17 08:54:34
大小：5.05MB
Test.gcode
日期：2022-08-17 08:54:23
大小：0.25MB
C
D
没有更多了

七. 系统升级

1. 在线升级

1.1 在首页页面，依次进入“配置”——“其他设置”，查看系统是否有新版本发布。

1.2 点击系统升级，按屏幕提示操作，升级完成后，系统会自动重启。

2. U盘升级

2.1 请到 https://www.creality.com/pages/download Ecosystem 下载对应的升级文件，解压后复制至U盘根目录，插入本机后会自动弹出升级提示，按引导升级。

八. 高级设置

1. 显示宏

点击 按钮可显示/隐藏宏功能（左侧栏和控制界面内）。

2. 命令行

点击 按钮可显示/隐藏命令行。

3. PID喷头检测

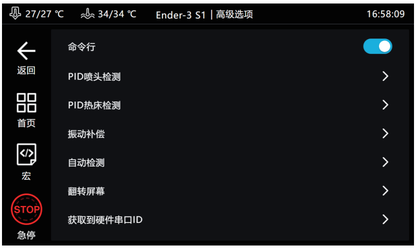
点击进入检测页面，设置喷头检测温度后，点击开始检测，根据提示确认检测完毕后，系统会自动保存。

4. PID热床检测

点击进入检测页面，需要设置热床检测温度后，点击开始检测，根据提示确认检测完毕后，系统会自动保存。

5.振动补偿

进入配置，高级设置，点击振动补偿。



5.1 进入振动补偿页面，按图所示连接传感器和安装传感器。

5.2 连接传感器并安装完毕后，点击下一步，进入检测页面。

5.3 点击开始检测，打印机将归零，然后进行自动检测。

5.4 检测完毕后，点击检测完成，退出检测页面。保存配置后，Creality Sonic Pad将重启。

6. 自动检测

自检项可自由选择，选取后，点击开始检测，跟随引导即可完成检测，完成后需要保存配置。

7. 屏幕翻转

点击确定，屏幕将翻转180°。

8. 获取硬件串口ID

点击获取，获取主板串口ID，用于自定义机型参数设置。

九. 延时摄影

1. 在关机状态下，将摄像头连接到Creality Sonic Pad USB接口，进入配置页面点击摄像头。

2. 进入摄像头页面，点击摄像头图标，勾选连接摄像头。

3. 点击此页面右下角的  标志，进入设置页面。

4. 点击启动后自动连接，摄像头会在Creality Sonic Pad开机时启用，点击启用延时摄影，摄像头工作时，将对打印的模型按照设置的层数和渲染方式进行拍摄，拍摄完毕后会生成延时摄影文件，点击右下角 图标进入查看。

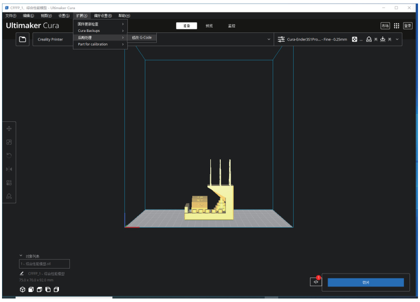
5. 进入延时摄影文件存放文件夹，展示文件缩略图和打印信息，点击展示列表 可进入文件管理模式。

6. 进入文件管理模式，可选择播放，分享，导出，删除视频。

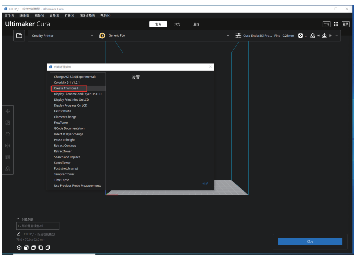
十. 切片软件显示预览图和缩略图

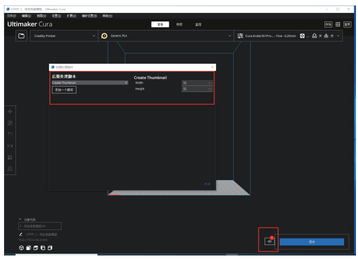
1. Ultimaker Cura 5.1.0

1.1添加缩略图，选择“扩展”–“后期处理”–“修改G-code。

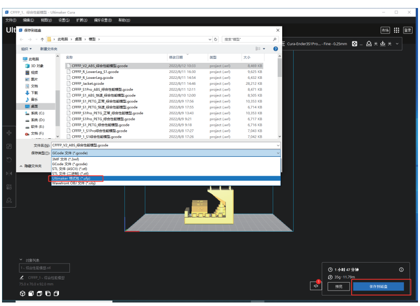


1.2 按图所示添加后期处理脚本，成功后脚本提示框会出现红点提示。



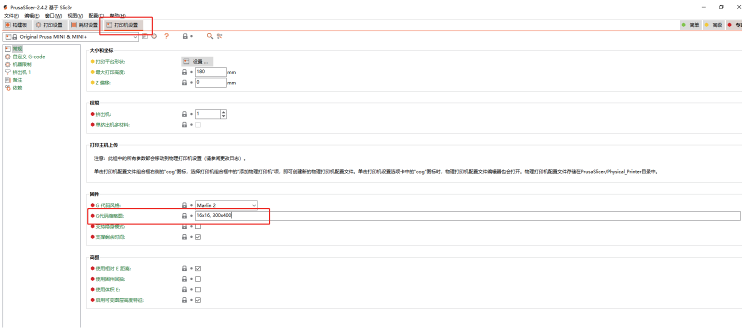


1.3 切片完成后，以ufp格式导出，使用U盘或WEB端上传Creality Sonic Pad将自动生产带预览图的切片G-code文件。



2. PrusaSlicer 2.4.2

2.1 添加缩略图和预览图，在“打印机设置”中修改“G代码缩略图”大小，即可添加自定义大小的缩略图和预览图。

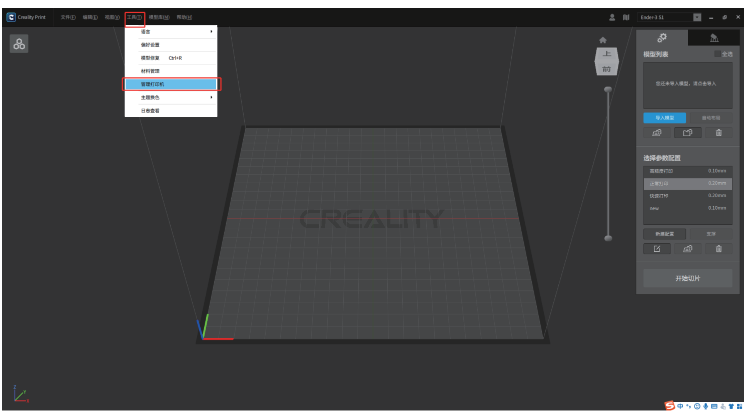


3. SuperSlicer 2.3.5

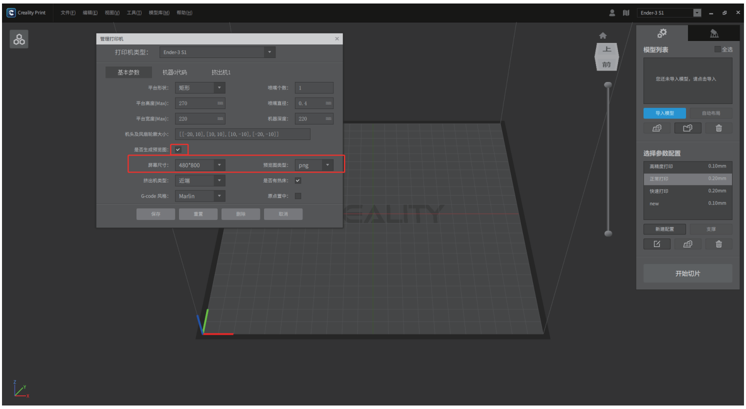
3.1 添加缩略图和预览图，在“打印机设置”中修改 “缩略图大小”，即可添加自定义大小的缩略图和预览图。

4. Creality Print

4.1 添加缩略图和预览图，选择“工具”–“管理打印机”，进入打印机管理界面。



4.2 打印机管理界面勾选“是否生成预览图”，并选择预览图大小，即可添加自定义大小的预览图。



十一. 自定义机型适配

1. 打印机固件编译
请在官网下载固件编译指导文件：
https://www.creality.com/pages/download → Ecosystem
固件编译环境搭建可参考视频教程：
https://www.creality.com/pages/download → Ecosystem

2. 自定义机型使用流程
2.1参照《自定义机型固件编译指导书》，自行编译固件和编写配置文件，准备完毕后，一键换机选择机型时，选择其他机型。

2.2 打印机需先烧录好自行编译的固件，然后将对应的配置文件Printer.cfg 存入U盘并插入Creality Sonic Pad，点击下一步。

2.3 检测到配置文件后，点击下一步即可载入配置文件。

2.4 此时弹窗提示确保打印机固件已刷好并与本机连接。

2.5 确保打印机固件已刷好并与本机连接，点击确认，Creality Sonic Pad将载入配置文件并提示自检。

2.6 点击确定进入自检，自检流程请参照“首次使用”引导安装自检流程。

十二. WEB操作端的使用

1. 获取Creality Sonic Pad IP地址

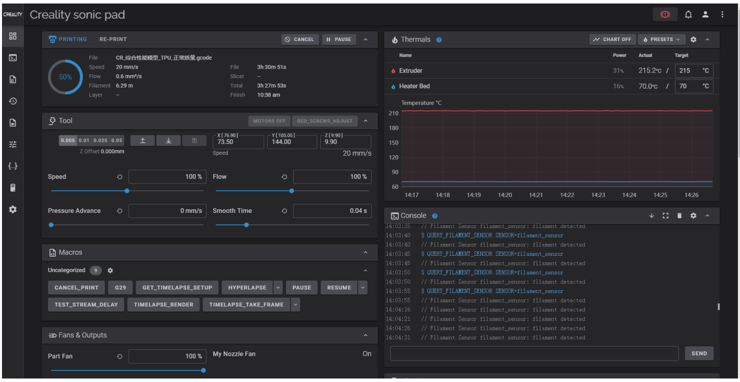
进入”配置–网络设置–无线网络/有线网络”，获取Creality Sonic Pad当前局域网IP地址。

2. 获取Creality Sonic Pad序列号（DN号）

3. 开启WEB操作端

确定PC和Creality Sonic Pad在同一局域网的情况下，将获取到的IP地址输入到浏览器，或使用局域网域名spad–DN.local，DN为屏幕DN号前四位。

（示例：http://172.23.214.236或http://spad–8888.local）



Creality sonic pad
PRINTING
RE-PRINT
CANCEL
PAUSE
Thermals
CHART OFF
PRESETS
Extruder
Heater Bed
Temperature °C
Tool
MOTORS OFF
BED_SCREWS_ADJUST
Speed
Flow
Pressure Advance
Smooth Time
Console
Macros
Uncategorized
CANCEL_PRINT
G29
GET_TIMELAPSE_SETUP
HYPERLAPSE
PAUSE
RESUME
TEST_STREAM_DELAY
TIMELAPSE_RENDER
TIMELAPSE_TAKE_FRAME
SEND
Fans & Outputs
Part Fan
My Nozzle Fan

十三. FAQ

请登录官网查看更多常见问题的解决办法:
https://www.creality.com/pages/faq?spm=..page_1934481.header_1.1 → Ecosystem

● 为什么会出现在线升级失败?

1. 检查网络是否正常,需要保证网络正常才可下载升级包;
2. 网络正常的情况下如果提示“下载失败”，请查看本机是否有大于500MB空间,如空间不足，应尝试清理部分切片文件或延时摄影视频文件保证可用空间大于500MB再尝试升级;
3.网络正常且可用空间足够时若还提示“升级失败”，需联系售后处理。

● 打印过程中终止打印?

1.检查打印机与Creality Sonic Pad连接是否正常;
2.检查Creality Sonic Pad和打印机电源连接是否正常。

● 延时摄影为什么没有拍摄成功?

1. 进入配置-摄像头查看是否有实时画面，如无画面应先开启;
2. 确认摄像头为通用摄像头，并已打开实时画面;
3. 进入配置-本机信息查看本机容量是否不足;
4. 检查是否已开启延时摄影，延时摄影拍摄频率是否设置正确（频率应小于切片层数）。

● 谐振补偿自动侦测时，振动传感器应该安装在什么位置？有无方向要求?

振动传感器应该安装于打印喷头上，可以使用我司提供的模型文件打印支架，然后使用螺丝紧固于支架上，无方向要求。

● 为什么打印的模型边缘质量不好？切片时加速度、速度设置多少合适?

可参考我司提供的切片软件配置参数，默认支持的机型（Ender-3 V2 / Ender-3 S1 / Ender-3 S1 Pro）可直接在切片软件中导入对应的参数配置文件。

● 为什么U盘读取异常?

1.检查U盘是否正常，将U盘插入电脑，尝试修复U盘文件系统或格式化，或更换U盘重试;
2.检查USB接口是否正常，换其它USB接口尝试;
3.如采用读卡器方式，请尝试更换读卡器（或者存储卡）来判断功能是否正常。

● 怎么配置文件才能兼容断料检测功能?

配置文件中添加
[filament_switch_sensor filament_sensor]
pause_on_runout: true
switch_pin: ^!PC15
注意！switch_pin需要确认为断料检测器连接PIN。

● 为什么一直无法成功连接打印机?

1.检查打印机是否通电；
2.检查打印机固件是否为正确的版本；
3.检查配置文件是否正确匹配；
4.检查USB连接是否正常；
5.检查当前Creality Sonic Pad软件版本是否为最新版本。

● 为什么打印错层?

1.检查X，Y轴电机是否正常，皮带是否松动；
2.确认切片打印速度和加速度是否超过打印机正常范围，适当调整打印速度和加速度（可参考我司提供的切片参数）。

● 为什么打印时拉丝严重?

需要确认切片文件相关参数（是否启用回抽，回抽距离，回抽速度，打印速度等）与连接的打印机机型是否匹配，如不匹配需要重新调整参数并重新切片。

● 为什么无法连接WIFI网络?

1. 可尝试搜索其他WIFI并尝试连接，确认是否可以正常连接；当前设备支持WPA2的加密方式，不支持WPA3，且只支持2.4G频段；
2. 检查密码正确性，检查路由器是否正常。

● 如何将延时摄影文件传输到PC上?

1.fluidd下载：PC浏览器打开设备WEB页（参照使用说明），在延时摄影菜单下下载；
2.U盘下载：插入U盘后，在配置–摄像头–延时摄影视频–视频详情页面点“导出”按钮，导出视频文件到U盘，再从U盘复制到PC上。

● 为什么我的摄像头连接上之后无法正常使用?

1.Creality Sonic Pad默认开机加载摄像头设备；如果在开机后再插入摄像头，选中摄像头并选择启用后，摄像头显示已启用，等待2分钟方可出现画面（有时需要再切换一下页面），或插入摄像头后重启Creality Sonic Pad后可出现画面;
2.某些摄像头是定制化摄像头，未采用YUV和Mjpeg格式输出，可尝试更换摄像头再使用;
3.拔出摄像头改用U盘查看USB是否正常，如不正常请联系售后处理。

● 针对非默认机型如何编译固件及修改配置文件?

请参考我司提供的打印机适配指引链接。

● 开机引导或一键换机时Ender3 V2机型无法连接如何处理?

开机引导或一键换机选择机型时应根据实际状况选择,主板版本需拆机查看，Ender–3 V2机型的四种选择对应关系;
a.[机型图左上角CR Touch标志]Ender–3 V2 (V4.3.1或V4.2.2) : 对应已安装CR Touch的机型，主板版本为V4.3.1或V4.2.2
b.Ender–3 V2 (V4.3.1或V4.2.2) : 对应未安装CR Touch的机型，主板版本为V4.3.1或V4.2.2
c.Ender–3 V2 (V4.2.7) : 对应未安装CR Touch的机型，主板版本为V4.2.7
d.[机型图左上角CR Touch标志]Ender–3 V2 (V4.2.7) : 对应已安装CR Touch的机型，主板版本为V4.2.7

- 为什么把SD卡插入打印机，在Creality Sonic Pad找不到对应文件?

请将文件存于U盘，插入Creality Sonic Pad USB接口，便可读取到相应文件。

中国制造

加入Facebook社区
https://www.facebook.com/groups/sonicpad
400-6133 882
cs@creality.com

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公司网站：www.cxsw3d.com
服务热线：400 6133 882　0755-8523 4565