

Creality Sonic Pad User Manual



Thank you for choosing our products. For the better experience, 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.

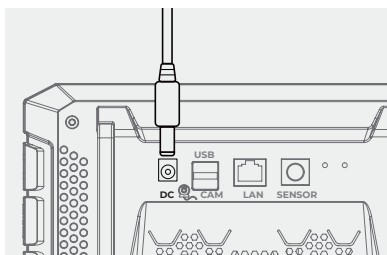
5. Please power off to clean the product regularly.

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 circumstance.

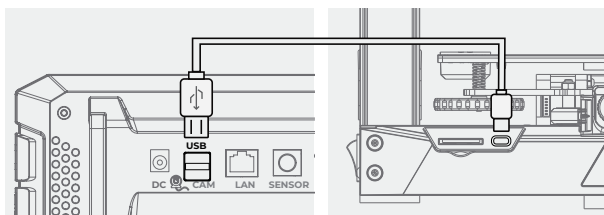
5. First use

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).

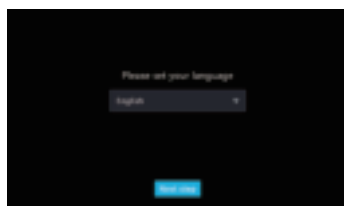


2. Boot Settings

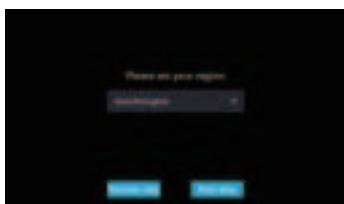
After the connection is completed, press the power button of the Creality Sonic Pad to enter the boot-up operation (follow the order of the guide instructions to configure the product).



2.1 Startup screen



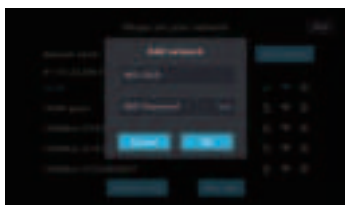
2.2 Select language



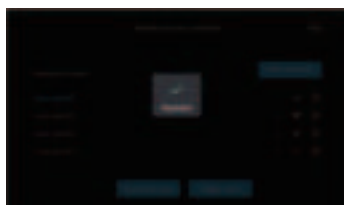
2.3 Select region



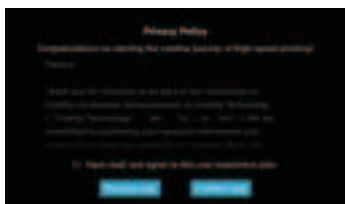
2.4.1 Network settings (optional)



2.4.2 Add a network(optional)



2.4.3 The network connection is completed(optional)



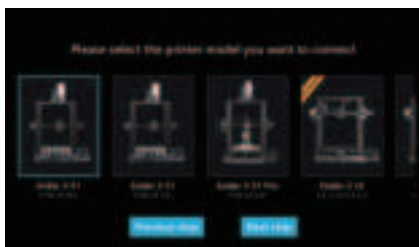
2.5 Privacy setting, click next after reading and agree by selecting the checkbox



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.



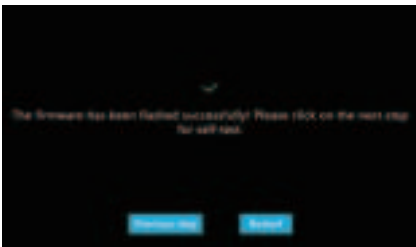
2.7.3 Write the firmware to the SD/TF card, then insert the SD/TF card into the printer, click Next step.



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)

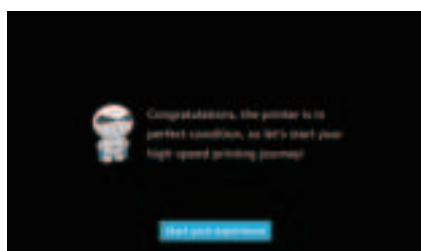
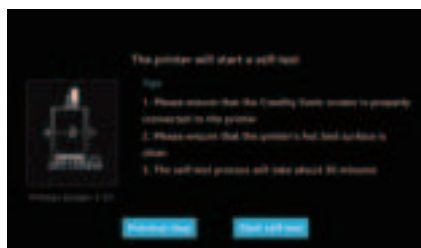


2.7.5 After the printer firmware is flashed, click Restart.



3. Functional self-check

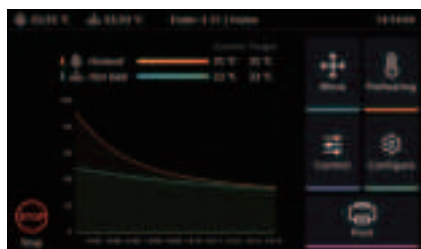
After the printer firmware is flashed, the Creality Sonic Pad will automatically restart the printer. After restarting, it will enter the function self-test and follow the on-screen instructions. After the self-test is completed, click Experience Now, the screen will save the relevant user configuration,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




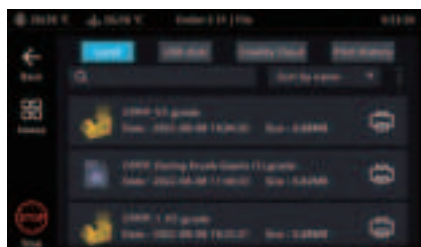
6. Daily use

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).

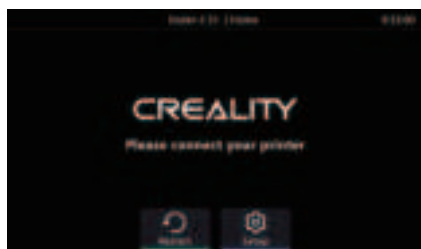
1.5 During the printing process, you can choose to Pause/Stop printing. It can resume after pause, but it will exit the printing interface and go back to Home page if you stop printing.



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




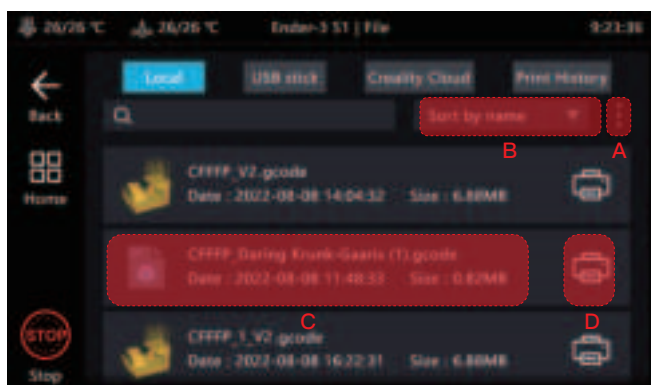
1.7 Creality Sonic Pad will jump to the following interface after Emergency Stop, you need to manually click Restart to restore the connection.



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 vice 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.



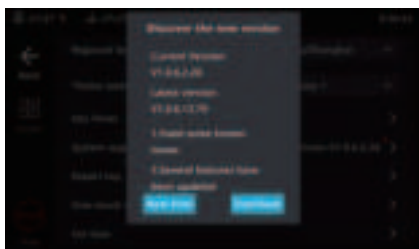
7. System upgrade

1. Online upgrade

1.1 On the home page, go to "Configure" > "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.




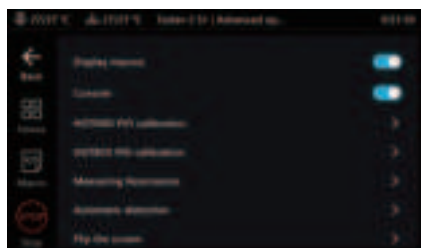
2. USB drive upgrade

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

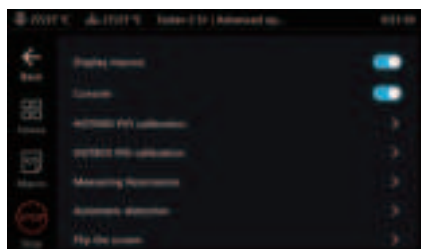
1. Display macros

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



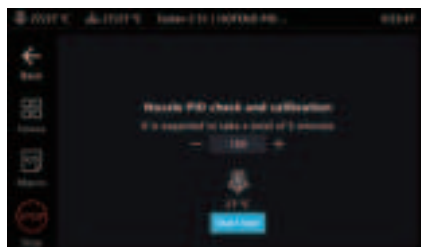
2. Console

Click the  button to show/hide the console.



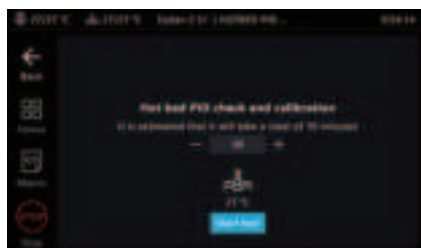
3. HOTEND PID calibration

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.



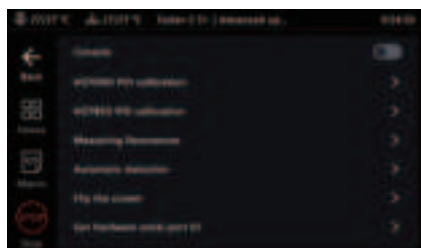
4. HOTBED PID calibration

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.



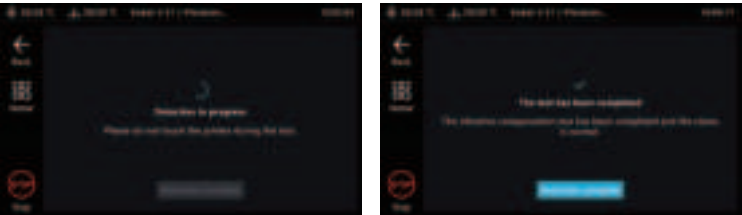
5.1 Enter the Measuring resonances page, connect and install the sensor as shown in the figure.



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.

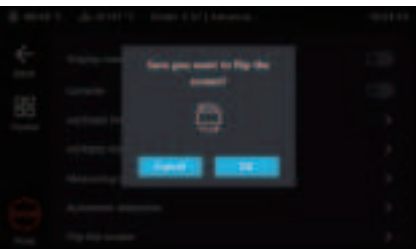
6. Automatic detection

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.



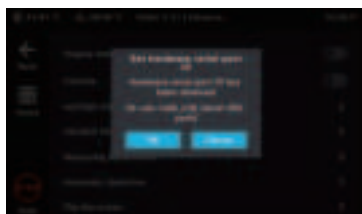
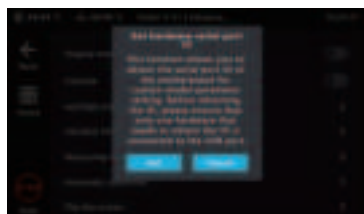
7. Flip the screen

Click OK and the screen will flip 180°.



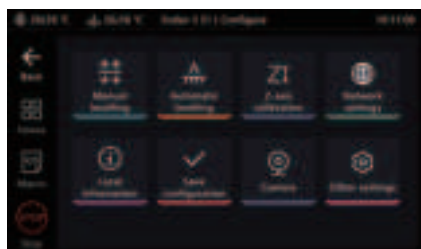
8. Get hardware serial port ID

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

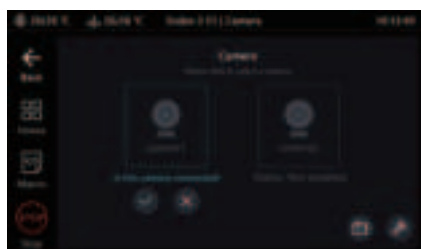



9. Time lapse video

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.

