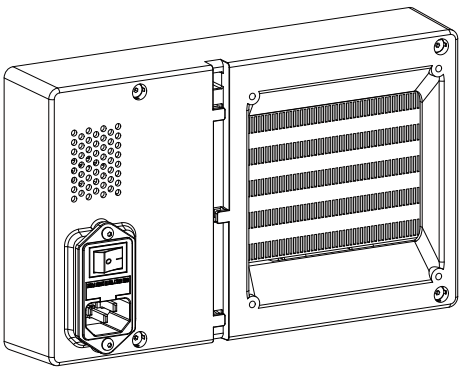
SOVOL

Auxiliary Heating Module

（Applies to SV08 Max）

V1.1



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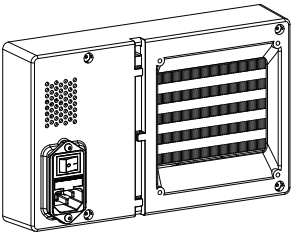
Note

- Please read this manual carefully.
- When heating, do not touch the surface to prevent burns.
- Do not allow children to operate without adult supervision.
- Keep the module in a well-ventilated, cool and dust-free place.
- There is a high-voltage part in the equipment circuit. Please do not disassemble and repair it by yourself. If any abnormality occurs, please contact us.

Parameter Information



Name	Auxiliary Heating Module
Compatible Models	SV08 Max
Function	Increase the temperature in the cavity
Size	L233*W141*H56mm
Voltage	AC 100~120V / 200~240V
Usage Cenarios	Print High-Temperature Filament
Equipment Weight	676g

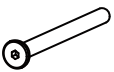
Tool Box



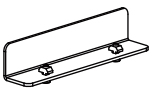
M2.0 wrench



M4.0 wrench



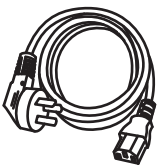
M4x45*4



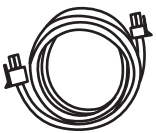
Heat shield*1



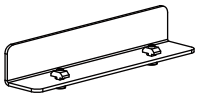
Zip tie*2



Power cord



Communication cable 1
(to the mainboard)

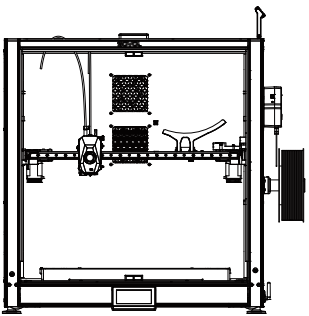


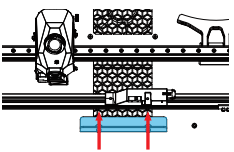
Heat shield*1



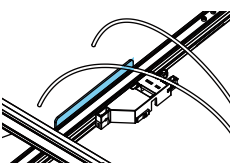
M4.0 wrench

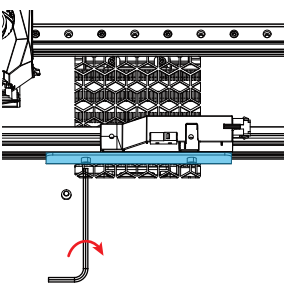
First, move the AB axes of the SV08 max toward the rear panel's air outlet, then disconnect the machine's power supply.





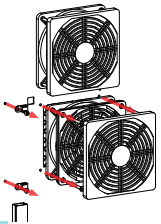
Next, install the heat shield onto the profile using T-nuts. This ensures the shield isolates the heat source when the chamber heating module activates, preventing belt deformation due to heat exposure.





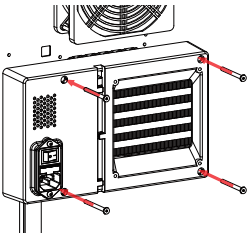
Assembly





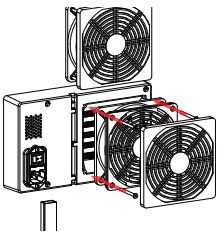
Step 1:

Remove the outlet fan and two cable tie mounts.



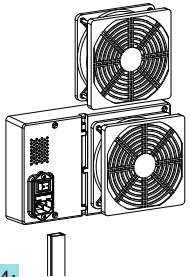
Step 2:

Use M4x45 screws to mount the chamber heating module to the rear cover plate.



Step 3:

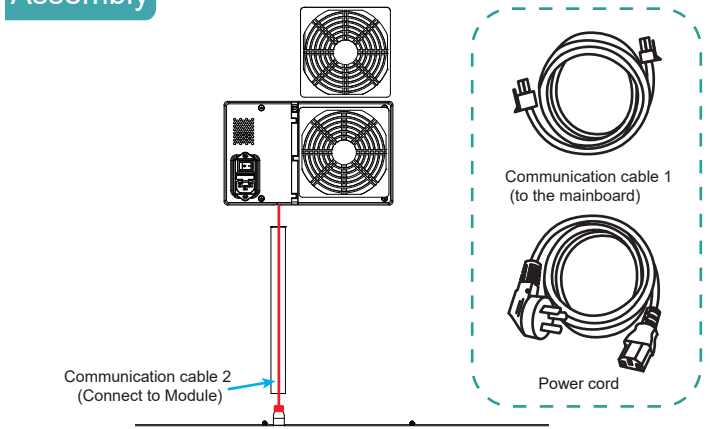
Then install the previously removed fan onto the chamber heating module.



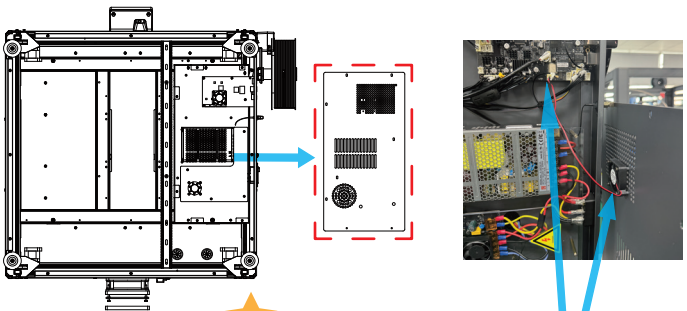
Step 4:

The final installation effect is shown in the above picture.

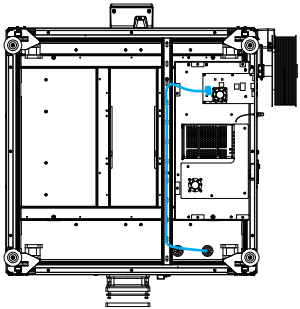
Assembly

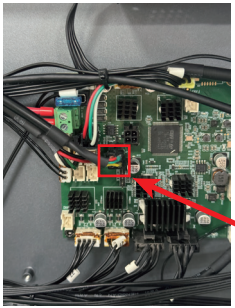


Pull the module's communication cable along the cable tray to the small hole at the bottom of the rear cover plate.Then lay the machine flat and remove the power supply box cover plate at the bottom.



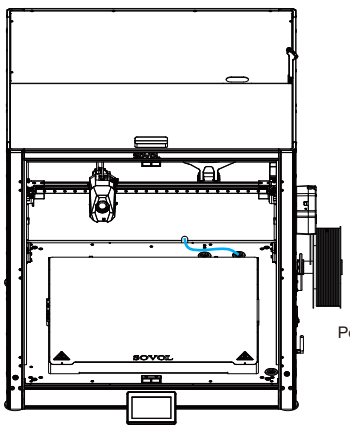
When removing the power supply cover plate, note that the fan on the cover plate is connected to the motherboard. Do not forcefully remove it.

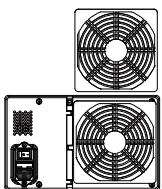


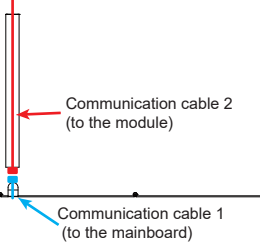


The female end of the communication cable connects to CAN2 on the mainboard.

Connect communication cable 1 (to the mainboard) as shown. Neatly bundle the cables,then route the other end of the communication cable to the cable opening at point A.Pass it through the cable opening to the top of the base, then through the small hole in the rear cover plate to the outside of the cover plate. Connect it to communication cable 2 (to the module).





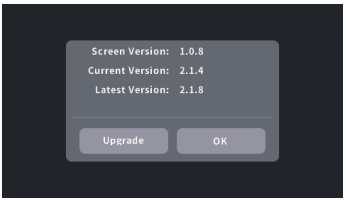


Modify the configuration file

OTA upgrade：

Machine versions need to be upgraded to 2.1.8 and above to utilize the functionality of this module properly

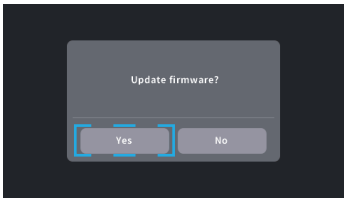
When our firmware version is at a lower version, please update the firmware version in a timely manner. This update can be completed by operating on the device itself.

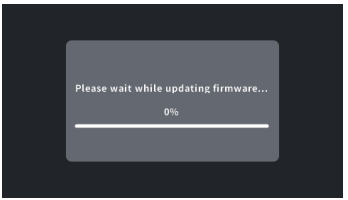


The following are old versions below 2.1.8 and need to be upgraded.

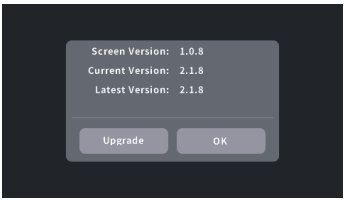
①.Click on ‘Upgrade’

②.Click on ‘Yes’





1. Waiting for the system updates to complete, and the machine will automatically restart.

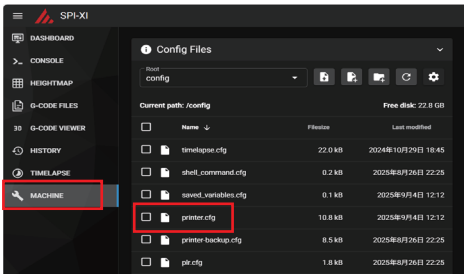


Version update completed, you can change the configuration file by logging into the IP address.

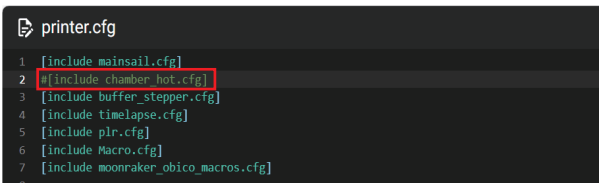
2. During system checks, if it is already the latest version,"latest version" will be displayed.

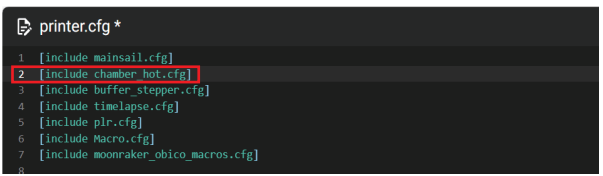
Auxiliary Heating Module

After the machine successfully connects to the network, operate "Show ip" on the screen to obtain the machine's network IP. We need to enter the IP address in the web interface within the same LAN to log in to mainsail (accessible from both mobile devices and computers). Please follow the steps below to enable the auxiliary heating module.



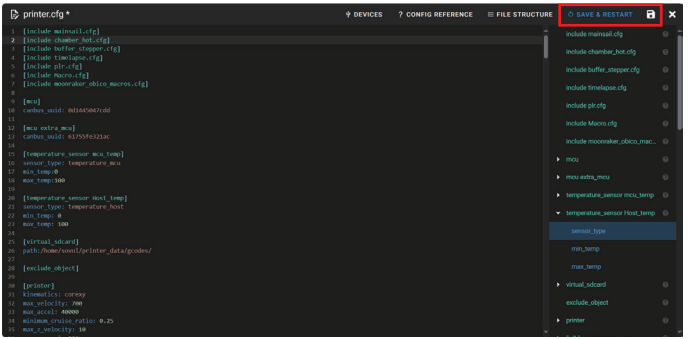
Click on the machine option at the bottom of the left-side list and select the configuration file'printer.cfg'inside.



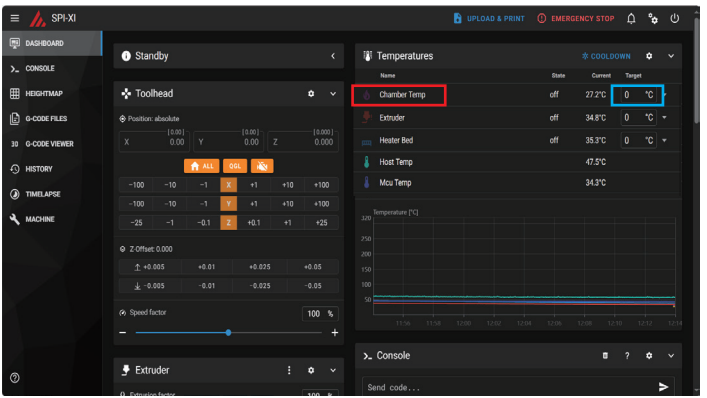


Find '#【include chambe_hot.cfg】'and delete the first'#' to make the option to control the temperature of the cavity appear.

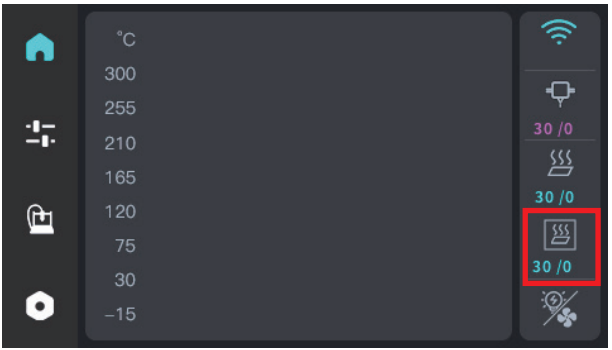
Modify the configuration file



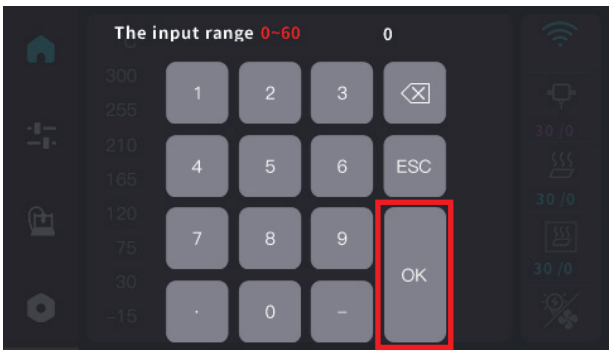
After modifying the configuration file, click ‘ save and restart’ in the top right corner.



‘Chamber Hearter’is the temperature of the cavit.The heating up of the auxiliary heating module can be controlled by setting the position selected in blue in the diagram.



After setting the previous profile,click the chamber heating button on the printer operation screen,manually enter the desired chamber temperature(up to 60℃),press ‘OK’,and the chamber heating module starts working.

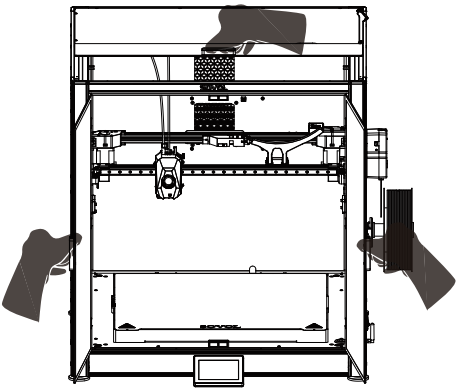


Recommended heating temperature

When printing different high-temperature filaments,the following data represents our recommended chamber temperature setting(based on a room temperature of 20~30℃).Actual temperature settings may vary depending on ambient conditions.

Consumables	Filter fan	Heating fan	Setting temperature
PLA	100%	100%	0℃
TPU	100%	100%	0℃
PETG	100%	0%	0℃
ABS	0%	100%	55℃
PA	0%	100%	60℃

When printing with PLA、TPU、or PETG, open both the front glass door and the top glass panel to prevent the extruder nozzle from clogging during printing.



sovol official user group

sovol official website

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