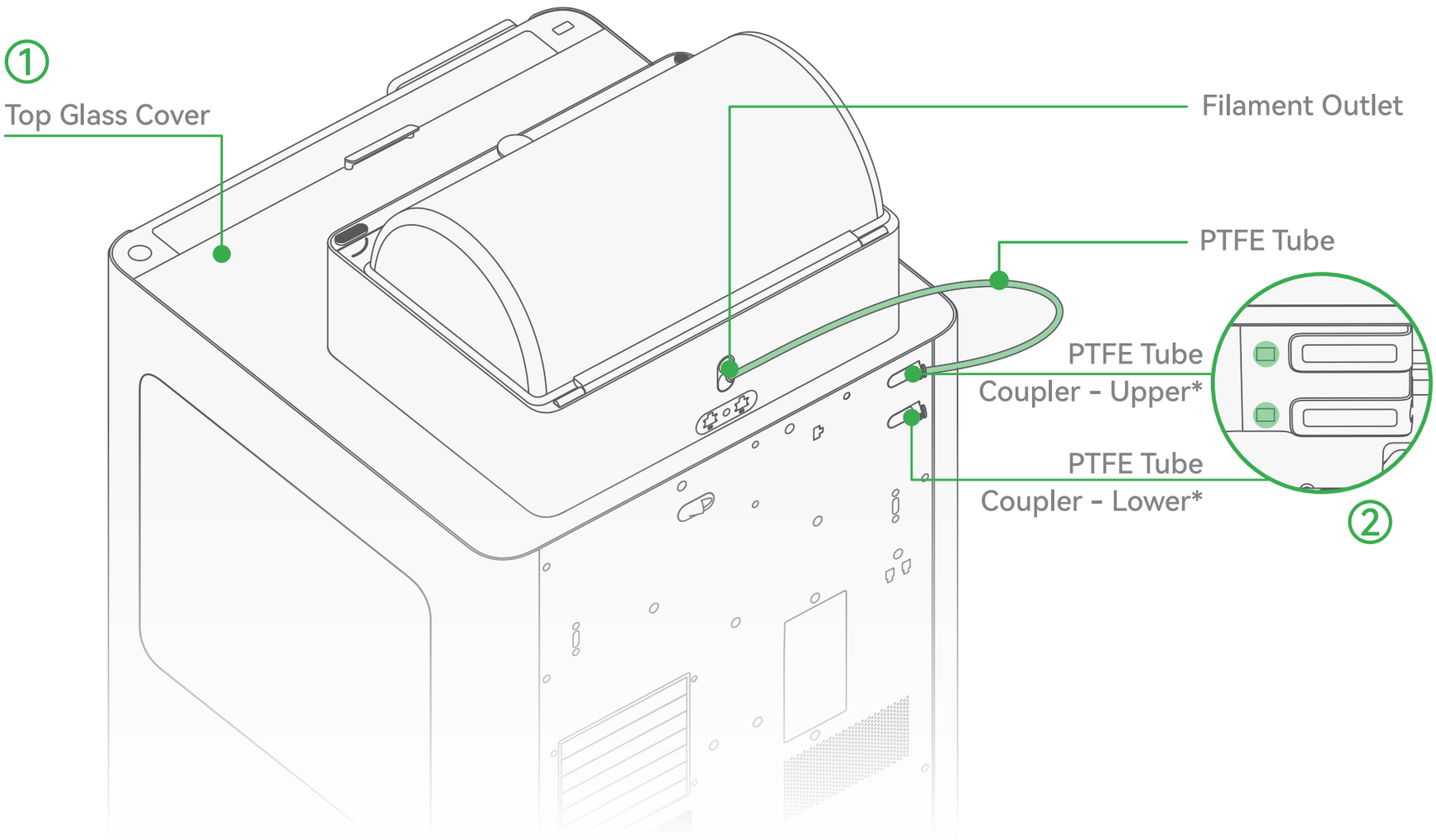
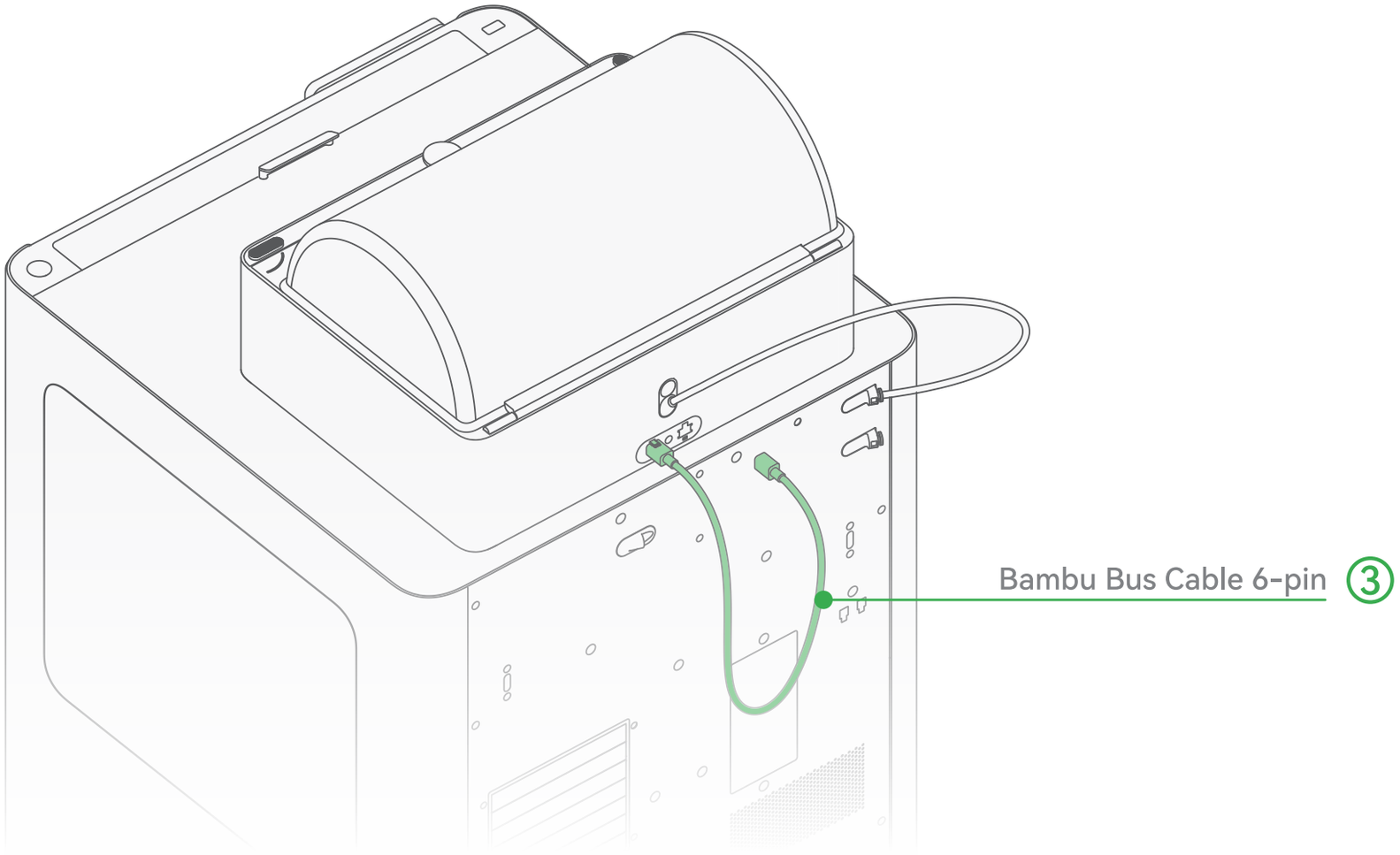
Install the AMS 2 Pro



① Place the top glass cover on top of the printer.

② Take out the PTFE tube from the accessory box, insert it into the AMS 2 Pro's filament outlet and any PTFE tube coupler of the printer, and push the tube forward for approximately 10 cm until it stops (if you can see the PTFE tube from the window next to the buffer from the front of the printer, it is correctly inserted).

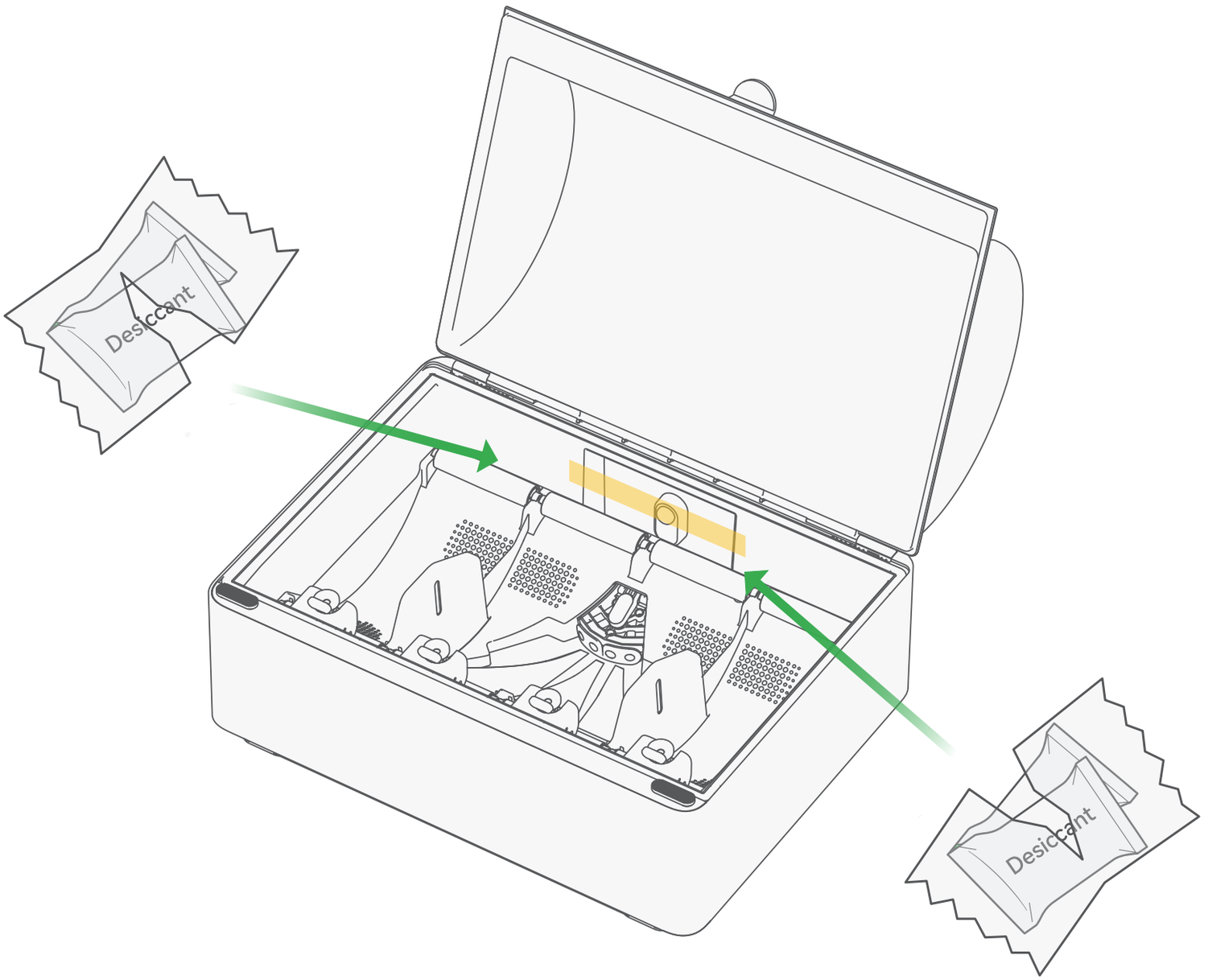
Install the AMS 2 Pro



③ Take out the Bambu Bus Cable 6-pin from the accessory box, and connect it to the printer and either 6-pin port of the AMS 2 Pro.

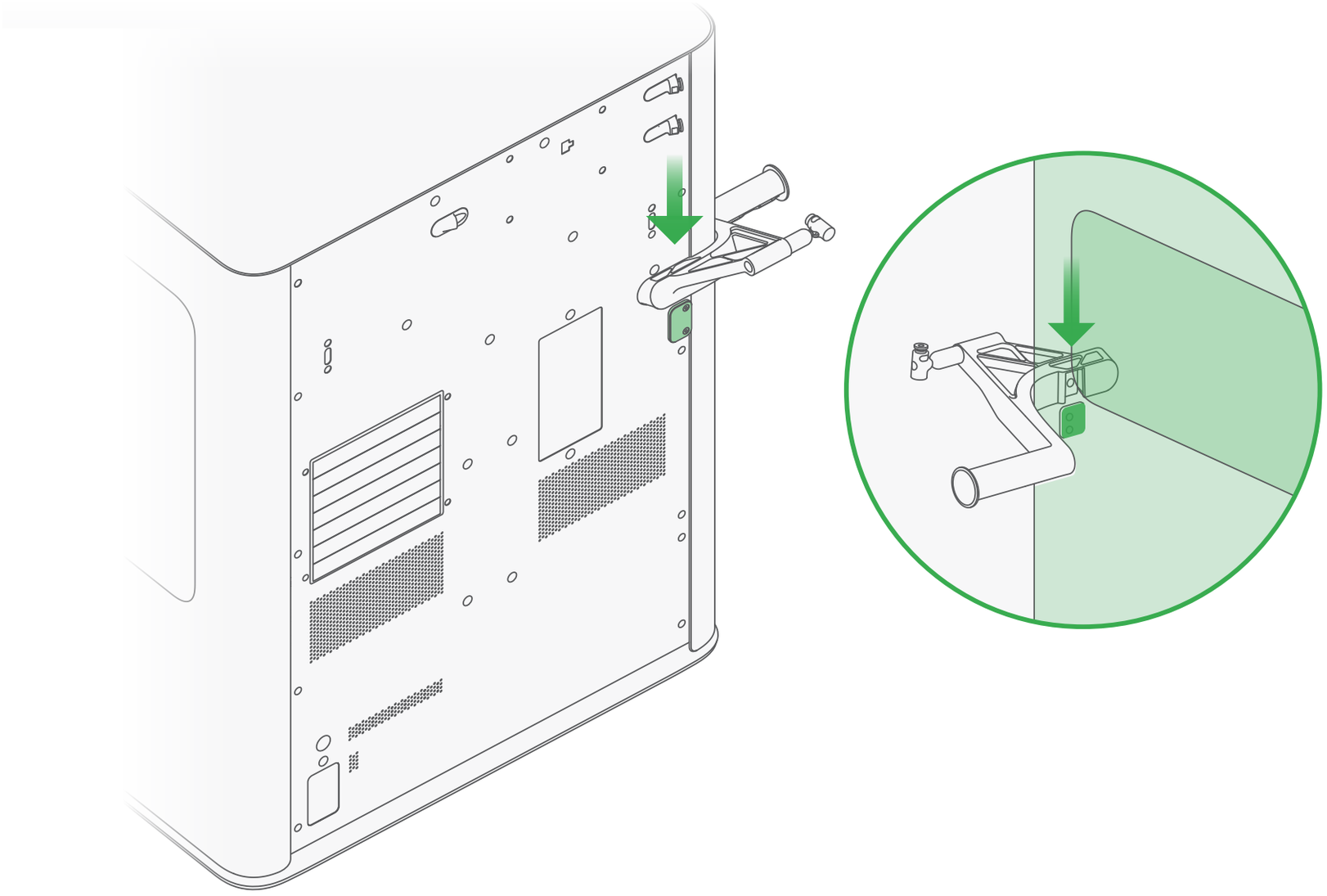
* The upper and lower PTFE tube couplers correspond to different hotends. Connecting the AMS 2 Pro to the upper coupler allows the right hotend to print in multiple colors, while connecting it to the lower coupler enables multi-color printing with the left hotend. Using two AMS 2 Pro units allows for both hotens to have multi-color capabilities.

Remove the desiccant packaging material



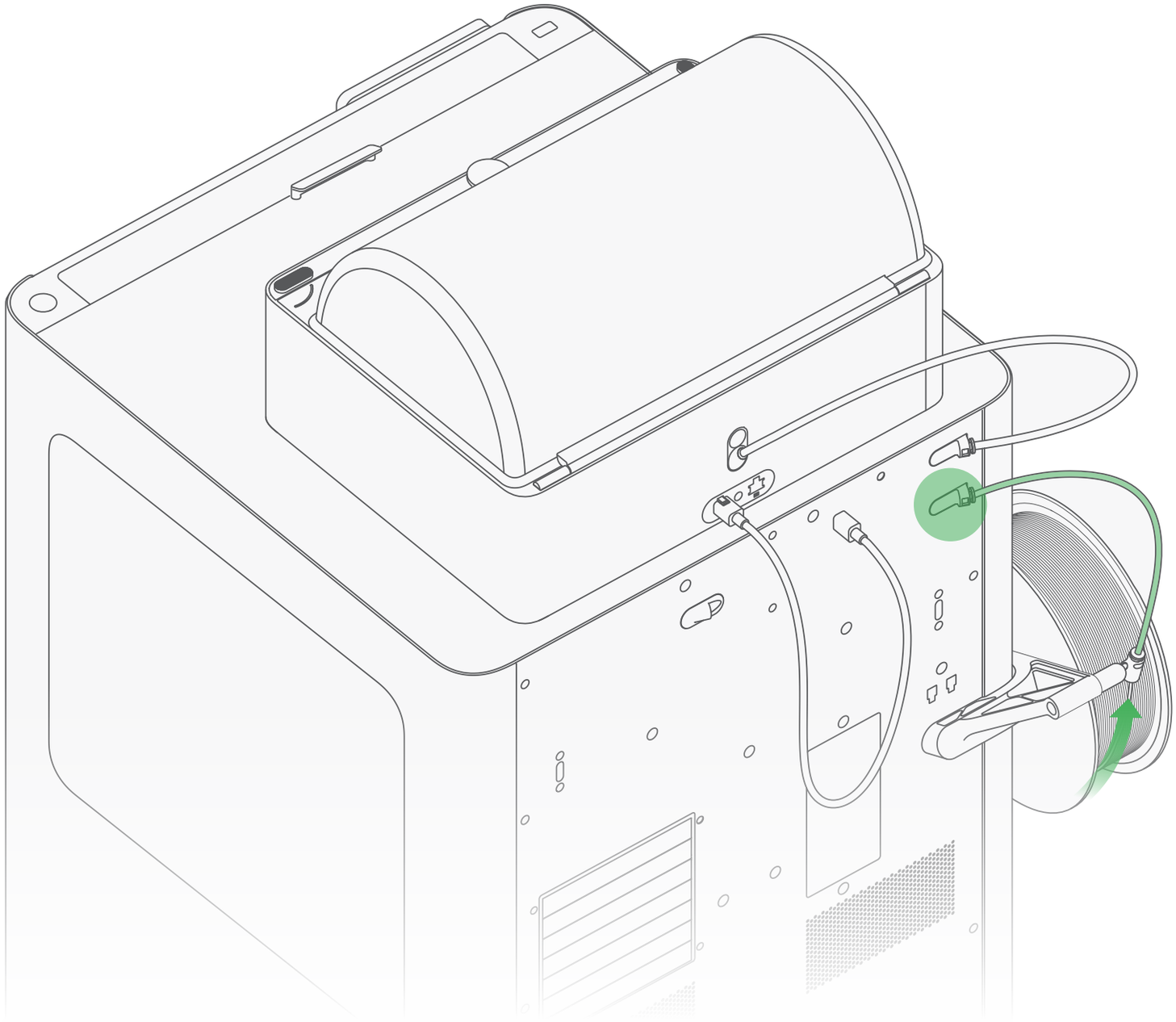
Remove the tape from the back of the AMS 2 Pro and take out the desiccant packs. Remove the outer plastic packaging material and install 2 packs of desiccant on each side of the empty space.

Install the spool holder



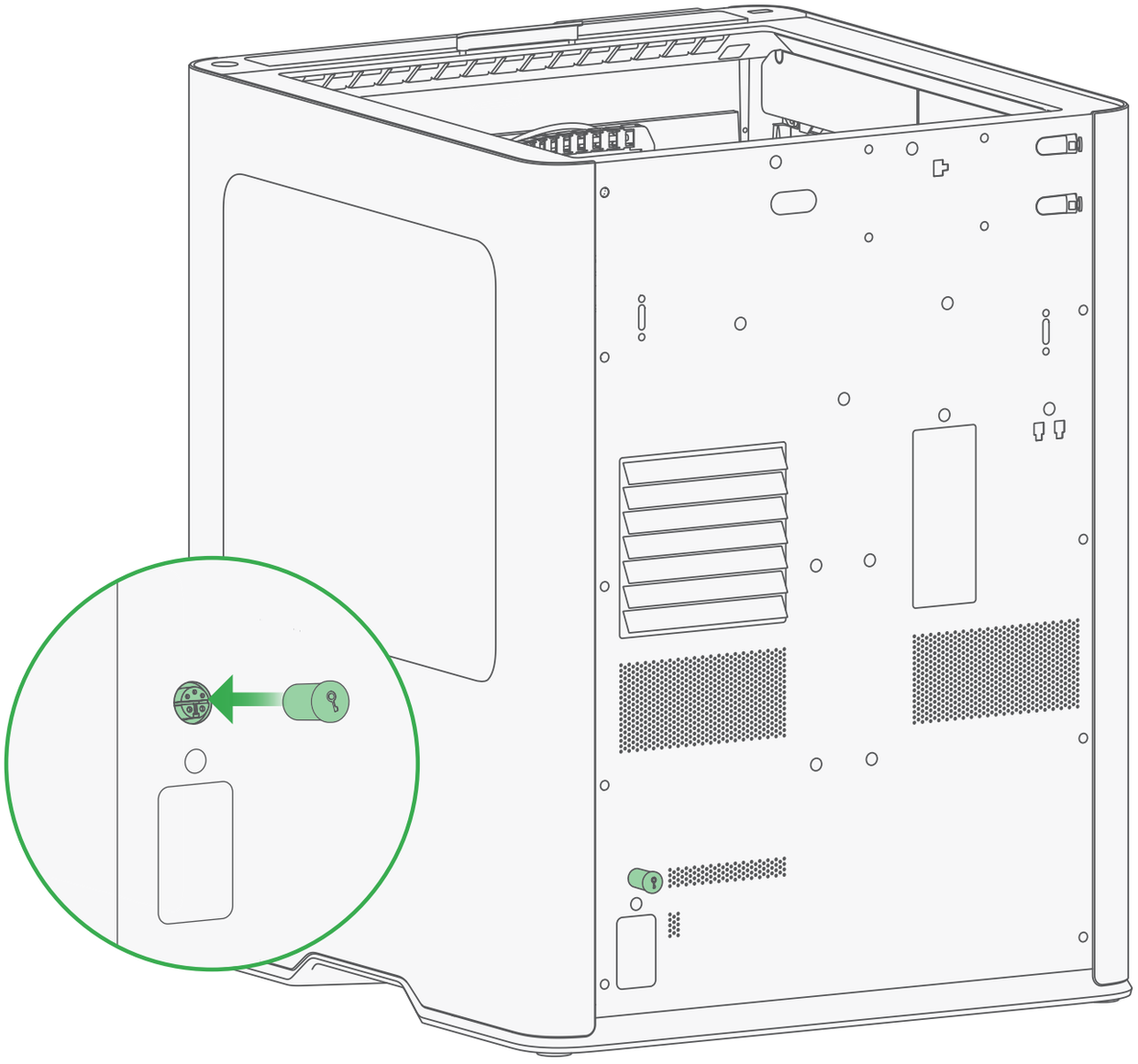
Take out the spool holder from the accessory box. Slide in the spool holder in the direction shown above.

Load filament from an external spool



If the printer is connected to the AMS 2 Pro, you can feed filament from an external spool using the additional lower coupler. Connect one end of the PTFE tube to the spool holder’s PTFE tube coupler and the other end to the printer, pushing it in until it stops. Next, insert the filament into the PTFE tube, and keep pushing until it enters the extruder and can no longer move forward.

Install the safety key



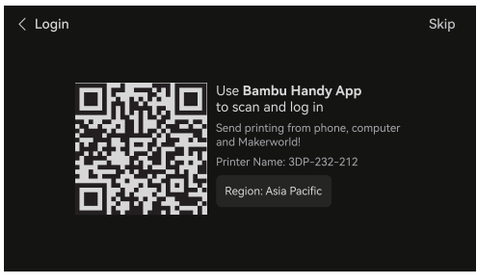
Take out the safety key from the accessory box, and insert it into the installation slot above the power socket.

Please do not skip this step. Otherwise the printer cannot be powered on.

Bind the printer - Bambu Handy

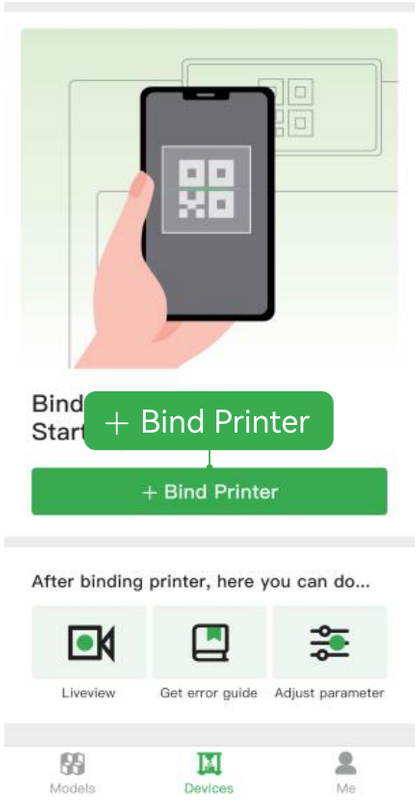
1. Scan the QR code on the right to download Bambu Handy. Register and log in to your Bambu Lab account.

2. Power on the printer. Follow the instructions on the screen until a QR code appears.



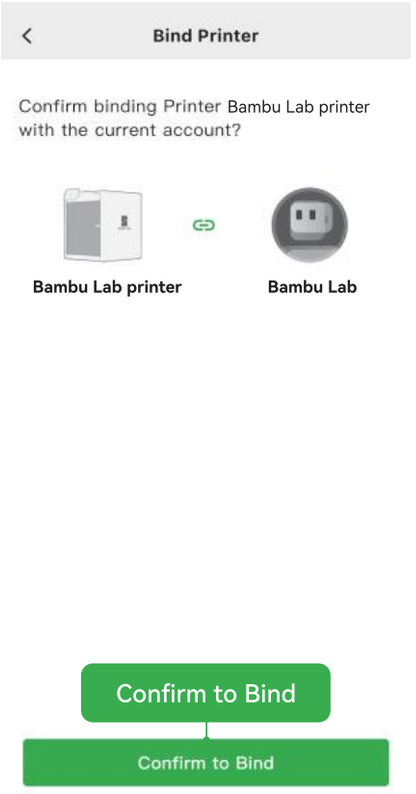
3. Scan the QR code on Bambu Handy to bind the printer to your Bambu Lab account.

①



②

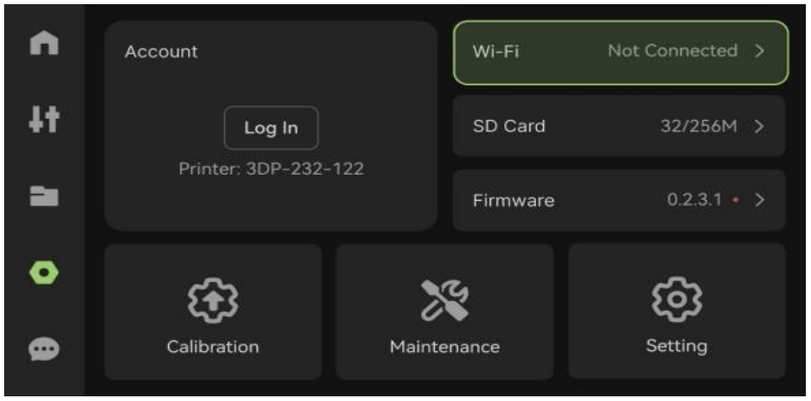
③



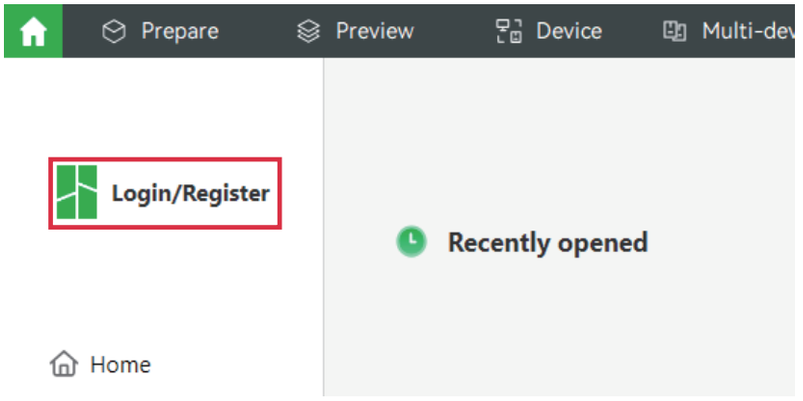
4. Follow the instructions on the screen to complete the initial calibration. It is normal to have vibration and noise during the process.

* DO NOT remove the foam under the heatbed until calibration is complete.

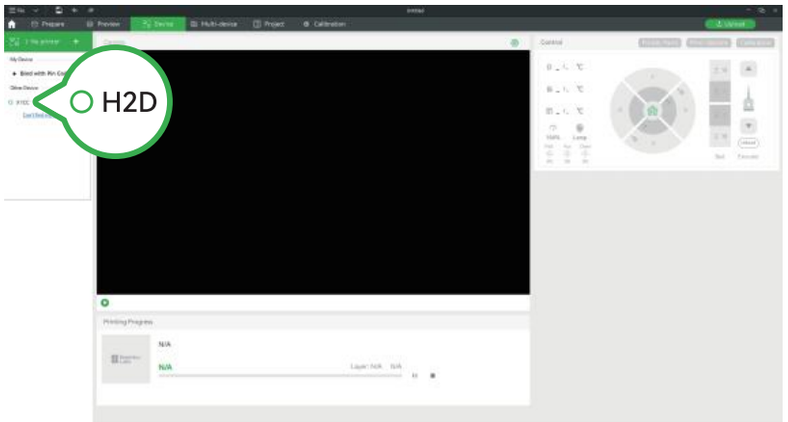
Bind the printer - Bambu Studio



1. Connect to the same wireless network on both the computer and printer.

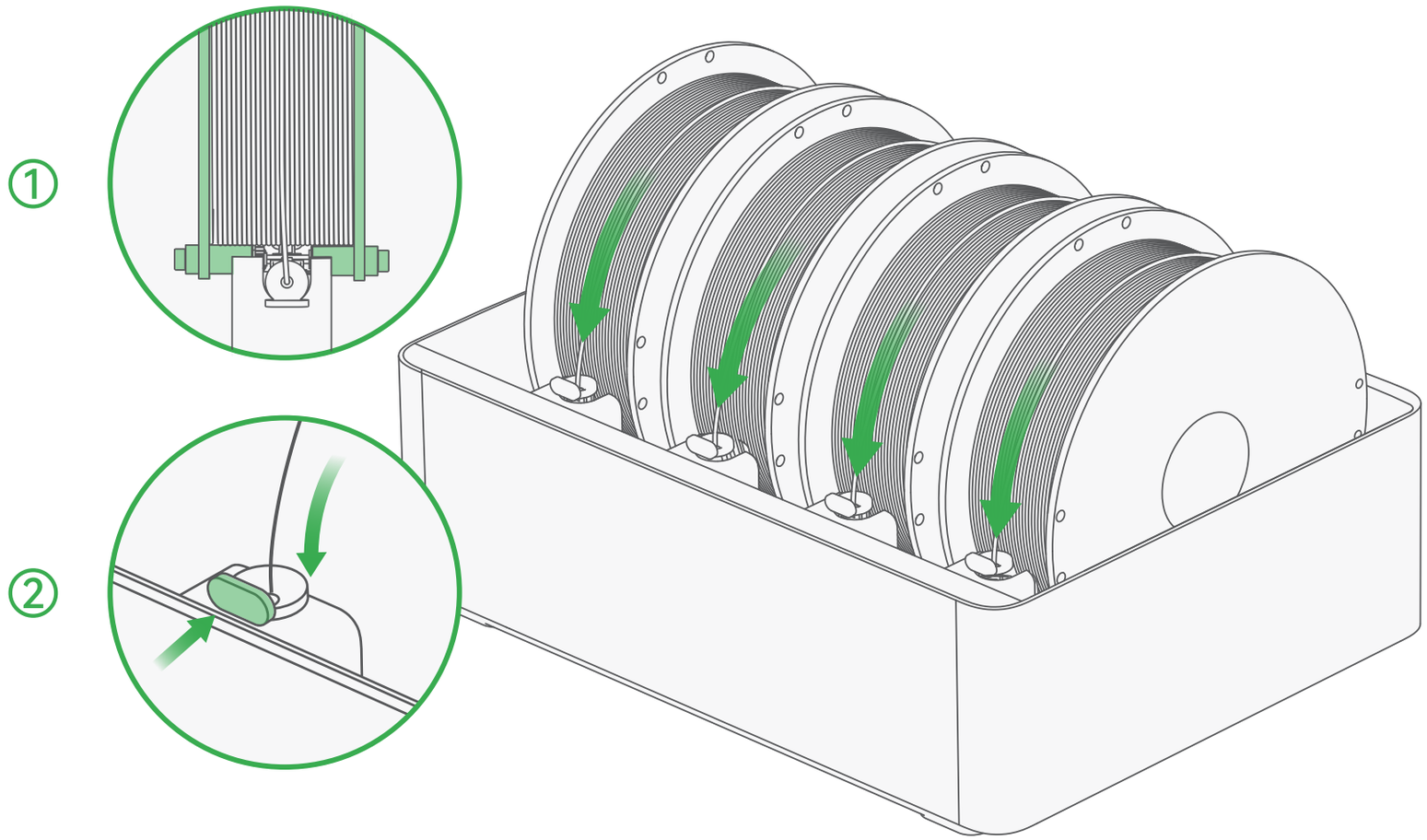


2. Download and install Bambu Studio. Register and log in to your Bambu Lab account.
bambulab.com/download/studio



3. Bambu Studio automatically discovers printers on the same network. Click it to bind it to your Bambu Lab account.

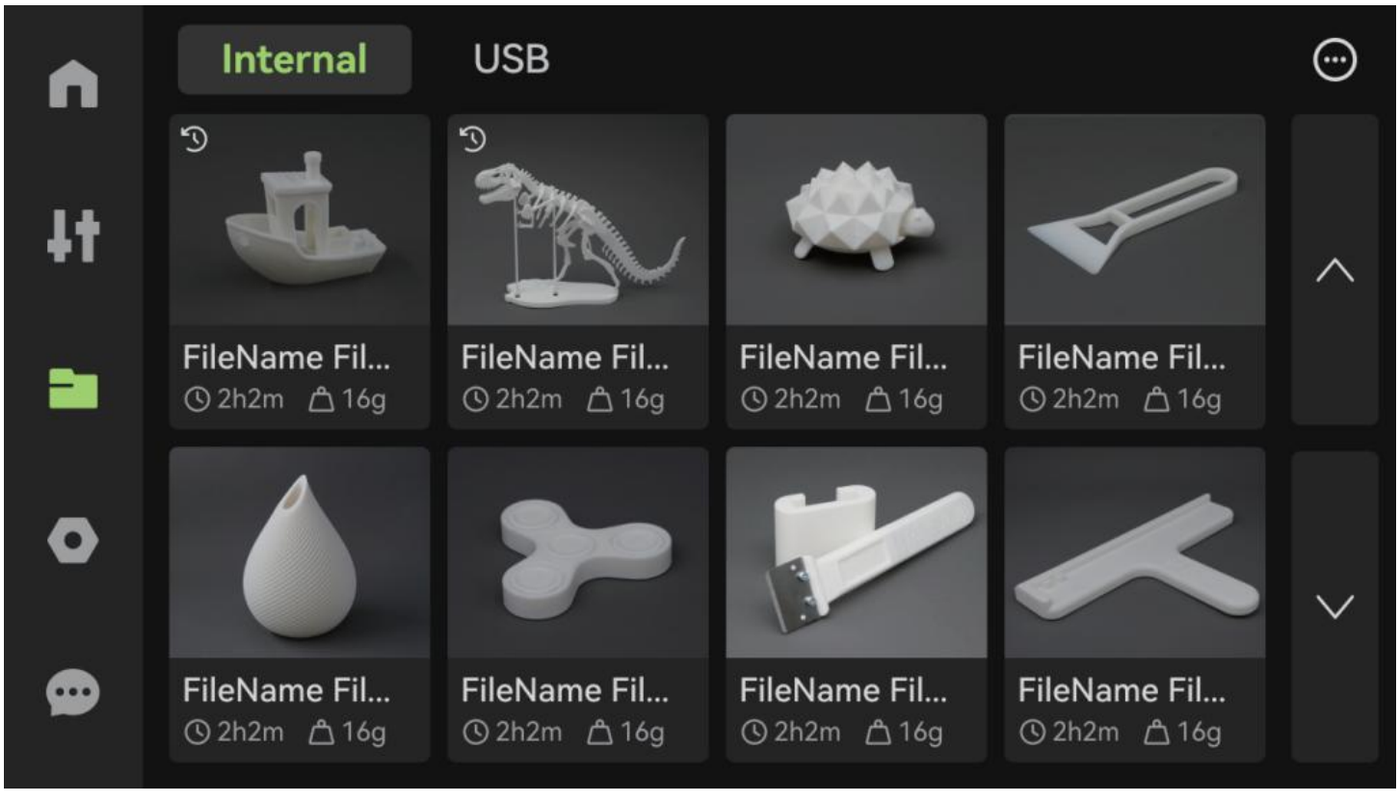
First print



① Power on the printer and place a spool of filament in any of the four slots. Make sure the spool is correctly placed on the active support shaft.

② Push the feeder tab towards the spool, and insert the filament. The AMS 2 Pro will pre-load it after it is detected. When the feeder LED light is on, the AMS is ready to print.

③

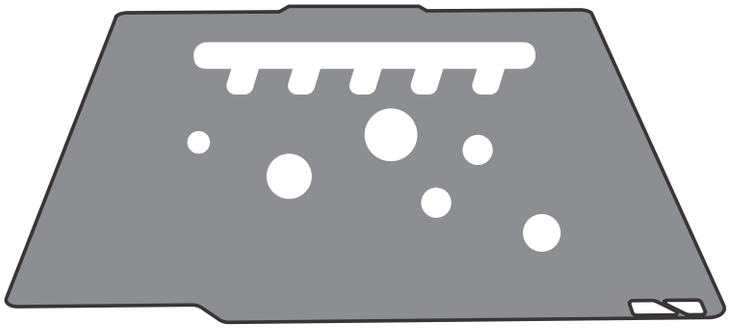


Select – Internal. Select a model to print.

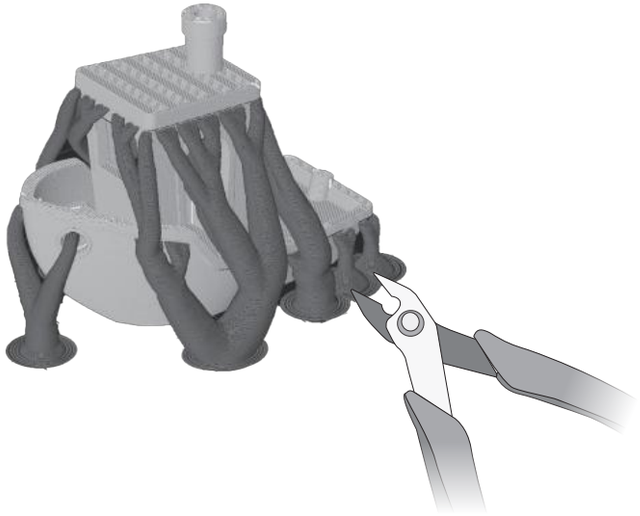
* If you have touched the surface of the plate with your hands, it is recommended to wash it with hot water and detergent first to ensure the best adhesion.

After-print operations

Wait until the build plate fully cools down to remove prints.



Wash the build plate regularly with hot water and detergent for best adhesion.



If there is a support structure used, remove it after the print is completed. It will be harder to remove if the filament absorbs moisture.

Regular maintenance

A 3D printer has a complex mechanical structure and numerous moving parts. Regular maintenance is essential to ensure stable operation and high-quality prints.

Metal Moving Parts:

- Lubricate lead screws, linear rods, guide rails, idler pulleys, and extruder gears regularly to prevent rust.
- Use lubricating oil for guide rails, linear rods, and idler pulleys, and apply lubricating grease to lead screws and extruder gears.

Consumables:

- Inspect plastic and rubber parts, such as filament cutters, for signs of wear, deformation, or aging.
- Replace consumable parts as needed, such as nozzle wipers and PTFE tubes, to maintain print quality.

Other Components:

- Check camera lenses, fans, and filament sensors for dust or debris.
- Clean fans with compressed air, and gently clean camera lenses using a microfiber cloth with isopropyl alcohol for optimal clarity.

bambulab.com/support/maintenance

For more detailed recommendations on printer maintenance, specific procedures and maintenance cycle, please refer to the "Regular Maintenance Recommendations" section on our wiki.

Specifications

Item		Specification
Printing Technology		Fused Deposition Modeling
Body	Build Volume (W*D*H)	Single Nozzle Printing: 325*320*325 mm^3 Dual Nozzle Printing: 300*320*325 mm^3 Total Volume for Two Nozzles: 350*320*325 mm^3
	Chassis	Aluminum and Steel
	Outer Frame	Plastic and Glass
Physical Dimensions	Physical Dimensions	492*514*626 mm^3
	Gross Weight	31 kg
Toolhead	Hotend	All Metal
	Extruder Gear	Hardened Steel
	Nozzle	Hardened Steel
	Max Nozzle Temperature	350 ℃
	Included Nozzle Diameter	0.4 mm
	Supported Nozzle Diameter	0.2 mm, 0.6 mm, 0.8 mm
	Filament Cutter	Built-in
	Filament Diameter	1.75 mm
	Extruder Motor	Bambu Lab High-precision Permanent Magnet Synchronous Motor
Heatbed	Build Plate Material	Flexible Steel Plate
	Included Build Plate Type	Textured PEI Plate
	Supported Build Plate Type	Textured PEI plate, Smooth PEI Plate
	Max Heatbed Temperature	120 ℃
Speed	Max Speed of Toolhead	1000 mm/s
	Max Acceleration of Toolhead	20,000 mm/s^2
Chamber Temperature Control	Active Chamber Heating	Supported
	Max Temperature	65 ℃
Air Purification	Pre-filter Grade	G3
	HEPA Filter Grade	H12
	Activated Carbon Filter Type	Granulated Coconut Shell
	VOC Filtration	Superior
	Particulate Matter Filtration	Supported

Specifications

Cooling	Part Cooling Fan	Closed Loop Control
	Cooling Fan for Hotend	Closed Loop Control
	Main Control Board Fan	Closed Loop Control
	Chamber Exhaust Fan	Closed Loop Control
	Chamber Heat Circulation Fan	Closed Loop Control
	Auxiliary Part Cooling Fan	Closed Loop Control
Supported Filament Type	PLA, PETG, TPU, PVA, BVOH	Optimal
	ABS, ASA, PC, PA, PET	Superior
	Carbon/Glass Fiber Reinforced PLA, PETG, PA, PET, PC, ABS, ASA	Superior
	PPA-CF/GF, PPS, PPS-CF/GF	Ideal
Sensor	Live View Camera	Built-in; 1920*1080
	Nozzle Camera	Built-in; 1920*1080
	Toolhead Camera	Built-in; 1920*1080
	Door Sensor	Supported
	Filament Run Out Sensor	Supported
	Filament Tangle Sensor	Supported
	Filament Odometry	Supported with AMS
	Power Loss Recovery	Supported
Electrical Requirements	Voltage	100-120 VAC/200-240 VAC, 50/60 Hz
	Max Power*	2200 W@220 V/1320 W@110 V
	Average Power	1050 W@220 V/1050 W@110 V
Electronics	Touchscreen	5-inch 720*1280 Touchscreen
	Storage	Built-in 8 GB EMMC and USB Port
	Control Interface	Touchscreen, mobile App, PC App
	Motion Controller	Dual-core Cortex-M4 and Single-core Cortex-M7
	Application Processor	Quad-core 1.5 GHz ARM A7
	Neural Processing Unit	2 TOPS
Software	Slicer	Bambu Studio Supports third-party slicers which export standard G-code, such as Super Slicer, PrusaSlicer and Cura, but certain advanced features may not be supported.
	Supported Operating System	MacOS, Windows

Specifications

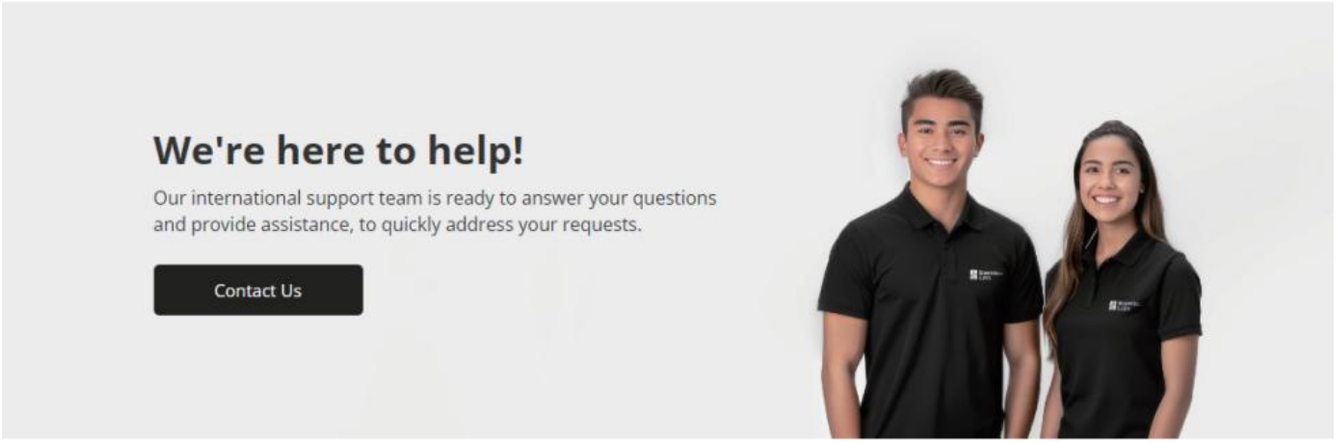
Network Control	Ethernet	Not Supported
	Wireless Network	Wi-Fi
	Network Kill Switch	Not Supported
	Removable Network Module	Not Supported
	802.1X Network Access Control	Not Supported
Wi-Fi	Operating Frequency	2412 - 2472 MHz, 5150 - 5850 MHz (FCC/CE) 2400 - 2483.5 MHz, 5150 - 5850 MHz (SRRC)
	Wi-Fi Transmitter Power (EIRP)	2.4 GHz: <23 dBm (FCC); <20 dBm (CE/SRRC/MIC) 5 GHz Band1/2: <23 dBm (FCC/CE/SRRC/MIC) 5 GHz Band3: <30 dBm (CE); <24 dBm (FCC) 5 GHz Band4: <23 dBm (FCC/SRRC); <14 dBm (CE)
	Wi-Fi Protocol	IEEE 802.11 a/b/g/n

* To ensure the heatbed quickly reaches the needed temperature, the printer will maintain maximum power for about 3 minutes.

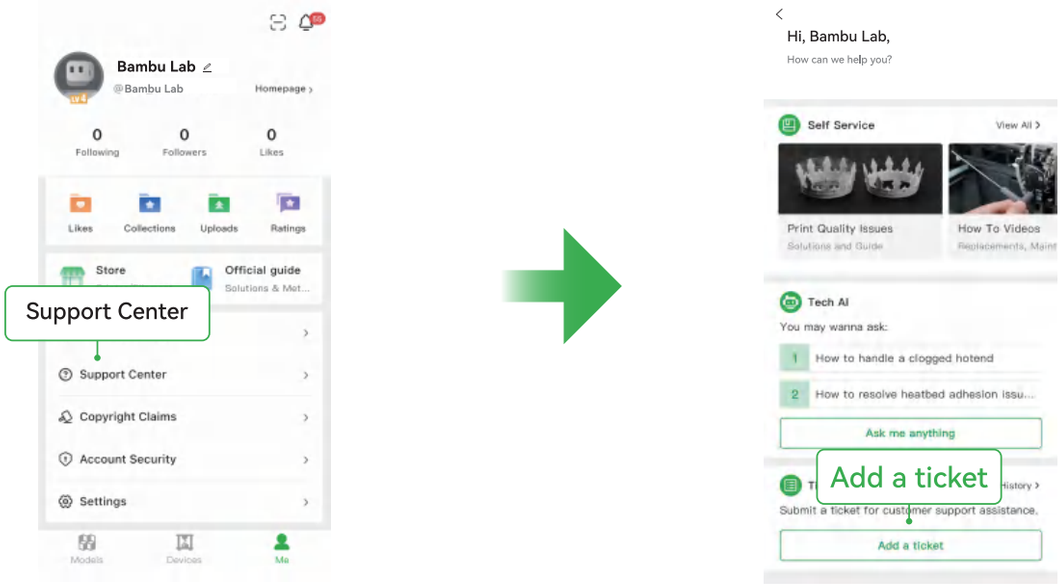
Technical Support

If you need technical support, please follow either of the following methods:

Method 1: Get in touch by using the Contact Us button in our Support Center.
bambulab.com/support



Method 2: Create a support ticket on Bambu Handy, from the Support Center section.



You can also visit the Bambu Lab Wiki for more tutorials and maintenance guidance.
wiki.bambulab.com/home

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