

Bambu Lab P1S Combo

Bambu Lab P1S + AMS (Combo) 3D Printer User Manual

Model: P1S Combo

INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your Bambu Lab P1S + AMS (Combo) 3D Printer. Please read this manual thoroughly before operating the device to ensure safe and optimal performance.

KEY FEATURES

- Fully enclosed body for enhanced printing performance with advanced filaments. Designed for high-temperature printing.
- Ready-to-use performance: The printer is designed for immediate operation, featuring automatic bed leveling and vibration compensation.
- Multi-color printing capability: The AMS (Automatic Material System) combo enables multi-color printing, supporting up to 16 colors with multiple AMS units.
- Fast printing with exceptional quality: Utilizes advanced control algorithms, including vibration compensation and pressure advance, for high-speed printing without compromising quality.
- Maximum extruder speed: 500 mm/s.
- Maximum extruder acceleration: 20 m/s².

SETUP GUIDE

The Bambu Lab P1S + AMS (Combo) is designed for ease of setup. Follow these general steps for initial preparation:

1. **Unboxing and Placement:** Carefully remove the printer and AMS unit from its packaging. Place the printer on a stable, level surface with adequate space around it for ventilation and access.
2. **Power Connection:** Connect the power cable to the printer and a suitable power outlet. The printer supports 100-240 VAC, 50/60 Hz. Note that the power plug standard may vary by region; an adapter or alternative cable might be required for some national standards.
3. **AMS Connection:** Connect the AMS unit to the printer according to the included quick start guide. Ensure all filament tubes are properly seated.
4. **Initial Power On:** Power on the printer. The system will perform initial self-checks and calibrations, including

automatic bed leveling and vibration compensation.

5. **Filament Loading:** Load your desired filament into the AMS unit. The printer supports 1.75 mm filament diameter and is ideal for PLA, PETG, TPU, PVA, PET, ABS, ASA.
6. **Software Installation:** Install the Bambu Studio slicing software on your computer (Windows, macOS, Linux) or the Bambu Handy app on your mobile device (Android, iOS) for remote control and monitoring.



Image: The Bambu Lab P1S 3D printer with the AMS unit positioned on top, ready for operation on a workspace.

OPERATING INSTRUCTIONS

Operating the Bambu Lab P1S + AMS (Combo) involves preparing your 3D model, sending it to the printer, and monitoring the print process.

1. **Model Preparation:** Use Bambu Studio to import your 3D model (e.g., STL, OBJ). Configure print settings such as layer height, infill, and supports. For multi-color prints, assign different filaments to parts of your model using the AMS features in the software.

2. **Slicing:** Slice the model in Bambu Studio. The software will generate the G-code instructions for the printer.
3. **Sending to Printer:** Send the sliced G-code to your P1S printer via Wi-Fi or SD card.
4. **Starting Print:** On the printer's interface, select the desired print job and confirm. The printer will initiate the pre-print sequence, including heating the hotend and build plate, and performing any necessary calibrations.
5. **Monitoring:** Monitor the print progress through the printer's display, Bambu Handy app, or Bambu Studio. The printer's enclosed design helps maintain a stable printing environment.
6. **Print Completion:** Once the print is complete, allow the build plate to cool before carefully removing the printed object.

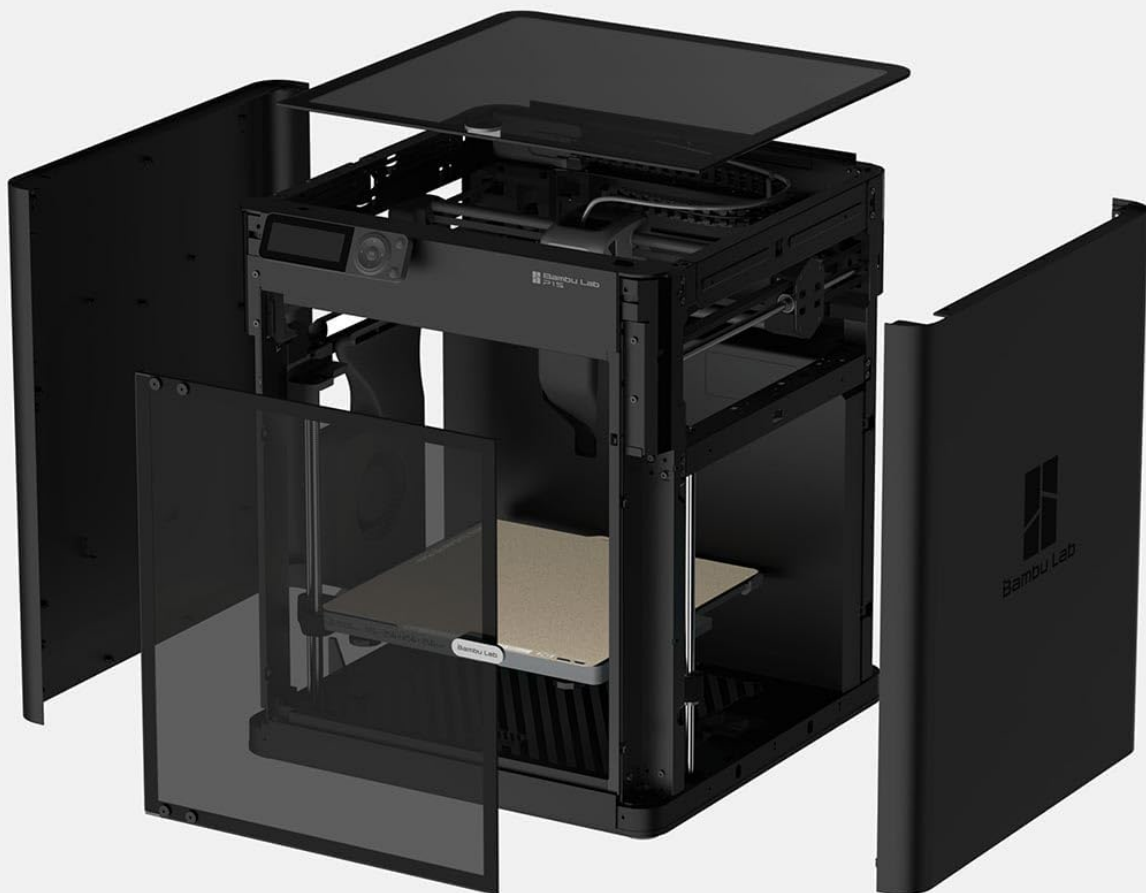


Image: Front view of the Bambu Lab P1S 3D printer, showcasing its enclosed build volume and user interface.



Image: Side view of the Bambu Lab P1S 3D printer, highlighting its robust enclosed structure.

MAINTENANCE

Regular maintenance ensures the longevity and consistent performance of your 3D printer.

- **Build Plate Cleaning:** Clean the textured PEI build plate after each print with isopropyl alcohol to ensure good adhesion for subsequent prints.
- **Nozzle Inspection:** Periodically inspect the 0.4 mm stainless steel nozzle for wear or clogs. Replace if necessary.
- **Hotend Maintenance:** The all-metal hotend is designed for durability. Ensure it is free from filament residue. The maximum hotend temperature is 300°C.
- **Motion System Lubrication:** Refer to the official Bambu Lab guides for recommended lubrication schedules for the linear rails and lead screws.
- **AMS Maintenance:** Keep the AMS unit clean and free of dust. Ensure filament paths are clear and the internal sensors are functioning correctly.

- **Firmware Updates:** Regularly check for and install firmware updates to ensure optimal performance and access to new features.



Image: Rear view of the Bambu Lab P1S 3D printer, showing the power input and other connections, important for maintenance access.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Bambu Lab P1S + AMS (Combo).

- **Print Adhesion Issues:**
 - Ensure the build plate is clean and free of oils.
 - Verify the bed temperature is appropriate for the filament type (max 100°C).
 - Check for proper first layer calibration.
- **Filament Clogging:**
 - Ensure the hotend temperature is correct for the filament.

- Check for debris in the nozzle or hotend.
- Verify the filament path from the AMS to the hotend is clear.

- **Layer Shifting:**

- Check belt tension and ensure no obstructions in the print path.
- Reduce print speed if necessary, especially for complex geometries.

- **AMS Filament Loading Issues:**

- Ensure filament spools are not tangled.
- Check that the filament is properly inserted into the AMS slots.
- Clean any dust or debris from the AMS internal mechanisms.

- **Connectivity Problems:**

- Ensure the printer is connected to your Wi-Fi network.
- Restart the printer and your router.
- Verify firewall settings on your computer are not blocking communication with Bambu Studio or the printer.

SPECIFICATIONS

Feature	Detail
Brand	Bambu Lab
Model	P1S Combo
Build Volume (L×W×H)	256 x 256 x 256 mm
Nozzle Diameter	0.4 mm Stainless Steel
Hotend Type	All-Metal
Max Hotend Temperature	300 °C
Filament Diameter	1.75 mm
Supported Filaments	PLA, PETG, TPU, PVA, PET, ABS, ASA
Build Plate Surface	Bambu Textured PEI Plate (included)
Max Build Plate Temperature	100 °C
Max Extruder Speed	500 mm/s
Max Extruder Acceleration	20 m/s ²
Physical Dimensions (P1S)	389 x 389 x 458 mm ³
Net Weight	12.95 kg (P1S), 21.60 kg (P1S Combo with AMS)
Electrical Requirements	100-240 VAC, 50/60 Hz, 1000 W (at 220V), 350 W (at 110V)
Operating System Compatibility	Windows, macOS, Linux, Android, iOS
Material	Carbon Steel

WARRANTY INFORMATION

Bambu Lab products typically come with a standard manufacturer's warranty covering defects in materials and workmanship. For specific warranty terms, duration, and conditions, please refer to the official Bambu Lab website or the warranty card included with your product. Extended warranty options may also be available for purchase separately.

SUPPORT

For technical assistance, troubleshooting beyond this manual, or general inquiries, please contact Bambu Lab customer support through their official website. Online resources, including FAQs, forums, and detailed guides, are also available to assist you.

Official Website: bambulab.com

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Documents - Bambu Lab – P1S Combo

3D Printer User Manual

BML-24026

3D printer - Bambu Lab P1S Combo

1. Usage Information and Warnings

a. Do not touch the nozzle or heated bed while the printer is operating to avoid burns and bodily injury caused by high temperatures.

b. Do not place the printer near heat sources or flammable or explosive materials. It is suggested to place it in a well-ventilated, cool, and dust-free place.

c. Do not wear gloves or rings while operating the device to prevent entanglement with moving parts, which could cause crushing and cutting of body parts.

d. Be careful of the high-speed moving parts of the device to avoid potential risk of entrapment.

e. Children under the age of 10 should not use the printer without supervision, as it may cause bodily injury.

f. Perform regular maintenance on the printer. Cleaning the device body with a dry cloth to remove dust and any sticky filament residue. Before cleaning, make sure the printer is turned off and fully cooled.

g. To ensure safe operation of the device, make sure it is properly grounded. Improper grounding or potential negligence may increase the risk of electric leakage.

h. Do not expose the printer to sudden vibrations or other adverse conditions, as this may result in poor print quality.

i. If the device will not be used for a long time, turn off the power and disconnect the power cord.

2. Unpacking and Assembly

a. **Unpacking** - checking the completeness of the set and the condition of the elements.

b. **Wiring** - connecting the device to the power supply.

c. **Startup and Calibration** - checking the operation of the printer and its calibration.

d. **Test Print** - loading the filament and performing a test print.

3. Intended Use

The product is intended to be used within the parameter ranges provided by the manufacturer and should only be used by qualified personnel trained to operate the product. Before each use, check the product for damage and do not use it if any defects are found. Failure to follow the manufacturer's guidelines may cause potential damage to the product.

4. Technical Specification

Product Code	BML-24026
EAN13	6975597039105
Weight	22.250000 kg

Bambu Lab P1S Combo 3D Printer User Manual

User manual for the Bambu Lab P1S Combo 3D printer, covering usage information, warnings, unpacking, assembly, intended use, technical specifications, and contact information.

lang:en score:46 filesize: 107.43 K page_count: 2 document date: 2025-07-28

Bedienungsanleitung für 3D-Drucker

BML-24026

3D-Drucker - Bambu Lab P1S Combo

1. Nutzungsinformationen und Warnungen

a. Berühren Sie die Düse oder den Heißeis während des Betriebs des Druckers nicht, um Verbrennungen und Verletzungen durch hohe Temperaturen zu vermeiden.

b. Stellen Sie den Drucker nicht in der Nähe von Wärmequellen oder brennbaren oder explosiven Materialien auf. Wir empfehlen, ihn an einem gut belüfteten, kühlen und staubfreien Ort aufzustellen.

c. Tragen Sie bei der Bedienung des Geräts keine Handschuhe oder Schmuck, um ein Einklemmen von Fingern oder zu vermeiden, da Druckstangen und Schrittmotoren sehr schnell drehen können.

d. Achten Sie auf die sich schnell bewegenden Teile des Geräts, um mögliche Einklemmungen zu vermeiden.

e. Kinder unter 10 Jahren sollten den Drucker nicht ohne Aufsicht benutzen, da dies zu Verletzungen führen kann.

f. Führen Sie regelmäßige Wartungsarbeiten am Drucker durch und reinigen Sie das Geräterahmen mit einem trockenen Tuch, um Staub und kleine Filamentreste zu entfernen. Stellen Sie vor der Reinigung sicher, dass der Drucker ausgeschaltet und vollständig abgekühlt ist.

g. Um einen sicheren Betrieb des Geräts zu gewährleisten, stellen Sie sicher, dass es ordnungsgemäß geerdet ist. Eine unsachgemäße Erdung oder mögliche Überspannung kann das Risiko eines Stromschlags erhöhen.

h. Stellen Sie den Drucker keinen starken Vibrationen oder anderen ungünstigen Bedingungen aus, da dies zu einer schlechten Druckqualität führen kann.

i. Wenn das Gerät länger Zeit nicht benutzt wird, schalten Sie es aus und sehen Sie das Handbuch ab.

2. Auspacken und Montage

a. **Auspacken** - Überprüfung der Vollständigkeit des Sets und des Zustands der Elemente.

b. **Anschluss der Verkabelung** - Anschluss des Geräts an die Stromversorgung.

c. **Initialkalibrierung und Kalibrierung** - Überprüfung des Betriebs des Druckers und seine Kalibrierung.

d. **Testdruck** - Laden des Filaments und Durchführung eines Tests.

3. Verwendungszweck

Das Produkt ist für die Verwendung innerhalb der vom Hersteller vorgesehenen Parameterbereiche bestimmt und sollte nur von qualifiziertem Personal verwendet werden, das für die Bedienung dieses Produkts geschult ist. Vor jedem Gebrauch sollte das Produkt auf Schäden überprüft werden und nicht verwendet werden, wenn irgendwelche Mängel festgestelt werden. Die Nichtbeachtung der Herstelleranweisungen kann zu potenziellen Produktschäden führen.

4. Technische Spezifikationen

[pdf] User Manual Instructions

Instructions 3D Drucker Bambu Lab P1S Combo instructions gprs 24026 2025 08 16botland pl module bl id lang 4 product |||

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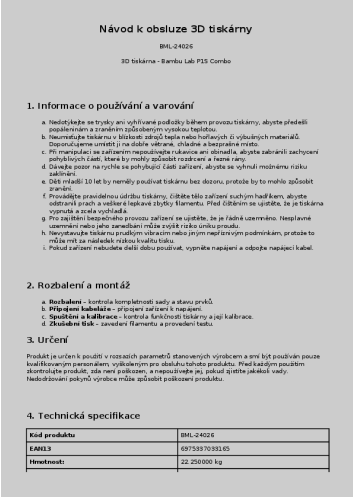
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[Bambu Lab P1S-Combo 3D Printer Quick Start Guide](#)

A comprehensive quick start guide for the Bambu Lab P1S-Combo 3D Printer, covering unboxing, assembly, setup, and first print instructions.

lang:en score:39 filesize: 21.42 M page_count: 21 document date: 2023-07-13



[\[pdf\] Instructions](#)

Instructions 3D tiskárna Bambu Lab P1S Combo Botland Návod k obsluze tiskárny BML 24026 1

Informace o používání a varování Nedotýkejte se trysky ani vyhřívané podložky instructions gprs 2025 07 28 botland pl module bl id lang 3 product |||

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Neumisujte tiskrnu v blzkosti zdroj tepla nebo holavch ci vbusnch mat...

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[Bambu Lab P1S-Combo 3D Printer Quick Start Guide](#)

A comprehensive quick start guide for the Bambu Lab P1S-Combo 3D Printer, covering assembly, setup, and first print instructions.

lang:en score:38 filesize: 8.47 M page_count: 21 document date: 2025-04-07



[Bambu Lab P1S-Combo 3D Printer Quick Start Guide](#)

A comprehensive quick start guide for the Bambu Lab P1S-Combo 3D printer, covering unboxing, assembly, setup, and first print instructions.

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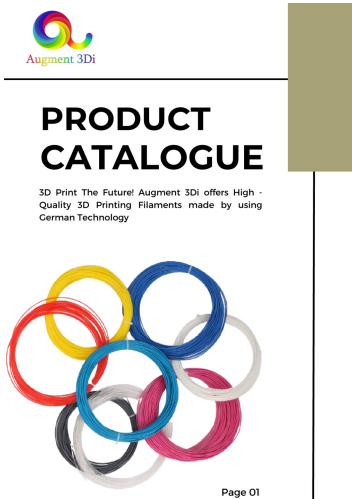


[\[pdf\]](#) Quick Start Guide Guide

Quick Start Guide for P1S Combo BambuLab 3D Drucker inkl Software integrierte Kamera beheizbares Druckbett App Anbindung Filament Conrad Electronic Schweiz bedienungsanleitung 3123313 bambulab p1s combo 3d drucker software kamera druckbett app anbindung i asset conrad media10 add 160267 c1 gl 003123313ML00 filament |||

P1S-Combo 3D Printer Quick Start Please review the entire guide before operating the printer. Safety Notice: Do not connect to power until assembly is complete. When operating the AMS, we recommend using Bambu Filament, which has been thoroughly tested to work with the AMS. Please make sure to av...

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