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SainSmart PrintyGo

SainSmart PrintyGo Mini 3D Printer User Manual

Model: PrintyGo

1. Introduction

Welcome to the SainSmart PrintyGo Mini 3D Printer user manual. This guide provides essential information for setting up, operating, maintaining, and troubleshooting your PrintyGo Mini 3D Printer. Designed for ease of use and safety, the PrintyGo Mini is ideal for beginners and children, fostering creativity and STEM learning. Please read this manual thoroughly before using the printer to ensure optimal performance and safety.



Image: The SainSmart PrintyGo Mini 3D Printer in use, demonstrating its child-friendly design and appeal.

2. Safety Instructions

Your safety is paramount. Observe the following precautions:

- **Child Safety Lock:** The printer features a fully enclosed casing and a child safety lock that pauses printing if the door is opened, preventing contact with moving or hot parts.
- **Material Safety:** Use non-toxic, eco-friendly PLA filament.
- **Ventilation:** Ensure the printer is used in a well-ventilated area.
- **Power Supply:** Use only the provided power adapter and ensure the voltage matches local requirements (220 Volts).
- **Supervision:** Children should always be supervised by an adult when operating the printer.
- **Placement:** Place the printer on a stable, level surface away from flammable materials and direct sunlight.



Image: Demonstration of the child safety lock, which automatically stops printing when the door is opened.

3. Setup

The SainSmart PrintyGo Mini 3D Printer comes pre-assembled for quick setup. Follow these steps to get started:

1. **Unboxing:** Carefully remove the printer from its packaging. Ensure all components listed in the "What's in the Box" section are present.
2. **Placement:** Place the printer on a stable, flat surface.
3. **Power On:** Connect the power adapter to the printer and a suitable power outlet. Press the power button to turn on the device.
4. **Filament Loading:** Insert the PLA filament into the designated slot. The printer will guide you through the loading process on the touchscreen until the filament extrudes smoothly.
5. **Network Connection (Optional):** For Wi-Fi and app control, connect the printer to your local Wi-Fi network via the touchscreen interface.



Image: Visual guide for the four simple steps to use the printer: Power On, Load Filament, Pick & Print, and Remote Monitoring.

4. Operating Instructions

The PrintyGo Mini is designed for intuitive operation, even for beginners.

4.1. Interactive Touchscreen

Navigate the printer's functions using the 12.7 cm interactive touchscreen. It provides access to pre-loaded models, settings, and printing status.



Image: The interactive touchscreen display, showing its user-friendly interface.

4.2. Selecting and Printing Models

- **Pre-loaded Models:** The printer comes with a library of over 1500 pre-loaded 3D models, updated weekly. Browse and select your desired model directly from the touchscreen.
- **One-Click Printing:** After selecting a model, initiate printing with a single tap. The printer features auto-leveling for a hassle-free start.
- **Custom Models:** The printer is compatible with professional slicing software like Cura for printing your own designs (STL, OBJ, GCODE file formats supported).



Image: A selection of the 1500+ kid-friendly models available for printing, regularly updated.

4.3. Wi-Fi and App Control

Control and monitor your prints remotely using the dedicated Wi-Fi app. This allows you to start, pause, or stop prints from your smartphone or tablet.



Image: The printer's smart connectivity features, including Wi-Fi and app compatibility.

4.4. Printing Speed

The PrintyGo Mini offers fast printing speeds of up to 600 mm/s, allowing for quick creation of models.



Image: The printer's high-speed printing capability of 600 mm/s.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your PrintyGo Mini 3D Printer.

- **Cleaning the Print Bed:** After each print, carefully remove any residual filament or adhesive from the print bed. A soft cloth and isopropyl alcohol can be used for cleaning.
- **Nozzle Cleaning:** If you notice issues with extrusion, the nozzle may be partially clogged. Refer to the online support resources for detailed nozzle cleaning procedures.
- **Exterior Cleaning:** Wipe the exterior of the printer with a soft, dry cloth to keep it free from dust.
- **Filament Storage:** Store unused filament in a dry, cool place to prevent moisture absorption, which can affect print quality.

6. Troubleshooting

If you encounter issues with your PrintyGo Mini, refer to the common problems and solutions below:

Problem	Possible Cause	Solution
Printer does not power on.	Power cable not connected, power outlet issue.	Ensure power cable is securely connected. Test the power outlet with another device.
Filament not extruding or getting stuck.	Incorrect filament loading, clogged nozzle, tangled filament.	Re-load filament carefully. Check for nozzle clogs and clean if necessary. Ensure filament spool is untangled.
Print not adhering to the print bed.	Print bed not clean, incorrect bed leveling (though auto-leveling is present, manual adjustment might be needed in rare cases), incorrect print settings.	Clean the print bed thoroughly. Ensure the first layer settings are appropriate for good adhesion.
Screen not functioning.	Shipping damage, software issue.	If newly unboxed, contact customer support for assistance. Try restarting the printer.
App connectivity issues.	Incorrect Wi-Fi settings, app not available in your region.	Verify Wi-Fi connection on the printer and your device. Check app store for regional availability or contact support.

7. Specifications

Feature	Detail
Brand	SainSmart
Model	PrintyGo
Product Dimensions (W x D x H)	195mm x 275mm x 270mm
Build Volume (W x D x H)	100mm x 100mm x 90mm
Product Weight	4.13 kg (approx. 9.1 lbs)
Operating System Compatibility	Windows, macOS, Linux
Compatible Devices	Personal Computer
Included Components	3D Printer
Voltage	220 Volts
Connectivity Type	Wi-Fi
Material Type (Printer Casing)	Acrylic
Compatible Filament Material	Acrylonitrile Butadiene Styrene (ABS), Polyethylene Terephthalate Glycol (PETG), Polylactic Acid (PLA)
Supported File Formats	STL, OBJ, GCODE
Country/Region of Origin	China



Image: Detailed dimensions of the PrintyGo Mini 3D Printer and its build volume.

8. Warranty and Support

For warranty information and technical support, please refer to the official SainSmart website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

Online Resources: Visit the SainSmart official website for FAQs, updated drivers, and additional support materials.

Customer Service: If you require further assistance, please contact SainSmart customer support.

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