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Easythreed NANO

Easythreed Nano Plus 3D Printer User Manual

Model: NANO

INTRODUCTION

The Easythreed Nano Plus is a compact and user-friendly 3D printer designed for beginners and children. Its lightweight and portable design, combined with simple one-key operation, makes 3D printing accessible. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Easythreed Nano Plus 3D printer.



Image: The Easythree Nano Plus 3D Printer, a compact white unit with a black print head and an external filament spool holder.

Small and Protable

ultla-lightweight,easy to carry
you can take it to anywhere



Image: A diagram showing the compact dimensions of the Easythreed Nano Plus 3D Printer: 188mm width, 188mm depth, and 198mm height, highlighting its small and portable nature.

SETUP

1. Unboxing and Components

Carefully unpack all components from the box. Verify that all items are present:

- Easythreed Nano Plus 3D Printer
- Filament spool (typically 250g PLA)
- Power adapter
- USB cable
- Micro SD card and adapter
- Screwdriver
- Spatula/scrapper tool

- Filament spool holder brackets (2)



Image: The Easythreed Nano Plus 3D Printer displayed with its included accessories: power adapter, filament spool, USB cable, screwdriver, filament holder brackets, and a scraper tool.

2. Assembly

The Easythreed Nano Plus comes largely pre-assembled. The primary assembly required is attaching the two brackets for the PLA material tray (filament spool holder).

1. Locate the two filament spool holder brackets.
2. Attach them securely to the designated slots on the printer.
3. Place the filament spool onto the assembled holder.

3. Initial Power On and Software

1. Connect the power adapter to the printer and a power outlet.
2. Insert the provided Micro SD card into the printer's SD card slot. Ensure contacts are facing up. The slot is located at the back of the machine.

3. It is recommended to copy the software from the SD card to your computer before first use. The SD card contains the necessary slicing software and electronic instructions.

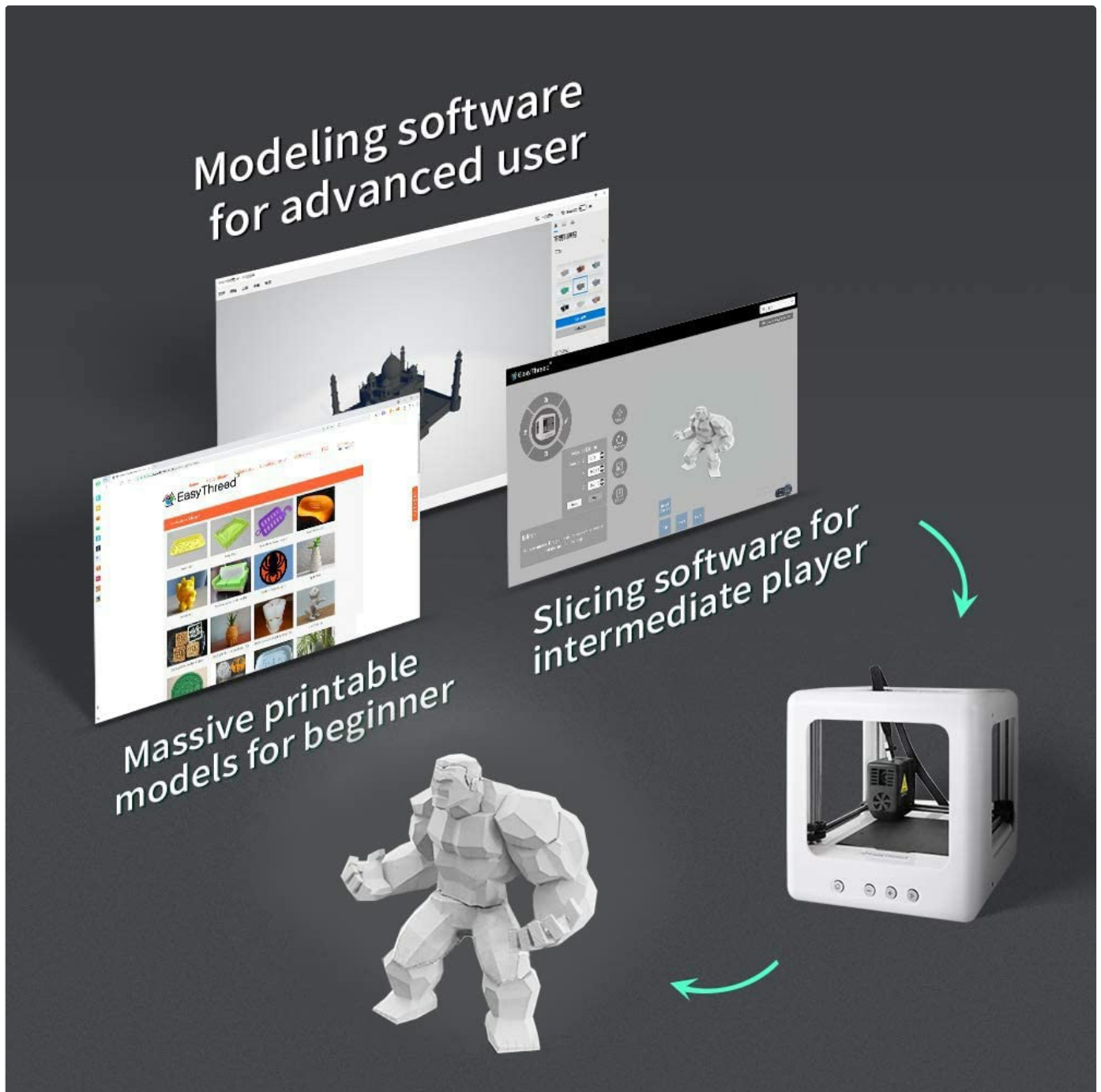


Image: A visual representation of the EasythreeD software, showing interfaces for modeling, slicing, and a library of printable models, catering to different user levels.

4. Bed Leveling

Accurate bed leveling is crucial for successful prints. Refer to the electronic instructions on the SD card for detailed steps. A general guideline is:

1. Use a piece of paper to set the initial height between the nozzle and the print bed. The paper should have slight resistance when pulled.
2. After setting the height with paper, slightly back off the leveling screws (approximately 1/8th to 1/4th of a turn) to raise the bed slightly. This ensures the first layer adheres well, preventing "PLA spaghetti" due to insufficient adhesion. Experiment to find the optimal setting for your printer.

OPERATION

1. One-Key Printing

The Easythreed Nano Plus features a simplified one-key printing function, making it very user-friendly.

1. Ensure the printer is powered on and the bed is leveled.
2. Load the PLA filament into the printer.
3. Insert the SD card containing your desired print model (G-code file).
4. Press the "Print" button (often indicated by a play symbol) on the printer's control panel. The printer will automatically begin the printing process.



Image: A detailed view of the Easythreed Nano Plus, highlighting key features such as the filament sensor, nozzle heating to 180°C in 2 minutes, the magnetic removable plate, and the one-key printing button.

2. Slicing Software Usage

For more control over your prints, use the Easythreed slicing software provided on the SD card. This software allows you to prepare 3D models for printing.

- **Shell Thickness:** This setting controls the number of perimeters. Use multiples of 0.2mm, as the nozzle is 0.4mm.
- **Fill Density:** Adjust the infill percentage. Lower density reduces print time and filament usage but results in weaker models. 100% is solid.
- **Support Distance X/Y:** If supports are needed, adjust this distance. A value of 1.2mm or more is often recommended to make supports easier to remove.
- **Nozzle Temperature:** The default temperature works for the included filament. Other filaments may require adjustments. If prints show poor adhesion or are stringy, adjust the temperature.
- **Orientation:** Experiment with model orientation (e.g., printing upside down) to optimize filament usage and print quality.

3. Filament Handling

The printer uses external consumables, allowing easy observation of the remaining filament. When changing filament, you may need to pull firmly on the old filament to remove it. Ensure you brace the print head during this process to prevent damage.

MAINTENANCE

1. Cleaning the Print Bed

The independent and detachable hot bed printing platform is convenient for cleaning. Over time, the print bed material can become clogged, affecting print adhesion and quality. Regular cleaning is essential.

- Remove the magnetic print bed from the printer.
- Use a suitable cleaning agent (e.g., isopropyl alcohol) and a soft cloth to clean any residue.
- For stubborn residue, a razor blade scraper can be used carefully to remove material without damaging the bed.
- The bed material is replaceable if it becomes too worn or damaged.



Image: A hand demonstrating the removal of the magnetic, flexible print bed from the Easythree Nano Plus 3D printer, facilitating easy cleaning and print removal.

2. Nozzle Maintenance

Nozzle clogging can occur. If the nozzle becomes clogged, cleaning or replacement may be necessary. Replacement extruder units are available, though sourcing may require direct contact with the manufacturer.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Filament not sticking to bed (PLA spaghetti)	Improper bed leveling, dirty print bed, incorrect nozzle temperature.	Re-level the print bed, ensuring slight "smoosh" on the first layer. Clean the print bed thoroughly. Adjust nozzle temperature if necessary.
Stringing between printed parts	Incorrect retraction settings, nozzle temperature too high.	Adjust retraction settings in slicing software. Consider lowering nozzle temperature slightly. An additional layer cooler fan may help.
Nozzle clogged	Filament debris, heat creep.	Attempt to clear the clog by heating the nozzle and manually pushing filament through. If persistent, the nozzle or extruder unit may need replacement.
Prints are weak or hollow	Low infill density.	Increase the "Fill Density" setting in your slicing software.
Printer is noisy	Normal operation noise, especially during fast movements.	The Easythreed Nano Plus is designed for low noise (<55dB), but some operational noise is expected. Consider placing it in a less frequented area if noise is a concern during long prints.

LOW NOISE <55DB

It Won't Disturb Your Work or Your Kid's Sleep.



70DB



55DB



< 60DB



25DB



10DB



Image: The Easythreed Nano Plus 3D Printer shown in a bedroom setting with a sleeping child, illustrating its low noise operation (below 55dB) which is comparable to quiet environments.

SPECIFICATIONS

Feature	Detail
Model	NANO
Manufacturer	Easythreed
Product Dimensions	18.8 x 18.8 x 19.8 cm
Item Weight	2 kg
Build Volume (Approx.)	90mm (side to side) x 110mm (front to back) x 100-110mm (height)
Material	Plastic (main body)

Feature	Detail
Color	White
Noise Level	Less than 55dB
Print Bed	Magnetic, removable
Nozzle Diameter	0.4mm (fixed)

WARRANTY AND SUPPORT



Easythreed provides comprehensive support for the Nano Plus 3D Printer:










- **Warranty Service:** A one-year warranty service is provided. Any quality problem can be returned.
- **Technical Support:** Lifetime technical support is available.
- **Customer Service:** 24-hour professional customer service is offered to assist with any inquiries or issues.

For further assistance or to explore other products, visit the official Easythreed store:

Visit Easythreed Store

Related Documents - NANO

	<p>EasyThreed NANO 3D Printer User Manual</p> <p>Comprehensive user manual for the EasyThreed NANO 3D printer, covering setup, operation, maintenance, and troubleshooting for creating custom 3D prints.</p>
	<p>Easythreed X4 3D Printer Installation Manual Step-by-Step Guide</p> <p>Comprehensive installation manual for the Easythreed X4 3D printer. Learn how to assemble your printer with clear steps, parts list, and important notices from Shenzhen EasyThreed Technology.</p>

<div><div> EasyThread X2 3D Printer Install Manual</div><div><ul style="list-style-type: none">★ This manual is written in accordance with EasyThread X2 3D printer.★ Printer capacities and equipment models are slightly different in actual phenomenon, based on the actual products request.★ EasyThread manual inside TF card.</div><div></div></div>	<p>EasyThread X2 3D Printer Install Manual</p> <p>Comprehensive installation guide for the EasyThread X2 3D Printer, covering parts identification and step-by-step assembly instructions for a smooth setup.</p>
<div><div> EasyThread X1 3D Printer Install Manual</div><div><ul style="list-style-type: none">★ This manual is written in accordance with EasyThread X1 3D printer.★ Printer capacities and equipment models are slightly different in actual phenomenon, based on the actual products request.★ EasyThread manual inside TF card.</div><div></div></div>	<p>EasyThread X1 3D Printer Install Manual</p> <p>Step-by-step installation guide for the EasyThread X1 3D Printer, covering parts list and assembly instructions for a successful setup.</p>
<div><div> K1 USER'S MANUAL Please watch operation video in Youtube or YouTube Channel EasyThreadSD</div><div></div></div>	<p>EasyThread K1 3D Printer User Manual</p> <p>Comprehensive user manual for the EasyThread K1 3D printer, covering specifications, unboxing, installation, operation, maintenance, and troubleshooting for beginners.</p>
<div><div> K10 USER'S MANUAL Please be sure to watch operation video</div><div></div><div><div><p>★ This manual is written in accordance with EasyThread K10 3D printer.</p><p>★ Printer capacities and equipment models are slightly different in actual phenomenon, based on the actual products request.</p><p>★ EasyThread manual inside TF card.</p></div><div></div></div></div>	<p>EasyThread K10 3D Printer User Manual and Guide</p> <p>Comprehensive user manual for the EasyThread K10 3D printer, covering setup, operation, maintenance, and troubleshooting. Learn to print with PLA and TPU filaments using Easyware or CURA slicer.</p>