WEEDO Tina2S

WEEDO Tina2S 3D Printer User Manual

Model: Tina2S

INTRODUCTION

The WEEDO Tina2S 3D Printer is a compact and user-friendly FDM (Fused Deposition Modeling) 3D printer designed for beginners, kids, and home or classroom environments. It comes fully assembled with auto-leveling capabilities and supports WiFi printing for a seamless experience. This manual provides comprehensive instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your Tina2S 3D printer.

Image: The WEEDO Tina2S 3D Printer, showcasing its compact design and the Poloprint Cloud App for wireless control.

What's in the Box

Upon unboxing your WEEDO Tina2S 3D Printer, please verify that all the following items are included:

- WEEDO Tina2S 3D Printer
- TF Card and Card Reader
- 10M PLA Filament (starter roll)
- USB Cable
- Power Adapter
- Unpacking Guide
- Tools (as typically included for maintenance)

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Video: WEEDO Tina2S 3D Printer Unboxing. This video demonstrates the unboxing process and initial setup steps.

SETUP GUIDE

1. Initial Unpacking and Preparation

1. Carefully remove the printer from its packaging.

2. Remove any protective foam or packaging materials from inside the printer's build area and around moving parts. Ensure the shaft coupling shell is removed.

3. Locate and retrieve the filament tube.

2. Filament Loading

1. Attach the filament holder to the side of the printer.

2. Place your filament spool onto the holder.

3. Cut the end of the filament at a sharp angle (bevel) to ensure smooth insertion.

4. Press the tube fitting on the extruder and insert the filament tube into the extruder.

5. Feed the filament through the tube until it reaches the nozzle.

3. Power Connection and First Print

1. Insert the provided TF card into the TF card slot on the printer's control panel.

2. Plug the power adapter into the printer and then into a power outlet.

3. Turn on the printer using the power switch.

4. The printer features automatic bed leveling. Once powered on, it will perform this process automatically.

5. Navigate the printer's menu using the control knob to select a print file from the TF card and start printing.

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Video: WEEDO MINI 3D Printer Tina2 Instruction. This video provides a detailed guide on setting up and preparing your Tina2S for its first print.

KEY FEATURES

- **Fully Assembled & Beginner-Friendly:** The Tina2S arrives ready to use, eliminating complex assembly. Its auto-leveling feature simplifies the printing process, making it ideal for new users and children.

- **WiFi Cloud Printing & Smart Control:** Connect to the Poloprint Cloud App via WiFi (2.4GHz networks only) for remote printing and control from your smartphone or iPad. Compatible with Windows, Mac, and Linux software for wireless management.

- **Auto Bed Leveling & Silent Operation:** Ensures precise prints with automatic bed leveling. Designed for ultra-quiet operation, suitable for home, classroom, or office environments.

- **High Precision & Heated Build Plate:** Equipped with a heated spring steel build plate for excellent adhesion and easy model removal. Achieves high precision with stable temperature control, supporting PLA, PLA+, and

TPU filaments.

- **Open Source & Versatile Use:** Powered by open-source firmware, allowing for flexible customization and DIY upgrades. Suitable for hobbyists, educators, and beginners.
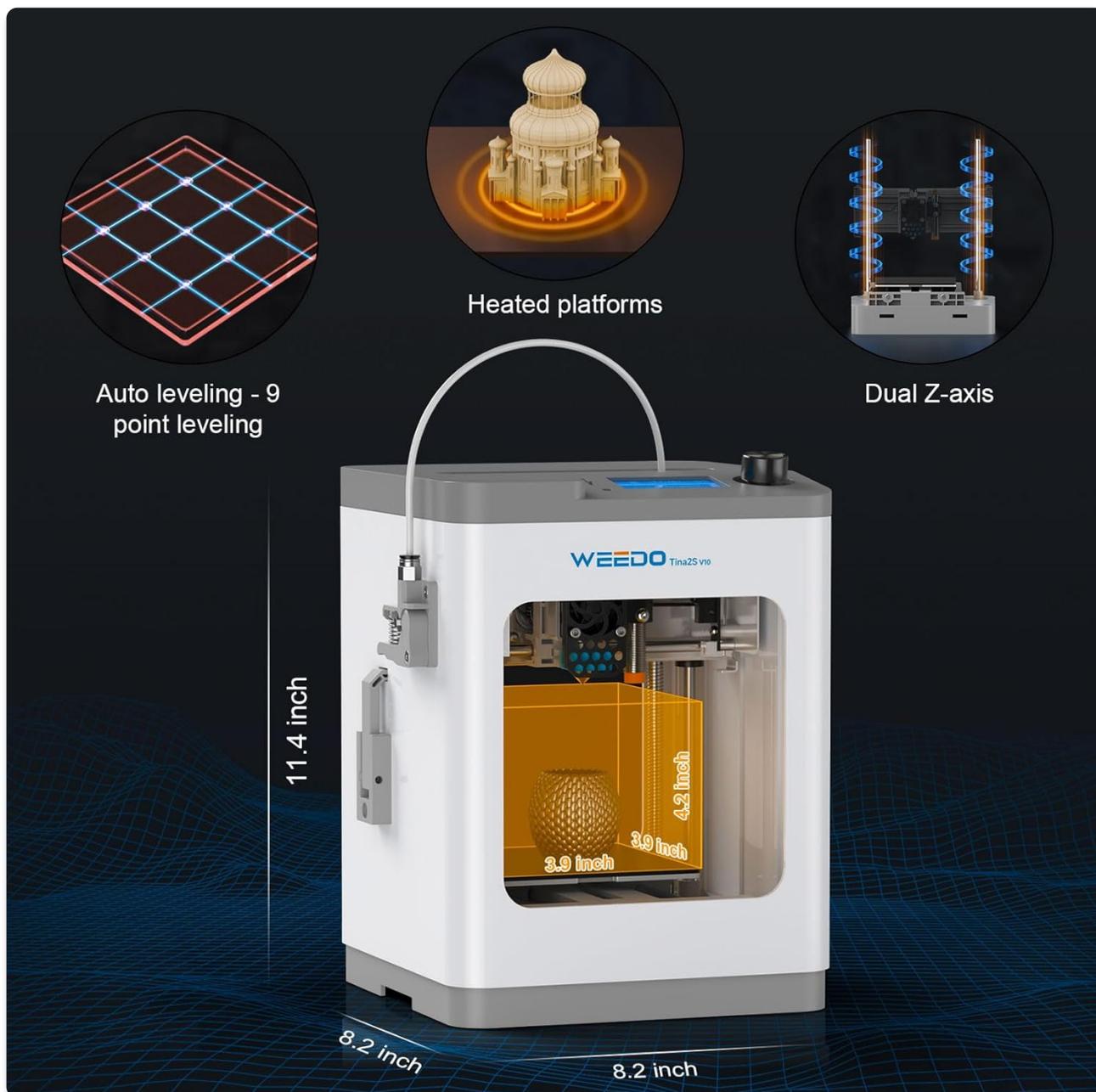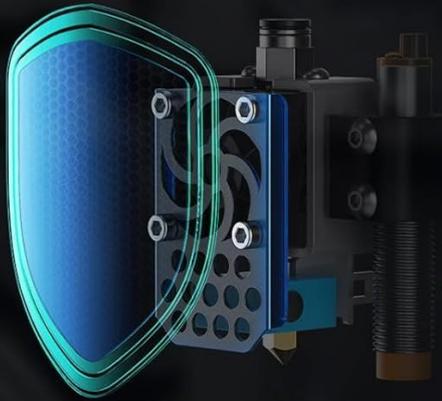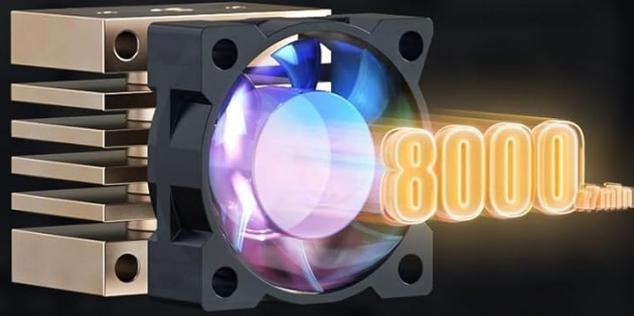

Image: Key features like 9-point auto-leveling, heated build platform, and dual Z-axis for stable printing.

Upgrade Fan Speed to 8000r/min

Upgrade fan speed for faster model cooling and make a higher model quality

Protect Baffle for Safety

High nozzle temperature when printing, the baffle can better protect you and your family's safety

Quick Change Hotend

Upgraded quick change hotend - easy to clean and change nozzle, more friendly for beginners

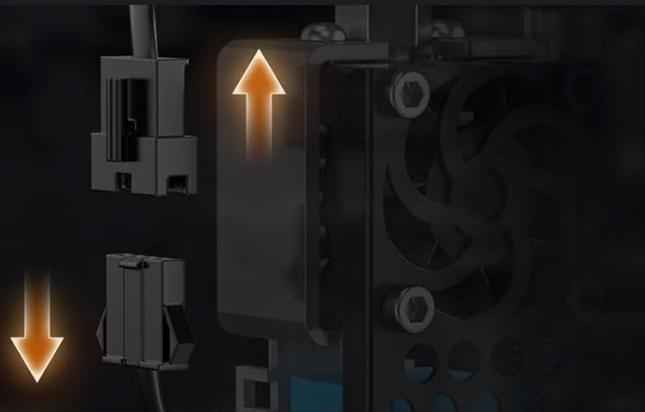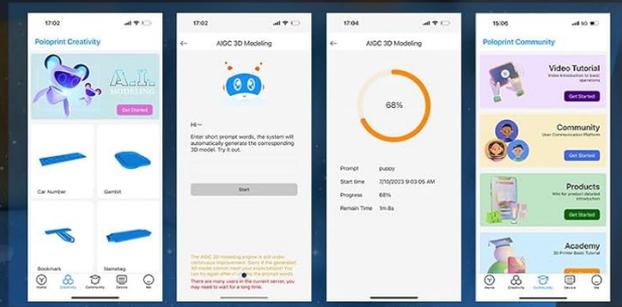Image: Enhanced features including upgraded fan speed for cooling, a protective baffle for safety, and a quick-change hotend for easy maintenance.

Image: Illustration of WiFi control and cloud printing capabilities through the Poloprint Cloud App.

Enjoy a Quieter Printing Time

Upgrade Self-developed Silent Motherboard - Print Speed Up to 200mm/s, Print Sound ≤50dp After Turning On the Silent Mode

LED Light - One Touch Light On/Off

≤50dp

200mm/s

LED Light

Image: Features emphasizing quiet operation (≤50dB), high print speed (200mm/s), and an integrated LED light.

Fully Open Source

Compatible with Wiibuilder, Cura, Simplify3d and Slicr3r

Image: Demonstrates the printer's open-source compatibility with slicers like Wiibuilder, Cura, Simplify3D, and Slic3r, along with USB and SD card connectivity.

Image: Illustrates the versatility of the Tina2S for both home use and educational teaching purposes.

OPERATING INSTRUCTIONS

Using the Poloprint Cloud App

The Poloprint Cloud App allows for convenient wireless control and printing. Ensure your printer is connected to a 2.4GHz WiFi network.

- Download the Poloprint Cloud App from your device's app store.
- Follow the in-app instructions to connect your Tina2S printer to the app via WiFi.
- Browse the model library, customize models using AIGC technology, and upload models for printing directly from the app.
- Monitor print progress and control printer functions remotely.

Slicing Software Compatibility

The Tina2S is compatible with various open-source slicing software. You can use:

- Wiibuilder (recommended by WEEDO)
- Cura
- Simplify3D
- Slic3r

Prepare your 3D models (.STL files) in your preferred slicer, generate G-code, and transfer it to the printer via SD card or Wiibuilder's WiFi transfer function.

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Video: WEEDO Tina2 Printing. This video demonstrates the Tina2S in action during a printing operation, showcasing its smooth performance.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Tina2S 3D printer.

- **Clean the Build Plate:** After each print, ensure the build plate is clean and free of filament residue. Use a soft cloth and isopropyl alcohol if necessary.
- **Nozzle Cleaning:** Periodically check the nozzle for clogs. The quick-change hotend design makes cleaning and changing the nozzle easier. Refer to the quick-change hotend instructions for detailed steps.
- **Lubricate Moving Parts:** Apply a small amount of lubricant to the Z-axis lead screw and smooth rods occasionally to ensure smooth movement.
- **Firmware Updates:** Check the official WEEDO website or Poloprint Cloud App for any available firmware updates to improve performance and add new features.
- **Filament Storage:** Store filament in a dry, cool place to prevent moisture absorption, which can lead to print quality issues.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Tina2S 3D printer.

Common Issues and Solutions:

- **Print Not Sticking to Bed:**
  - Ensure the heated build plate is at the correct temperature for your filament (e.g., 60-70°C for PLA).
  - Clean the build plate thoroughly.
  - Verify that auto-leveling has been performed correctly.
  - Consider using an adhesive (like a glue stick or painter's tape) on the build plate for better adhesion.
- **Filament Not Extruding:**

- Check if the nozzle is clogged. Perform a cold pull or use the provided needle to clear it.
- Ensure the filament is loaded correctly and the extruder gear is gripping it.
- Verify the hotend temperature is set correctly for your filament type.

- **Poor Print Quality (Layer Shifting, Stringing):**

  - **Layer Shifting:** Check if belts are loose or if the print head is encountering obstructions. Ensure the printer is on a stable surface.
  - **Stringing:** Adjust retraction settings in your slicing software. Ensure filament is dry.
  - **Rough Surfaces:** Optimize print speed and cooling settings in your slicer.

- **WiFi Connectivity Issues:**

  - Ensure your router is broadcasting a 2.4GHz network. The Tina2S does not support 5GHz.
  - Check your WiFi password and network settings.
  - Restart both the printer and your router.

For further assistance, please refer to the WEEDO Support & Warranty section.

TECHNICAL SPECIFICATIONS

Feature	Detail
Product Dimensions	8.2"D x 8.2"W x 11.4"H (20.8 x 20.8 x 29 cm)
Item Weight	6.16 pounds (2.8 Kilograms)
Model Number	Tina2S
Brand	WEEDO
Material	Plastic, Metal
Manufacturer	WEEDO
Country of Origin	China
Compatible Devices	Laptop, Personal Computer, Tablet, Smartphone
On-mode Power Consumption	60 watts

WARRANTY AND SUPPORT

WEEDO is committed to providing excellent products and service. Your Tina2S 3D printer comes with comprehensive support.

- **Warranty:** The WEEDO Tina2S 3D printer offers a 2-year warranty from the date of purchase.

- **Technical Support:** Enjoy lifetime technical support. For expert assistance, please contact WEEDO customer service. Responses are typically provided within 24 hours on weekdays.

- **Contact Information:** For support inquiries, please visit the official WEEDO website or contact their customer service channels as provided in your purchase documentation.

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