Entina TINA2S v10

Entina Tina2S 3D Printer Instruction Manual

Model: TINA2S v10

Product Overview

The Entina Tina2S is a compact and user-friendly 3D printer designed for beginners and children, offering a seamless printing experience right out of the box. It features WiFi cloud printing, automatic leveling, and a heated spring steel build plate for high-precision results.

- **Mini 3D Printer:** Compact and fully assembled, ready for immediate use.
- **Automatic Leveling & Heated Platform:** Simplifies setup and ensures optimal print adhesion.
- **Smart Control:** Equipped with a self-developed app for one-click control and access to a massive model library.
- **Humanized Design:** Features built-in LED light for monitoring, a quick-change test nozzle, and dual Z-axis guide for stable movement.
- **Upgraded WiFi Printing:** Offers 5 times faster file transfer speed for a stable printing experience.
- **Ultra-quiet Operation:** Full silent motherboard and upgraded fan for a quiet printing environment (decibels ≤ 50dB).

Setup

Unboxing and Initial Preparation

The Entina Tina2S comes fully assembled, minimizing setup time. Carefully remove the printer from its packaging. Ensure all protective tapes and foam inserts are removed from the print bed and nozzle area before powering on.



Figure 1: Entina Tina2S 3D Printer with its external filament spool and a smartphone displaying the control app.

Power Connection

Connect the provided AC power adapter to the printer's power socket and then to a wall outlet. The printer will power on automatically.

Filament Loading

Place the filament spool onto the external holder. Gently insert the filament into the filament tube located at the top of the printer until it reaches the extruder. The printer features one-click filament loading/unloading for convenience.

Automatic Leveling

The Tina2S is equipped with an automatic leveling system. This feature eliminates the need for manual bed leveling, ensuring optimal print quality and adhesion from the first layer. The printer will perform a 9-point auto bed leveling sequence upon startup or when initiated from the control panel.



Figure 2: The printer's built-in LED light illuminates the print area, aiding in monitoring the printing process.

WiFi and App Connection

For smart control and cloud printing, download the Poloprint Cloud App (available for Android and iOS). Use the QR code on the printer to quickly connect to your WiFi network and link the device to the app. This enables remote control and access to a vast model library.

Operating

Printing Process

Once set up, you can initiate prints via the Poloprint Cloud App, USB connection, or by loading files onto the TF (MicroSD) card. The printer supports Gcode format and is compatible with popular slicing software like Wiibuilder, Cura, Simplify3D, and Slicr3r.

- **Print Speed:** Up to 200 mm/s for efficient printing.
- **Nozzle Heating Temperature:** Reaches 245°C (473°F) for precise extrusion.
- **Heated Bed:** Capable of reaching up to 60°C for optimal adhesion and print quality.
- **Resume Printing:** The printer can resume prints after unexpected power failures or active pauses.

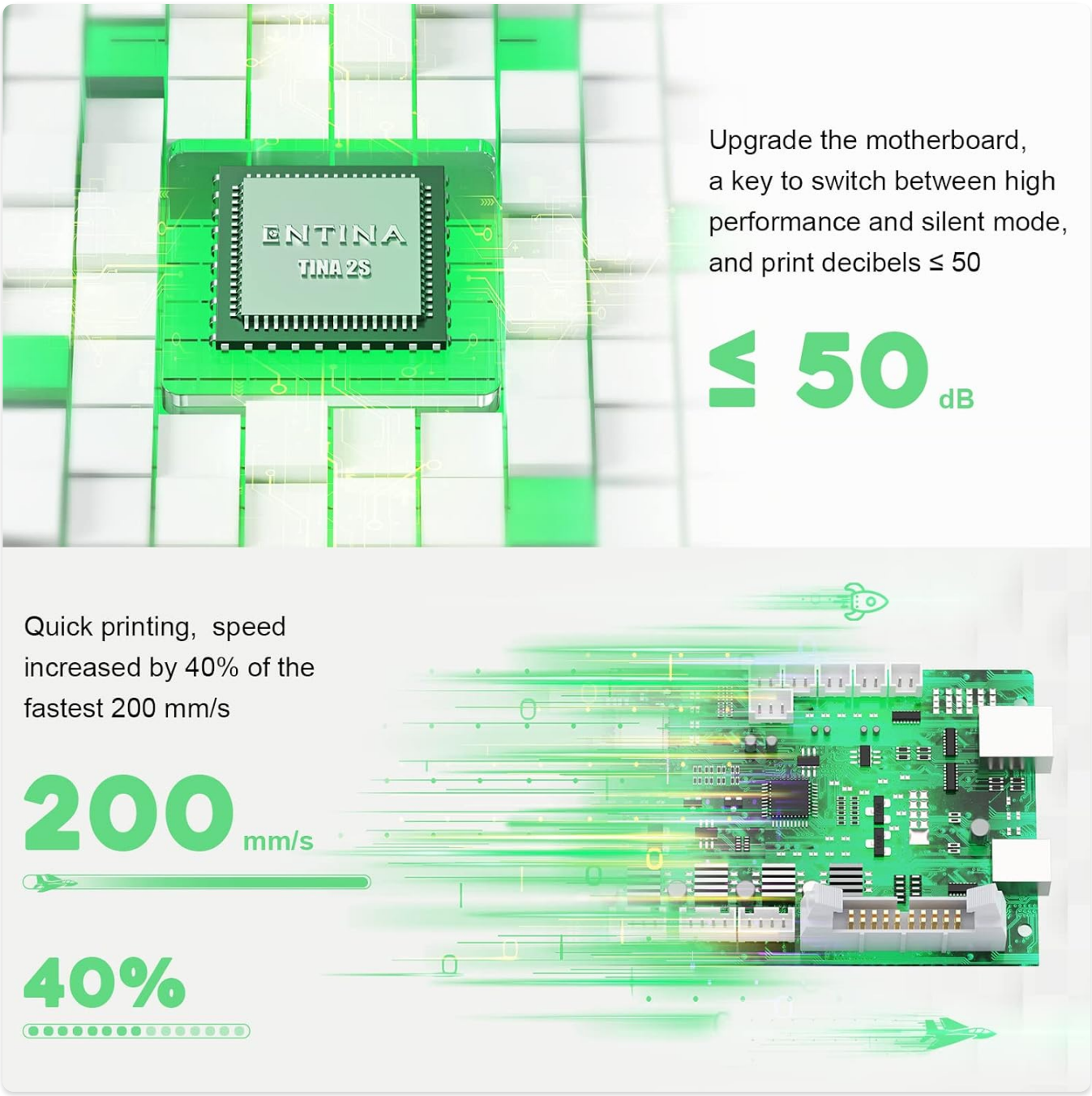


Figure 3: The Tina2S supports multiple printing modes and is compatible with various slicing software.

Maintenance

Build Plate Care

The flexible spring steel build plate is easy to remove and clean. After each print, allow the plate to cool before removing prints. Clean the surface with isopropyl alcohol to maintain optimal adhesion.

Nozzle Maintenance

The Tina2S features a quick-change detachable nozzle, simplifying replacement and reducing clogging issues. Regularly inspect the nozzle for wear or clogs. A nozzle needle is included for minor clogs.

Filament Storage

Store filament in a dry, dust-free environment. If filament becomes damp or dusty, it may cause clogging or affect print quality. The printer supports PLA, PLA+, TPU, and ABS filaments.

Included Tools

The package includes essential tools for maintenance, such as various wrenches (1.5/2.0/2.5mm L wrench, 8mm wrench), a Phillips screwdriver, and solid glue for bed adhesion if needed.

Troubleshooting

If you encounter issues with your printer, refer to the following common troubleshooting steps:

- **Print Adhesion Issues:** Ensure the heated bed temperature is appropriate for your filament type (e.g., 60°C for PLA). Clean the build plate thoroughly.
- **Filament Clogging:** Check if the filament is tangled or dusty. Use the nozzle needle to clear minor clogs. If persistent, replace the nozzle.
- **Print Quality Issues:** Verify that the auto-leveling process completed successfully. Ensure filament is dry and stored correctly. Adjust slicing software settings (layer height, print speed).
- **Connectivity Problems:** Recheck WiFi network settings via the app. Ensure USB cable is securely connected if printing via computer.

For more detailed troubleshooting, please refer to the comprehensive user manual included with your printer or visit the official Entina support website.

Specifications

Feature	Specification
Model	TINA2S v10
Product Dimensions	13.8 x 8.3 x 8.3 inches
Item Weight	8.98 pounds
Nozzle Diameter	0.4mm
Nozzle Temp	<245°C
Heated Bed Temp	<60°C
Print Precision	0.1-0.4mm
Build Volume	100 x 105 x 100 mm
Power Supply	100V-240V/12V@5A, 60W
Speed	≤120mm/s (up to 200mm/s)

Leveling Tech	9-Point Auto Bed Leveling
Compatible Devices	Laptop, Personal Computer, Tablet, Smartphone

Warranty and Support

The Entina Tina2S 3D Printer comes with a manufacturer's warranty. For specific details regarding warranty coverage, duration, and terms, please refer to the warranty information provided in the full user manual included in the product packaging.

For technical support, product inquiries, or assistance with any issues, please contact Entina customer service. You can find contact information and additional resources by scanning the 'ENTINA Support' QR code located on the printer's top panel or by visiting the official Entina website.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question