

GEEETECH M1S

Geeetech M1S Mini 3D Printer Instruction Manual

Model: M1S
Brand: GEEETECH

1. INTRODUCTION AND OVERVIEW

Welcome to the instruction manual for your new Geeetech M1S Mini 3D Printer. This high-speed, auto-leveling 3D printer is designed for ease of use, making it ideal for kids and beginners in both home and school environments. Featuring WiFi cloud printing and a child-safe design, the M1S simplifies the 3D printing process while ensuring reliable and high-quality results.

2. SAFETY INSTRUCTIONS

- **Hot Surfaces:** The printer's nozzle and heated build plate can reach high temperatures. Avoid touching these components during operation or immediately after printing to prevent burns.
- **Moving Parts:** Keep hands, hair, and loose clothing clear of all moving parts during operation.
- **Ventilation:** Operate the printer in a well-ventilated area. Some filaments may produce fumes during printing.
- **Child Safety:** Although designed with child safety in mind, adult supervision is recommended when children are operating the printer. Ensure children understand and follow all safety guidelines.
- **Power Supply:** Use only the provided power adapter. Disconnect power before performing any maintenance or when the printer is not in use.

3. PACKAGE CONTENTS

Before starting, please verify that all items listed below are included in your package:

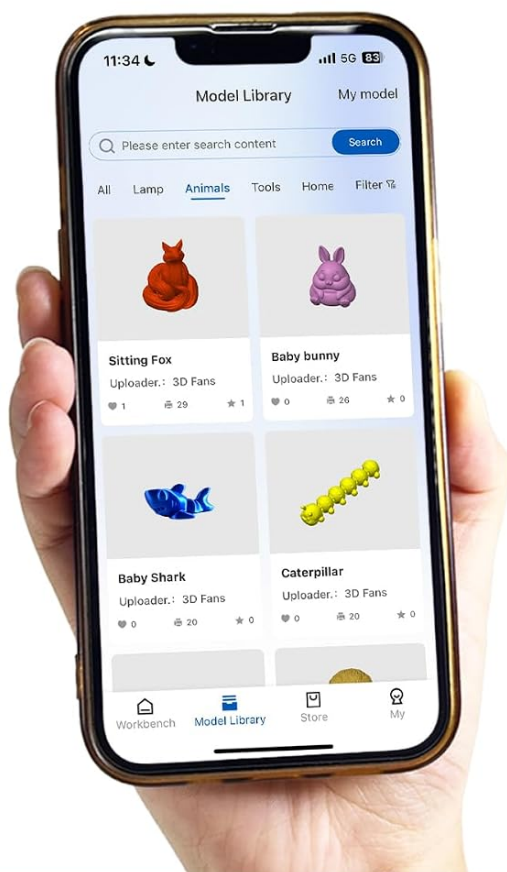
- Geeetech M1S 3D Printer

- User Manual
- Power Adapter
- Power Cable
- Filament (sample)
- Needle (for nozzle cleaning)
- Tweezers
- Wrench
- Spool Holder
- Micro SD Card
- Nozzle (spare)
- L-Shaped Hex Wrench
- Teflon Tube

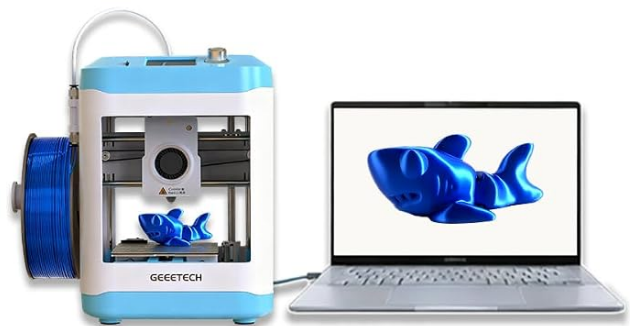
Multiple Easy Printing Options for Beginners & Hobbyists

APP Remote Control

Download 'Geeetech' APP (iOS/Android)
→ Access Model Library → Print Anywhere



USB Cable Direct Printing:
Plug & Print from Laptop in Seconds



SD Card Save & Print:
Offline Printing Without Internet Hassle



4. SETUP

Your Geeetech M1S printer comes fully assembled for a plug-and-play experience. Follow these steps to prepare your printer for its first use:

1. **Unboxing:** Carefully open the packaging box. Lay the printer flat and pull out the printer from the packaging. Remove all foam filling and packaging bags from around and inside the printer.
2. **Remove Retaining Straps:** Cut off any retaining straps securing internal components, particularly on the X-axis. Be careful not to cut any belts.
3. **Install Spool Holder and Teflon Tube:** Attach the spool holder to the designated slot on the side of the printer. Insert the Teflon tube into the bottom of the extruder.
4. **Connect Power:** Connect the power adapter to the printer and plug it into a power outlet. Turn on the power switch located at the back of the printer.
5. **Automatic Leveling:** The printer features 16-point full-auto leveling. Navigate to the 'Prepare' menu on the 2.4" LCD color screen and select 'Auto Level'. The printer will automatically detect and adjust the nozzle height. The nozzle will be wiped before leveling to ensure accuracy.



WiFi Connectivity & APP Control

Anytime, Anywhere: One-Touch Printing
Extensive Model Library - A Kid's Toy Factory

Image: Initial setup of the Geeetech M1S Mini 3D Printer, including removing packaging and installing the spool holder.

Your browser does not support the video tag.

Video: A step-by-step guide to unboxing and initial setup of the M1 3D Printer, demonstrating how to prepare the device for its first use.

5. OPERATING INSTRUCTIONS

5.1. Loading Filament

1. Insert the filament into the Teflon tube until it reaches the extruder.
2. On the printer's LCD screen, navigate to 'Prepare' and select 'Load Filament'. The printer will automatically feed the filament.

5.2. Starting a Print

You have multiple options to start printing:

- **SD Card Printing:** Insert the Micro SD card with your print file into the printer's card slot. Use the control knob to navigate to 'Print from SD' and select your desired file.
- **WiFi Cloud Printing / App Control:** Download the 'Geeetech' app (iOS/Android) to access the model library and print wirelessly. The app allows for one-touch printing and remote control.
- **USB Cable Direct Printing:** Connect your laptop to the printer via USB cable for direct printing.

Once a print is initiated, the printer will heat the nozzle and hot bed, perform a nozzle wipe, and begin printing. The 2.4" LCD screen will display print progress, and high-brightness lighting inside the machine provides clear visibility.

Upgraded Stable Structure

GEEETECH M1 features an upgraded structure design, ensuring rock-solid stability for high-speed, high-precision 3D printing

High-Durability Hard Plastic

Reinforced Filament Bracket

3-Bearing Hotbed System

Leather-Enhanced Pulley

Dual-drive Metal Gear Extruder: Power & Precision Combined

Geeetech M1's dual-drive metal gear extruder delivers greater torque, stronger extrusion force, faster printing speed, and higher accuracy. Compatible with PLA, PLA+, Silk PLA, TPU filaments

1:5 Gear Ratio

16-Point Auto One-Click Leveling

- 1 Perfect First-Layer Results
- 2 No Manual Nut Adjustment
- 3 No Manual Z-axis Calibration
- 4 No Need for Print Raft

Caution Hot

Smart Auto Nozzle Cleaning

Geeetech M1's automatic nozzle cleaning ensures precise leveling and printing. Say goodbye to clogs—let the printer maintain itself!

Caution

Image: Screenshot of the Geeetech app interface for WiFi cloud printing and model selection.

250mm/s Ultra-Fast & Precision Printing

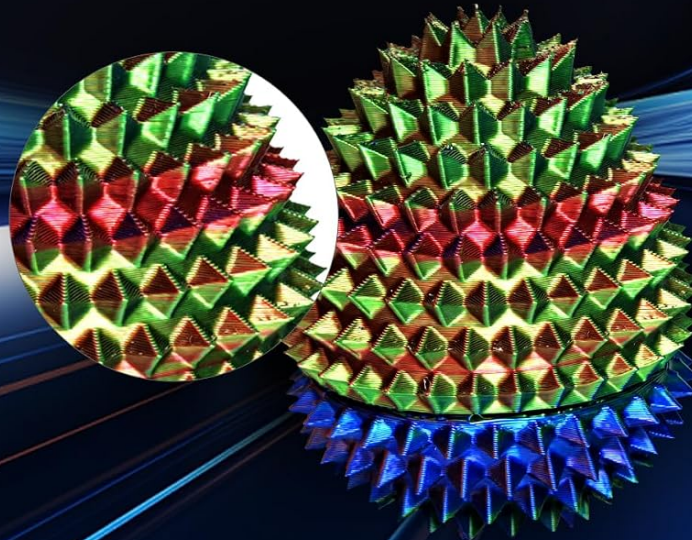
250mm/s | Print a 3Dbenchy  29 Min



0.4mm Nozzle for
Smooth Output



Printing Precision
 $\pm 0.1\text{mm}$



Print a 3Dbenchy
29 Min

Image: The Geeetech M1S Mini 3D Printer actively printing a model, showcasing the illuminated print area.

Your browser does not support the video tag.

Video: Demonstration of using the mobile app to initiate a print on a small 3D printer, highlighting the ease of remote operation.

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Video: A brief overview of a beginner-friendly small 3D printing machine, showing its compact size and basic functionality.

6. MAINTENANCE

- **Nozzle Cleaning:** The M1S features smart auto nozzle cleaning to prevent residual material from affecting print quality. For manual cleaning, use the provided needle.
- **Build Plate Care:** The heated, flexible magnetic build plate allows for easy model removal and platform cleaning. Ensure the plate is clean before each print for optimal adhesion.
- **Filament Management:** For optimal stability when using 1kg filament spools, it is recommended to use a filament

holder. A model file for a suitable holder is available upon request and can be printed using your M1S printer.

7. TROUBLESHOOTING

If you encounter any issues, please consider the following general troubleshooting steps:

- **Print Adhesion Issues:** Ensure the build plate is clean and free of debris. Verify that auto-leveling has been performed correctly.
- **Filament Not Extruding:** Check if the filament is properly loaded and not tangled. Ensure the nozzle is not clogged (use the provided needle to clear if necessary).
- **Print Quality Issues:** Verify that the X-axis and Y-axis belts are tight. Ensure the print head is securely attached.
- **Connectivity Problems:** For WiFi cloud printing, ensure your printer and mobile device are connected to the same 2.4 GHz Wi-Fi network.

For persistent issues, please refer to the 'Warranty and Support' section for contact information.

8. SPECIFICATIONS

Feature	Detail
Brand	GEEETECH
Model	M1S
Product Dimensions	27.9D x 29.8W x 20H Centimetres
Print Area	3.94×4.33×3.94 inches
Max Print Speed	Up to 250mm/s
Extruder Type	Innovative Direct Drive Extruder (dual-drive metal gear system, 1:5 gear ratio)
Leveling	16-point Full-Auto Leveling
Build Plate	Heated, Flexible Magnetic Build Plate
Connectivity	WiFi Cloud Printing, TF Card, USB Cable
Filament Compatibility	0.5kg/1kg TPU/PLA materials
Special Features	2.4" LCD Color Screen, High-brightness Lighting, Child-Safe Design

9. WARRANTY AND SUPPORT

Geeetech is committed to providing excellent customer service and product reliability:

- **Return/Replacement Policy:** Enjoy peace of mind with our 30-day worry-free return/replacement policy.
- **Free Repair:** The product includes 12 months of free repair service.
- **Technical Support:** Benefit from lifetime professional technical support. Our dedicated team is ready to assist, ensuring a response within 24 hours.

For support, please contact Geeetech customer service through the platform where you purchased the product or visit the official Geeetech 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