Anet ET4

Anet ET4 3D Printer User Manual

Comprehensive guide for setup, operation, and maintenance of the Anet ET4 3D Printer.

1. SETUP AND ASSEMBLY

The Anet ET4 3D Printer comes pre-assembled, requiring minimal setup before its first use. Follow these steps to quickly assemble and prepare your printer for operation.

1.1 Unboxing and Initial Inspection

Carefully open the packaging and remove the printer components. Ensure all parts are present and undamaged according to the packing list provided in the manual.

Image: The Anet ET4 3D Printer as it appears in its packaging, accompanied by example 3D printed models of a snowman and a Christmas tree.

1.2 Main Frame Assembly

The printer's metal frame is designed for quick assembly, typically within 10 minutes. Secure the main frame components using the provided screws and connect the necessary cords.

Metal Frame & Quick Assembly

6 Screws
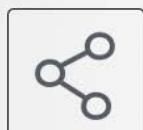
3 sets of Cords

Finish in 10 Mins
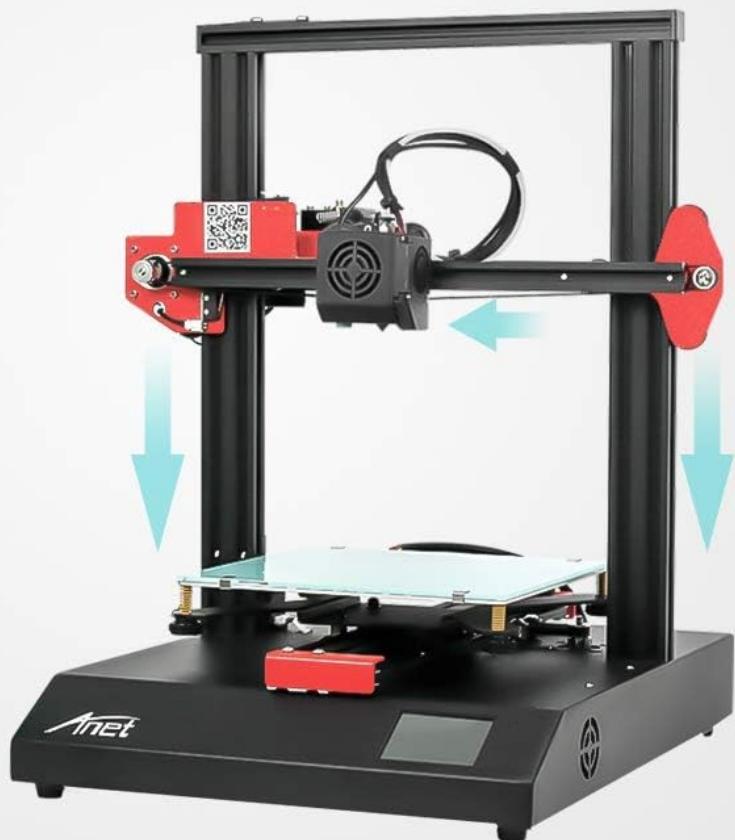
Image: Visual guide illustrating the simple assembly process of the Anet ET4, highlighting the minimal number of screws and cords required for quick setup.

For a detailed visual guide on assembly, refer to the official setup video:

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Video: Official Anet Auto Leveling ET4 DIY 3D Printer setup guide, demonstrating the assembly process including connecting components and initial power-up.

1.3 Bed Leveling

The Anet ET4 features 25-point automatic bed leveling, simplifying the calibration process. This function ensures optimal print adhesion and quality. Before leveling, it is crucial to adjust the sensor. You may also need to remove the rubber under the heatbed for proper calibration.

Auto Leveling
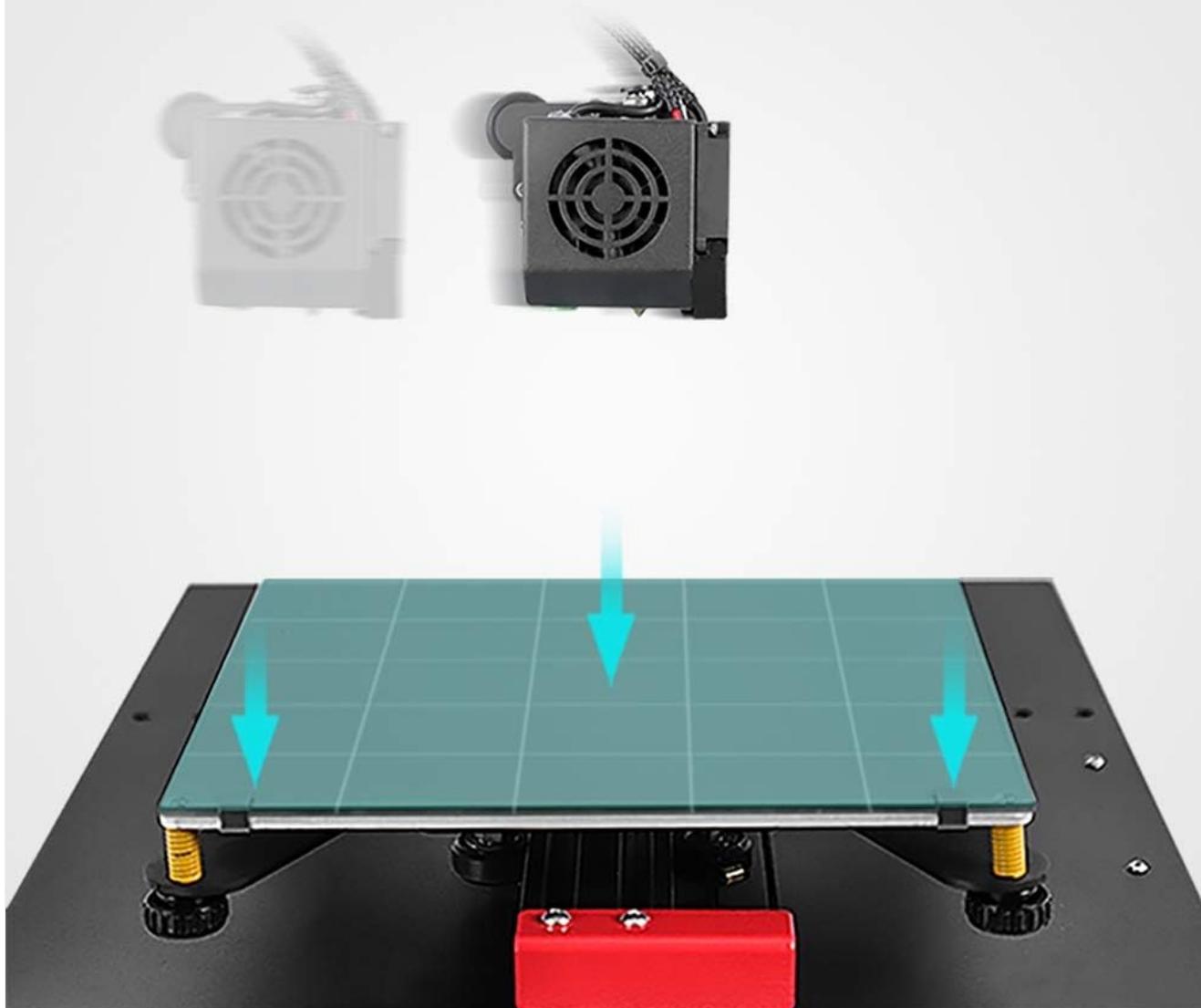
Image: Illustration of the automatic bed leveling feature, showing the print head moving towards the print bed to detect optimal height.

The printer's intuitive 2.8-inch color touchscreen allows for easy navigation and control of leveling settings.

Intuitive Touchscreen

Image: A detailed view of the printer's touchscreen interface, displaying key functions for printing, preparation, and settings.

2. OPERATING THE PRINTER

The Anet ET4 is designed for user-friendly operation, incorporating features that enhance the printing experience.

2.1 Filament Management

The printer supports automatic loading and unloading of filament. It also includes a filament detection system that alerts you when the filament is running low or has ended, preventing "air-printing" (printing without filament).
The ET4 is compatible with PLA 1.75mm filament.

2.2 Resume Printing Function

One of the key features of the Anet ET4 is its ability to resume printing from the exact point it left off in case of unexpected power outages. This industrial-grade chipset ensures reliable and continuous operation.

Power Outage Recovery

Accident Power Loss
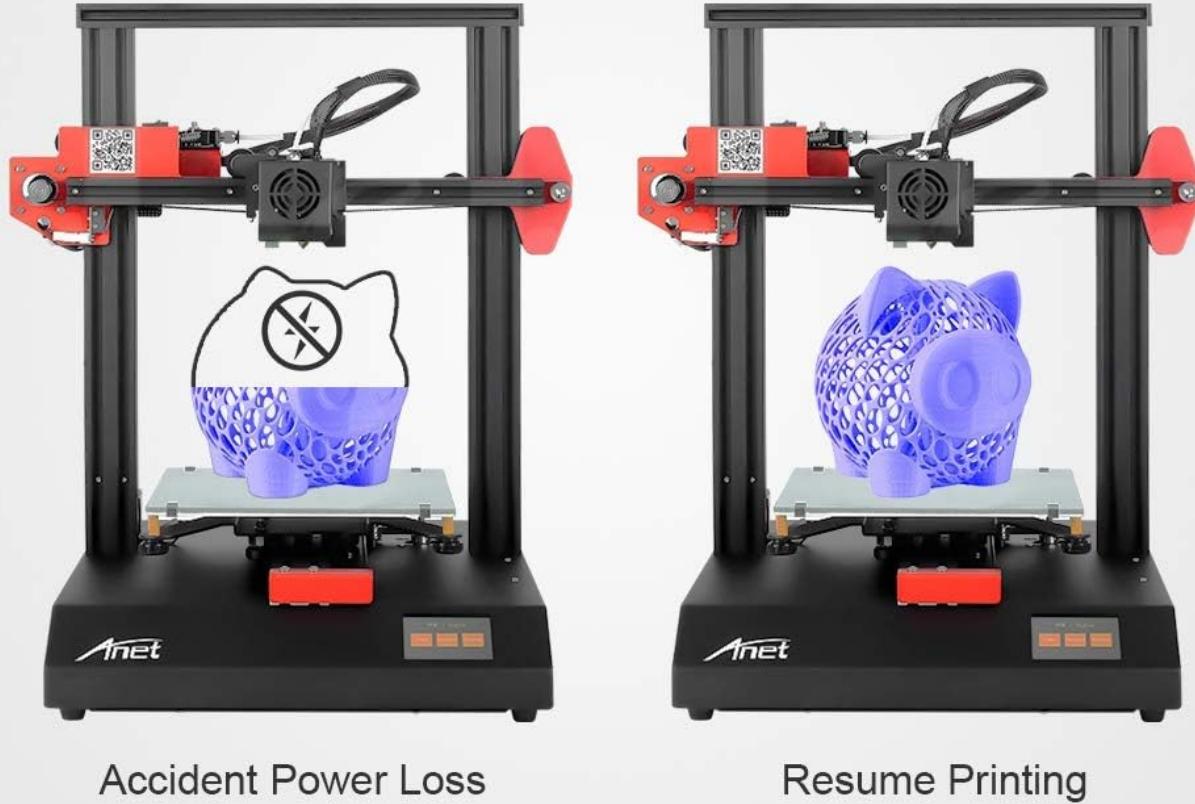
Resume Printing

Image: Visual representation of the printer's power outage recovery, demonstrating its capability to resume prints after an interruption.

2.3 Printing with PLA and TPU

The Anet ET4 is versatile and can print with various materials, including PLA and TPU. Ensure proper settings are applied for each material to achieve optimal results.

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Video: A customer-shared video demonstrating the Anet ET4 in action, including the printing of various objects and showing the process of designing and preparing molds for concrete using 3D printed parts.

3. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Anet ET4 3D Printer.

3.1 Post-Print Care

After each print, carefully remove the printed object from the print bed. If printing molds, ensure to spread petroleum

jelly or baby oil inside the mold pieces for easy removal of the cast material. Any imperfections on printed parts can be repaired by sanding.

3.2 Safety Features

The Anet ET4 is designed with safety in mind, incorporating features such as overcurrent protection, overload protection, over-temperature protection, and pre-over-temp alarms. Always ensure these systems are functioning correctly and do not bypass them.

4. TROUBLESHOOTING

If you encounter issues with your Anet ET4, refer to the following common troubleshooting tips. For more complex problems, consult the official Anet support channels.

4.1 Print Quality Issues

If prints are not adhering to the bed or show inconsistencies, re-check your bed leveling. Ensure the auto-leveling sensor is correctly adjusted, especially if you have changed the print surface (e.g., from aluminum to glass). Perform adjustments with the bed and nozzle at operating temperatures for best results.

4.2 Connectivity Problems

If the printer fails to connect to your computer or software, verify all cable connections. Ensure the correct drivers are installed and that the printer's firmware is up to date. In some cases, a firmware re-flash might be necessary, but proceed with caution as incorrect procedures can lead to further issues.

4.3 Filament Feeding Issues

If the filament is not loading or unloading correctly, check for any blockages in the extruder or Bowden tube. Ensure the filament detection sensor is clean and unobstructed. If the printer pauses and requests filament, ensure you load the new filament promptly to avoid print failures.

5. SPECIFICATIONS

Feature	Detail
Model	ET4
Printing Technology	FDM
Filament	PLA 1.75mm
Machine Power	200W
Power Supply	240W
Printing Size	220x220x250mm
Machine Size	440x340x480mm
Printing Speed	≤150mm/s (recommended speed 30-60mm/s)
Printing Resolution	±0.1mm
Slice Thickness	0.1-0.3mm

Machine Net Weight	7.2±0.2kg
Standard Nozzle Diameter	0.4mm
Hotbed Temp	≤100°C
Extruder Working Temp	≤250°C
Language	English/Chinese
Auto Filament Dispenser	Yes
Filament Detection	Yes
Auto Leveling	Yes
Resume Printing	Yes
Offline Print	Yes

6. WARRANTY AND SUPPORT

Anet is committed to providing high-quality products and services. The ET4 3D Printer comes with a one-year warranty for the assembled machine. For detailed warranty conditions, please refer to the Warranty Card included with your product.

For any comments or suggestions about our products and services, please feel free to contact us. Anet provides support and responds within 24 hours.

- Official Website: www.anet3d.com
- Facebook Page: facebook.com/anettech