

ANYCUBIC ANYCUBIC KOBRA 3 COMBO

Anycubic Kobra 3 Combo 3D Printer User Manual

Model: ANYCUBIC KOBRA 3 COMBO

1. INTRODUCTION

The Anycubic Kobra 3 Combo is a high-performance FDM 3D printer designed for multi-color, high-speed printing. It features advanced technologies such as the Anycubic Color Engine Pro for up to 8-color printing, integrated filament drying, and intelligent print management. This manual provides essential information for setting up, operating, and maintaining your Kobra 3 Combo to ensure optimal performance and longevity.

2. SAFETY INFORMATION

- Always operate the printer in a well-ventilated area.
- Keep the printer away from flammable materials and heat sources.
- Do not touch the nozzle or hotbed during operation or immediately after printing, as they can reach high temperatures.
- Keep children and pets away from the printer during operation.
- Use only the power adapter provided with the printer.
- Ensure proper grounding to prevent electrical hazards.
- Do not attempt to modify or disassemble the printer beyond the instructions provided in this manual.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Anycubic Kobra 3 Combo 3D Printer
- Power Cable
- Tool Kit (Allen wrenches, spare nozzle, etc.)
- Filament Sample
- USB Cable
- Quick Start Guide

4. SETUP

4.1. Unboxing and Initial Assembly

Carefully remove the printer and all components from the packaging. Remove any protective foam or ties securing moving parts. While this video is for a similar model (Kobra S1 Combo), the unboxing and initial setup steps are generally comparable for Anycubic printers.

Your browser does not support the video tag.

Video: Anycubic Kobra S1 Combo Unboxing and Setup Guide. This video demonstrates the unboxing and initial assembly process for a similar Anycubic 3D printer model, the Kobra S1 Combo. It covers removing packaging, installing accessories, and preparing the printer for first use.

4.2. Power On and Self-Check

Connect the power cable to the printer and a suitable power outlet. Flip the power switch to the 'ON' position. The printer will initiate a self-check process. Follow any on-screen prompts to complete the initial boot-up guide, including language selection and network setup.

4.3. Automatic Leveling (LeviQ 3.0)

The Kobra 3 Combo features LeviQ 3.0 auto-leveling, which automatically calibrates the print bed level for each print job. This eliminates the need for manual Z-offset adjustments. The integrated G-sensor also detects vibration frequencies and intelligently adjusts motion control for smoother prints.



Image: The printer's touchscreen displaying the LeviQ 3.0 auto-leveling interface, showing the bed calibration grid.

5. OPERATING INSTRUCTIONS

5.1. Multi-Color Printing with Anycubic Color Engine Pro

The Anycubic Kobra 3 Combo, with the Anycubic Color Engine Pro, allows for printing in 4 colors, expandable to 8 colors with the Anycubic Color Engine Hub (available Q3 2024). The system features automatic spool changing, filament winding detection, and filament backup to ensure continuous printing.



Image: A vibrant multi-color 3D printed castle model, showcasing the printer's multi-color capabilities.



Image: Diagram illustrating the Anycubic Color Engine Pro's features, including filament winding detection, filament backup, and drying while printing.

5.2. Filament Drying While Printing

The integrated dual PTC heating system (up to 200W) ensures efficient air circulation and maintains a consistent temperature of up to 55°C, keeping filaments dry for up to 24 hours during printing. This prevents moisture-related print quality issues.

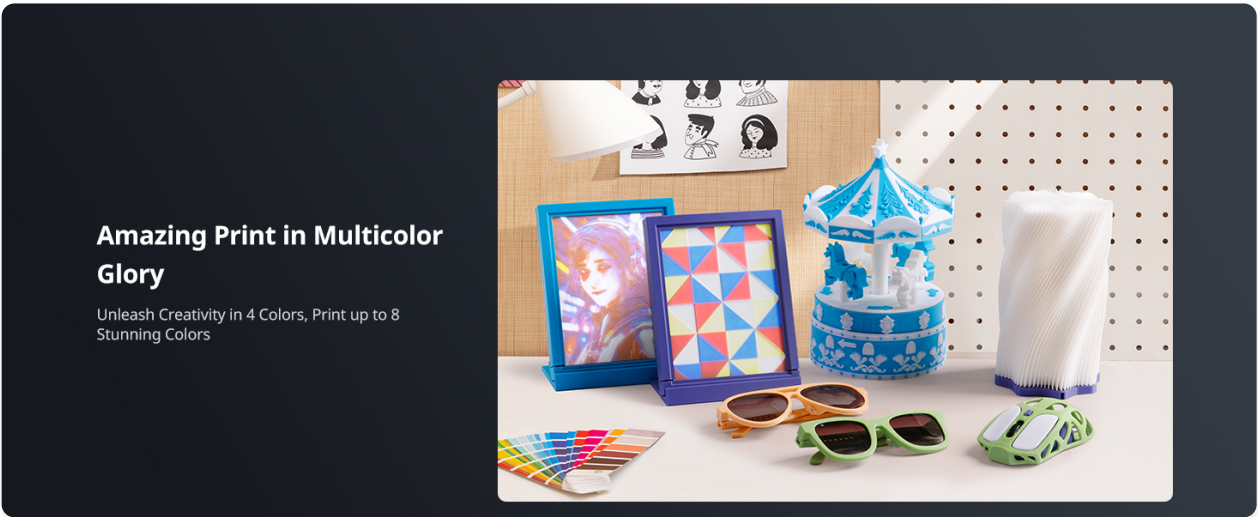


Image: Visual comparison showing the difference in print quality between using humid filament and properly dried filament.

5.3. High-Speed Printing

Achieve print speeds up to 600 mm/s (recommended 300 mm/s) with an acceleration of 20,000 mm/s². The printer's dynamic structure, featuring dual metal spindles and SG15 bearings, ensures stable and reliable performance even at high speeds.



Image: A 3D printer extruding a rocket model, illustrating the high-speed printing capability of 600 mm/s.

5.4. Print Monitoring and Control

The Kobra 3 Combo supports AI monitoring of the printing process (requires camera, available Q3 2024) to reduce print failures. The Anycubic Slicer and APP provide comprehensive control, including slicing, coloring, remote control, and real-time monitoring (LAN Mode available Q3 2024).

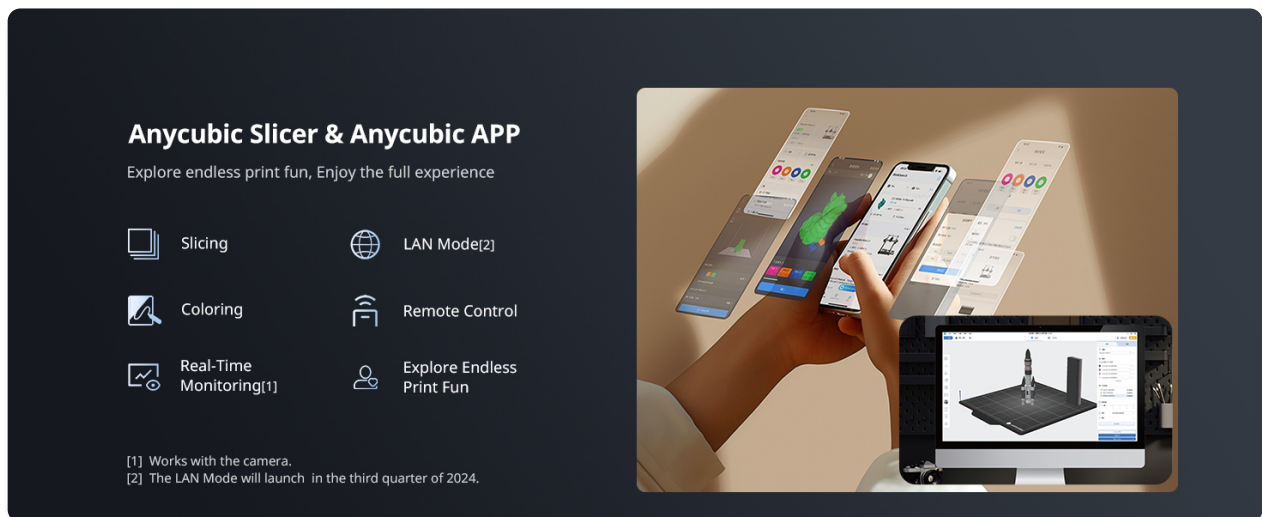


Image: Screenshot of the Anycubic Slicer software and mobile application, demonstrating features like slicing, coloring, and remote monitoring.

5.5. Nozzle Management

The fully metal nozzles can be replaced without tools and are designed to withstand temperatures up to 300°C, allowing for optimal printing with various filament types.

6. MAINTENANCE

6.1. Belt Tension Adjustment

The printer automatically monitors belt tension and will remind you when adjustment is needed. You can quickly set the correct tension by rotating the belt tensioner.

6.2. General Cleaning

Regularly clean the print bed, nozzle, and internal components to ensure consistent print quality. Use a soft cloth to wipe down surfaces and remove any filament debris.

7. TROUBLESHOOTING

7.1. Automatic Print Resume

In case of power loss or filament run-out, the Kobra 3 Combo will automatically resume printing from where it left off, preventing wasted prints.

7.2. Nozzle Clog Detection

The integrated buffer detects nozzle clogs, pauses the printing process, and alerts you immediately to protect the device.


7.3. AI Monitoring for Spaghetti Failures

With the optional AI camera (available Q3 2024), the printer can monitor for common issues like 'spaghetti monsters' and alert you, effectively reducing print failures.

7.4. Quick Troubleshoot System

For printing problems, you can scan the QR code displayed on the touchscreen to identify the issue and receive quick troubleshooting support.

8. SPECIFICATIONS



Tech Specs

Machine Weight

~9.2kg

Hotbed Temperature

110°C Max Heatbed Temperature

Nozzle Temperature

300°C Max Hot End Temperature

Machine Dimensions

452.9(L)x504.7(W)x483 mm(H)

Screen

4.3-in Touchscreen

ACE Pro Net Weight:

~4.6kg

Multi-Color Printing

4 colors, Extending to 8* colors

Printing Material

PLA, PETG, TPU

Printing Speed

600mm/s Max. Print Speed

Printing Dimensions

250*250*260mm³

Power Supply

400W

ACE Pro Dimentions

365.94(L)x282.8(W)x234.5 mm(H)

Image: An infographic detailing the technical specifications of the Anycubic Kobra 3 Combo 3D printer.

Feature	Detail
Brand	ANYCUBIC

Feature	Detail
Model	ANYCUBIC KOBRA 3 COMBO
Print Technology	FDM
Printing Dimensions	250 x 250 x 260 mm
Multi-Color Printing	4 colors, extending to 8 colors (with ACE Hub)
Printing Speed	600 mm/s Max, 300 mm/s Recommended
Max Acceleration	20,000 mm/s ²
Nozzle Temperature	300°C Max Hot End Temperature
Hotbed Temperature	110°C Max Hotbed Temperature
Printing Material	PLA, PETG, TPU (ABS and ASA can be printed but not recommended)
Operating System	Linux
Connectivity	USB, Wi-Fi
Screen	4.3-inch Touchscreen
Machine Weight	~9.2 kg
Power Supply	400 Watt

9. WARRANTY AND SUPPORT

9.1. 30-Day Risk-Free Guarantee

The Anycubic Kobra 3 Combo comes with a 30-day risk-free guarantee for your peace of mind.

9.2. 24/7 Customer Service

Anycubic provides 24/7 customer service, supported by an AI-enhanced system. Their support team is available to provide attentive and timely services for all customers.

Anycubic Support Now Fully Upgraded



30-Day Risk-Free Guarantee

Anycubic Kobra 3 Combo comes with a 30-day risk-free guarantee for your peace of mind.



Quick Troubleshoot System

In case of printing problems, you can scan the QR code on the touchscreen to identify the problem and get quick troubleshooting support.



24/7 Customer Service

Anycubic customer service has been upgraded with AI. Our support team will be standing by to provide attentive and timely services for all our customers.

Image: An infographic highlighting Anycubic's customer support, including a 30-day risk-free guarantee, a quick troubleshoot system, and 24/7 customer service.