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Model: AP1 Purifier

1. INTRODUCTION

The Cregrant3D Falcon AP1 Smoke Purifier is designed to provide a clean and safe working environment by effectively removing smoke, fumes, and fine particulate matter. This manual provides essential information for the proper setup, operation, and maintenance of your AP1 Purifier.



CREALITY
FALCON

Image 1.1: Front view of the Cregrant3D Falcon AP1 Smoke Purifier, showcasing its sleek design and control panel.

2. KEY FEATURES

- **360° Airflow Innovation:** Delivers 280m³/h airflow and up to 1700 Pa of suction power for rapid, targeted extraction.
- **Real-Time PM2.5 Monitoring:** Built-in high-precision laser sensor tracks air quality and displays PM2.5 data.
- **WiFi-Controlled Convenience:** Manage settings, monitor filter status, and customize shutdown timers via the my Falcon APP.
- **Advanced 5-Stage Filtration:** Maximizes air purity by eliminating fumes, odors, and fine particles.
- **Dual Action, Deep Clean:** V-Fold design with 1.4kg of modified activated carbon for 97% odor adsorption and molecular-level pollutant capture.

Truly Safe & Clean, Feel the Difference



Image 2.1: Overview of the Falcon AP1's core features, including its multi-stage filtration and smart capabilities.

3. SETUP GUIDE

3.1 Unboxing and Component Check

Carefully remove all components from the packaging. Verify that all parts are present:

- Falcon AP1 Purifier Unit
- Power Adapter
- Pre-installed 5-Stage Filter Cartridge
- User Manual (this document)

3.2 Filter Installation

The 5-stage filter cartridge comes pre-installed. If you need to check or replace it, refer to the Maintenance section. Ensure the filter is securely seated before operation.

3.3 Power Connection

1. Connect the power adapter to the power input port on the back of the purifier.
2. Plug the power adapter into a suitable electrical outlet.

3.4 App Connection (WiFi Control)

1. Download the 'my Falcon' APP from your device's app store.
2. Follow the in-app instructions to connect your Falcon AP1 Purifier to your local WiFi network. This enables remote control and monitoring.

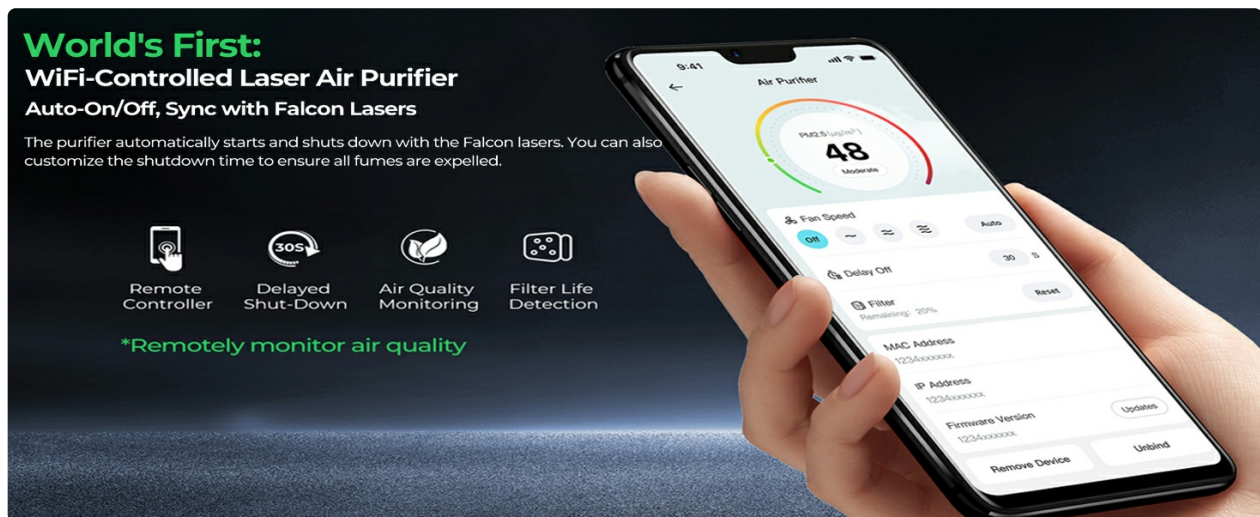


Image 3.1: The 'my Falcon' app interface, demonstrating remote control and monitoring capabilities.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

Press the power button on the control panel or use the 'my Falcon' APP to turn the purifier on or off.

4.2 Understanding the PM2.5 Display

The integrated display shows real-time PM2.5 levels, indicating the air quality. Lower numbers signify better air quality. The display may also show fan speed and WiFi connection status.

Real-Time PM2.5 Display

A dedicated sensor constantly monitors fine particulate levels, ensures you always know the effectiveness of your purifier.



Image 4.1: Examples of the real-time PM2.5 display, showing varying air quality levels.

4.3 Fan Speed Adjustment

Adjust the fan speed manually via the control panel or the 'my Falcon' APP to suit your purification needs. Higher speeds provide faster air cleaning.

4.4 Auto Mode

The purifier features an Auto Mode that automatically adjusts fan speed based on detected PM2.5 levels, ensuring optimal performance without manual intervention. This mode can also sync with Falcon lasers for automatic operation.

Image 4.2: Illustration of Auto Mode and filter life monitoring on the display.

5. MAINTENANCE

5.1 Filter Replacement

The standard filter delivers up to 1,000 hours of performance, while the V-Fold activated carbon filter lasts up to 1,500 hours. The 'my Falcon' APP provides real-time filter status and alerts for replacement.

1. Ensure the purifier is powered off and unplugged.
2. Open the filter compartment (refer to product diagrams for location).
3. Carefully remove the old filter cartridge.
4. Insert a new, genuine Cregrant3D Falcon AP1 filter cartridge, ensuring it is properly seated.
5. Close the filter compartment and plug in the purifier.
6. Reset the filter life indicator via the control panel or the 'my Falcon' APP.

Long-Lasting Filters, Clean Air Always

Our advanced filtration system is built for endurance. The standard filter delivers up to 1,000 hours of performance, while the V-Fold activated carbon filter lasts up to 1,500 hours-minimizing downtime, reducing replacement costs, and keeping your creative flow uninterrupted.

1000H



*Data from Creality Lab testing

Image 5.1: Long-lasting filter cartridges for the Falcon AP1 Purifier.

5.2 Cleaning the Unit

Wipe the exterior of the purifier with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure no liquids enter the unit.

6. TROUBLESHOOTING

- **Purifier not powering on:** Check if the power adapter is securely connected to both the unit and the electrical outlet. Ensure the outlet is functional.
- **Poor purification performance:** Verify that the filter cartridge is correctly installed and not past its lifespan. Replace the filter if necessary. Ensure the air intake and exhaust vents are not obstructed.
- **App connectivity issues:** Ensure your purifier is within range of your WiFi router. Restart both the purifier and your mobile device. Re-attempt the app connection process.
- **Unusual noise:** Check for any foreign objects obstructing the fan or filter. Ensure the unit is placed on a stable, flat surface.

7. SPECIFICATIONS

Specification	Detail
Product Dimensions	18 x 11 x 17 inches
Item Weight	7 Pounds
Model Number	us-ap1 Purifier
Brand	Cregrant3D
Manufacturer	Creality
Airflow Rate	280m ³ /h
Suction Power	Up to 1700 Pa
Filtration System	5-Stage (G4 Pre-Filter, H11 HEPA, High-Dense Activated Carbon Mesh, V-Fold Activated Carbon Filter)
Connectivity	WiFi
PM2.5 Monitoring	Real-time display

8. WARRANTY AND SUPPORT

The Cregrant3D Falcon AP1 Smoke Purifier comes with a manufacturer's warranty. For detailed warranty information, product support, or to purchase replacement filters, please visit the official Cregrant3D website or contact their customer service directly. Keep your purchase receipt for warranty claims.