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› AC Infinity Air Filtration Kit 6" User Manual

AC Infinity CLOUDLINE LITE Inline Fan and Carbon Filter Combo

AC Infinity Air Filtration Kit 6" User Manual

Model: CLOUDLINE LITE Inline Fan and Carbon Filter Combo

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your AC Infinity Air Filtration Kit 6". This kit is designed to cool, ventilate, and control odors effectively in your grow space, ensuring optimal environmental conditions.



Figure 1: Complete AC Infinity Air Filtration Kit 6" components.

COMPONENTS INCLUDED

- CLOUDLINE LITE Inline Fan with Speed Controller
- Carbon Filter with Prefilter Cloth
- Four-Layer Flexible Ducting (25 ft length)
- Duct Clamps
- Mounting Hardware (screws for controller)

SPECIFICATIONS

UIS™

FAN | CLOUDLINE 6"

DUCT SIZE | Ø 6"

POWER USAGE | 35 Watts

CONTROLLER | Speed Controller

FAN AIRFLOW | 352 CFM

NOISE | 34 dBA

SPEED | 10 + Power Switch

VOLTAGE | 100-240V AC

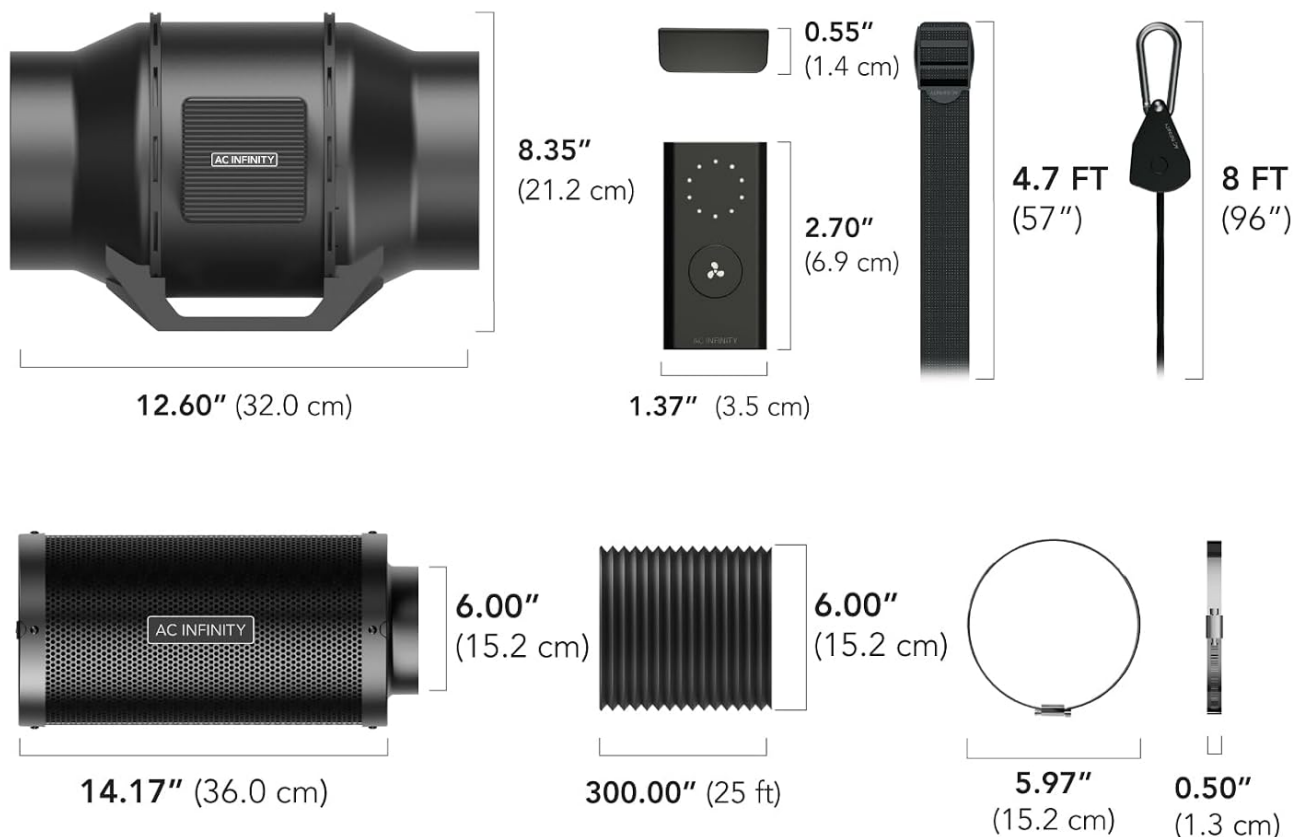


Figure 2: Detailed dimensions and specifications of the kit components.

SETUP INSTRUCTIONS

Follow these steps to properly set up your air filtration kit:

1. Mounting the Fan and Filter:

Securely hang the CLOUDLINE inline fan and carbon filter within your grow space. Ensure they are positioned to optimize airflow. The carbon filter comes with handy hanger hooks for easy installation.



Figure 3: Example installation of the fan and filter inside a grow tent.

2. Connecting the Ducting:

Connect the four-layer flexible ducting to both the inline fan and the carbon filter. Use the provided duct clamps to ensure a secure and airtight connection. The ducting directs airflow to and from your grow tent.



Figure 4: Illustration of airflow through the inline fan and carbon filter system.

3. Controller Installation:

Mount the speed controller onto a wall or suitable surface using the included machine and wood mounting screws. Connect the fan to the speed controller.

SPEED CONTROLLER

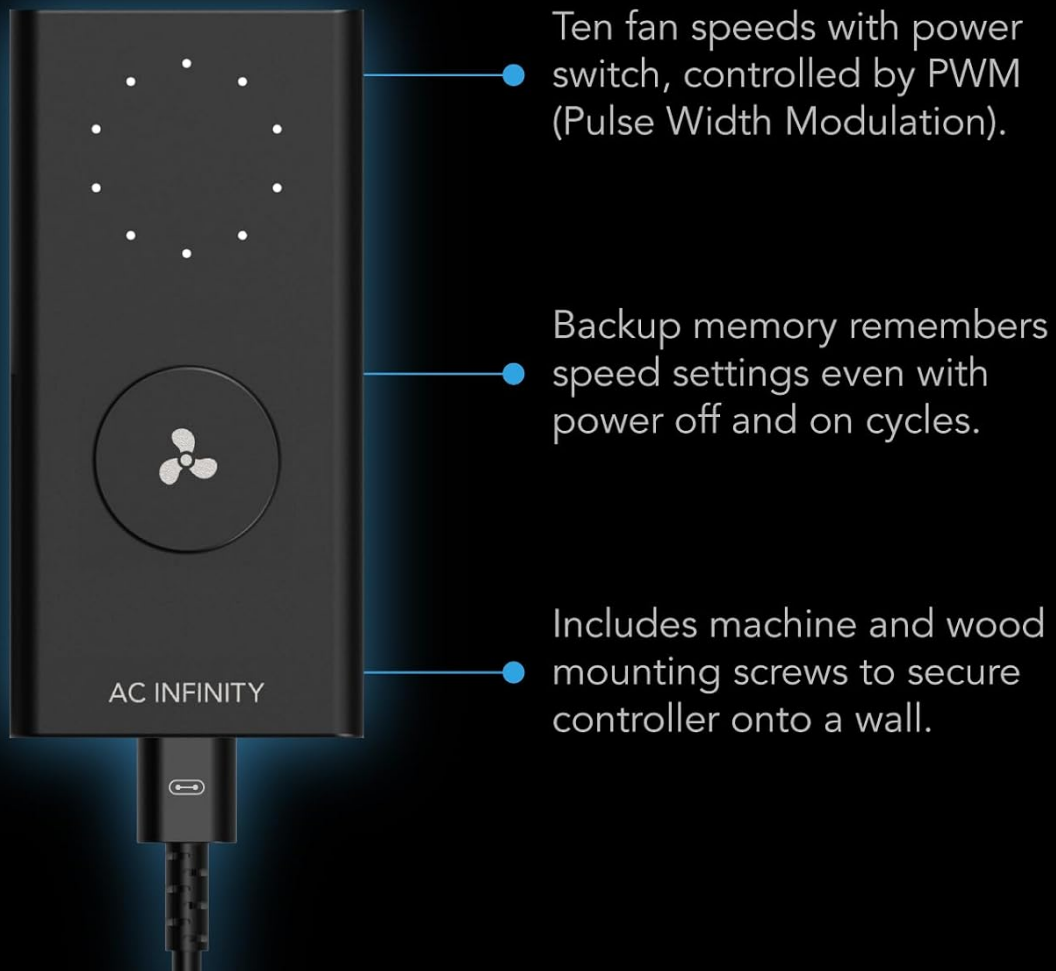


Figure 5: The included speed controller for the inline fan.

OPERATING INSTRUCTIONS

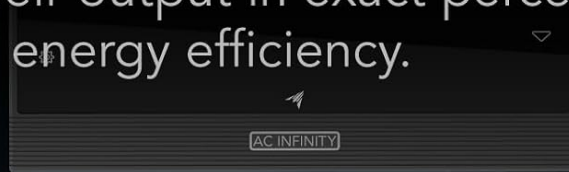
The CLOUDLINE LITE inline fan features a speed controller for easy operation:

- **Power On/Off:** Use the power switch on the controller to turn the fan on or off.
- **Adjusting Fan Speed:** The controller offers ten fan speeds, controlled by Pulse Width Modulation (PWM) for silent and efficient performance. Rotate the dial to select your desired airflow.
- **Memory Function:** The controller has a backup memory feature that remembers your speed settings even after power off and on cycles.

For advanced control and integration with other grow equipment, consider connecting this device to a UIST™ controller. This allows for mixing and matching up to 32 smart grow devices, controlling their output in exact percentages for precision and energy efficiency.

LARGEST GROW ECOSYSTEM

Connect this device to a UIS™ controller, mixing and matching up to 32 smart grow devices that can control their output in exact percentages for precision and energy efficiency.



TERRAFORM Series
Air Conditioning Units



CLOUDFORGE Series
Plant Humidifiers



THERMOFORGE Series
Plant Heaters



IONFRAME Series
Commercial Grow Lights



IONBEAM Series
Supplement Grow Lights



IONBOARD Series
LED Light Boards



CLOUDLINE Series
Inline Exhaust Fans



CLOUDLIFT Series
Floor Wall Fans



CLOUDRAY Series
Clip-on Fans



AIRBLAZE Series
Circulation Blower



AIRLIFT Series
Shutter Exhaust Fans



AIRTITAN Series
Room Exhaust Fans



with



UIS Lighting Adapters
Control Other Brands' Lights



with



UIS Control Plug
Control Outlet Devices

*Devices shown sold separately

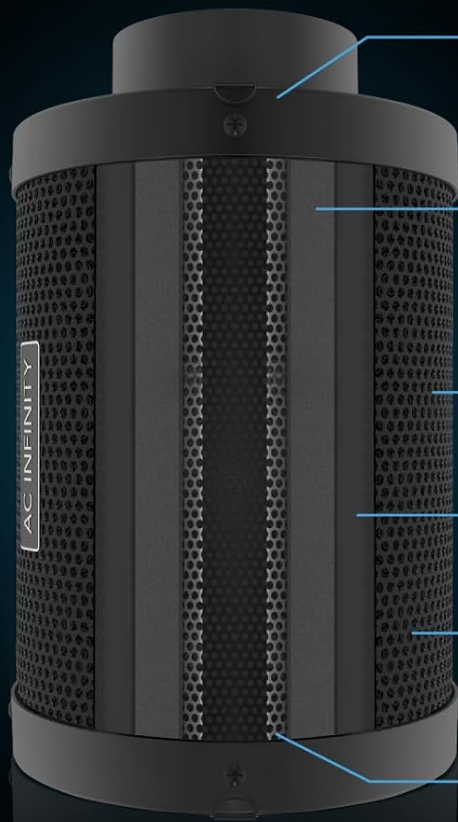
Figure 6: The AC Infinity UIS™ ecosystem for integrated grow control.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your air filtration kit:

- **Carbon Filter:** The carbon filter includes a prefilter cloth. Regularly check and clean or replace the prefilter to prevent dust and debris from clogging the activated charcoal. The carbon filter uses 1200+ IAV activated charcoal for high efficacy odor blocking.
- **Ducting:** Inspect the flexible ducting periodically for any tears, kinks, or blockages that could impede airflow. Ensure all connections remain secure.
- **Fan:** Keep the fan blades and housing clean from dust buildup. Disconnect power before cleaning.

HIGH QUALITY BUILD



Reversible
Aluminum Flange

Premium 1200+
Grade Australian
Virgin Charcoal

Rust-Resistant
Gunmetal Finish

Pre-Filter

High Airflow
Outer Mesh

High Airflow
Inner Mesh

Figure 7: Internal structure of the high-quality carbon filter.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Fan not turning on.	No power, loose connection, controller issue.	Check power outlet, ensure all cables are securely connected to the fan and controller. Verify controller is powered on.
Reduced airflow.	Clogged prefilter/carbon filter, kinked ducting, fan speed too low.	Clean or replace prefilter. Inspect ducting for obstructions or kinks. Increase fan speed using the controller.
Persistent odors.	Saturated carbon filter, improper sealing of grow space.	Replace the carbon filter. Ensure your grow tent or space is properly sealed to prevent odor leakage.

Problem	Possible Cause	Solution
Excessive noise.	Fan imbalance, loose mounting, high fan speed.	Check fan for any obstructions or debris. Ensure fan is securely mounted. Reduce fan speed if noise is due to high airflow.

SPECIFICATIONS

- **Fan Model:** CLOUDLINE 6"
- **Duct Size:** 6 inches
- **Fan Airflow:** 352 CFM (Cubic Feet Per Minute)
- **Noise Level:** 34 dBA
- **Power Usage:** 35 Watts
- **Controller:** Speed Controller (10+ speeds with power switch)
- **Voltage:** 100-240V AC
- **Carbon Thickness:** 38 mm
- **Ducting Length:** 25 ft
- **Item Weight:** 26.2 pounds (approx. 11.91 kg)
- **Product Dimensions:** 5.98 x 5.98 x 5.98 inches (fan/filter components vary)

WARRANTY & SUPPORT

For warranty information and technical support, please refer to the official AC Infinity website or contact their customer service directly. A PDF user manual is also available for download from the product's Amazon page for more detailed information.

Official User Manual (PDF): [Download Here](#)

