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AC Infinity CLOUDLINE S4

AC Infinity CLOUDLINE PRO S4 User Manual

Quiet 4" Inline Duct Fan with Speed Controller

PRODUCT OVERVIEW

The AC Infinity CLOUDLINE PRO S4 is a quiet and energy-efficient 4-inch inline duct fan designed for various ventilation applications. It features an EC motor with PWM control, offering superior performance and reduced noise compared to traditional AC motors. This fan is ideal for ventilating grow tents, transferring heating or cooling to rooms, circulating air, exhausting odors, and cooling AV racks. It comes with a wired 10-speed controller for precise airflow management and is compatible with all UIS controllers for intelligent programming.



Image: The AC Infinity CLOUDLINE PRO S4 inline duct fan and its wired speed controller.

SETUP AND INSTALLATION

Proper installation of your CLOUDLINE PRO S4 fan is crucial for optimal performance and safety. The fan is designed for inline ducting systems and can be mounted in various orientations. Ensure all connections are secure and airtight to prevent air leaks and maximize efficiency.

Components Included:

- CLOUDLINE PRO S4 Inline Duct Fan
- Wired 10-Speed Controller
- Mounting Hardware (screws, wall anchors)
- Power Cord

Installation Steps:

1. **Choose Location:** Select a suitable location for the fan within your ducting system. Consider accessibility for maintenance and proximity to power outlets.
2. **Mount Fan:** Use the included mounting hardware to securely attach the fan to a stable surface, such as a wall or ceiling joist. Ensure the fan is level.
3. **Connect Ducting:** Attach appropriate 4-inch ducting to both ends of the fan. Use duct clamps (not included) to ensure a tight, leak-free seal.
4. **Connect Controller:** Plug the wired speed controller into the designated port on the fan.

5. **Power On:** Plug the fan's power cord into a standard electrical outlet.

SPEED CONTROLLER



Ten fan speeds with power switch, controlled by PWM (Pulse Width Modulation).

Backup memory remembers speed settings even with power off and on cycles.

Includes machine and wood mounting screws to secure controller onto a wall.

Image: Diagram illustrating the setup of the duct fan within a ventilation system, showing connections to ducting and a carbon filter (filter not included).





28
dB



358 m³/h



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Image: The CLOUDLINE PRO S4 fan installed inside a grow tent, connected to ducting for exhaust.

The CLOUDLINE PRO S4 is operated using its wired 10-speed controller. This controller allows you to precisely adjust the fan's speed to meet your ventilation needs.

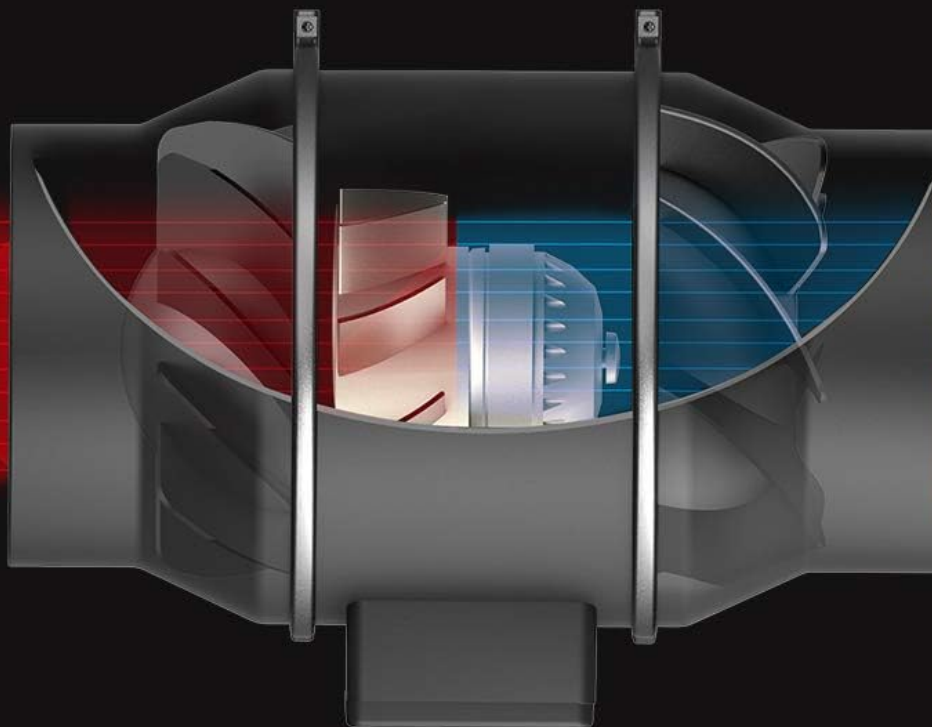
Speed Controller Functions:

- **Power Button:** Press to turn the fan ON or OFF.
- **Speed Adjustment:** Use the up/down buttons to cycle through 10 different fan speeds. The current speed setting is indicated by illuminated LEDs on the controller.
- **Memory Function:** The controller features a backup memory that retains your last speed setting even after a power interruption.

For advanced control, the CLOUDLINE PRO S4 is compatible with all AC Infinity UIS controllers (sold separately). These intelligent controllers offer programmable features and app control for automated environmental management.

QUIET AND ENERGY EFFICIENT

Each unit features a precise Pulse Width Modulated (PWM) controlled EC-motor that is exceptionally quieter and uses less power than conventional AC-motors.



CLOUDLINE T6 shown. May not be the same model as this listing.

Image: Detailed view of the wired speed controller, highlighting its 10-speed adjustment, power switch, and memory function.

AC INFINITY ECOSYSTEM



Connect this device to an advance UIS controller to create and automate your grow system with app control.

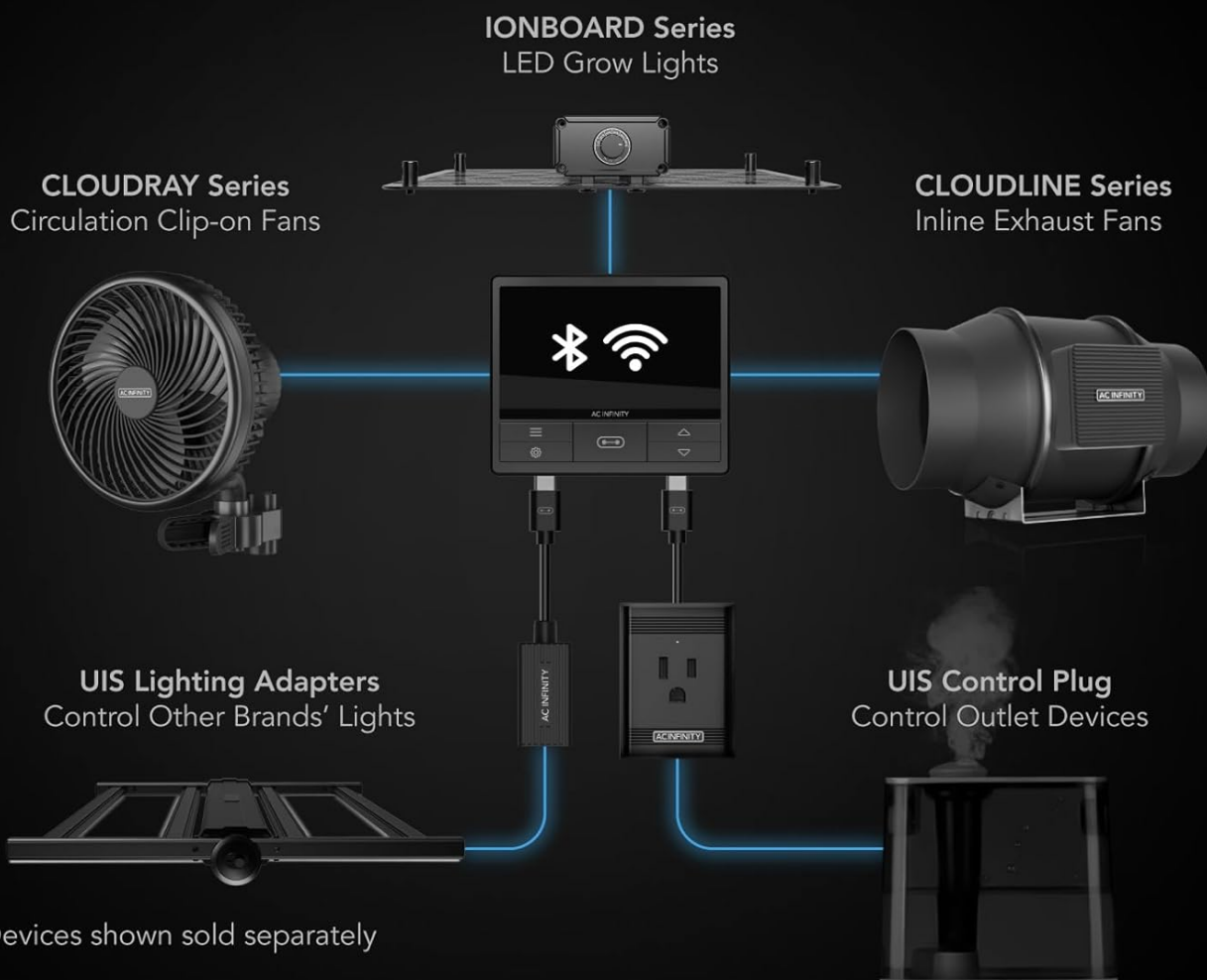


Image: Diagram showing how the CLOUDLINE fan integrates into the AC Infinity Ecosystem with other UIS-compatible devices for comprehensive environmental control.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your CLOUDLINE PRO S4 fan.

Cleaning:

- Periodically inspect the fan blades and housing for dust and debris buildup.
- Disconnect the fan from power before cleaning.
- Use a soft, dry cloth or a vacuum cleaner with a brush attachment to gently remove any accumulated dust. Avoid using harsh chemicals or abrasive materials.

Inspection:

- Check ducting connections regularly to ensure they remain secure and airtight.

- Inspect the power cord and controller cable for any signs of damage.

TROUBLESHOOTING

If you encounter issues with your CLOUDLINE PRO S4 fan, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Fan not turning on	No power, loose connection, controller issue	Check power outlet, ensure all cables are securely connected, try a different outlet.
Low airflow	Ducting obstruction, fan speed too low, air leaks	Check ducting for blockages, increase fan speed, inspect ducting for leaks and seal them.
Excessive noise	Loose mounting, debris in fan, ducting vibration	Ensure fan is securely mounted, clean fan blades, secure ducting to prevent vibration.
Controller unresponsive	Cable issue, internal fault	Check controller cable connection. If issue persists, contact customer support.

SPECIFICATIONS

Detailed technical specifications for the AC Infinity CLOUDLINE PRO S4:

Feature	Detail
Model	CLOUDLINE S4
Duct Size	4 Inches
Airflow Capacity	205 Cubic Feet Per Minute (CFM)
Noise Level	28 dBA
Power Usage	21 Watts
Bearings	Dual Ball
Control Method	Wired Speed Controller (PWM) / App (with UIS controller)
Product Dimensions	6.9"D x 7.4"W x 11.9"H
Cable Length (Power)	144 Inches (12 ft)
Voltage	240 Volts

SPECIFICATIONS

UIS™

MODEL | CLOUDLINE S4

DUCT SIZE | Ø 4"

POWER USAGE | 21 Watt

CONTROLLER | Speed Controller

ENGINE | EC-Motor PWM

AIRFLOW | 205 CFM

NOISE | 28 dBA

SPEED | 10 + Power Switch



7.40"
(18.8 cm)

11.93" (30.3 cm)

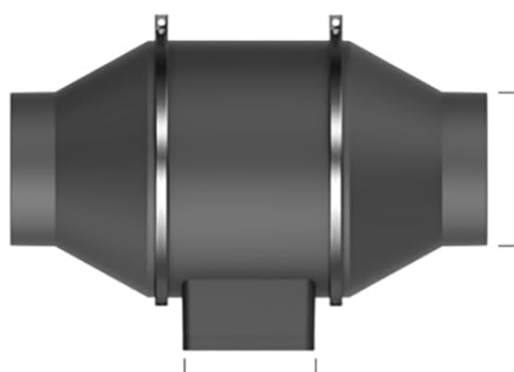


2.70"
(6.9 cm)

1.37" (3.5 cm)



0.55"
(1.4 cm)



3.82"
(9.7 cm)

3.31" (8.4 cm)

Power Cord
Length:



8 FT
(96")
(244 cm)

Fan to Controller
Cord Length:



10 FT
(120")
(305 cm)

Image: Diagram showing the dimensions and key specifications of the CLOUDLINE S4 fan and its controller.


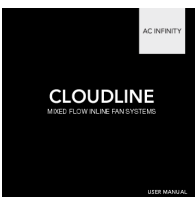
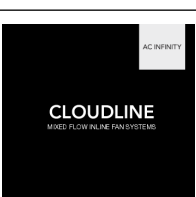
WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official AC Infinity resources.

- **User Manual (PDF):** For a comprehensive guide, download the official user manual: [Download User Manual](#)
- **Brand Store:** Visit the AC Infinity brand store for product information, accessories, and support: [AC Infinity Store](#)

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Related Documents - CLOUDLINE S4

	<p>AC INFINITY CLOUDLINE A/B Mixed Flow Inline Fan Systems User Manual</p> <p>Comprehensive user manual for AC INFINITY CLOUDLINE A/B Mixed Flow Inline Fan Systems. Covers key features, installation, programming, and FAQs for optimal ventilation in grow tents and similar environments.</p>
	<p>AC Infinity CLOUDLINE Mixed Flow Inline Fan Systems User Manual</p> <p>User manual for AC Infinity CLOUDLINE mixed flow inline fan systems, detailing installation, setup, programming, app control, and maintenance for models like CLOUDLINE S4, S6, S8, S10, S12, T4, T6, T8, T10, T12.</p>
	<p>AC Infinity CLOUDLINE Air Filtration System User Manual Installation, Features, and FAQ</p> <p>Comprehensive user manual for the AC Infinity CLOUDLINE Air Filtration System. Learn about key features, installation guides (hanging, mounting, filter & ducting), powering, controller upgrades, cleaning, programming, troubleshooting (FAQ), warranty, and other AC Infinity products.</p>
	<p>AC Infinity CLOUDLINE Mixed Flow Inline Fan Systems User Manual</p> <p>Comprehensive user manual for AC Infinity CLOUDLINE mixed flow inline fan systems, detailing installation, setup, operation, and features for S-Series and T-Series models. Learn about smart controls, quiet motors, and IP-44 protection.</p>
	<p>AC Infinity CLOUDLINE Mixed Flow Inline Fan Systems User Manual</p> <p>Comprehensive user manual for AC Infinity CLOUDLINE mixed flow inline fan systems, covering installation, setup, programming, maintenance, and troubleshooting for models like S4, S6, S8, S10, S12, T4, T6, T8, T10, T12.</p>
	<p>AC Infinity CLOUDLINE PRO Mixed Flow Inline Fan Systems User Manual</p> <p>Detailed user manual for AC Infinity CLOUDLINE PRO mixed flow inline fan systems, covering installation, setup, programming, features, and troubleshooting for optimal environmental control.</p>