

AC Infinity AI-ACS6

AC Infinity AIRCOM S6 User Manual

Quiet Cooling Blower Fan System for AV Cabinet Components

1. PRODUCT OVERVIEW

The AC Infinity AIRCOM S6 is a quiet cooling blower fan system specifically designed to cool various audio-video (AV) components such as receivers, amplifiers, DVRs, and game consoles. It helps prevent overheating, which can lead to performance issues and shorten the lifespan of your valuable electronics. This system features intelligent programming with thermal trigger modes and multiple speed control options to maintain optimal operating temperatures.



Figure 1: Front view of the AC Infinity AIRCOM S6 cooling system.

2. SETUP AND INSTALLATION

The AIRCOM S6 is designed for easy integration into your AV setup. It features a rear-exhaust design, making it ideal for cabinets or racks where heat needs to be expelled from the back.

Placement:

- Place the AIRCOM S6 directly on top of the AV component you wish to cool. Ensure the component's top surface is clear for optimal airflow.
- For best results, ensure there is adequate space behind the unit for the rear exhaust to dissipate heat effectively.
- The low-profile design allows other components to be stacked on top of the AIRCOM S6 if needed, provided proper ventilation is maintained.

SPECIFICATIONS

MODEL | AIRCOM S6
DESIGN | Rear Exhaust Blowers
POWER | 5.2 Watt

ENGINE | Dual 120mm
AIRFLOW | 100 CFM
NOISE | 20 dBA



11.6" (29.5 cm)



1.5"
(3.8 cm)



6.3"
(16.0 cm)

Figure 2: The AIRCOM S6 positioned on top of an AV receiver within a cabinet.

COMPONENT COOLING SYSTEM

Prevents overheating and optimizes performances for receivers, DVRs, amplifiers, and other AV components.



Figure 3: Illustration of the cooling airflow provided by the AIRCOM S6.

Power Connection:

Connect the power adapter to the unit and plug it into a standard electrical outlet. The unit is ready for operation once powered.

3. OPERATION AND CONTROLS

The AIRCOM S6 features intuitive controls for managing its cooling performance. It includes programming features such as thermal trigger modes and four speed control options.

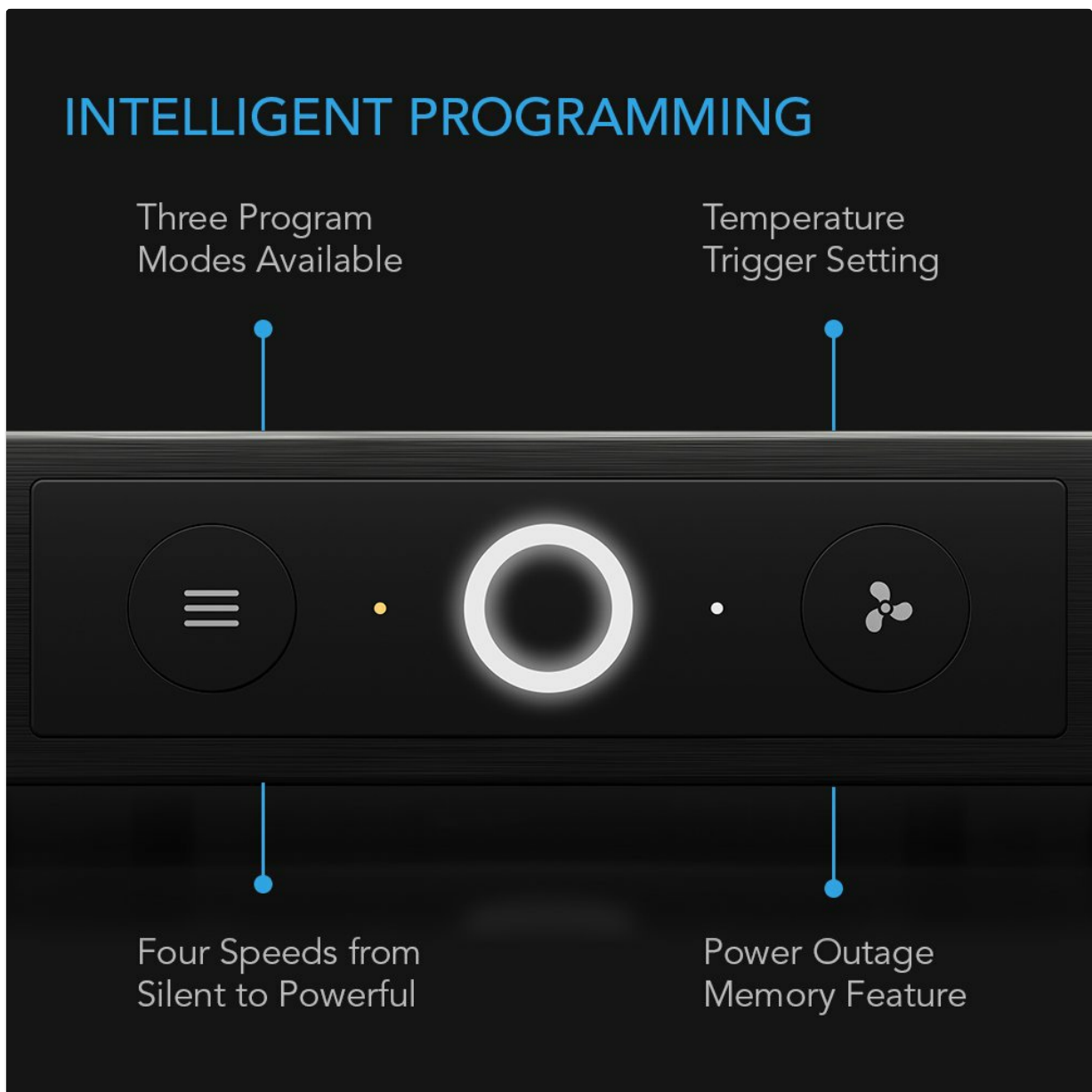


Figure 4: Control panel detailing programming options and speed settings.

Control Modes:

- **Thermal Trigger Modes:** The system can be set to automatically activate based on detected temperature, ensuring cooling only when necessary.
- **Speed Control:** Choose from four fan speeds, ranging from silent to powerful, to balance cooling performance with noise levels. The dual-ball bearing blowers with PWM-controlled motors are designed to minimize operational noise.
- **Power Outage Memory:** The unit retains its last settings in case of a power interruption.

4. MAINTENANCE

To ensure the longevity and optimal performance of your AC Infinity AIRCOM S6, follow these simple maintenance guidelines:

- **Cleaning:** Periodically clean the fan grilles and surfaces with a soft, dry cloth to prevent dust buildup, which can impede airflow and reduce cooling efficiency.
- **Ventilation:** Ensure that the rear exhaust area remains unobstructed to allow for proper heat dissipation.

- **Inspection:** Regularly check the power cable for any signs of damage.

5. TROUBLESHOOTING

If you encounter any issues with your AIRCOM S6, consider the following common troubleshooting steps:

- **Unit Not Turning On:** Verify that the power adapter is securely plugged into both the unit and a working electrical outlet.
- **Insufficient Cooling:** Check for any obstructions around the fan grilles or the rear exhaust. Ensure the unit is placed directly on the component requiring cooling.
- **Unusual Noise:** Ensure the unit is placed on a stable, flat surface. Check for any foreign objects that might have entered the fan area.
- **Temperature Readings Inaccurate:** Ensure the thermal probe (if applicable to your model) is correctly positioned to measure the component's temperature.

If problems persist after attempting these steps, please refer to the support section for further assistance.

6. TECHNICAL SPECIFICATIONS

Detailed specifications for the AC Infinity AIRCOM S6:

LOW PROFILE STRUCTURE

1.5 inches
3.81 cm



Steel framework is custom designed for low clearance applications and enables components to stack on top.

Figure 5: Dimensions and key specifications of the AIRCOM S6.

Feature	Detail
Model	AIRCOM S6 (AI-ACS6)
Product Dimensions	11.6"L x 6.3"W x 1.5"H (29.5 x 16.0 x 3.8 cm)
Weight	3 Pounds
Exhaust Direction	Rear
Airflow	100 CFM
Noise Level	20 dBA
Fan Type	Dual 120mm Dual-Ball Bearing Blowers
Power Consumption	5.2 Watts
Voltage	240 Volts
Maximum Rotational Speed	4200 RPM

Material

Alloy Steel

7. WARRANTY AND SUPPORT





AC Infinity products are designed for reliability and performance. For specific warranty information, please refer to the documentation included with your purchase or visit the official AC Infinity website.

For additional support, frequently asked questions, or to download the full user guide, please visit the AC Infinity support page or contact their customer service directly.

You can also access the official user guide PDF[here](#).

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Related Documents - AI-ACS6

	AC Infinity AIRCOM Series Component Cooling System User Manual User manual for the AC Infinity AIRCOM Series component cooling systems, detailing product features, requirements, setup, programming, FAQs, and warranty information. Includes model numbers and specifications for AIRCOM S and T series.
	AC Infinity AIRCOM Series Component Cooling System User Manual User manual for the AC Infinity AIRCOM Series Component Cooling System. Learn about product requirements, key features, setup, programming, and troubleshooting for models like AIRCOM S6, S7, S8, S9, S10, T8, T9, and T10. Includes warranty information and contact details.
Preview	AC Infinity AIRCOM Series Component Cooling System User Manual User manual for the AC Infinity AIRCOM Series component cooling systems, detailing product requirements, features, setup, programming, other products, and warranty information.
	AC Infinity Axial Series Project Cooling Fans User Manual User manual for AC Infinity Axial Series Project Cooling Fans, detailing product specifications, key features, contents, fan replacement, mounting, powering, speed controller operation, other AC Infinity products, and warranty information.
	AC Infinity Axial Series Project Cooling Fans User Manual Comprehensive user manual for AC Infinity Axial Series project cooling fans. Covers product specifications, key features, contents, fan replacement, mounting, powering, speed controller operation, other AC Infinity products, and warranty information.



[AC Infinity AIRPLATE Series Cabinet Cooling System User Manual](#)

User manual for the AC Infinity AIRPLATE Series cabinet cooling system, detailing product features, installation, powering, controller programming for T-Series and Multizone models, FAQs, and warranty information.