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## AC Infinity AI-MPF80A

# AC Infinity MULTIFAN S1 80mm USB Fan Instruction Manual

MODEL: AI-MPF80A

*Brand: AC Infinity*

## 1. Introduction and Overview

The AC Infinity MULTIFAN S1 is an ultra-quiet, UL-certified 80mm USB fan designed to provide efficient cooling for various electronic devices and components. This fan features a multi-speed controller, allowing users to adjust the fan's speed to achieve optimal balance between airflow and noise levels. Its dual-ball bearings ensure a long lifespan and enable flexible placement, whether laid flat or standing upright. The fan is powered conveniently via a standard USB port, commonly found on AV electronics, game consoles, and computers.

## 2. Product Features

- Ultra-Quiet Operation:** Engineered with a PWM-motor for minimal noise output.
- Multi-Speed Controller:** Allows adjustment of fan speed for customized airflow and noise levels.
- Dual-Ball Bearings:** Provides a long lifespan of 67,000 hours and supports versatile mounting orientations.
- USB Powered:** Connects to standard USB ports for power, eliminating the need for an external power adapter.
- Anti-Vibration Feet:** Includes silicone feet to absorb vibrations and reduce noise.

## QUIET USB FANS

Designed to quietly cool Xboxs, Playstations, Rokus, Apple TVs, receivers, modems, routers, DVRs, computers, and other audio video electronics.



Two MULTIFAN S3 fans shown. May not be the same models as this listing.

Figure 2.1: The MULTIFAN S1 is designed for quiet cooling of various electronic devices.

### 3. Setup Instructions

- 1. Unpack the Fan:** Carefully remove the MULTIFAN S1 and its accessories from the packaging.
- 2. Position the Fan:** Place the fan on or near the electronic device you wish to cool. Ensure the fan's airflow direction is appropriate for your cooling needs (e.g., blowing air onto a hot surface or exhausting hot air away). The included rubber feet help stabilize the fan and reduce vibration.
- 3. Connect to Power:** Plug the USB connector into an available USB port on your device (e.g., receiver, game console, computer) or a USB wall adapter.
- 4. Adjust Speed:** Use the integrated multi-speed controller to select your desired fan speed.



Figure 3.1: The AC Infinity MULTIFAN S1 with its speed controller and USB connection.

## 4. Operating Instructions

The MULTIFAN S1 features a simple multi-speed controller for easy operation:

- **High Speed (H):** Provides maximum airflow for situations requiring significant cooling.
- **Medium Speed (M):** Offers a balanced airflow suitable for most applications, maintaining a good balance between cooling performance and noise.
- **Low Speed (L):** Delivers minimal noise for environments where quiet operation is paramount, with reduced airflow.
- **Off:** A convenient switch to power off the fan.

Simply slide the switch on the controller to select your preferred speed setting or to turn the fan off.

# SPEED CONTROLLER

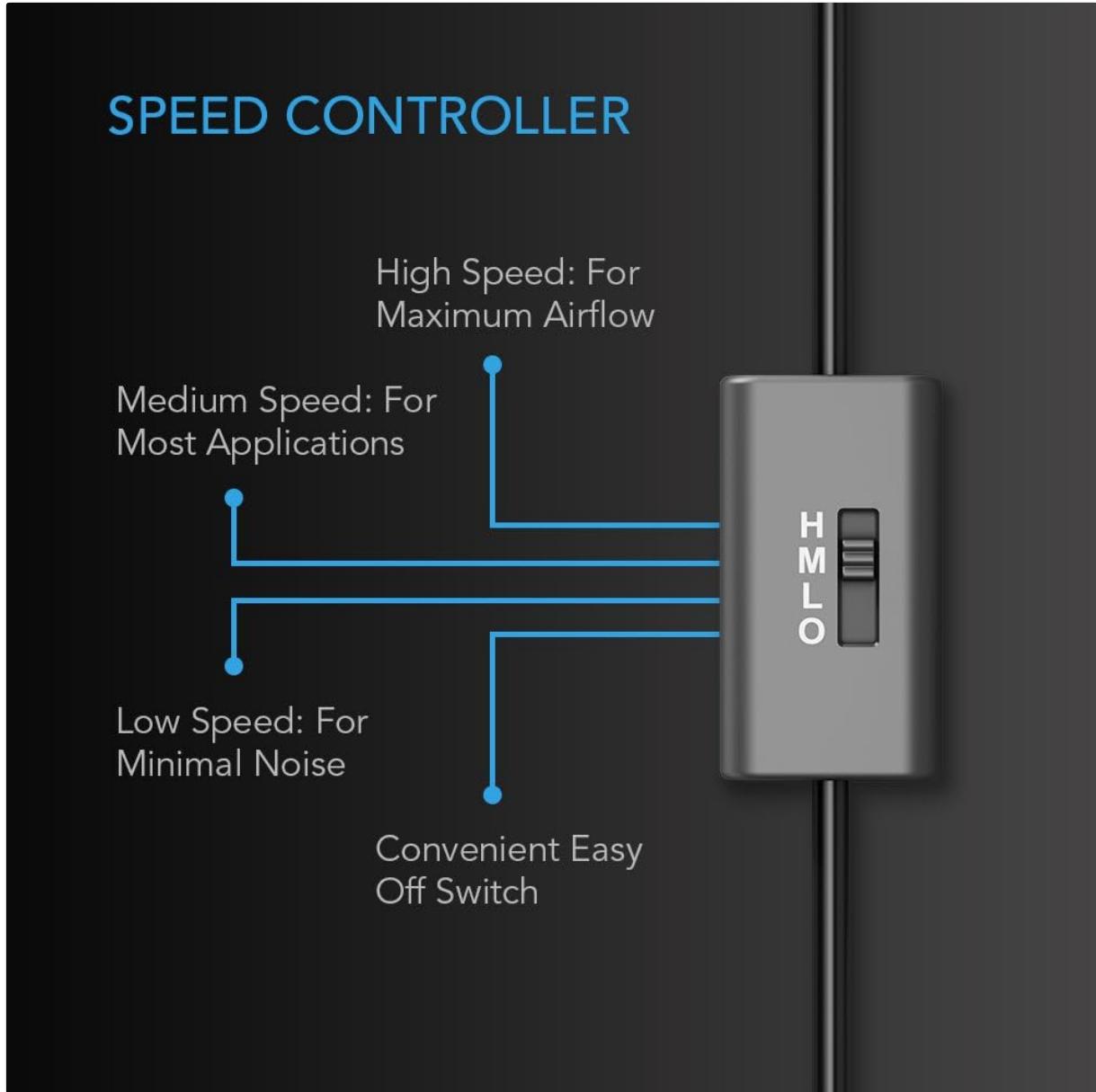


Figure 4.1: The multi-speed controller allows for easy adjustment of fan performance.

## 5. Maintenance

To ensure optimal performance and longevity of your MULTIFAN S1, follow these simple maintenance guidelines:

- **Regular Cleaning:** Periodically clean the fan blades and grille to prevent dust buildup, which can impede airflow and increase noise. Use a soft, dry cloth or compressed air.
- **Inspect Bearings:** While the dual-ball bearings are designed for long life, occasionally check for any unusual noises or resistance during operation, which might indicate an issue.
- **Cable Inspection:** Ensure the USB cable and speed controller are free from damage.

## ULTRA QUIET

Each fan utilizes a PWM-motor that is engineered to be ultra quiet while delivering high airflow. Dual-ball bearings enable fans to be positioned horizontally.



Figure 5.1: The fan's internal components, including the PWM motor and dual-ball bearings, contribute to its quiet operation and durability.

## 6. Troubleshooting

Problem	Possible Cause	Solution
Fan not spinning	No power; loose connection; controller set to 'Off'	Ensure USB is securely plugged in. Try a different USB port. Check controller switch is set to H, M, or L.
Excessive noise or vibration	Dust buildup; fan not stable; damaged bearings	Clean fan blades and grille. Ensure fan is placed on a flat, stable surface. Check if rubber feet are properly installed.
Insufficient cooling	Fan speed too low; incorrect placement	Increase fan speed using the controller. Adjust fan position to optimize airflow to or from the device.

## ANTI-VIBRATION FEET

Features silicone feet designed to absorb noise and surface friction caused by fan vibrations. Unused pieces can be detached to reduce overall height.

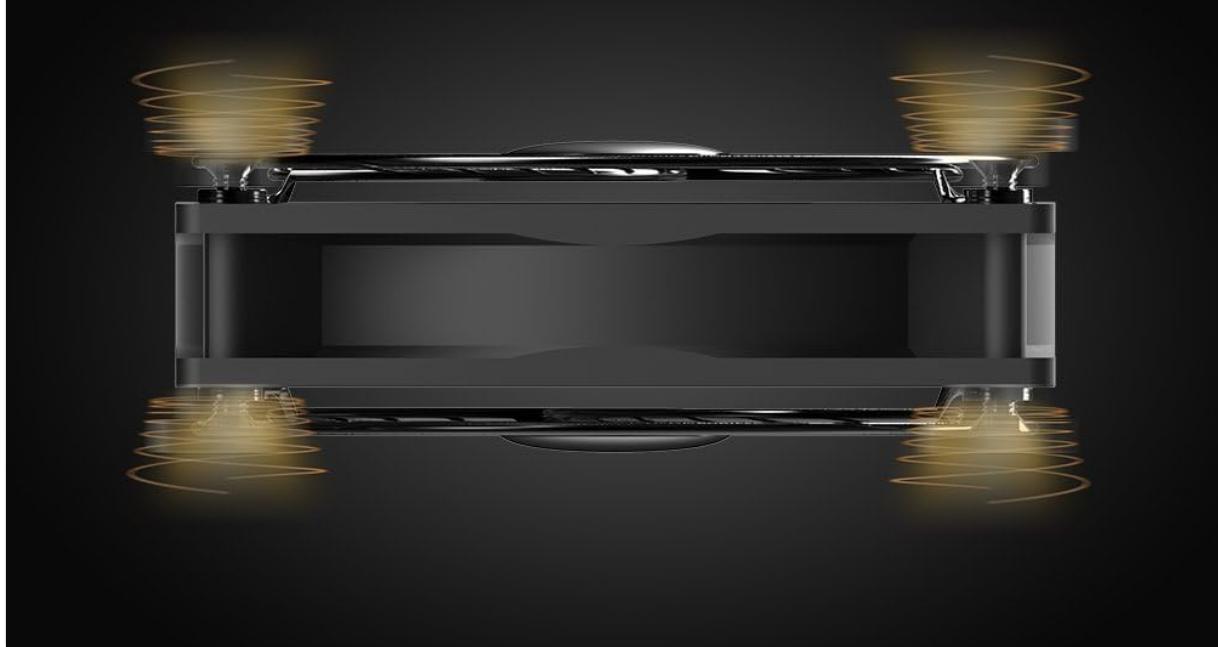


Figure 6.1: The anti-vibration feet help minimize noise and ensure stability.

## 7. Specifications

Feature	Detail
Model	AI-MPF80A
Product Dimensions	3.2" L x 1" W x 3.2" H (8.0cm x 2.5cm x 8.0cm)
Fan Size	80mm
Airflow	26 CFM (Cubic Feet Per Minute)
Noise Level	17 dBA (Decibels)
Bearings	Dual Ball
Maximum Rotational Speed	2000 RPM
Power Connector Type	USB

Feature	Detail
Voltage	7.2 Volts
Wattage	1.1 watts
Material	Rubber (for feet)
UPC	854759004327

## SPECIFICATIONS

**MODEL** | MULTIFAN S1 / S5 (per fan)

**FANS** | ACX-FD8025(B)05W5  
(UL CERT E503903)

**SPEED** | 2000 RPM

**BEARINGS** | Dual Ball

**AIRFLOW** | 26 CFM

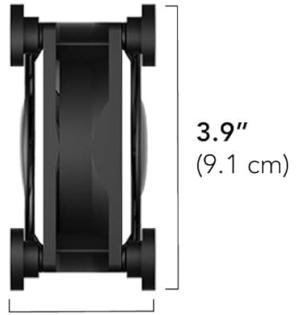
**NOISE** | 17 dBA

**POWER** | 1.1 Watt



**3.9"** (9.1 cm)

**3.9"**  
(9.1 cm)



**1.8"** (4.6 cm)  
Fan: **1.0"** (2.5 cm)

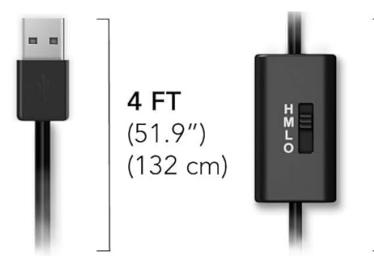
**3.9"**  
(9.1 cm)



**3.2"** (8.0 cm)

**3.2"**  
(8.0 cm)

**Controller to USB Length:** **Fan to Controller Cord Length:**



**4 FT**  
(51.9")  
(132 cm)



**2 FT**  
(27.1")  
(69 cm)

Figure 7.1: Detailed dimensions and technical specifications of the fan.

MULTIFAN S7 shown for series reference.  
May not be the same model as this listing.

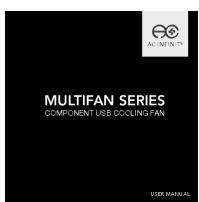


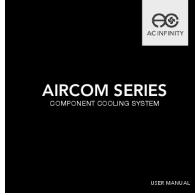
Figure 7.2: Example of MULTIFAN S7 (similar to S1) used for cooling an AV receiver.

## 8. Warranty and Support

For warranty information and customer support, please refer to the official AC Infinity website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

### Related Documents - AI-MPF80A

 <p>MULTIFAN SERIES COMPONENT USB COOLING FAN USER MANUAL</p>	<p><a href="#">AC Infinity MULTIFAN Series USB Cooling Fan User Manual</a></p> <p>Comprehensive user manual for the AC Infinity MULTIFAN Series USB cooling fans, detailing product features, requirements, applications, setup, and warranty information.</p>
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 <p>AIRCOM SERIES COMPONENT COOLING SYSTEM USER MANUAL</p>	<p><a href="#">AC Infinity Aircom Series Component Cooling System User Manual</a></p> <p>Comprehensive user manual for the AC Infinity Aircom Series component cooling systems, detailing features, installation, operation, programming, and warranty information for various fan and controller models.</p>
 <p>AIRPLATE SERIES CABINET COOLING SYSTEM USER MANUAL</p>	<p><a href="#">AC Infinity AIRPLATE Series Cabinet Cooling System User Manual</a></p> <p>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.</p>
 <p>AIRPLATE SERIES CABINET COOLING SYSTEM USER MANUAL</p>	<p><a href="#">AC Infinity AIRPLATE Series Cabinet Cooling System User Manual</a></p> <p>User manual for the AC Infinity AIRPLATE Series Cabinet Cooling System, detailing features, installation, operation, and troubleshooting for various fan and controller models. Learn how to optimize airflow and temperature control for your equipment.</p>
 <p>AIRCOM SERIES COMPONENT COOLING SYSTEM DIGITAL CINEMA AUDIO/VIDEO SYSTEMS USER MANUAL</p>	<p><a href="#">AC Infinity AIRCOM Series Component Cooling System User Manual   Digital Cinema</a></p> <p>User manual for the AC Infinity AIRCOM Series component cooling systems, available at Digital Cinema. Learn how to set up, program, and utilize features for optimal performance of your audio-video equipment.</p>
 <p>AIRPLATE SERIES CABINET COOLING SYSTEM USER MANUAL</p>	<p><a href="#">AC Infinity Airplate Series Cabinet Cooling System User Manual</a></p> <p>Comprehensive user manual for the AC Infinity Airplate Series cabinet cooling systems, covering installation, programming, features, and troubleshooting for S, T, and P series fans and controllers. Includes product details, safety warnings, and warranty information.</p>