

AeroCool MIRAGE12

Aerocool Mirage 12 ARGB PC Fan Instruction Manual

Model: MIRAGE12

1. INTRODUCTION

Thank you for choosing the Aerocool Mirage 12 ARGB PC Fan. This manual provides detailed instructions for the installation, operation, and maintenance of your new fan. The Mirage 12 ARGB fan features an Infinity Mirror RGB design and is compatible with Addressable RGB motherboards for customizable lighting effects. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. SAFETY INFORMATION

- Ensure your computer system is powered off and disconnected from the main power supply before installation.
 - Handle components with care to avoid damage.
 - Do not attempt to modify the fan or its connectors.
 - Keep out of reach of children.
 - Refer to your motherboard manual for specific ARGB header and fan header locations and voltage requirements.
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3. PACKAGE CONTENTS

The Aerocool Mirage 12 ARGB PC Fan package includes the following items:

- 1 x Aerocool Mirage 12 ARGB PC Fan (120mm)
- Mounting Screws



Image 1: Front view of the Aerocool Mirage 12 ARGB PC Fan, showcasing its infinity mirror RGB lighting effect.

4. INSTALLATION GUIDE

4.1 Physical Installation

1. Identify the desired mounting location within your PC case (e.g., front, rear, top, bottom).
2. Position the fan in the chosen location, ensuring proper airflow direction (typically, the side with the frame supports and sticker is the exhaust side).
3. Secure the fan to the case using the provided mounting screws. Do not overtighten.



Image 2: Back view of the Aerocool Mirage 12 ARGB PC Fan, illustrating the fan blade structure and motor hub.

4.2 Electrical Connection

1. Locate the 6-pin connector on the fan cable.
2. Connect the 6-pin connector to a compatible Aerocool H66F RGB Control Hub (if available) or a similar Addressable RGB controller that supports 6-pin fan connections.
3. If using an H66F RGB Control Hub, connect the hub to your motherboard's 4-pin PWM fan header for fan speed control and a 3-pin 5V Addressable RGB header for lighting control. Refer to the H66F hub manual for detailed instructions.
4. Ensure all connections are secure before powering on your system.



Image 3: Close-up view of the 6-pin connector, used for both power and ARGB signal transmission.

5. OPERATION

5.1 ARGB Lighting Control

The Aerocool Mirage 12 ARGB fan's lighting can be controlled via a compatible Addressable RGB motherboard or an external ARGB controller (e.g., Aerocool H66F RGB Control Hub).

- **Motherboard Software:** If connected to a 3-pin 5V ARGB header on your motherboard, use the motherboard's proprietary software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, Gigabyte RGB Fusion) to customize lighting effects, colors, and patterns.
- **External Controller:** If connected to an external ARGB controller, refer to the controller's manual for instructions on how to adjust lighting settings.

5.2 Fan Speed Control

The fan speed is controlled via the 6-pin connector, which typically interfaces with a PWM-compatible fan header on your motherboard (often through a control hub like the H66F). You can adjust fan speeds through your motherboard's BIOS/UEFI settings or dedicated fan control software.

- Ensure your motherboard's 4-pin fan header is PWM compatible for optimal speed control.
- Adjust fan curves in your motherboard's BIOS/UEFI or operating system software to balance cooling performance and noise levels.

6. MAINTENANCE

To ensure optimal performance and longevity of your Aerocool Mirage 12 ARGB PC Fan, periodic cleaning is recommended.

- **Power Off:** Always power off your computer and disconnect it from the power supply before cleaning.
- **Dust Removal:** Use compressed air or a soft, dry cloth to gently remove dust accumulation from the fan blades and frame.
- **Avoid Liquids:** Do not use liquid cleaners or immerse the fan in water.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Fan not spinning	Incorrect or loose power connection. Insufficient power.	Check the 6-pin connector and ensure it is securely connected to the control hub/motherboard. Verify power supply connections.
ARGB lighting not working	Incorrect or loose ARGB connection. Incompatible ARGB header. Software issue.	Ensure the 6-pin connector is properly seated. Verify that your motherboard's ARGB header is 3-pin 5V (not 4-pin 12V RGB). Check motherboard ARGB software settings.
Fan speed not controllable	Non-PWM fan header. Incorrect BIOS settings.	Confirm your motherboard's fan header is PWM compatible. Adjust fan control settings in your motherboard's BIOS/UEFI.

8. SPECIFICATIONS

Feature	Detail
Model Number	MIRAGE12
Product Dimensions	4.72"L x 4.72"W x 0.98"H (120mm x 120mm x 25mm)
Power Connector Type	6-Pin

Feature	Detail
Voltage	12 Volts
Wattage	1.8 watts
Cooling Method	Fan
Compatible Devices	Desktop
Noise Level	17.8 Decibels
Material	Polycarbonate
Maximum Rotational Speed	1300 RPM



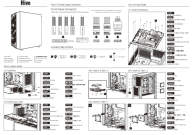
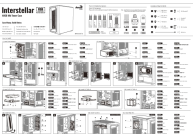
9. WARRANTY AND SUPPORT

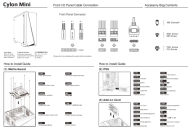
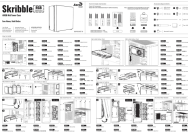
For warranty information and technical support, please refer to the official AeroCool website or contact your local retailer. Keep your proof of purchase for warranty claims.

AeroCool Official Website: www.aerocool.io

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Related Documents - MIRAGE12

	<p>Aerocool Mirage Gold Power Supply User Manual</p> <p>User manual for the Aerocool Mirage Gold series of power supplies, including safety reminders and product specifications.</p>
	<p>Aerocool H66F RGB Хаб: Руководство пользователя по управлению подсветкой и вентиляторами</p> <p>Полное руководство пользователя для хаба Aerocool H66F. Инструкции по настройке RGB-подсветки, управлению скоростью вентиляторов (PWM/ручной режим), выбору режимов, цветов и яркости, а также сопряжению пульта ДУ.</p>
	<p>AeroCool Hive Computer Case Installation Guide</p> <p>Comprehensive installation guide for the AeroCool Hive computer case, detailing motherboard, PSU, SSD, radiator, and fan mounting, along with front panel I/O connections and controls.</p>
	<p>AeroCool Interstellar ARGB Mid Tower PC Case User Manual</p> <p>User manual for the AeroCool Interstellar ARGB Mid Tower PC Case, detailing installation steps for components like motherboards, PSUs, HDDs, SSDs, fans, and radiators. Includes front I/O connection guide and RGB Fan Hub setup for various motherboard RGB systems. Features accessory list and important notes.</p>

	<p>AeroCool Cylon Mini PC Case Installation Guide</p> <p>Comprehensive installation guide for the AeroCool Cylon Mini PC case, covering component installation, front panel connections, and LED mode settings.</p>
	<p>AeroCool Skribble RGB ARGB Mid Tower Case Installation Guide</p> <p>Detailed installation instructions for the AeroCool Skribble RGB ARGB Mid Tower PC Case. This guide covers motherboard, PSU, SSD, fan, and radiator installation, along with I/O panel and RGB fan hub connectivity, presented in English.</p>