GAMEMAX MIRAGEWHITE FINS

GameMax Mirage 120mm PC Cooling Fan Instruction Manual

Model: MIRAGEWHITE FINS

1. INTRODUCTION

The GameMax Mirage 120mm PC Cooling Fan is designed to provide efficient cooling for computer components while offering customizable RGB lighting. This fan features a dual-ring Rainbow LED design, a hydraulic bearing for quiet operation, and a 7-blade fan structure. It is compatible with 5V addressable 3-pin Aura Sync systems, allowing for synchronized lighting effects with compatible motherboards or controllers.

Image 1.1: Front view of the GameMax Mirage fan with active Rainbow LED lighting.

2. SAFETY INFORMATION

- Ensure your computer system is powered off and unplugged from the wall outlet before installation or maintenance.
- Handle components with care to avoid damage from static electricity. Consider using an anti-static wrist strap.
- Do not force connectors. Ensure correct orientation before plugging in cables.
- Keep the fan away from liquids and excessive moisture.
- Do not attempt to disassemble the fan unit beyond what is described in this manual.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x GameMax Mirage 120mm PC Cooling Fan
- 4 x Mounting Screws

Image 3.1: Retail packaging for the GameMax Mirage fan.

4. SETUP AND INSTALLATION

Follow these steps to install your GameMax Mirage 120mm PC Cooling Fan:

1. **Prepare Your System:** Power off your computer and unplug it from the power outlet. Open your computer case to access the fan mounting locations.

2. **Mount the Fan:** Position the fan in your desired location (e.g., case front, rear, top, or radiator). Ensure the airflow direction is correct for your cooling setup. Use the four included mounting screws to secure the fan to the chassis or radiator. The fan features rubber pads on the corners to help reduce vibration.

3. **Connect Fan Power:** Locate the 3-pin power connector on the fan cable. Connect this cable to an available 3-pin fan header on your motherboard or a fan controller.

4. **Connect RGB Lighting:** Locate the 5V addressable 3-pin Aura connector on the fan cable. Connect this to a compatible 5V ARGB header on your motherboard (often labeled 'VDG' or 'ARGB') or an external RGB controller/hub. **Warning: Do not connect this to a 12V RGB header, as it will damage the LEDs.**

Image 4.1: The 3-pin power connector (top) and 5V addressable 3-pin Aura connector (bottom).

The fan cables are braided for improved aesthetics and durability, helping to keep your build neat and tidy.

5. OPERATING INSTRUCTIONS

Once installed, the GameMax Mirage fan operates as follows:

- **Fan Speed Control:** The fan speed is controlled via the 3-pin power connector. If connected to a motherboard fan header, the speed can typically be adjusted through your motherboard's BIOS/UEFI

settings or dedicated software.

- **RGB Lighting Control:** The Rainbow LED lighting is controlled via the 5V addressable 3-pin Aura connector.

    - If connected to a compatible motherboard (e.g., ASUS Aura Sync, MSI Mystic Light, Gigabyte RGB Fusion, ASRock Polychrome Sync), you can use the motherboard's software to customize lighting effects, colors, and synchronization with other ARGB components.
    - If connected to an external RGB hub/controller, refer to the instructions provided with your specific hub/controller for lighting customization options.

Image 5.1: Angled view of the GameMax Mirage fan showcasing its dual-ring Rainbow LED lighting.

6. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your cooling fan:

- **Dust Cleaning:** Periodically inspect the fan blades and frame for dust accumulation. Use compressed air or a soft brush to gently remove dust. Ensure the fan is powered off and unplugged before cleaning.
- **Cable Inspection:** Occasionally check the power and RGB cables for any signs of wear or damage.

7. TROUBLESHOOTING

- **Fan Not Spinning:**

    - Ensure the 3-pin power connector is securely plugged into a functional fan header on the motherboard or controller.
    - Check motherboard BIOS/UEFI settings to ensure the fan header is enabled and configured correctly.

- **LEDs Not Lighting Up or Incorrect Colors:**

  - Verify the 5V addressable 3-pin Aura connector is securely connected to a compatible 5V ARGB header (not 12V RGB).
  - Ensure your motherboard's RGB software or external controller is properly installed and configured.
  - If using a splitter or hub, ensure it is powered and functioning correctly.

- **Excessive Noise:**

  - Check for any cables or obstructions interfering with the fan blades.
  - Ensure the fan is securely mounted and the rubber pads are properly seated to absorb vibrations.
  - Dust accumulation can cause imbalance and noise; clean the fan as described in the Maintenance section.

8. SPECIFICATIONS

Feature	Specification
Model	MIRAGEWHITE FINS
Fan Size	120mm x 120mm x 25mm (0.98 x 4.72 x 4.72 inches)
Bearing Type	Hydraulic Bearing
Fan Blades	7 Blades
LED Type	Addressable Rainbow LED (Dual-Ring)
Fan Power Connector	3-Pin
RGB Connector	5V Addressable 3-Pin Aura Connector
Operating Voltage	5 Volts (for RGB) / 12 Volts (for fan motor, typical for 3-pin)
Rated Wattage	3 Watts
Maximum Rotational Speed	1800 RPM
Noise Level	Approximately 25 dB(A)
Material	Rubber (for vibration dampening)

Image 8.1: Back view of the GameMax Mirage fan, displaying the product label with model and electrical specifications.

9. WARRANTY AND SUPPORT

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