Cooler Master SickleFlow Edge 360 ARGB

Cooler Master SickleFlow Edge 360 ARGB Fan Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Cooler Master SickleFlow Edge 360 ARGB fan. This 360mm single-frame fan is designed to optimize internal airflow and enhance cooling performance in PC systems, featuring customizable ARGB lighting and a simplified modular cabling system.

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 electrostatic discharge. Consider using an anti-static wrist strap.
- Do not attempt to modify the fan or its cables. Unauthorized modifications may void your warranty and pose safety risks.
- Keep the fan away from liquids and excessive moisture.
- Ensure proper ventilation around your PC to prevent overheating.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Cooler Master SickleFlow Edge 360 ARGB Fan Unit
- Modular Cable(s) for power and lighting
- Mounting Screws (typically four per fan mounting point)

Figure 3.1: Included modular cables for the fan unit.

4. SETUP AND INSTALLATION

The SickleFlow Edge 360 ARGB fan features a single-frame design and a modular cable for simplified installation.

4.1 Preparing for Installation

- Power off your computer and unplug it from the power source.
- Open your PC case to access the fan mounting locations.
- Identify the desired mounting location for the 360mm fan unit (e.g., radiator, case fan mounts).

4.2 Mounting the Fan Unit

1. Position the SickleFlow Edge 360 ARGB fan unit against the desired mounting surface. Ensure the airflow direction is correct for your system's cooling strategy (typically intake or exhaust).
2. Align the screw holes on the fan unit with the mounting holes on your case or radiator.
3. Secure the fan unit using the provided mounting screws. Tighten them evenly to prevent warping, but do not overtighten.

Figure 4.1: Top view of the Cooler Master SickleFlow Edge 360 ARGB fan unit.

4.3 Connecting the Cables

The fan unit utilizes a single modular cable for both power and ARGB lighting, simplifying cable management.

1. Locate the modular cable port on the fan unit.
2. Connect the modular cable to the fan unit.
3. Connect the other end of the modular cable to the appropriate headers on your motherboard or a compatible ARGB controller. This typically involves a 4-pin PWM header for fan speed control and a 3-pin ARGB header for lighting control.
4. Route cables neatly to ensure optimal airflow and aesthetics within your PC case.

Figure 4.2: Modular cable connection point on the fan unit.

After installation, close your PC case, reconnect the power, and power on your system.

5. OPERATING INSTRUCTIONS

5.1 Fan Speed Control (PWM)

The SickleFlow Edge 360 ARGB fan supports Pulse Width Modulation (PWM) control via its 4-pin header. This allows your motherboard or fan controller to dynamically adjust fan speeds from 0 to 2,050 RPM based on system temperature, balancing cooling performance and noise levels. You can typically configure fan curves in your motherboard's BIOS/UEFI settings or through manufacturer-provided software.

5.2 ARGB Lighting Control

The fan features addressable RGB (ARGB) lighting, which can be customized to match your system's aesthetic. Control is typically managed through your motherboard's ARGB software (e.g., ASUS Aura Sync, MSI Mystic Light, GIGABYTE RGB Fusion, ASRock Polychrome Sync) or Cooler Master's MasterCTRL software. Ensure the ARGB cable is correctly connected to a compatible 3-pin ARGB header.

Figure 5.1: SickleFlow Edge 360 ARGB fan with active lighting.

6. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your fan.

- **Cleaning:** Periodically clean dust from the fan blades and frame using compressed air or a soft, dry cloth. Ensure the fan is powered off and unplugged before cleaning.
- **Inspection:** Check cables for any signs of wear or damage. Ensure all connections are secure.
- **Bearing:** The fan uses a Loop Dynamic Bearing, designed for long-term, maintenance-free operation. No lubrication is required.

7. TROUBLESHOOTING

- **Fan Not Spinning:**
  - Check if the modular cable is securely connected to both the fan unit and the motherboard/controller.
  - Ensure the 4-pin PWM header on the motherboard is enabled in BIOS/UEFI.
  - Test the fan on a different fan header if available.

- **RGB Lighting Not Working:**
  - Verify the 3-pin ARGB cable is correctly connected to a compatible ARGB header (not a 4-pin RGB header).
  - Ensure your motherboard's ARGB software or MasterCTRL software is installed and configured

correctly.

- Check for any loose connections in the ARGB chain.

- **Excessive Noise:**
  - Ensure the fan is securely mounted and not vibrating against the case.
  - Clean any dust buildup on the fan blades.
  - Adjust fan speed settings in your BIOS/UEFI or software to a lower RPM.

8. SPECIFICATIONS

Product Dimensions	14.21"L x 4.8"W x 1.02"H
Brand	Cooler Master
Power Connector Type	4-Pin PWM
Cooling Method	Fan
Compatible Devices	Desktop, Liquid Cooler
Material	Plastic
Maximum Rotational Speed	2050 RPM
Item Weight	1.15 Pounds

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Cooler Master SickleFlow Edge 360 ARGB fan comes with a **5-Year Manufacturer Warranty**. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the official Cooler Master website.

9.2 Technical Support

For technical assistance, troubleshooting, or product inquiries, please visit the official Cooler Master support website or contact their customer service department. You can find contact information and FAQs on their website:

www.coolermaster.com/support/