

NIZUZONE NIZUZONE5btqcy0fzr-11

NIZUZONE ARGB Chassis Fan User Manual

Synchronized Cooling System for CPU PC Case (Regular Black)

1. INTRODUCTION

Thank you for choosing the NIZUZONE ARGB Chassis Fan. This fan is engineered to provide efficient cooling and stunning visual effects for your computer system. Its versatile design makes it suitable for various applications, including CPU coolers, CPU water coolers, and general computer cases. This manual will guide you through the installation, operation, and maintenance of your new ARGB chassis fan.

Key Features:

- **Versatile Design:** Standard 140x140x25mm size, compatible with CPU coolers, CPU water coolers, and computer cases.
- **Infinite Light Loop:** Features 5V ARGB LED beads and a unique lens design for vibrant, customizable lighting effects.
- **Optimal Cooling Performance:** Operates at 650 to 1850 RPM ($\pm 10\%$) with an airflow of 47.2 CFM ($\pm 10\%$) and air pressure of 1.60mmH₂O ($\pm 10\%$), ensuring effective heat dissipation.
- **Customizable RGB Lighting:** Syncs with your motherboard's RGB system using a 5V 3-pin connector for seamless integration and personalized aesthetics.
- **Quiet Operation:** Incorporates noise reduction technology and anti-vibration rubber pads to minimize noise (6-30 dBA) and ensure stable, quiet cooling.



Figure 1.1: Front view of the NIZUJONE ARGB Chassis Fan, showing the fan blades and connected power/RGB cables.



Figure 1.2: Visual representation of the fan's core features, including ARGB lighting, motherboard synchronization, infinite lens light effect, long service life, hydraulic bearing, and shock absorber pads.

2. SETUP AND INSTALLATION

Before beginning installation, ensure your computer system is powered off and unplugged from the wall outlet. It is recommended to wear an anti-static wrist strap to prevent damage to components.

Package Contents:

- 1 x NIZUUONE ARGB Chassis Fan
- 4 x Mounting Screws



Figure 2.1: The ARGB Chassis Fan and its included mounting screws.

Installation Steps:

1. **Prepare the Mounting Location:** Identify the desired fan mounting location in your PC case, CPU cooler, or water cooler radiator. Ensure there is sufficient clearance.
2. **Position the Fan:** Place the NIZUUONE ARGB fan against the mounting holes, ensuring the airflow direction is correct for your cooling setup (typically, air flows from the open side of the fan towards the side with the motor support struts).
3. **Secure the Fan:** Use the four included mounting screws to secure the fan firmly to the chassis or radiator. Do not overtighten the screws.
4. **Connect Power Cable:** Locate the 4-pin power interface cable from the fan. Connect this cable to an available 4-pin fan header on your motherboard or a fan controller.
5. **Connect ARGB Lighting Cable:** Locate the 3-pin lighting interface cable from the fan. Connect this cable to an available 5V 3-pin ARGB header on your motherboard. **WARNING: Do NOT connect this to a 12V 4-pin RGB header, as this will damage the LEDs.**

Fan Interface



Light series interface



Power supply dual interface series connection

Figure 2.2: Illustration of the fan's 3-pin ARGB lighting interface and 4-pin power supply interface.

Once all connections are made, you can close your PC case and power on your system.

3. OPERATING INSTRUCTIONS

The NIZUONE ARGB Chassis Fan operates automatically based on your system's fan control settings. The ARGB lighting can be controlled via your motherboard's software.

Fan Speed Control:

The fan's 4-pin connector allows for Pulse Width Modulation (PWM) control, enabling your motherboard to dynamically adjust fan speed based on CPU temperature or other system parameters. You can configure fan curves and speed settings through your motherboard's BIOS/UEFI settings or dedicated fan control software provided by your motherboard manufacturer.

ARGB Lighting Control:

The 5V 3-pin ARGB connector allows for addressable RGB lighting synchronization with compatible motherboards. To customize the lighting effects:

1. Ensure the fan's 3-pin ARGB cable is correctly connected to a 5V 3-pin ARGB header on your motherboard.
2. Install the appropriate RGB control software for your motherboard (e.g., ASUS Aura Sync, MSI Mystic Light Sync, GIGABYTE RGB Fusion, ASRock Polychrome Sync).
3. Launch the software and select the NIZUUONE ARGB fan from the detected devices.
4. Choose from various lighting modes, colors, and effects to match your system's aesthetic.

If your motherboard does not have a 5V 3-pin ARGB header, you may need a separate ARGB controller (not included) to manage the lighting effects.

4. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your NIZUUONE ARGB Chassis Fan.

Cleaning:

- **Frequency:** It is recommended to clean your fan every 3-6 months, or more frequently if your environment is dusty.
- **Procedure:**
 - a. Power off your computer and unplug it from the power source.
 - b. Carefully open your PC case.
 - c. Use a can of compressed air to blow dust off the fan blades and frame. Hold the fan blades to prevent them from spinning rapidly during cleaning, which can damage the bearing.
 - d. For stubborn dust, gently wipe the blades with a soft, dry, lint-free cloth. Do not use liquid cleaners.

General Care:

- Avoid touching the fan blades while the fan is operating.
- Ensure cables are neatly managed and do not interfere with fan rotation.
- Do not attempt to disassemble the fan, as this will void the warranty and may cause damage.

5. TROUBLESHOOTING

If you encounter issues with your NIZUUONE ARGB Chassis Fan, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Fan is not spinning.	<ul style="list-style-type: none"> Power cable not connected. Incorrect fan header used. Fan speed set to 0% in BIOS/software. Faulty fan. 	<ul style="list-style-type: none"> Ensure the 4-pin power cable is securely connected to a motherboard fan header. Verify the fan header is enabled and configured correctly in BIOS. Check fan speed settings in BIOS or fan control software. Test the fan on a different fan header or system if possible.
ARGB lighting is not working.	<ul style="list-style-type: none"> ARGB cable not connected. Connected to a 12V RGB header. Motherboard ARGB header not enabled. RGB software not installed or configured. Faulty LEDs. 	<ul style="list-style-type: none"> Ensure the 3-pin ARGB cable is securely connected to a 5V 3-pin ARGB header. DO NOT connect to a 12V 4-pin RGB header. Check motherboard BIOS for ARGB header settings. Install and configure your motherboard's RGB control software. If all else fails, the LEDs may be faulty.
Fan is making unusual noise.	<ul style="list-style-type: none"> Dust accumulation. Loose mounting screws. Cable interference. Faulty bearing. 	<ul style="list-style-type: none"> Clean the fan blades thoroughly. Ensure mounting screws are tightened appropriately. Check for any cables or objects obstructing the fan blades. If noise persists, the fan bearing may be damaged.

If the problem persists after trying these solutions, please contact NIZUUONE customer support for further assistance.

6. SPECIFICATIONS

Detailed technical specifications for the NIZUUONE ARGB Chassis Fan:

Feature	Specification
Model Number	NIZUUONE5btqcy0fzr-11
Dimensions	Approx. 140x140x25mm / 5.51x5.51x0.98in
Speed	650-1850 RPM \pm 10%

Feature	Specification
Airflow	47.2 CFM \pm 10%
Air Pressure	1.60 mmH ₂ O \pm 10%
Noise Level	6-30 dBA
MTTF (Mean Time To Failure)	160,000 Hours
Lighting Interface	3-Pin (5V ARGB)
Power Interface	4-Pin (PWM)
Safe Current	0.25A
Material	ABS
Item Weight	8.47 ounces



7. WARRANTY AND SUPPORT

Warranty Information:

NIZUZONE products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official NIZUZONE website. Typically, products are covered against manufacturing defects for a specified period from the date of purchase.

Customer Support:

If you have any questions, require technical assistance, or need to report an issue with your NIZUZONE ARGB Chassis Fan, please contact NIZUZONE customer support. You can usually find contact information (email, phone, or support portal) on the official NIZUZONE website or on the product packaging.

For the latest information and support resources, please visit the [NIZUZONE Store on Amazon](#).