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› JONSBO ZA-240BR (Reverse) PC Case Fan Instruction Manual

Jonsbo ZA-240BR

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Model: ZA-240BR

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1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your JONSBO ZA-240BR (Reverse) PC Case Fan. This unit features two 120mm ARGB fans integrated into a single frame, designed for efficient cooling and aesthetic enhancement of your PC build. The reverse blade design ensures optimal airflow direction for specific case configurations, while the infinity mirror effect provides dynamic lighting.

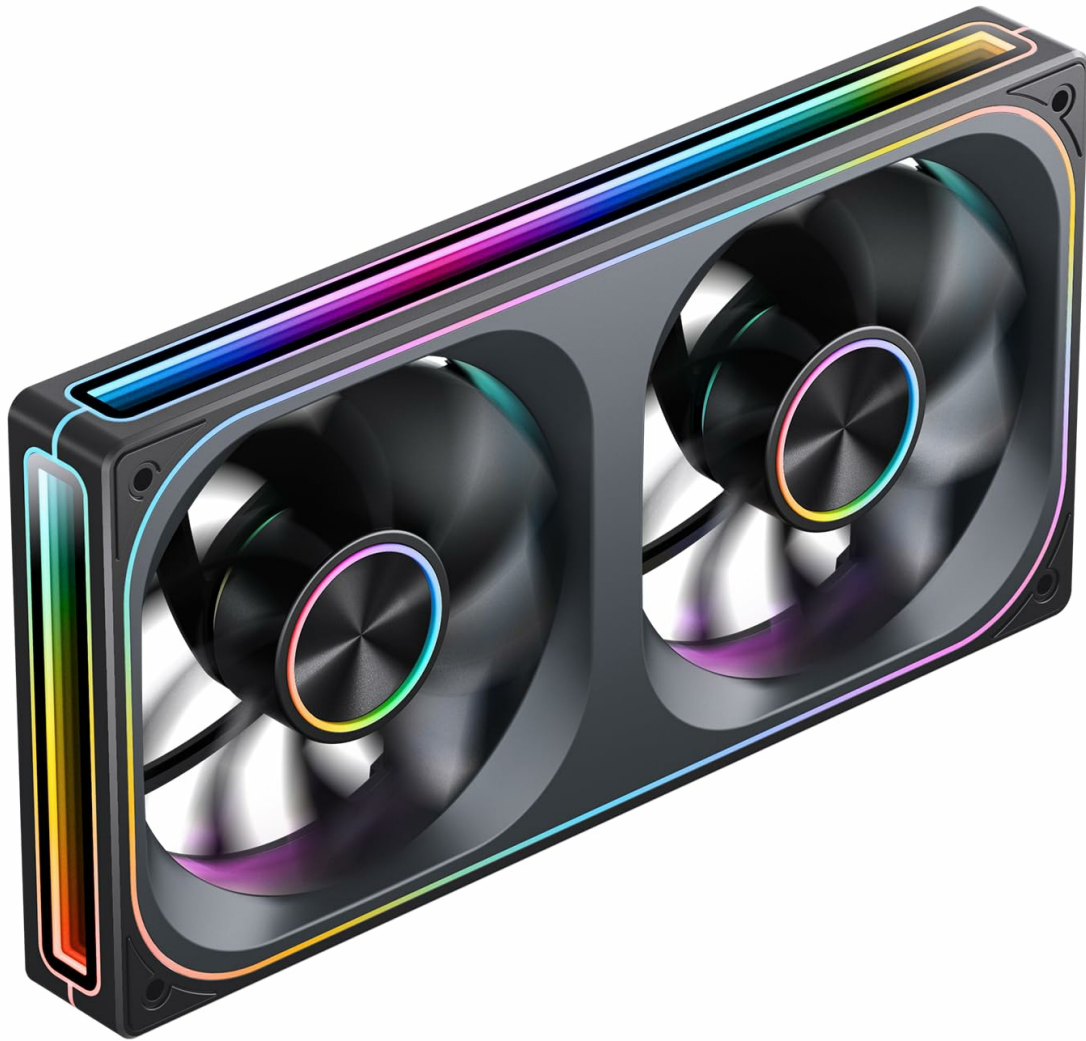


Image 1.1: JONSBO ZA-240BR (Reverse) PC Case Fan unit.

2. SAFETY INFORMATION

- Ensure your computer 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 force connectors. Align pins correctly before plugging in cables.
- Keep the product away from liquids and excessive moisture.
- Do not attempt to disassemble the fan unit beyond what is instructed in this manual.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- JONSBO ZA-240BR (Reverse) PC Case Fan Unit
- Mounting Screws

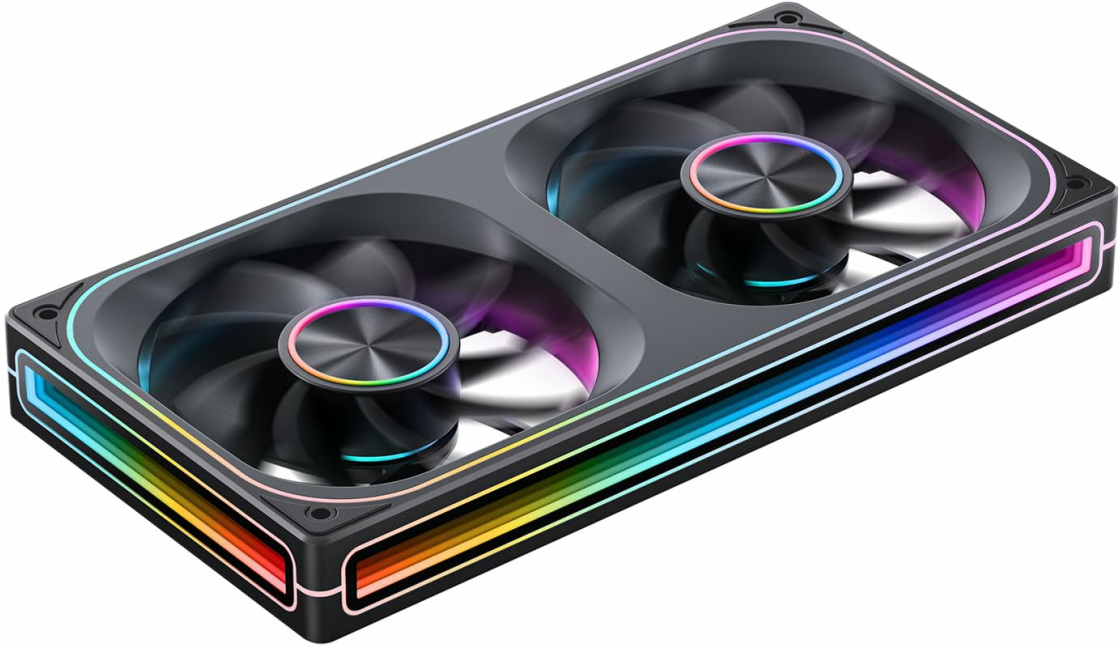


Image 3.1: The JONSBO ZA-240BR fan unit, showing its integrated design and cables.

4. SPECIFICATIONS

Feature	Detail
Model No.	ZA-240BR (Reverse)
Product Dimensions	9.53"L x 4.84"W x 1.1"H (242mm L x 123mm W x 28mm H)
Fan Size	2 x 120mm
Power Connector Type	4-Pin (PWM), 3-Pin (ARGB 5V)
Voltage	DC 12 Volts (Fan), LED 5V (ARGB)
Wattage	5.16 watts (Fan), LED 5.80W (ARGB)
Noise Level	21.3-37.3 dB(A) (Regular), 17.3-31.6 dB(A) (Reverse)
Maximum Rotational Speed	700-1800 RPM ($\pm 10\%$)
Material	Aluminum
Compatible Devices	PC Case
Lighting	Addressable RGB (ARGB) with Infinity Mirror Effect

5. SETUP

5.1 Installation

- 1. Prepare your PC:** Power off your computer and unplug it from the power outlet. Open your PC case to access the fan mounting locations.
- 2. Mount the fan unit:** Position the ZA-240BR fan unit in your desired location (e.g., top, front, bottom of the case). Secure it using the provided mounting screws. Ensure the reverse blades are oriented to pull air in or push air out as intended for your case's airflow strategy.
- 3. Connect the cables:** The fan unit features simplified cabling for both PWM (4-pin) and ARGB (3-pin, 5V) connections. Connect the 4-pin PWM cable to an available fan header on your motherboard. Connect the 3-pin ARGB cable to a compatible 5V ARGB header on your motherboard.



Image 5.1: Rear view of the fan unit showing the integrated cables for simplified connection.

5.2 Wiring Diagram

The ZA-240BR unit uses a single cable for both fan power/control and ARGB lighting, simplifying cable management. Connect the 4-pin connector to a PWM fan header and the 3-pin 5V ARGB connector to a compatible ARGB header on your motherboard. If your motherboard lacks a 5V ARGB header, an external ARGB controller (not included) will be required for lighting control.



Image 5.2: The fan unit with its integrated cables ready for connection to the motherboard.

5.3 Visual Guide

For a visual demonstration of the JONSBO ZA/ZB fan series, including installation and lighting effects, please refer to the official product video below.

Your browser does not support the video tag.

Video 5.3: Official JONSBO ZA/ZB fan series overview, demonstrating features and potential installation scenarios.

6. OPERATING INSTRUCTIONS

6.1 Fan Speed Control (PWM)

The 4-pin PWM connector allows your motherboard to dynamically control the fan speed based on system temperature. This ensures optimal cooling performance while minimizing noise. You can configure fan curves through your motherboard's BIOS/UEFI settings or dedicated software provided by your motherboard manufacturer.

6.2 ARGB Lighting Control

The 3-pin 5V ARGB connector enables synchronization of the fan's lighting effects with your motherboard's ARGB ecosystem. Use your motherboard's RGB software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, GIGABYTE RGB Fusion, ASRock Polychrome Sync) to customize colors, patterns, and brightness of the

infinity mirror lighting. Ensure your motherboard's ARGB header supports the number of LEDs in the fan unit (52 lamp beads around the circumference and 18 in the axis).

Front Aluminum CD Pattern Nameplate

Outline the contours with simple lines, light effect, and the elegant combination of metal and light



Image 6.1: The JONSBO ZA-240BR fan showcasing its vibrant ARGB lighting and infinity mirror effect.

7. MAINTENANCE

7.1 Cleaning

Regular cleaning helps maintain optimal performance and extends the lifespan of your fan. Periodically, with the PC powered off and unplugged:

- Use compressed air to remove dust from the fan blades and frame.
- Gently wipe the fan frame and infinity mirror surfaces with a soft, dry, lint-free cloth.
- Avoid using liquid cleaners or abrasive materials, as these can damage the fan or its lighting components.

8. TROUBLESHOOTING

8.1 Fan Not Spinning

- Check if the 4-pin PWM cable is securely connected to the motherboard fan header.
- Verify that the fan header is enabled in your motherboard's BIOS/UEFI settings.
- Test the fan on a different fan header or with a known working fan to rule out a faulty header.

8.2 ARGB Lighting Not Working or Incorrect

- Ensure the 3-pin 5V ARGB cable is correctly connected to a compatible 5V ARGB header on your motherboard. **Do not connect to a 12V RGB header, as this will damage the LEDs.**
- Check your motherboard's RGB software to ensure the lighting is enabled and configured correctly.
- Confirm that your motherboard's ARGB header or external controller supports the number of LEDs in the fan unit (52 circumference, 18 axis). Some lower-end controllers may not support this count, leading to partial or no illumination.
- If using an external ARGB controller, ensure it is properly powered and configured.

8.3 Excessive Noise

- Check for any obstructions (e.g., cables) hitting the fan blades.
- Ensure the fan unit is securely mounted and not vibrating against the PC case.
- Adjust the fan speed curve in your motherboard's BIOS/UEFI or software to reduce RPM at lower

temperatures.

9. WARRANTY AND SUPPORT

JONSBO products are manufactured to high-quality standards. For warranty information, please refer to the warranty card included with your product or visit the official JONSBO website. For technical support or further assistance, please contact JONSBO customer service through their official channels.