

## Jonsbo ZA-240B

# JONSBO ZA-240B PC Case Fan Instruction Manual

Model: ZA-240B

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your JONSBO ZA-240B PC Case Fan. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product. The JONSBO ZA-240B is an all-in-one unit featuring two 120mm ARGB fans, designed for efficient cooling and customizable lighting within a PC chassis.

## 2. SAFETY INFORMATION

- Ensure your computer system is powered off and unplugged from the wall outlet before installation or maintenance.
- Avoid touching the fan blades while the fan is operating.
- Handle the fan unit carefully to prevent damage to components or wiring.
- Do not expose the product to moisture or extreme temperatures.
- Use only compatible power and ARGB connectors as specified. Incorrect connections may cause damage.
- Keep out of reach of children.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

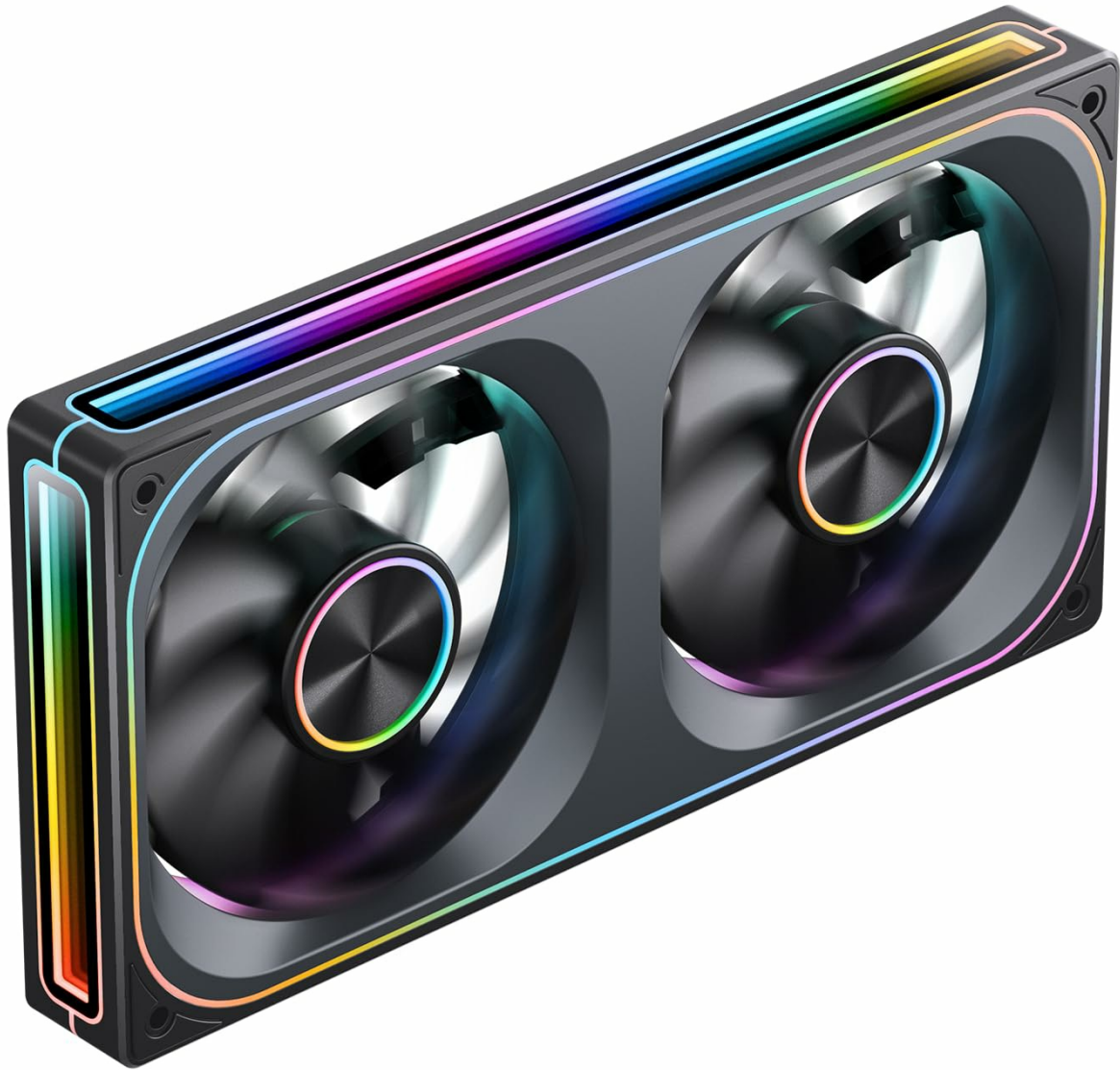
- JONSBO ZA-240B PC Case Fan Unit (with 2x120mm ARGB Fans)
- Mounting Screws
- Documentation (this manual)



*Image: JONSBO ZA-240B fan unit with its integrated cables for power and ARGB connection.*

## 4. PRODUCT FEATURES

- **All-in-One Design:** Single frame unit integrating two 120mm ARGB fans, simplifying installation and cable management.
- **ARGB Infinity Mirror:** Features 4-sides thousand-layer mirror illusion with 52 lamp beads around the circumference and 18 in the axis for dynamic lighting effects.
- **Addressable RGB Sync:** Direct 3-pin ARGB connection to compatible motherboards for synchronized lighting control and over 16 million color effects.
- **PWM Control:** Quiet and low-noise PWM fan operation with an integrated male/female head for speed regulation.
- **Aluminum Nameplate:** Includes an aluminum CD pattern nameplate for enhanced aesthetics.
- **Simplified Cabling:** One-line connection to the motherboard for both fan power and ARGB lighting.

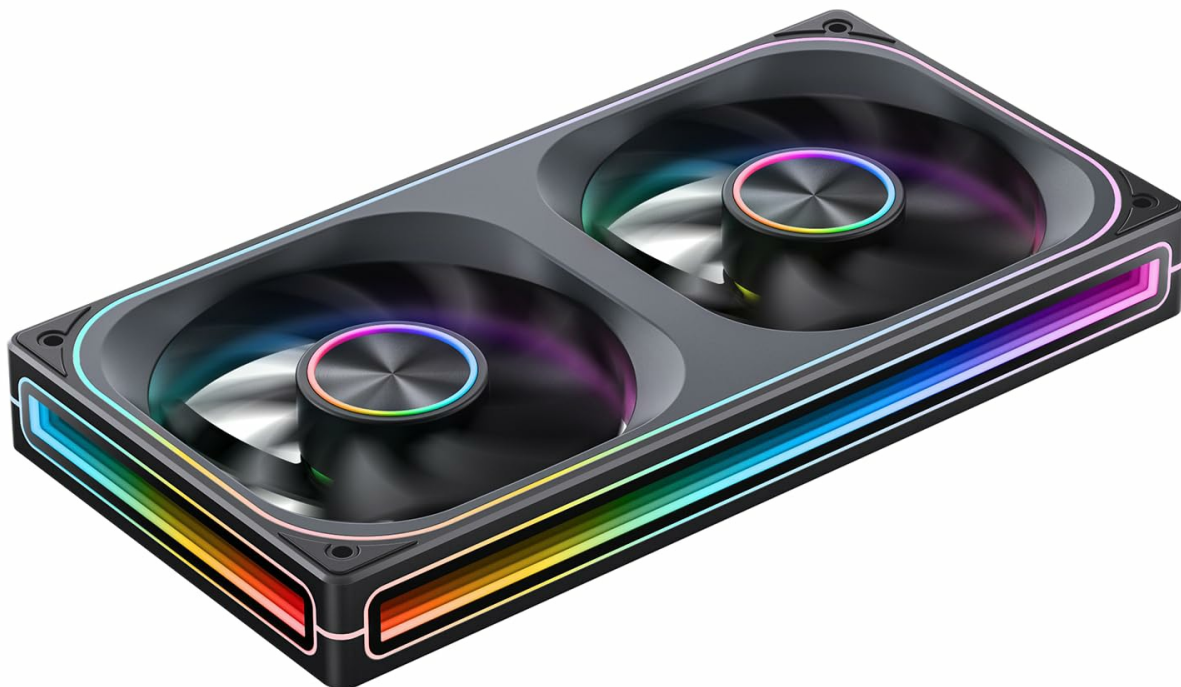


*Image: Front view of the JONSBO ZA-240B PC Case Fan showcasing its ARGB lighting and infinity mirror effect.*

## 5. SETUP AND INSTALLATION

Follow these steps to install the JONSBO ZA-240B PC Case Fan into your computer chassis:

1. **Prepare Your System:** Power off your computer and unplug it from the power outlet. Open your PC case to access the interior.
2. **Identify Mounting Location:** Determine the desired mounting location for the fan unit (e.g., top, front, bottom, or side of the case). Ensure there is sufficient clearance.
3. **Secure the Fan Unit:** Align the fan unit with the screw holes in your PC case. Use the provided mounting screws to firmly attach the fan unit to the chassis. Do not overtighten.



*Image: JONSBO ZA-240B fan unit installed at the top of a PC case, demonstrating typical mounting.*

4. **Connect PWM Cable:** Locate an available 4-pin PWM fan header on your motherboard. Connect the 4-pin PWM connector from the fan unit to this header. This allows the motherboard to control fan speed.
5. **Connect ARGB Cable:** Locate an available 3-pin 5V Addressable RGB header on your motherboard. Connect the 3-pin ARGB connector from the fan unit to this header. Ensure the arrow on the connector aligns with the +5V pin on the motherboard header to prevent damage. **Do not connect to a 12V RGB header.**
6. **Cable Management:** Route the cables neatly to avoid interference with other components and to improve airflow.
7. **Close Case and Power On:** Once all connections are secure, close your PC case, plug in the power cable, and power on your system.

## 6. OPERATION

### Fan Speed Control (PWM)

The JONSBO ZA-240B fan unit utilizes Pulse Width Modulation (PWM) technology, allowing your motherboard to dynamically adjust fan speeds based on system temperature. This ensures optimal cooling performance while minimizing noise levels. You can configure fan curves through your motherboard's BIOS/UEFI settings or using compatible software provided by your motherboard manufacturer.



## ARGB Lighting Control

The Addressable RGB (ARGB) lighting of the ZA-240B can be controlled via your motherboard's ARGB software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, GIGABYTE RGB Fusion, ASRock Polychrome Sync). Ensure your motherboard supports 3-pin 5V ARGB headers. This software allows you to customize lighting effects, colors, and synchronization with other ARGB components in your system.



*Image: The JONSBO ZA-240B fan unit displaying its customizable ARGB lighting within a computer system.*

## 7. MAINTENANCE

Regular maintenance helps ensure optimal performance and extends the lifespan of your fan unit.

- **Dust Removal:** Periodically clean dust from the fan blades and frame using compressed air or a soft brush. Ensure the system is powered off and unplugged before cleaning.
- **Inspection:** Occasionally inspect the fan and its cables for any signs of wear, damage, or loose connections.

## 8. TROUBLESHOOTING

Issue	Possible Cause	Solution
Fan not spinning	Loose or incorrect PWM cable connection. Insufficient power.	Check the 4-pin PWM cable connection to the motherboard. Ensure the motherboard is supplying power to the fan header.
ARGB lighting not working	Loose or incorrect ARGB cable connection. Connected to 12V RGB header. Motherboard ARGB software not configured.	Verify the 3-pin ARGB cable is securely connected to a 5V ARGB header. Ensure it is not connected to a 12V RGB header. Check motherboard ARGB software settings.
Fan is too loud	Fan speed set too high. Obstruction.	Adjust fan speed settings in your motherboard's BIOS/UEFI or software. Ensure no cables or objects are obstructing the fan blades.
Poor cooling performance	Insufficient airflow. Dust buildup. Incorrect fan orientation.	Ensure proper airflow within the case. Clean dust from fans. Verify fan is oriented to push or pull air in the desired direction.


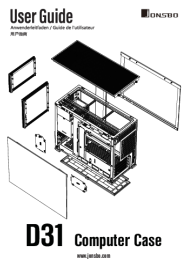
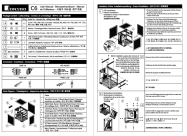

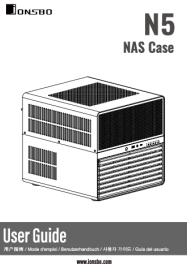
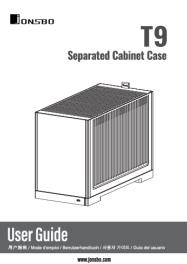
## 9. SPECIFICATIONS

Feature	Detail
Model Number	ZA-240B
Fan Size	2 x 120mm (integrated unit)
Fan Thickness	28mm
Rotational Speed	700-2400 RPM (±10%)
Noise Level	21.3-37.3 dB(A)
Power Connector	4-Pin PWM
ARGB Connector	3-Pin 5V ARGB
Voltage	DC 12 Volts (Fan), 5 Volts (LED)
Wattage	5.16 watts (Fan), 5.80 watts (LED)
Compatible Devices	PC Case
Dimensions (Parcel)	29.97 x 15.75 x 4.19 cm
Weight (Parcel)	707.6 g

## 10. WARRANTY AND SUPPORT

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

Related Documents - ZA-240B

	<p><a href="#">Jonsbo Fan Safety Instructions and Warnings</a></p> <p>This document provides essential safety instructions and warnings for the Jonsbo Fan, covering mechanical safety, electrical safety, ventilation, and maintenance. It is intended for safe handling and proper use of the product.</p>
	<p><a href="#">Jonsbo D31 Computer Case Installation Guide and Specifications</a></p> <p>Comprehensive guide for the Jonsbo D31 computer case, covering parts list, chassis specifications, PSU and graphics card installation, cooling options, and compatibility. Features detailed steps for building your PC.</p>
	<p><a href="#">JONSBO C6 PC Case: User Manual and Installation Guide</a></p> <p>Comprehensive user manual and installation guide for the JONSBO C6 PC case. This document details package contents, component identification, and step-by-step assembly instructions for building your PC.</p>
	<p><a href="#">JONSBO NV10 PC Case Installation Guide</a></p> <p>Comprehensive installation guide for the JONSBO NV10 PC case, detailing package contents, parts, connectors, and step-by-step assembly instructions for building your computer.</p>
	<p><a href="#">JONSBO N5 NAS Case User Guide</a></p> <p>Comprehensive user guide for the JONSBO N5 NAS Case, detailing product specifications, parts list, and step-by-step installation instructions for components like power supply, motherboard, storage drives, and cooling.</p>
	<p><a href="#">JONSBO T9 Separated Cabinet Case User Guide</a></p> <p>Comprehensive user guide for the JONSBO T9 Separated Cabinet Case, detailing product specifications, parts list, and step-by-step installation instructions for PC builders.</p>