Jonsbo ZB-120W

Jonsbo ZB-120W PC Case Fan User Manual

Model: ZB-120W

1. INTRODUCTION

Thank you for choosing the Jonsbo ZB-120W PC Case Fan. This fan is designed to provide efficient cooling for your computer system while offering customizable ARGB lighting effects through its unique infinity mirror design. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your product.

Image 1.1: The Jonsbo ZB-120W PC Case Fan, showcasing its vibrant ARGB lighting and infinity mirror effect.

2. SAFETY INFORMATION

- Always disconnect power from your computer before installing or handling any internal components.

- Handle the fan by its frame to avoid damaging the blades or wiring.

- Ensure proper grounding to prevent electrostatic discharge (ESD) damage to components.

- Do not attempt to modify the fan or its cables. Unauthorized modifications may void the warranty and pose safety risks.

- Keep the fan away from liquids and excessive moisture.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Jonsbo ZB-120W PC Case Fan (1 unit)

- Mounting Screws (4 units)

- User Manual (this document)

4. INSTALLATION

4.1 Physical Mounting

1. Identify the desired mounting location within your PC case (e.g., front, top, rear, bottom).

2. Position the fan in the chosen location, ensuring the airflow direction is correct for your cooling setup (typically intake from front/bottom, exhaust from rear/top).

3. Align the fan's screw holes with the corresponding holes on your PC case or radiator.

4. Secure the fan using the provided mounting screws. Do not overtighten.

Image 4.1: Example of Jonsbo ZB series fans installed within a computer case.

4.2 Electrical Connections

The Jonsbo ZB-120W fan features an integrated cable design for simplified wiring, connecting to your motherboard via a single line for both power and ARGB control.
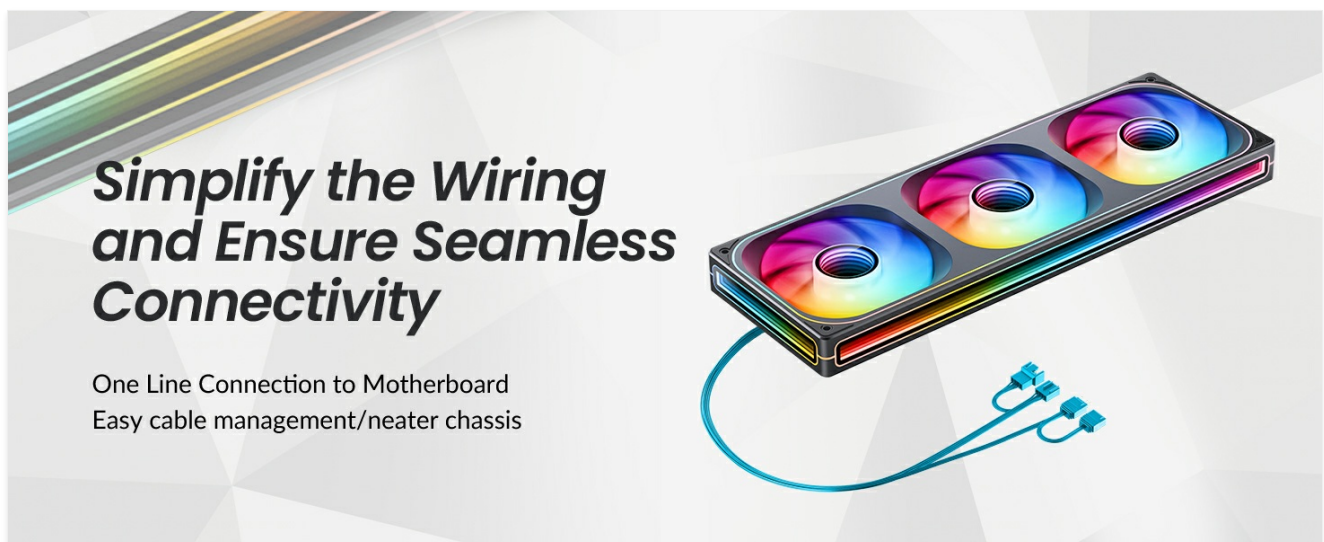

Simplify the Wiring and Ensure Seamless Connectivity

One Line Connection to Motherboard
Easy cable management/neater chassis

Image 4.2: The integrated cable design simplifies connection to the motherboard.

1. Locate the 4-pin PWM fan header on your motherboard. This header controls fan speed.

2. Connect the fan's 4-pin PWM connector to the motherboard's 4-pin fan header.

3. Locate the 3-pin 5V ARGB header (often labeled 'ADD_HEADER', 'JRAINBOW', 'VDG', or '5V-D-G') on your motherboard. **Do not connect to a 12V RGB header, as this will damage the LEDs.**

4. Connect the fan's 3-pin ARGB connector to the motherboard's 3-pin 5V ARGB header. The fan also features male and female ARGB connectors for daisy-chaining multiple ARGB devices.

5. Ensure all connections are secure.

Image 4.3: Close-up of the fan's integrated 4-pin PWM and 3-pin ARGB connectors.

5. OPERATION

5.1 Fan Speed Control (PWM)

The Jonsbo ZB-120W fan utilizes Pulse Width Modulation (PWM) technology, allowing your motherboard to dynamically control the fan speed based on system temperature. This ensures optimal cooling performance and reduced noise levels when full speed is not required.

- Access your motherboard's BIOS/UEFI settings or use motherboard-specific software (e.g., ASUS AI Suite, Gigabyte SIV, MSI Dragon Center) to configure fan curves.
- Adjust the fan speed profile to balance cooling performance and acoustic levels according to your preferences.

5.2 ARGB Lighting Control

The fan's Addressable RGB (ARGB) lighting can be synchronized and controlled through compatible motherboard software. This allows for a wide range of customizable lighting effects, including the unique infinity mirror illusion.

Image 5.1: The infinity mirror effect on the Jonsbo ZB-120W fan.

- Install the ARGB control software provided by your motherboard manufacturer (e.g., ASUS Aura Sync, MSI Mystic Light Sync, Gigabyte RGB Fusion, ASRock Polychrome Sync).
- Ensure the software detects the connected ARGB devices.
- Use the software to select desired lighting modes, colors, and effects.

Image 5.2: The Jonsbo ZB-120W fan supports various motherboard ARGB synchronization software.

Video 5.1: An overview of the Jonsbo ZA/ZB series fans, demonstrating their ARGB lighting effects and design.

6. MAINTENANCE

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

- **Cleaning:** Periodically clean dust from the fan blades and frame using compressed air or a soft, dry cloth. Ensure the computer is powered off and unplugged before cleaning.
- **Inspection:** Check cables for any signs of wear or damage. Ensure all connections remain secure.

7. TROUBLESHOOTING

If you encounter issues with your Jonsbo ZB-120W fan, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Fan not spinning	Loose or incorrect PWM connection; insufficient power.	Ensure the 4-pin PWM connector is securely attached to the motherboard. Check BIOS/UEFI settings for fan control.
ARGB lighting not working or incorrect colors	Loose or incorrect ARGB connection; incompatible ARGB header (12V instead of 5V); software issue.	Verify the 3-pin ARGB connector is securely attached to a 5V ARGB header. Ensure motherboard ARGB software is installed and updated. Restart the system.
Excessive noise	Dust accumulation; fan operating at high RPM; loose mounting.	Clean the fan blades. Adjust fan speed curves in BIOS/UEFI or software. Ensure mounting screws are tightened appropriately.

8. SPECIFICATIONS

Detailed technical specifications for the Jonsbo ZB-120W PC Case Fan:

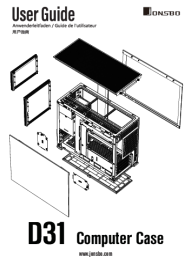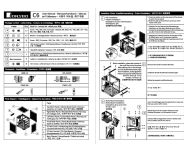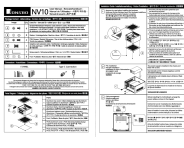| Feature	Specification
Brand	Jonsbo
Model	ZB-120W
Power Connector Type	4-Pin PWM (Fan), 3-Pin 5V ARGB (Lighting)
Voltage	DC 12 Volts (Fan), 5 Volts (LED)
Wattage	1 Watt
Cooling Method	Forced Air
Compatible Devices	Desktop Computers
Material	Plastic
Maximum Rotational Speed	2400 RPM
Dimensions	7.01 x 5.75 x 1.26 inches (Package)
Item Weight	7 ounces

Image 8.1: Performance specifications for Jonsbo ZB series fans, including noise, rotational speed, and airflow.
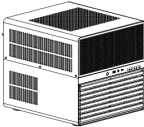
9. WARRANTY AND SUPPORT

Jonsbo products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please contact your retailer or visit the official Jonsbo website. Please retain your proof of purchase for warranty claims.
Jonsbo Official Website: www.jonsbo.com

Related Documents - ZB-120W

	Jonsbo D31 Computer Case Installation Guide and Specifications 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.
	JONSBO C6 PC Case: User Manual and Installation Guide 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.
	JONSBO NV10 PC Case Installation Guide Comprehensive installation guide for the JONSBO NV10 PC case, detailing package contents, parts, connectors, and step-by-step assembly instructions for building your computer.
	Jonsbo Fan Safety Instructions and Warnings 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.

N5 NAS Case User Guide	[JONSBO N5 NAS Case User Guide](#) 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.
T9 Separated Cabinet Case User Guide	[JONSBO T9 Separated Cabinet Case User Guide](#) Comprehensive user guide for the JONSBO T9 Separated Cabinet Case, detailing product specifications, parts list, and step-by-step installation instructions for PC builders.