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› **DS leddess** /

› DS leddess 120MM RGB Computer Case Cooling Fan (Model DS-A032) Instruction Manual

DS leddess DS-A032

DS leddess 120MM RGB Computer Case Cooling Fan Instruction Manual

Model: DS-A032

1. PRODUCT OVERVIEW

The DS leddess 120MM RGB Computer Case Cooling Fan is designed to provide efficient cooling and customizable RGB lighting for your PC system. This fan is compatible with various chassis types and integrates with motherboard RGB sync technologies like ASUS Aura Sync and MSI Mystic Light. It features a 120mm standard size, PWM control for dynamic speed adjustment, and noise-reducing design elements.



Image 1.1: DS leddess 120MM RGB Computer Case Cooling Fans with controller.

2. PACKAGE CONTENTS

Please verify that all components are present in your package:

- DS leddess 120MM RGB Cooling Fans (quantity as per purchase, e.g., 2-pack or 3-pack)
- RGB Controller (if included with your specific model)
- Mounting Screws

Package List:



Image 2.1: Typical package contents for DS ledless 120MM RGB fans.

3. INSTALLATION GUIDE

Follow these steps to install your DS ledless cooling fans:

1. **Prepare your PC Case:** Identify the desired mounting locations for the fans within your computer case. Ensure adequate space and proper airflow direction.
2. **Mount the Fans:** Position each fan in the chosen location. Use the provided mounting screws to secure the fan to the case. The 8 silicone shock pads on the fan corners help reduce vibration and noise.
3. **Connect Power:** Connect the fan's power cable to an available fan header on your motherboard or a fan controller. These fans typically use a 3-pin power connector.
4. **Connect RGB Lighting:**
 - **Motherboard Sync:** If your motherboard supports 5V 3-PIN Addressable RGB (ARGB) headers (e.g., ASUS Aura Sync, MSI Mystic Light), connect the fan's ARGB cable directly to the motherboard header. Ensure correct pin alignment (5V-D-G).
 - **External Controller:** If your motherboard does not have a compatible ARGB header, or if you prefer external control, connect the fan's ARGB cable to the included RGB controller. Connect the

controller to a SATA power connector from your power supply.

5. **Cable Management:** Route all cables neatly to avoid interference with other components and to maintain good airflow within the case.



Image 3.1: Fan connection options for motherboard sync or mini controller.

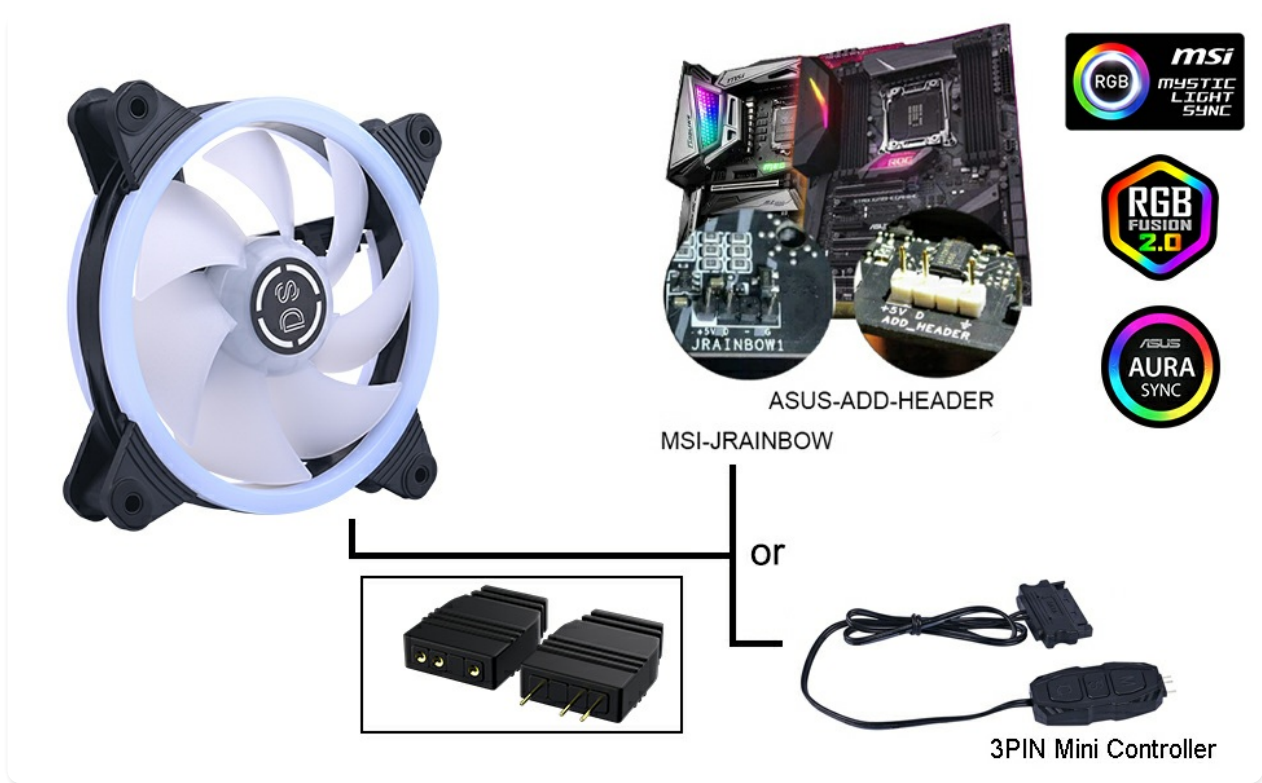


Image 3.2: Connection diagram for motherboard ARGB headers or external controller.

4. OPERATION

4.1. Fan Speed Control (PWM)

The fans support Pulse Width Modulation (PWM) control, allowing for dynamic speed adjustment between 700 RPM and 1800 RPM. This feature enables your system to minimize noise during low loads and maximize airflow when cooling demands are high. Fan speed is typically controlled via your motherboard's BIOS/UEFI settings or dedicated fan control software.

4.2. RGB Lighting Control

The fans feature customizable RGB colors with 15 addressable LEDs per fan, offering 16 million color options. Control methods depend on your setup:

- **Motherboard Software:** If connected to a compatible 5V 3-PIN ARGB header, use your motherboard's RGB software (e.g., ASUS Aura Sync, MSI Mystic Light, Gigabyte RGB Fusion, ASRock Polychrome RGB) to customize lighting effects and colors.
- **External Controller:** If using the included mini RGB controller, use its buttons to cycle through various lighting modes, colors, and effects.



16 MILLION COLORS

Cool light effects decorate your case and bring you the ultimate gaming experience.

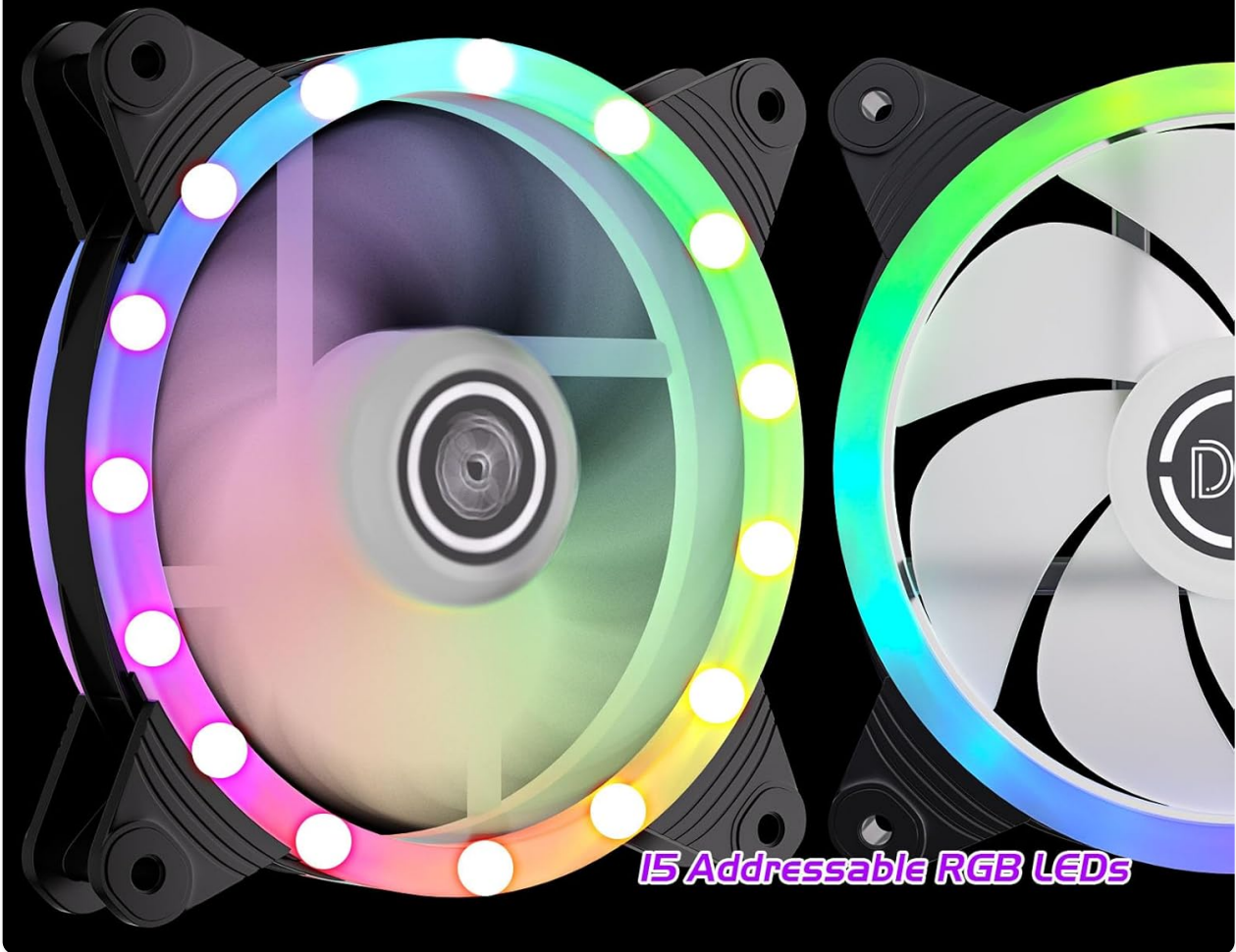


Image 4.1: Fan illustrating 15 addressable RGB LEDs for 16 million colors.

HIGH-QUALITY SILENT FAN

*The maximum noise of the fan is only 18dBA.
Minimize fan noise or maximize airflow.*



Image 4.2: Fan designed for high airflow and silent operation.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your cooling fans:

- **Dust Removal:** Periodically clean dust from the fan blades and housing using compressed air or a soft brush. Accumulation of dust can reduce cooling efficiency and increase noise.
- **Inspection:** Check fan cables for any signs of wear or damage. Ensure all connections remain secure.
- **Bearing Noise:** If the fan starts to produce unusual noises, it may indicate a bearing issue. Consider replacement if noise persists after cleaning.

6. TROUBLESHOOTING

If you encounter issues with your DS ledless cooling fans, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Fan not spinning	Loose power connection, faulty fan header, insufficient power.	Check power cable connection. Try a different fan header or power source. Ensure power supply is adequate.
RGB lights not working	Loose ARGB connection, incorrect ARGB header (e.g., 12V instead of 5V), software issue, faulty controller.	Verify ARGB cable connection to the correct 5V 3-PIN header. Ensure motherboard software is updated and configured correctly. If using a controller, check its power and functionality.
Excessive noise	Dust accumulation, loose mounting screws, fan bearing issue, high RPM.	Clean fan blades. Tighten mounting screws. Adjust fan speed settings in BIOS/software. If noise persists, the fan may be faulty.
Poor cooling performance	Incorrect fan orientation, dust accumulation, insufficient airflow in case.	Ensure fans are oriented to push air in the desired direction (intake/exhaust). Clean fans and case filters. Improve overall case airflow.

7. SPECIFICATIONS

Key technical specifications for the DS leddess 120MM RGB Computer Case Cooling Fan (Model DS-A032):

- **Model Number:** DS-A032
- **Fan Dimensions:** 120mm x 120mm x 25mm (4.72 x 4.72 x 0.98 inches)
- **Rotational Speed:** 700 - 1800 RPM (PWM controlled)
- **Noise Level:** Up to 30 dB
- **Power Connector:** 3-Pin
- **Voltage:** 12 Volts
- **Wattage:** 3.79 watts
- **Cooling Method:** Air
- **Compatible Devices:** Desktop, Gaming Console
- **Material:** Plastic
- **RGB Type:** Addressable RGB (5V 3-PIN)
- **Features:** 8 silicone shock pads, high airflow design

8. WARRANTY AND SUPPORT

DS leddess offers a risk-free purchase experience. If you have any questions or encounter issues with your product, please contact DS leddess customer support immediately. They aim to reply within 24 hours to assist with any concerns.

For support, please refer to the contact information provided with your purchase or visit the official DS leddess store page on Amazon.



NOT JUST A CASE, BE YOURSELF AND MAKE IT COUNT

Image 8.1: DS ledless brand logo.