ALSEYE W12 Pro Case Fan

ALSEYE W12 Pro Case Fan User Manual

Model: W12 Pro | Brand: ALSEYE

Introduction

The ALSEYE W12 Pro Case Fan is a high-performance cooling solution designed for computer systems. Featuring a unique "W" shaped full aluminum frame, ARGB lighting, and PWM control, it offers both aesthetic appeal and efficient thermal management. This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your W12 Pro case fan.



Image: The ALSEYE W12 Pro Case Fan showcasing its unique "W" design and vibrant ARGB lighting.

Product Features

- **Extraordinary "W" Design:** The unique "W" design maximizes the length of the fan blades, enhancing airflow and creating a distinctive light effect.
- **Full Aluminum Frame:** Constructed with a full aluminum frame, the W12 Pro offers superior stability and a premium, fashionable appearance.
- **FDB Bearing:** Equipped with an FDB (Fluid Dynamic Bearing) for quieter operation and increased stability.
- **ARGB 5V 3-Pin Connector:** Supports Addressable RGB (ARGB) lighting, allowing for customizable lighting effects via motherboard software (e.g., Aura Sync RGB). The 5V 3-Pin connector enables synchronization with other ARGB devices.
- **PWM Functionality:** Features Pulse Width Modulation (PWM) for automatic fan speed adjustment from 700-1800 RPM, optimizing cooling efficiency and reducing noise based on system load.



Image: Close-up view highlighting the ARGB lighting capabilities and compatibility with various motherboard RGB sync technologies.

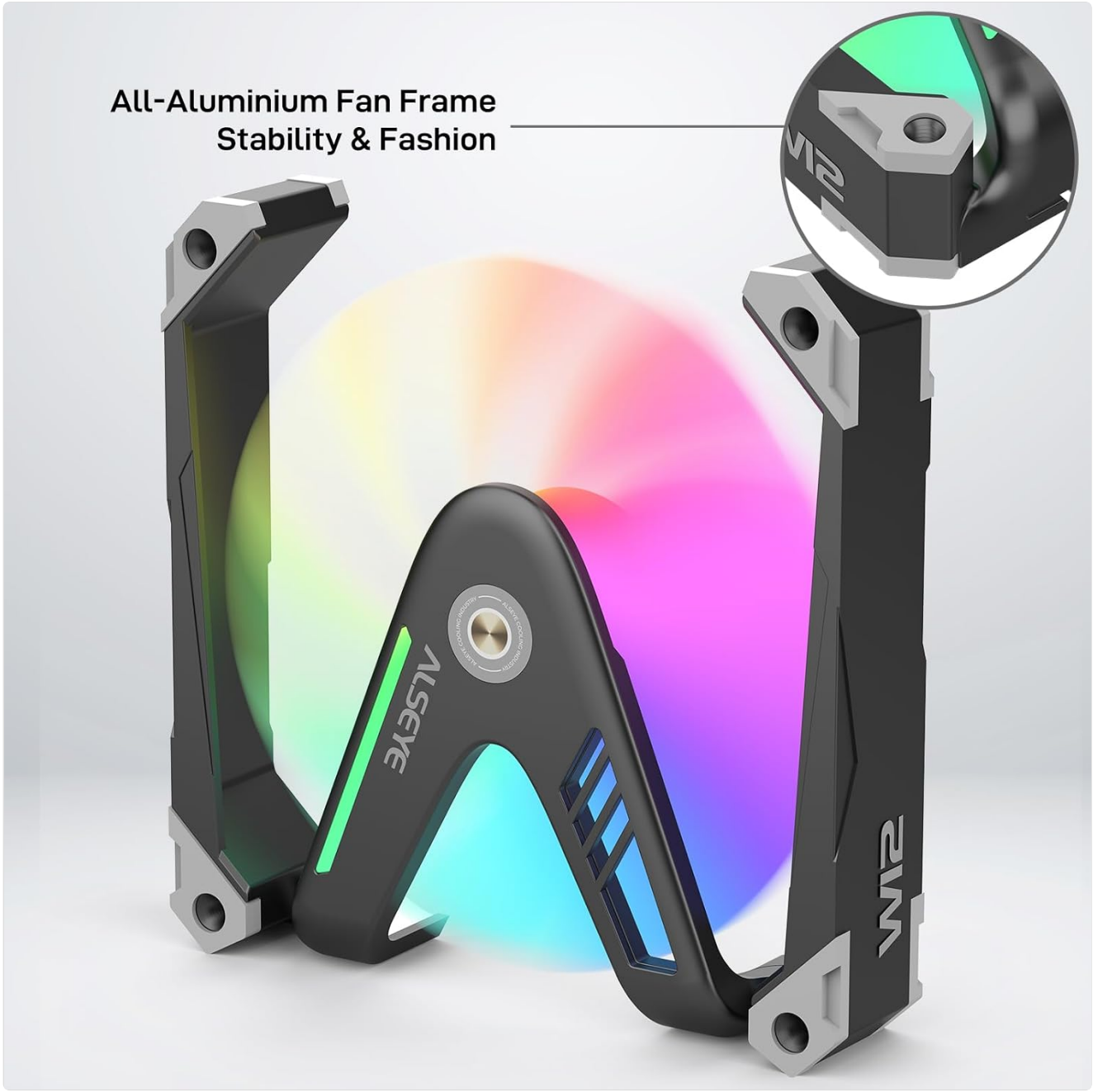


Image: Detail of the fan's full aluminum frame, emphasizing stability and design.



Image: Diagram illustrating the PWM function and key performance metrics like Air Flow, Static Pressure, Noise Level, and Fan Speed.

Package Contents

Please verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- 1 x ALSEYE W12 Pro Case Fan (Black)
- 4 x Standard Mounting Screws
- 1 x ARGB 5V 3-Pin Connector Cable
- 1 x PWM 4-Pin Connector Cable



Image: Contents of the ALSEYE W12 Pro Case Fan package, including the fan, screws, and cables.

Installation Guide

1. Mounting the Fan

1. Identify the desired mounting location within your PC case (e.g., front, top, rear, bottom). Ensure adequate clearance for the fan's dimensions (120x120x25mm).
2. Position the ALSEYE W12 Pro fan against the mounting holes. The unique "W" shape allows for flexible orientation to optimize airflow or aesthetics.
3. Secure the fan using the provided mounting screws. Insert the screws through the case's fan holes and into the fan's screw holes. Tighten them gently in a diagonal pattern to ensure even pressure and prevent damage. Do not overtighten.

2. Connecting the ARGB Lighting

1. Locate the ARGB 5V 3-Pin connector cable from the fan.
2. Connect this cable to an available 5V 3-Pin ARGB header on your motherboard or a dedicated ARGB

controller. Ensure the arrow on the connector aligns with the +5V pin on the header to prevent damage.

3. If connecting multiple ARGB devices, you may daisy-chain them if your motherboard/controller supports it, or use an ARGB hub.

3. Connecting the PWM Power

1. Locate the PWM 4-Pin connector cable from the fan.
2. Connect this cable to an available 4-Pin fan header on your motherboard (typically labeled "CPU_FAN", "SYS_FAN", or "CHA_FAN").
3. This connection enables the motherboard to control the fan speed automatically based on system temperature.



Image: Example of ALSEYE W12 Pro fans installed in a computer case, demonstrating various mounting orientations and their illuminated appearance.



Image: Three ALSEYE W12 Pro fans mounted at the bottom of a PC case, displaying synchronized purple ARGB lighting.

Operating Instructions

PWM Fan Speed Control

The ALSEYE W12 Pro fan utilizes PWM (Pulse Width Modulation) technology to automatically adjust its speed based on your system's temperature. Once connected to a 4-Pin fan header on your motherboard, the fan speed will dynamically range from 700 RPM (Revolutions Per Minute) to 1800 RPM. This ensures optimal cooling performance when needed and quieter operation during lighter loads. You can typically monitor and fine-tune fan curves through your motherboard's BIOS/UEFI settings or dedicated software provided by your motherboard manufacturer.

ARGB Lighting Control

The Addressable RGB (ARGB) lighting of the W12 Pro fan is controlled via your motherboard's ARGB software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, GIGABYTE RGB Fusion, ASRock Polychrome Sync). After connecting the 5V 3-Pin ARGB cable, launch the respective software to customize lighting effects, colors, and synchronization with other ARGB components in your system.

Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your ALSEYE W12 Pro case fan.

- **Dust Removal:** Periodically clean dust from the fan blades and frame using compressed air or a soft brush. Accumulation of dust can impede airflow and increase noise.
- **Check Connections:** Ensure all power and ARGB cables remain securely connected to the motherboard or controller.
- **Avoid Liquids:** Do not use liquid cleaners directly on the fan. If necessary, use a slightly damp cloth to wipe the frame, ensuring no moisture enters the motor or electrical components.

Troubleshooting

Problem	Possible Cause	Solution
Fan not spinning	◦ Loose or incorrect power connection. ◦ Insufficient power from motherboard header. ◦ Fan defect.	◦ Ensure the 4-Pin PWM cable is securely connected to a functional motherboard fan header. ◦ Try connecting the fan to a different fan header or a fan controller. ◦ If still not spinning, the fan may be defective.
ARGB lighting not working	◦ Loose or incorrect ARGB connection. ◦ Incorrect ARGB header (e.g., connected to 12V 4-Pin RGB instead of 5V 3-Pin ARGB). ◦ Motherboard ARGB software issue.	◦ Verify the 5V 3-Pin ARGB cable is correctly connected to a 5V 3-Pin ARGB header on the motherboard or controller, ensuring pin alignment. ◦ **Do NOT connect to a 12V 4-Pin RGB header, as this will damage the LEDs.** ◦ Ensure your motherboard's ARGB software is installed, up-to-date, and properly configured.
Fan is too noisy	◦ Dust accumulation. ◦ Fan speed set too high. ◦ Vibration.	◦ Clean the fan blades and frame to remove dust. ◦ Adjust fan speed curves in your motherboard's BIOS/UEFI or software to a lower RPM at idle or low loads. ◦ Ensure the fan is securely mounted and not vibrating against the case.

Specifications

Parameter	Value
Product Size	120 x 120 x 25 mm
Rated Voltage	DC 12V
Rated Current	0.25A ±10%

Parameter	Value
Fan Speed	700 ~ 1800 RPM ±10%
Air Flow	26.3 ~ 61.38 CFM ±10%
Static Pressure	0.25 ~ 1.65 mm/H2O ±10%
Noise Level	19.3 ~ 38.8 dB(A) ±10%
Bearing Type	Double Roller Bearing
Lifespan	40,000 hours
Power Connector Type	4-Pin PWM
ARGB Connector Type	5V 3-Pin ARGB
Material	Aluminum Frame

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Static Pressure	0.25~1.65mm/H2O±10%
Noise Level	19.3~38.8dB(A)±10%
Bearing Type	Double Roller
Lifespan	40000h
Fan Accessories	2510 4PIN Mother Tale+Auuu Mother Head

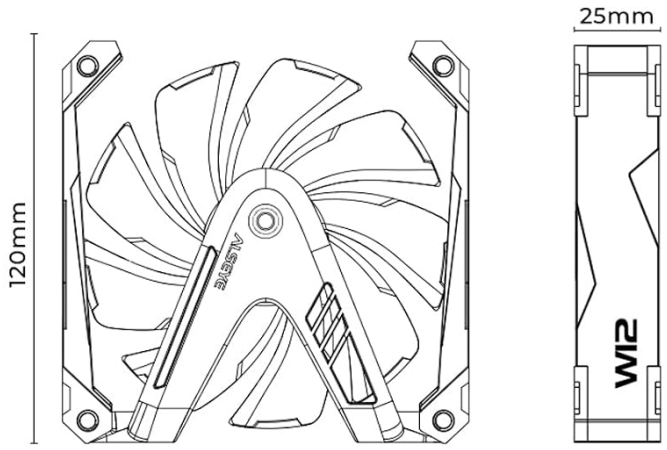


Image: Official product parameters table for the ALSEYE W12 Pro Case Fan.

Warranty and Support

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

ALSEYE Official Website: www.alseyecooler.com

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