ALSEYE M90-01

ALSEYE M90 CPU Cooler Instruction Manual

Model: M90-01

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1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your ALSEYE M90 CPU Cooler. The M90 is a dual-tower air-cooled CPU cooler designed for efficient heat dissipation with an integrated ARGB light effect cover. It is compatible with both Intel and AMD platforms.

2. Package Contents

Verify that all items are present in the package before proceeding with installation:

- M90 CPU cooler
- Mounting brackets for Intel LGA1700/1200/115X/1366/2011
- Mounting brackets for AMD FM1/FM2/AM2/AM2+/AM3/AM3+/AM4
- Thermal paste
- Installation screws and accessories
- User manual (this document)



Image: ALSEYE M90 CPU Cooler and its included accessories, such as mounting hardware for various CPU sockets and a tube of thermal paste.

3. Specifications

Feature	Detail
Brand	ALSEYE
Model Number	M90-01
Dimensions	112 x 92 x 135 mm
Heat Pipe	6mm x 4pcs
TDP	Up to 180W

Feature	Detail
Fan Speed	800 - 2500 RPM
Noise Level	30 Decibels (Max)
Power Connector Type	4-Pin
Material	Aluminum, Copper
Item Weight	1.89 pounds

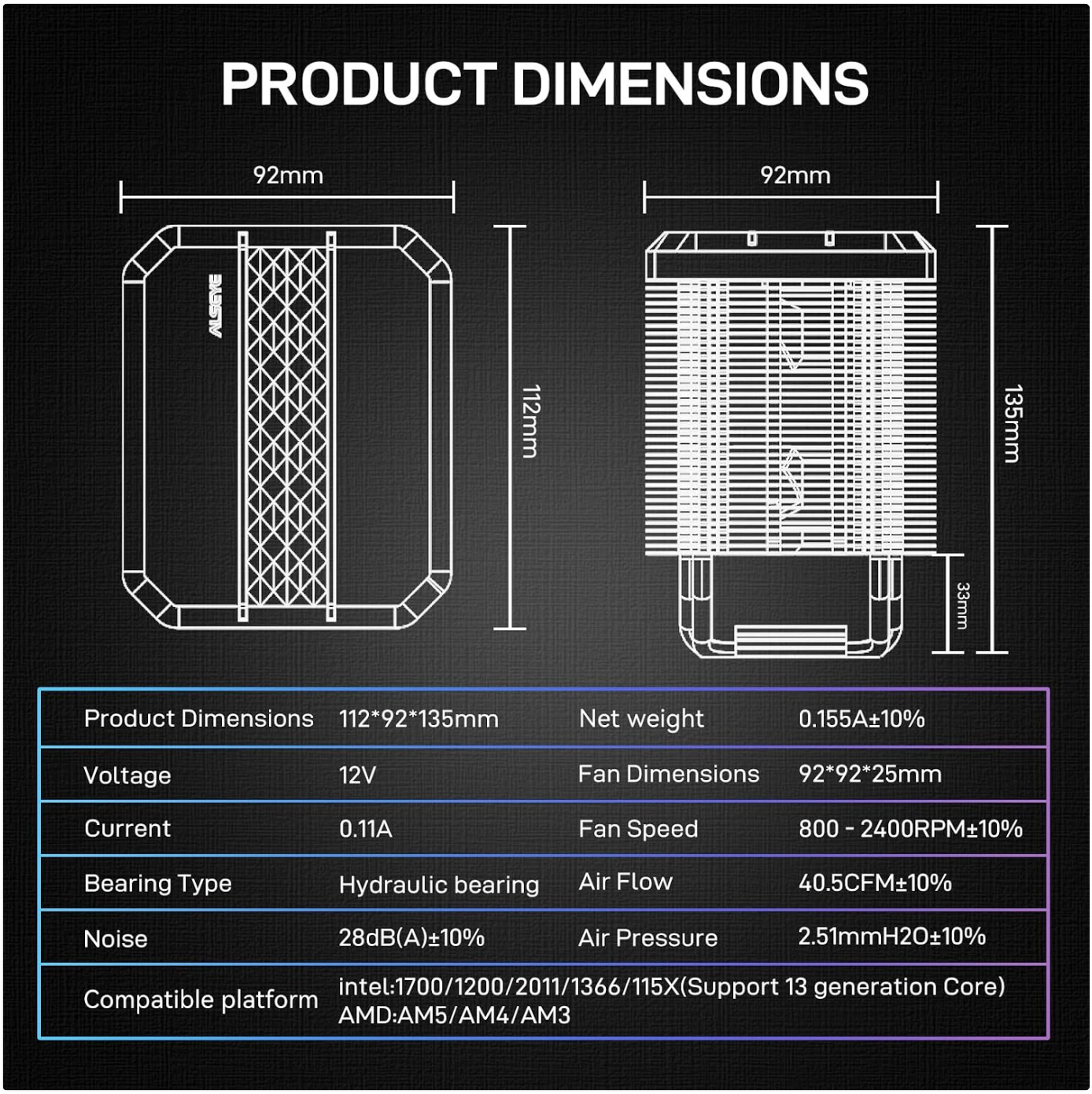


Image: Detailed product dimensions and a table summarizing key specifications like fan speed, noise level, and TDP.

4. Features

- **Dual-tower radiator:** Provides powerful cooling performance with a TDP of up to 180W.

- **Hidden 92mm PWM fan:** Integrated fan design reduces the overall size of the cooler, preventing interference with other motherboard components.
- **ARGB light effect cover:** The top cover features two ARGB LED strips with adjustable lighting effects for customization.
- **Optimized heat dissipation:** The heat sink's dissipation area is designed to maximize efficiency.
- **Copper base soldering:** Ensures fast heat transfer from the CPU to the four direct-contact heat pipes.



Image: The dual-tower cooler design with its integrated PWM fan, highlighting the active tower outlet and passive tower inlet for efficient airflow.



Image: The copper base and heat pipe structure of the M90 cooler, designed for direct contact and rapid heat transfer from the CPU.

5. Compatibility

The ALSEYE M90 CPU Cooler is compatible with a wide range of Intel and AMD platforms:

- **Intel Sockets:** LGA1200, LGA115X, LGA1366, LGA1700, LGA2011
- **AMD Sockets:** FM1, FM2, AM2, AM2+, AM3, AM3+, AM4

Additional dedicated buckles are included for Intel LGA2011 and LGA1700 platforms.

6. Setup & Installation

Follow these general steps for installing your ALSEYE M90 CPU Cooler. Specific steps may vary slightly depending on your motherboard and CPU socket type. Refer to your motherboard manual for detailed instructions on CPU and cooler installation.

1. **Prepare the Motherboard:** Ensure your motherboard is removed from the PC case or has sufficient access for cooler installation.
2. **Install Backplate (if required):** For some Intel sockets, a backplate may need to be installed behind the motherboard.
3. **Attach Mounting Brackets:** Secure the appropriate mounting brackets for your CPU socket to the motherboard using the provided screws.
4. **Apply Thermal Paste:** Apply a small amount of thermal paste to the center of your CPU's integrated heat spreader (IHS). A pea-sized dot is usually sufficient.
5. **Position the Cooler:** Carefully place the M90 CPU cooler onto the CPU, aligning the mounting holes on the cooler with the standoffs or screws on the brackets.
6. **Secure the Cooler:** Tighten the cooler's mounting screws in a diagonal pattern until snug. Do not overtighten.
7. **Connect Fan and ARGB Cables:** Connect the 4-pin PWM fan cable to the CPU_FAN header on your motherboard. Connect the ARGB cable to a compatible 3-pin 5V ARGB header on your motherboard or an ARGB controller.
8. **Verify Installation:** Double-check all connections and ensure the cooler is securely mounted and does not obstruct any other components.









Image: The ALSEYE M90 CPU Cooler installed within a computer case, demonstrating its aesthetic integration and ARGB lighting in a functional setup.

Installation and Performance Overview

Your browser does not support the video tag.

Video: This video demonstrates the ALSEYE M90 CPU Cooler installed on an X99 motherboard, highlighting its appearance and fit within a system.

7. Operating Instructions

Fan Control (PWM)

The M90 CPU cooler features a PWM (Pulse Width Modulation) fan. This allows your motherboard to dynamically control the fan speed based on CPU temperature, optimizing for both cooling performance and noise levels. You can typically configure fan curves in your motherboard's BIOS/UEFI settings or through manufacturer-provided software.

ARGB Lighting Control

The ARGB light effect cover can be controlled via a compatible 3-pin 5V ARGB header on your motherboard. Use your motherboard's RGB software (e.g., ASUS Aura Sync, MSI Mystic Light, Gigabyte RGB Fusion, ASRock Polychrome Sync) to customize lighting effects, colors, and synchronization with other ARGB components.



Image: The top cover of the M90 cooler, featuring integrated ARGB lighting strips that can be customized for various visual effects.

8. Maintenance

Regular maintenance ensures optimal performance and longevity of your CPU cooler.

- **Dust Cleaning:** Periodically clean dust from the heatsink fins and fan blades using compressed air or a soft brush. Ensure the fan is not spinning during cleaning to prevent damage.
- **Thermal Paste Replacement:** It is recommended to reapply thermal paste every 1-2 years, or if the cooler is removed and reinstalled.
- **Fan Inspection:** Check the fan for any signs of wear, unusual noises, or obstructions. Replace the fan if necessary.

9. Troubleshooting

Problem	Possible Cause	Solution
CPU overheating	Improper cooler installation, insufficient thermal paste, excessive dust, fan malfunction.	Re-seat cooler, reapply thermal paste, clean heatsink/fan, check fan connection.
Fan not spinning	Loose fan cable, faulty fan header, fan malfunction.	Ensure fan cable is securely connected to CPU_FAN header, test fan on another header, replace fan if faulty.
ARGB lighting not working	Loose ARGB cable, incorrect ARGB header (e.g., 12V RGB instead of 5V ARGB), software issue.	Check ARGB cable connection to a 3-pin 5V ARGB header, ensure correct software is used and updated.
Loud fan noise	Dust accumulation, fan bearing issue, high fan speed settings.	Clean fan, adjust fan curve in BIOS/software, replace fan if bearing is faulty.

Performance Test Data

Your browser does not support the video tag.

Video: This video presents a cooling performance test of the ALSEYE M90 CPU Cooler, showing temperature readings under load.

10. Warranty & Support

ALSEYE products are manufactured to high quality standards. For warranty information, technical support, or service inquiries, please refer to the official ALSEYE website or contact your local retailer. Keep your proof of purchase for warranty claims.
For further assistance, visit the ALSEYE Store on Amazon.

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