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Cooler Master MCM-H500-IGNN-S01

Cooler Master MasterCase H500 ARGB Airflow ATX Mid-Tower User Manual

Model: MCM-H500-IGNN-S01

INTRODUCTION

The Cooler Master MasterCase H500 is an ATX mid-tower PC chassis designed for high-performance airflow and aesthetic customization. It features dual 200mm ARGB fans and options for both mesh and transparent front panels, allowing users to prioritize either maximum airflow or visual appeal. This manual provides essential information for setting up, operating, and maintaining your MasterCase H500.

SETUP

1. Unpacking and Initial Inspection

Carefully remove the MasterCase H500 from its packaging. Inspect the chassis for any signs of damage during transit. Ensure all included accessories, such as the alternative front panel and ARGB controller, are present.

2. Choosing Your Front Panel

The MasterCase H500 includes two interchangeable front panels: a mesh panel for optimal airflow and a transparent acrylic panel for showcasing the internal components and ARGB fans. Select the panel that best suits your performance and aesthetic preferences.



PICK YOUR P A N E L

Mesh or acrylic, you
decide your front panel.

Both panels included.
One case per purchase.

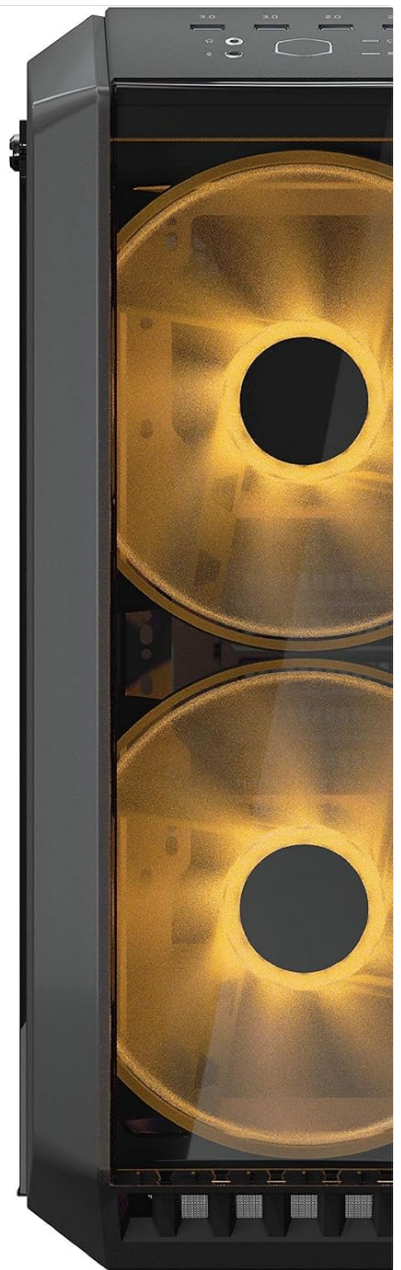


Image: The MasterCase H500 offers both a mesh front panel for superior airflow and a transparent panel for aesthetic display of the internal fans.

3. Fan and ARGB Lighting System Installation

The chassis comes pre-installed with dual 200mm ARGB fans. These fans are central to the H-Series design, providing both efficient cooling and customizable lighting. The ARGB lighting system can be controlled via your motherboard's software or the included ARGB controller. Use the provided splitter to connect multiple ARGB devices.

TWO 200MM RGB FANS + RGB CONTROLLER

Plus support for one top
panel 200mm fan.



Some components sold separately.

Image: The MasterCase H500 features two 200mm ARGB fans and an RGB controller, allowing for diverse lighting effects.



Image: The Cooler Master MasterCase H500 showcasing its vibrant ARGB fans and spacious interior.

4. Tempered Glass Side Panel

The side panel is made of edge-to-edge tempered glass, providing a clear view of your internal components. Handle with care to prevent damage.

CLEAR VIEW INSIDE

Light grey-tinted tempered glass side panel.



Image: The tempered glass side panel provides a clear view into the case's interior.

5. Radiator Support and Cooling Upgrades

The MasterCase H500 supports up to a 360mm radiator in the front and a 240mm radiator on top. It also includes native support for Cooler Master's 200mm radiator. The top panel features filtered ventilation for additional thermal support and future cooling upgrades.



RADIATOR SUPPORT

Up to 360mm radiator support in front, and 240mm on top also includes native support for Cooler Master's 200mm radiator.

Image: Diagram illustrating the radiator support capabilities of the MasterCase H500, including front and top mounting options.

6. Cable Management and Internal Layout

The case is designed for clean system builds with a front cable cover and a dedicated PSU cover. These features help in organizing cables and maintaining an uncluttered interior for improved aesthetics and airflow.

COVERS FOR CLEAN BUILDING

Display system builds neatly with a front cable cover¹ and PSU cover².



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Image: Internal layout of the MasterCase H500, showing covers designed for clean cable management and PSU concealment.

7. Top Magnetic Filter and Transport Handle

A top flush magnetic filter is included for enhanced thermal performance and dust prevention. The raised front panel also serves as a convenient grip for transporting the case.

TOP MAGNETIC FILTER and CASE TRANSPORT HANDLE

Top flush magnetic filter for added thermal performance, raised front panel for added grip during transport.



Image: The top magnetic filter and integrated transport handle of the MasterCase H500.

OPERATING INSTRUCTIONS

1. Airflow Optimization

The MasterCase H500 is engineered for optimal airflow. Ensure proper fan orientation for intake and exhaust to maximize cooling efficiency. The large 200mm fans move high volumes of air quietly, contributing to excellent thermal performance.

2. ARGB Lighting Control

Utilize the included ARGB controller or your motherboard's ARGB software to customize the lighting effects of the pre-installed fans. Refer to your motherboard's manual for specific software instructions if using motherboard control.

MAINTENANCE

1. Dust Filter Cleaning

Regularly clean the dust filters located on the top, front, and bottom of the case to maintain optimal airflow and prevent

dust buildup inside your system. The top magnetic filter can be easily removed for cleaning.

2. General Cleaning

Use a soft, dry cloth to wipe down the exterior surfaces of the case. For the tempered glass panel, a microfiber cloth with a mild glass cleaner can be used. Avoid abrasive materials or harsh chemicals.

TROUBLESHOOTING

1. ARGB Fan Not Working / Incorrect Lighting

- **Check Connections:** Ensure all ARGB cables are securely connected to the ARGB controller or the motherboard's ARGB header. Verify the correct pin configuration (e.g., 3-pin ARGB vs. 4-pin RGB).
- **Software/Controller Settings:** Confirm that the ARGB lighting software (if using motherboard control) or the physical controller settings are correctly configured for the desired effects.
- **Power Supply:** Ensure the ARGB controller (if used) is receiving adequate power.

2. Unusual Fan Noise (Rattle/Wobble)

- **Inspect Fans:** Visually inspect the fan blades for any obstructions or signs of damage.
- **Mounting Screws:** Ensure all fan mounting screws are tightened securely. Loose screws can cause vibrations.
- **Cable Interference:** Check if any cables are touching the fan blades or the fan housing, causing a rattling sound.

SPECIFICATIONS

Brand	Cooler Master
Model Name	MasterCase H500
Item Model Number	MCM-H500-IGNN-S00
Case Type	Mid Tower
Color	Black
Material	Steel, Plastic, Mesh
Product Dimensions (LxWxH)	22.4 x 12.2 x 23.9 inches
Item Weight	20.3 pounds
Motherboard Compatibility	ATX
Number of USB 3.0 Ports	2
Cooling Method	Fan
Fan Size	200 Millimeters (pre-installed)
Light Color	RGB



Image: Dimensional overview of the MasterCase H500.

WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official Cooler Master website or contact their customer service. A comprehensive user guide in PDF format is also available for download.

User Guide (PDF): [Download Here](#)

