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› PCCOOLER C3T500 ARGB Mid Tower PC Case Instruction Manual

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PCCOOLER C3T500 ARGB Mid Tower PC Case Instruction Manual

Model: C3T500 ARGB

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your PCCOOLER C3T500 ARGB Mid Tower PC Case. Please read this manual thoroughly before beginning assembly to ensure proper setup and optimal performance.



Figure 1: Overview of the PCCOOLER C3T500 ARGB Mid Tower PC Case.

2. PRODUCT FEATURES

- **Unobstructed View:** Features 3mm thick, clear tempered glass with an innovative column-free design for a full view of internal components.
- **Durable Construction:** Constructed with 0.7mm thick SPCC steel for enhanced durability and aesthetic appeal.
- **Extensive Compatibility:** Supports ATX, M-ATX, and ITX motherboards, GPUs up to 400mm, CPU coolers up to 175mm, and ATX power supplies up to 200mm.
- **Advanced Cooling:** Includes six pre-installed 120mm ARGB fans with PWM speed control and 5V ARGB lighting. Supports 280mm/360mm radiators for liquid cooling.
- **Simplified Installation:** Snap-on quick-release side panel design eliminates the need for numerous screws, simplifying assembly and maintenance.
- **Front I/O Ports:** Equipped with 1x USB 3.1 Gen 2 Type-C, 2x USB 3.0, MIC & AUDIO jacks, LED switch button,

and power button.

INNOVATIVE COLUMN-FREE DESIGN

**3MM High-transmittance
Tempered Glass**

**SPCC Steel panel
thickness 0.7MM**

**Enjoy the perfect DIY
of case design**



Figure 2: Innovative column-free design with 3mm tempered glass and 0.7mm SPCC steel.

3. SETUP AND INSTALLATION

3.1 Unpacking and Initial Inspection

Carefully remove the PC case from its packaging. Inspect the case for any signs of damage during transit. Ensure all accessories, including the user manual and screw kit, are present.

3.2 Panel Removal

The side panels feature a snap-on quick-release design. Gently pull the panels to detach them from the chassis. This design simplifies access to internal components for installation and maintenance.

SNAP-ON QUICK-RELEASE DESIGN

No additional screws are required for installation



Figure 3: Snap-on quick-release side panel for easy access.

3.3 Component Compatibility and Installation

The C3T500 ARGB case offers broad compatibility for various PC components:

- **Motherboard Support:** ATX, M-ATX, ITX.
- **GPU Length Limit:** Up to 400mm.
- **CPU Cooler Height:** Up to 175mm.
- **Power Supply Type:** ATX, up to 200mm in length.
- **Drive Bays:** 2 x 2.5" SSD, 2 x 3.5" HDD.
- **Expansion Slots:** 6.

PERFECT COMPATIBILITY

- **MB Support:** ATX / M-ATX / ITX
- **GPU Length Limit** 400mm
- **PSU:** ATX up to 200mm in length



2

3.5in Drive Bays

1

2.5in Drive Bays

6

Expansion Slots

Figure 4: Internal layout showing compatibility for various components.

3.4 Cooling System Installation

The case comes with six pre-installed 120mm ARGB fans. Additional cooling options are available:

- **Radiator Support:** Top and bottom positions support 280mm and 360mm radiators.
- **Air Cooling:** CPU air coolers up to 175mm in height are supported.

POWERFUL COOLING SYSTEM

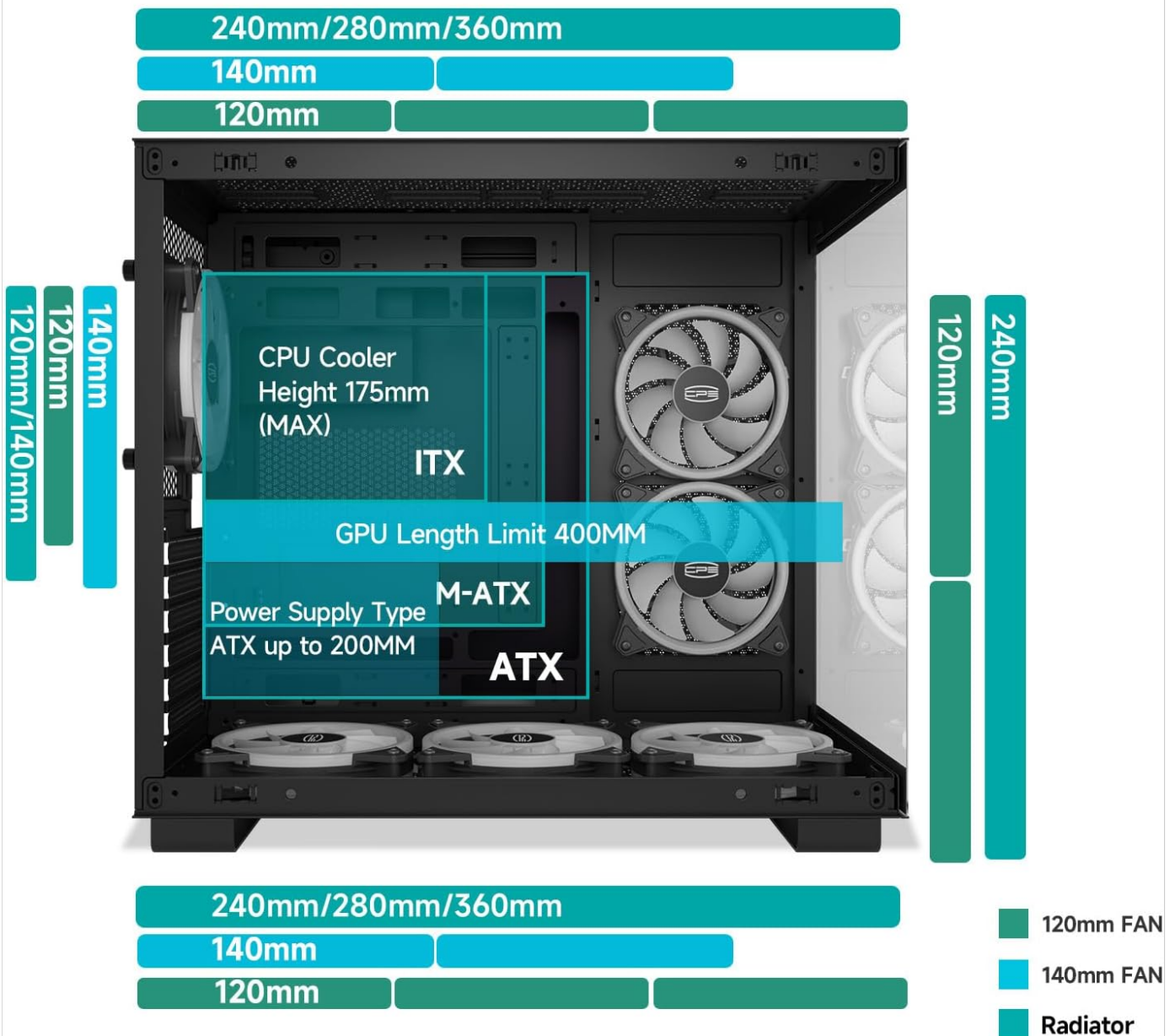


Figure 5: Cooling system layout and supported sizes.

3.5 Cable Management

Utilize the designated cable routing channels and tie-down points behind the motherboard tray to ensure a clean and organized build. This improves airflow and aesthetics.

4. OPERATING INSTRUCTIONS

4.1 Front I/O Panel

The front I/O panel provides convenient access to essential ports and controls:

- 1 x USB 3.1 Gen 2 Type-C
- 2 x USB 3.0
- MIC & AUDIO jacks

- LED Switch Button (for ARGB control)
- Power Button

4.2 ARGB Fan Control

The pre-installed ARGB fans can be controlled via the LED Switch Button on the front I/O panel. Press the button to cycle through various lighting modes and colors. Hold the button to transfer ARGB control to your motherboard's software, if supported.

5. MAINTENANCE

5.1 Cleaning Dust Filters

The top, back, and bottom panels are equipped with magnetic dust filters. Regularly remove and clean these filters to maintain optimal airflow and prevent dust buildup inside the case.

5.2 Panel Re-installation

To re-install the side panels, align them with the chassis and gently push until they snap securely into place. No screws are required for this process.

6. TROUBLESHOOTING

6.1 Fan Hub Usage

The included fan hub is designed to support only the six original fans. **Do not connect additional fans to this hub** as this may risk damaging the hub. If replacing internal fans connected to the hub, ensure the total wattage of the 5V ARGB power consumption remains below 12W.

6.2 General Issues

- **No Power:** Double-check all power connections from the power supply to the motherboard, GPU, and other components. Ensure the power button cable is correctly connected to the motherboard.
- **Fans Not Spinning/Lighting:** Verify that the fan hub is correctly connected to the power supply (SATA power) and the motherboard (PWM and ARGB headers). Check the LED switch button for control.
- **Overheating:** Ensure all fans are installed in the correct orientation for optimal airflow (intake/exhaust). Verify that CPU cooler and GPU fans are functioning properly. Clean dust filters regularly.

7. SPECIFICATIONS

Feature	Specification
Brand	PCCOOLER
Model Name	C3T500 ARGB WH
Motherboard Compatibility	ATX, M-ATX, ITX
Case Type	Mid Tower
Material	Alloy Steel, Metal, Tempered Glass
Color	Black

Product Dimensions (LxWxH)	16.34 x 11.61 x 14.49 inches (415 x 295 x 368 mm)
Item Weight	16.72 pounds (7.6 kg)
GPU Length Limit	400mm
CPU Cooler Height Limit	175mm
Power Supply Mounting Type	Bottom Mount (ATX up to 200mm)
Cooling Method	Air, Water
Pre-installed Fans	6 x 120mm ARGB Fans (PWM)
Radiator Support	Top: 240/280/360mm, Bottom: 240/280/360mm, Side: 240mm
Drive Bays	2 x 2.5" SSD, 2 x 3.5" HDD
Expansion Slots	6
Front I/O Ports	1x USB 3.1 Gen 2 Type-C, 2x USB 3.0, MIC & AUDIO, LED Switch, Power



Figure 6: Case dimensions for planning your build space.

8. WARRANTY

The PCCOOLER CPS PC CASE series comes with a **two-year warranty**. For any questions or issues regarding the product during purchase or use, please contact the PCCOOLER customer service team for assistance.

9. SUPPORT

For further support, technical assistance, or warranty claims, please refer to the contact information provided in the original product packaging or visit the official PCCOOLER website. Ensure you have your product model number (C3T500 ARGB) and proof of purchase ready when contacting support.

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