Vetroo AL800

Vetroo AL800 Mid Tower ATX PC Computer Case

Instruction Manual

INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your Vetroo AL800 Mid Tower ATX PC Computer Case. Please read this manual thoroughly before beginning installation to ensure proper setup and optimal performance.

Figure 1: Vetroo AL800 Mid Tower ATX PC Computer Case (Black)

SAFETY INFORMATION

- Always disconnect the power supply from the wall outlet before installing or removing any components.

- Handle components with care to avoid damage from electrostatic discharge. Consider using an anti-static wrist strap.

- Keep the case and components away from liquids and excessive humidity.

- Ensure proper ventilation to prevent overheating.

- Do not attempt to modify the case or its components, as this may void your warranty and pose safety risks.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Vetroo AL800 Mid Tower ATX PC Computer Case
- Accessory Box (screws, standoffs, cable ties)
- Pre-installed 1x 120mm PWM/ARGB Fan (rear)
- User Manual (this document)

KEY FEATURES

- **ARGB LED Strip:** Integrated LED lighting and ARGB case fans can be synchronized with compatible motherboards via a 5V 3-pin interface.
- **Door Opening Design:** Features a 4mm thick tempered glass side panel with a convenient door-opening mechanism for easy access to internal components.
- **High Performance Airflow:** A mesh front panel and strategically placed dust filters ensure optimal airflow and system cooling.
- **Wide Compatibility:** Supports ATX, M-ATX, and ITX motherboards. Accommodates GPUs up to 340mm in length and CPU coolers up to 165mm in height.
- **Liquid Cooling Support:** Front panel supports up to a 360mm liquid cooling radiator.
- **Fan Support:** Supports up to 8 x 120mm fans.
- **Simple Cable Management:** Includes two soft silicone cord grommets for organized cable routing.
- **Powerful I/O Panel:** Features 1x USB 3.2 Type-C port, 2x USB 3.0 ports, and a combined microphone/headphone jack.

SETUP AND INSTALLATION

1. General Preparation

- Place the case on a flat, stable surface.
- Open the tempered glass side panel by gently pulling it open. It is hinged for easy access.
- Remove the tempered glass panel if necessary for easier installation by lifting it off its hinges once open.

DOOR OPENING DESIGN

4MM tempered glass removable glass panel makes the inside of the chassis visual, and the opening and closing design makes it easy to remove the panel

Figure 2: Tempered Glass Door Opening Design

2. Motherboard Installation

- Install the I/O shield (if applicable) into the rear opening of the case.
- Align your ATX, M-ATX, or ITX motherboard with the pre-installed standoffs.
- Secure the motherboard using the provided screws from the accessory box.
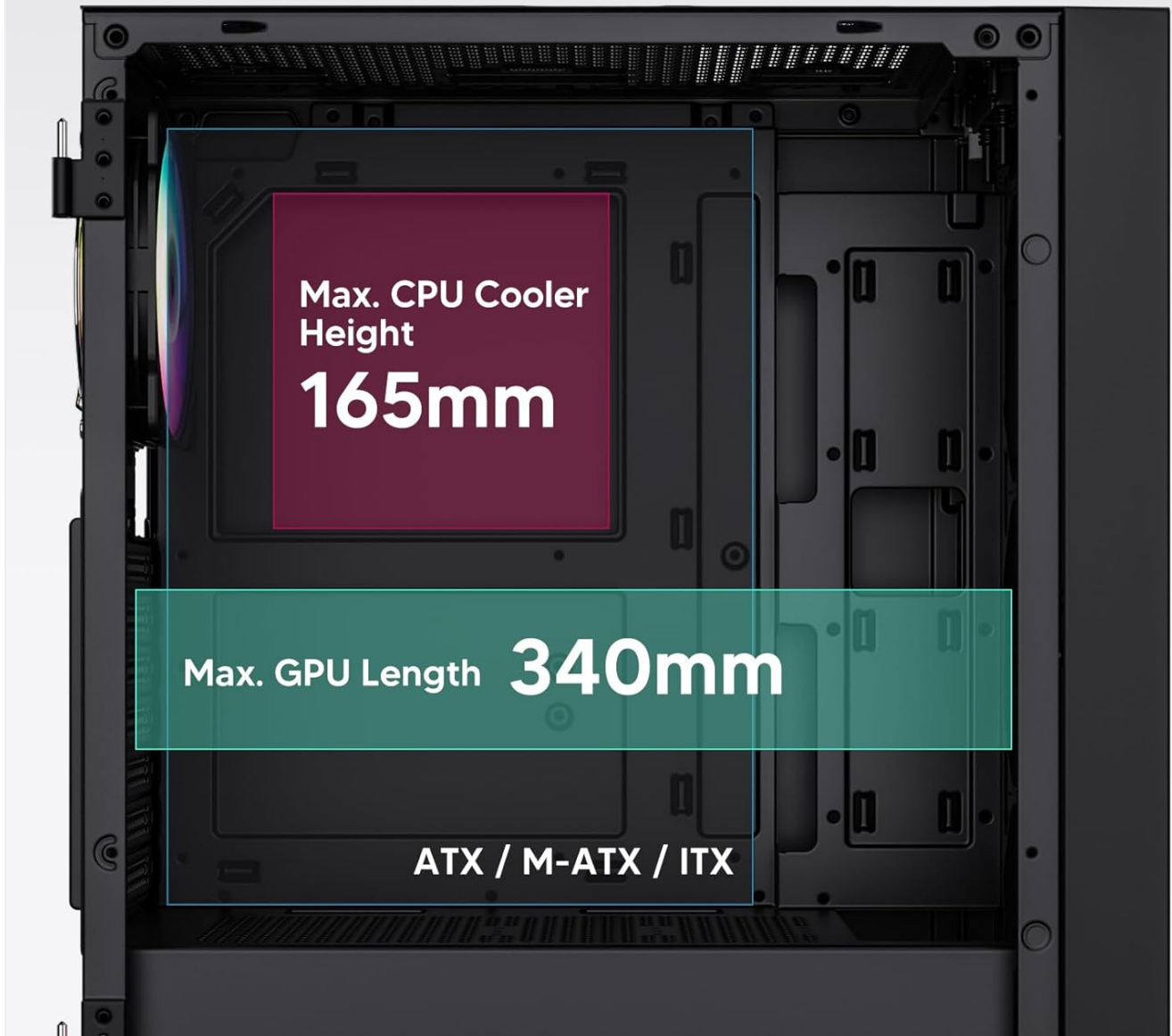
RTX50 COMPATIBLE

Figure 3: Motherboard and Component Clearance (Max CPU Cooler Height 165mm, Max GPU Length 340mm)

3. Storage Device Installation (HDD/SSD)

- Locate the dedicated mounting points for SSDs and HDDs.
- Install 2.5" SSDs onto the SSD trays or mounting brackets.
- Install 3.5" HDDs into the drive cage located at the bottom of the case.
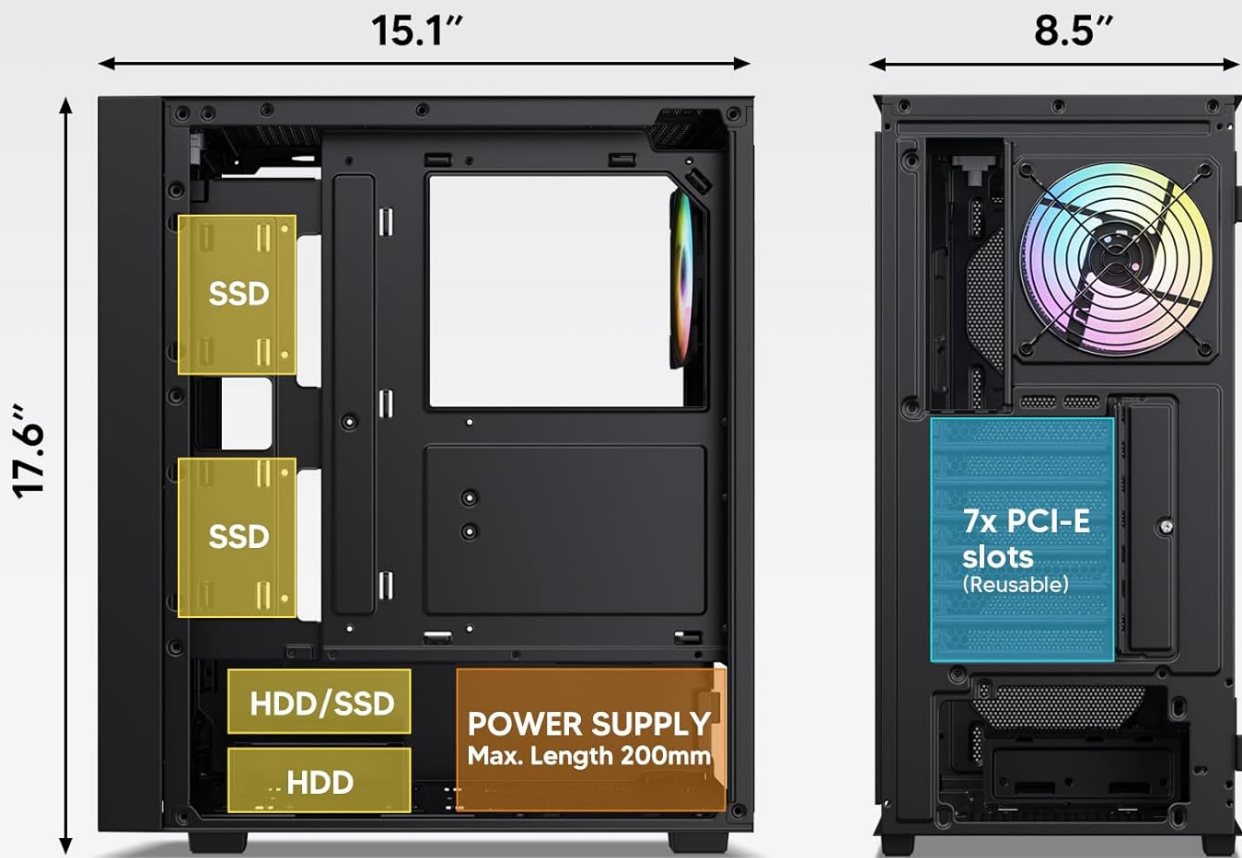- Secure all drives with the appropriate screws.

Dimensions

Figure 4: Internal Layout with Drive Bay Locations (SSD, HDD, Power Supply)

4. Power Supply Installation

- Mount your power supply unit (PSU) in the dedicated compartment at the bottom rear of the case.
- Ensure the PSU fan faces downwards (if the case has a bottom vent) or upwards, depending on your cooling preference.
- Secure the PSU with screws from the rear of the case. The case supports PSUs up to 200mm in length.

5. Expansion Card (GPU) Installation

- Remove the necessary PCI-E slot covers from the rear of the case.
- Insert your graphics card or other expansion cards into the motherboard's PCI-E slots.
- Secure the cards with screws. The case supports GPUs up to 340mm in length.

6. Cooling System Installation (Fans/Radiators)

- The case comes with one pre-installed 120mm PWM/ARGB fan at the rear.
- Additional fans (120mm or 140mm) can be installed at the front, top, and bottom.
- Liquid cooling radiators up to 360mm can be installed at the front, and up to 240mm at the top.
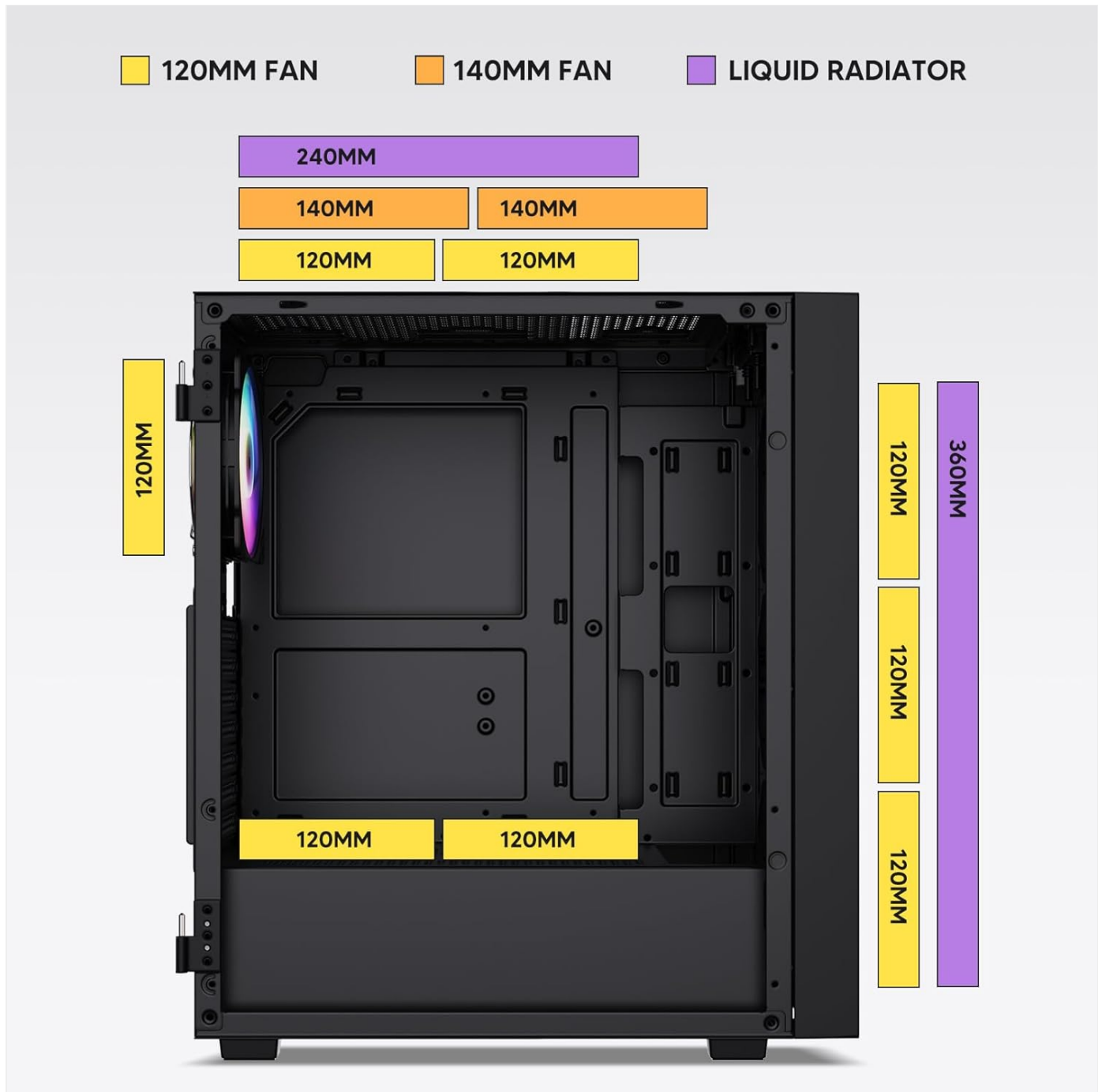- Refer to the diagram for supported fan and radiator configurations.

Figure 5: Fan and Liquid Radiator Support Diagram

7. Front Panel Connections

- Connect the front panel cables (Power, Reset, USB 3.0, USB Type-C, HD Audio) to the corresponding headers on your motherboard.
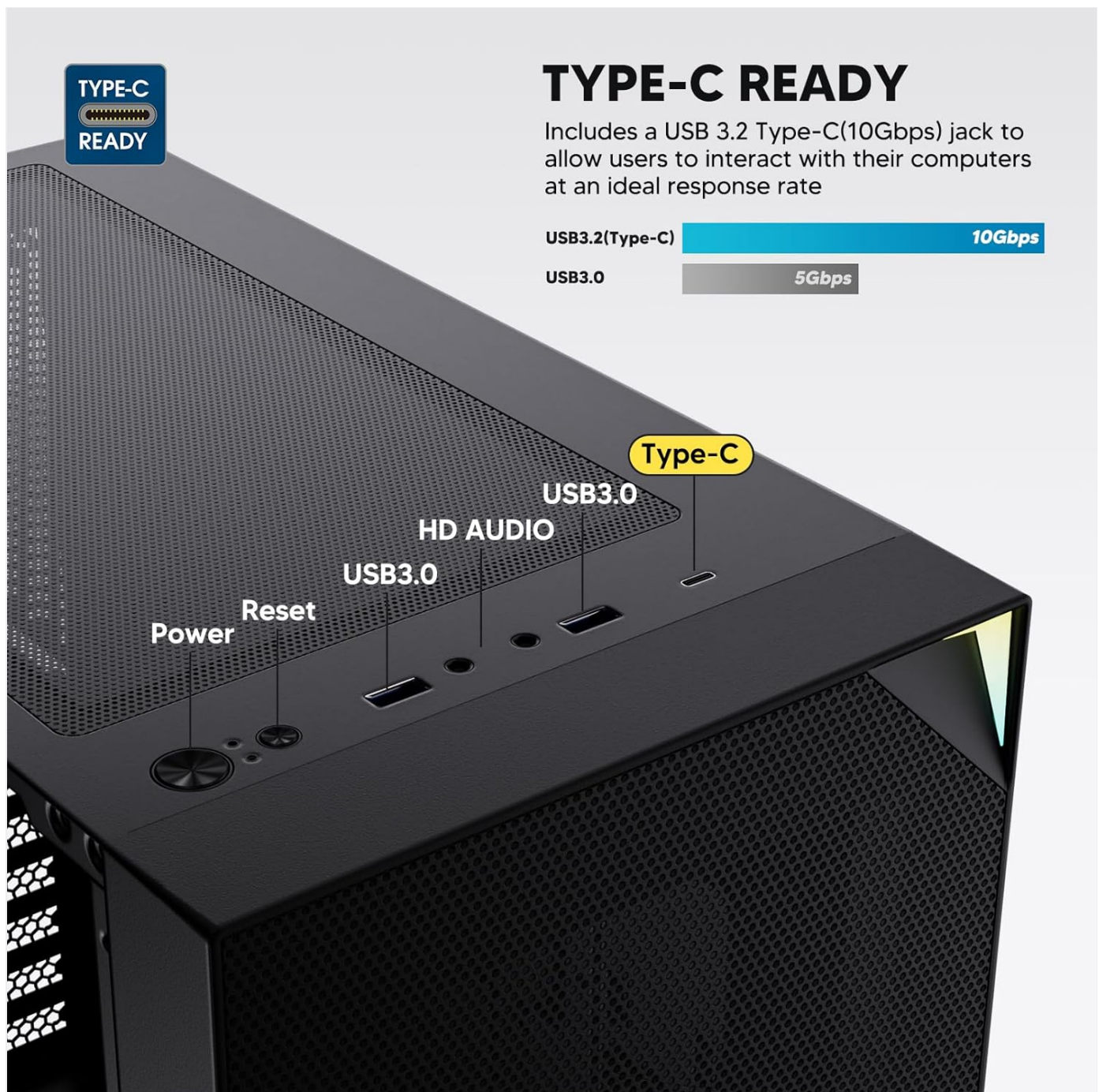- Consult your motherboard manual for the exact pin layout of these headers.

Figure 6: Top I/O Panel Connections

8. ARGB and PWM Connections

- The pre-installed fan and ARGB LED strip require connection to your motherboard.
- Connect the 4-pin PWM connector from the fan to a compatible fan header on your motherboard for speed control.
- Connect the 3-pin ARGB connector from the fan and LED strip to a 5V 3-pin ARGB header on your motherboard for lighting synchronization. **Do not connect to a 12V RGB header, as this will damage the LEDs.**
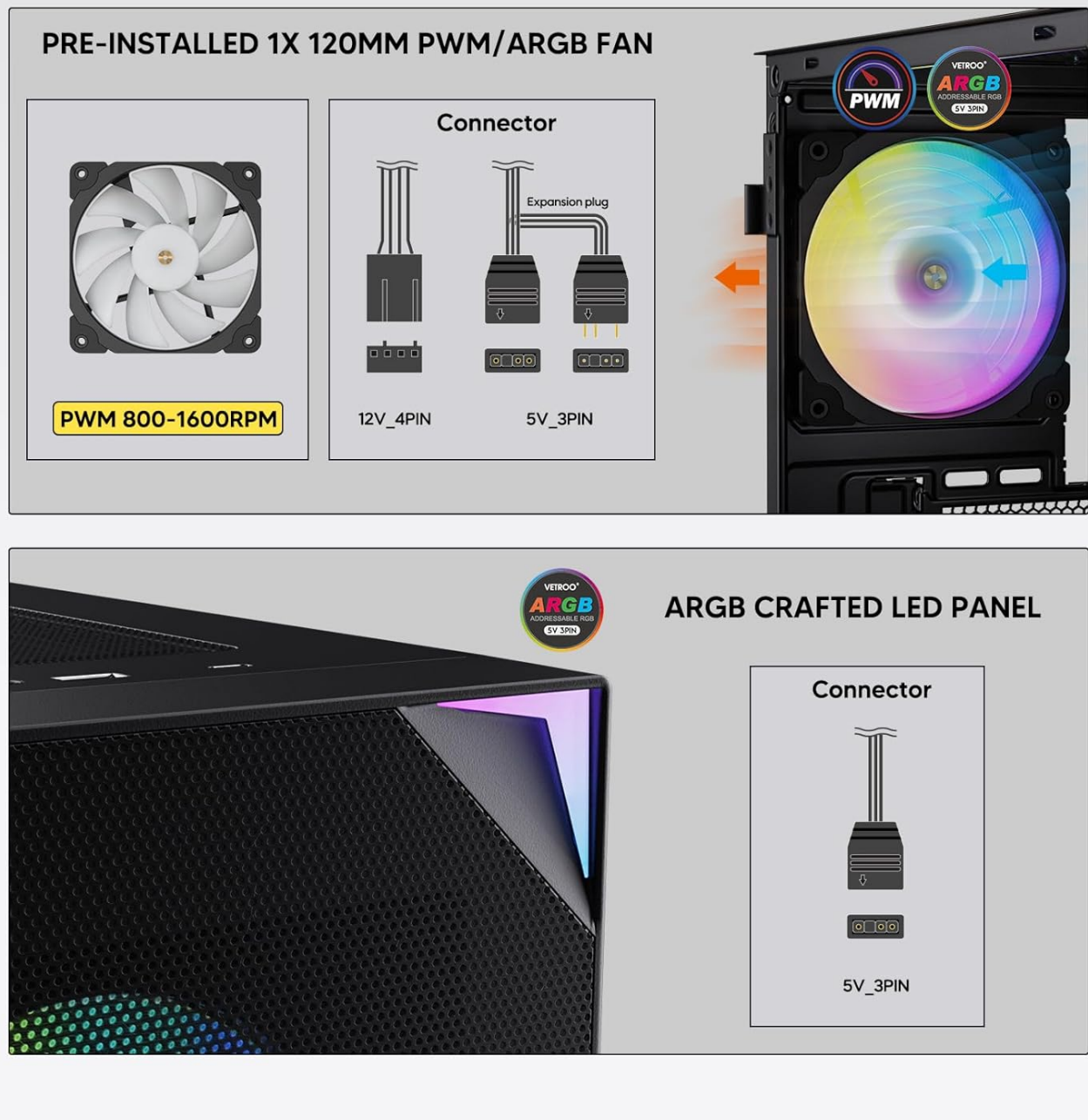
Figure 7: PWM and ARGB Connector Details

9. Cable Management

- Utilize the cable routing cutouts and tie-down points behind the motherboard tray to organize cables.
- The soft silicone grommets help protect cables and provide a clean look.
- Proper cable management improves airflow and aesthetics.

OPERATION

1. Initial Power-On

- After all components are securely installed and cables connected, close the tempered glass side panel.
- Connect your monitor, keyboard, mouse, and power cable to the PC.
- Flip the power switch on your PSU to the 'ON' position.
- Press the power button on the top I/O panel of the case to start your system.

2. ARGB Lighting Control

- If connected to a compatible motherboard's 5V 3-pin ARGB header, the lighting of the pre-installed fan and LED strip can be controlled via your motherboard's RGB software (e.g., ASUS Aura Sync, MSI Mystic Light Sync, Gigabyte RGB Fusion, ASRock Polychrome Sync).
- Refer to your motherboard's manual for specific instructions on using its ARGB control software.

3. Airflow Management

- The mesh front panel is designed for optimal air intake.
- Ensure that intake fans (typically front and bottom) and exhaust fans (typically rear and top) are configured to create positive or neutral air pressure for efficient cooling and dust prevention.
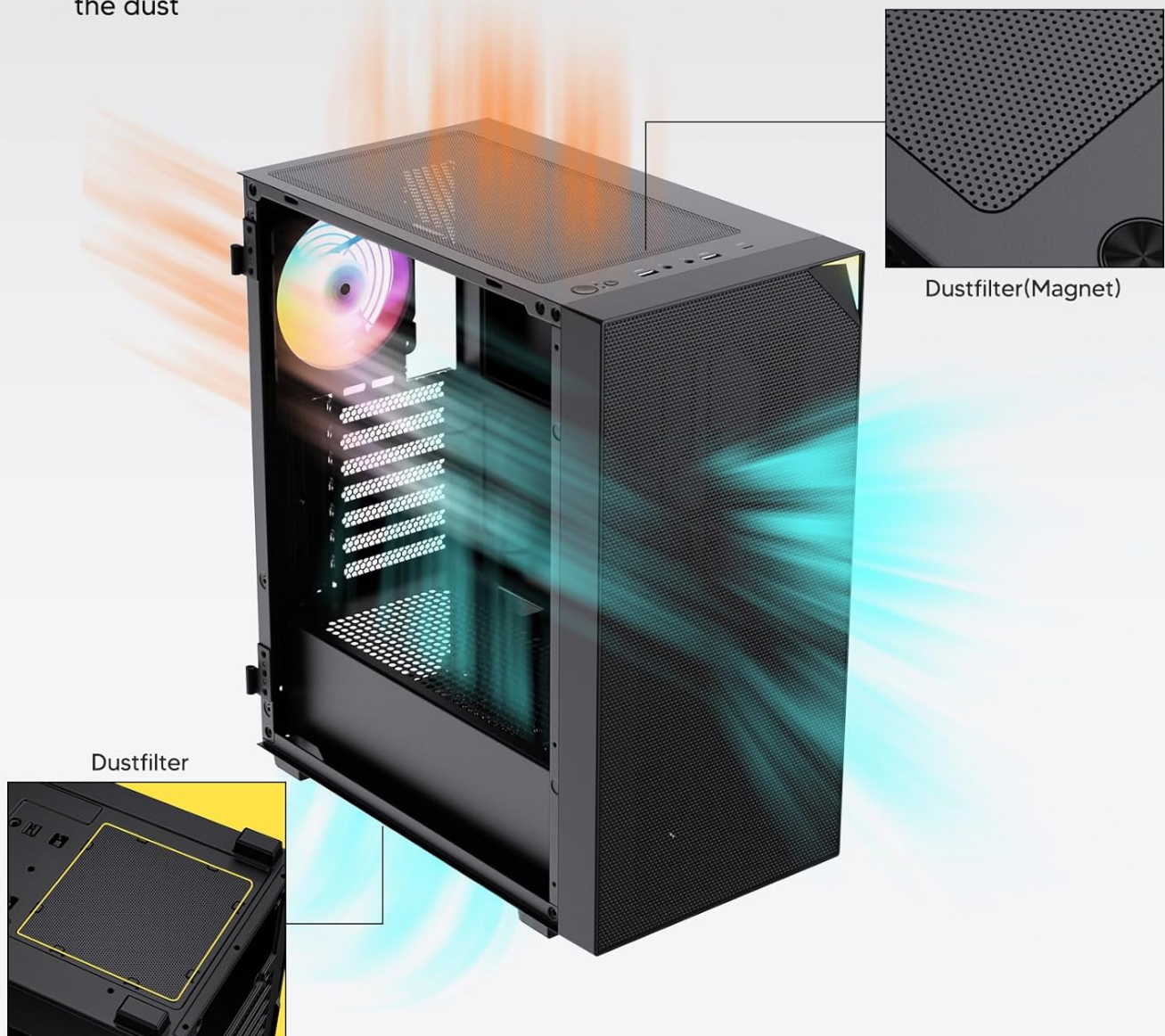

Figure 8: Airflow Diagram with Dust Filters

MAINTENANCE

1. Dust Filter Cleaning

- The case is equipped with dust filters on the top and bottom panels.
- Regularly check and clean these filters to maintain optimal airflow and prevent dust buildup inside the system.
- Gently remove the magnetic dust filters and clean them with compressed air or by rinsing with water (ensure they are completely dry before re-installation).

2. Tempered Glass Panel Care

- Clean the tempered glass panel with a soft, lint-free cloth and a non-abrasive glass cleaner.
- Avoid harsh chemicals or abrasive materials that could scratch or damage the glass.

TROUBLESHOOTING

- **System Does Not Power On:**
    - Ensure the power cable is securely connected to both the PSU and the wall outlet.
    - Verify the PSU switch is in the 'ON' position.
    - Check that the front panel power button cable is correctly connected to the motherboard header.
    - Confirm all power cables (24-pin ATX, CPU, GPU) are properly seated in the motherboard and components.

- **Fans Not Spinning / ARGB Not Lighting Up:**
    - Check that the fan's PWM connector is securely plugged into a motherboard fan header.
    - Verify the ARGB 3-pin connector is correctly attached to a 5V 3-pin ARGB header on the motherboard (not 12V RGB).
    - Ensure your motherboard's ARGB software is installed and configured correctly.

- **USB Ports Not Functioning:**
    - Confirm the USB 3.0 and USB Type-C front panel cables are correctly connected to their respective motherboard headers.
    - Check your motherboard manual for correct header locations.

- For other component-specific issues, refer to the instruction manuals for your motherboard, CPU, GPU, and other installed hardware.
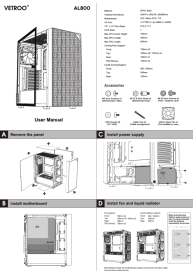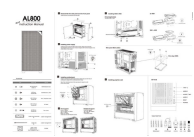
SPECIFICATIONS

Brand	Vetroo
Model Name	AL800
Item Model Number	VT-CASE-AL800-BK (FBA)
Case Type	Mid Tower
Motherboard Compatibility	ATX, M-ATX, ITX
Color	Black

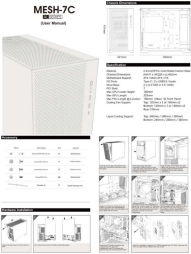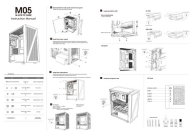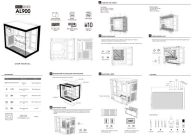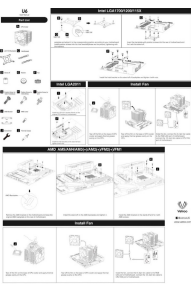| Material	Metal, Tempered Glass
Item Weight	12.37 pounds (approx. 5.61 kg)
Product Dimensions (LxWxH)	18.4 x 8.6 x 17.9 inches (approx. 46.7 x 21.8 x 45.5 cm)
Max GPU Length	340 mm
Max CPU Cooler Height	165 mm
Max PSU Length	200 mm
Front I/O Ports	1x USB 3.2 Type-C, 2x USB 3.0, HD Audio (Mic/Headphone), Power, Reset
Fan Support	Front: 3x 120mm or 2x 140mm; Top: 2x 120mm or 2x 140mm; Rear: 1x 120mm; Bottom: 2x 120mm
Radiator Support	Front: 120/140/240/280/360mm; Top: 120/140/240mm; Rear: 120mm
Pre-installed Fans	1x 120mm PWM/ARGB (Rear)

WARRANTY AND SUPPORT

For warranty information, technical support, or to inquire about replacement parts, please visit the official Vetroo website or contact their customer service directly. Keep your proof of purchase for warranty claims.
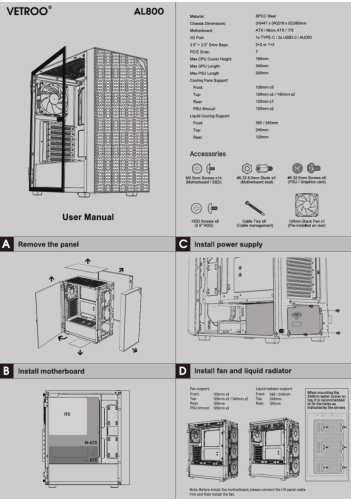Official Vetroo Store: Vetroo Amazon Store

Related Documents - AL800

Vetroo AL800 PC Case User Manual
User manual for the Vetroo AL800 PC case, detailing installation steps for components like the motherboard, power supply, fans, liquid radiators, HDDs, SSDs, and graphics cards. Includes I/O panel connection guide and accessory list.

Vetroo AL800 Full Tower Gaming Case Instruction Manual
Comprehensive instruction manual for the Vetroo AL800 Full Tower Gaming PC Case. Learn how to install your power supply, motherboard, storage drives (SSD/HDD), graphics card, and understand fan and radiator support options. Includes accessory list and detailed step-by-step guidance.

[Vetroo MESH-7C AL SERIES PC Case User Manual](#)
Detailed user manual for the Vetroo MESH-7C AL SERIES PC case, covering specifications, dimensions, accessories, and hardware installation steps for building your computer.

[Vetroo M05 M-ATX PC Case Instruction Manual](#)
Detailed instruction manual for assembling the Vetroo M05 M-ATX PC Case, covering component installation, accessory usage, and I/O panel connections.

[Vetroo AL900 ATX PC Case User Manual](#)
User manual for the Vetroo AL900 ATX PC Gaming Case, detailing assembly, installation of components like the power supply, and I/O panel connections.

[Vetroo U6 CPU Cooler User Manual and Installation Guide](#)
Detailed user manual and installation guide for the Vetroo U6 CPU Cooler, covering compatibility with Intel LGA 1700/1200/115X and AMD AM5/AM4/AM3(+)/AM2(+)/FM2(+)/FM1 sockets. Includes part list and step-by-step assembly instructions.
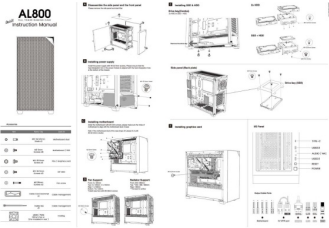
Documents - Vetroo – AL800

[Vetroo AL800 PC Case User Manual](#)
User manual for the Vetroo AL800 PC case, detailing installation steps for components like the motherboard, power supply, fans, liquid radiators, HDDs, SSDs, and graphics cards. Includes I/O panel connection guide and accessory list.
lang: score:24 filesize: 11.22 M page_count: 2 document date: 2025-04-17

[Vetroo AL800 Full Tower Gaming Case Instruction Manual](#)
Comprehensive instruction manual for the Vetroo AL800 Full Tower Gaming PC Case. Learn how to install your power supply, motherboard, storage drives (SSD/HDD), graphics card, and understand fan and radiator support options. Includes accessory list and detailed step-by-step guidance.
lang: score:20 filesize: 1.04 M page_count: 1 document date: 2024-01-29