AeroCool HEXFORMBKV2

AeroCool HEXFORMBKV2 Micro ATX PC Case Instruction Manual

Model: HEXFORMBKV2

Brand: AeroCool

1. PRODUCT OVERVIEW

The AeroCool HEXFORMBKV2 is a high-performance Micro ATX PC case designed for optimal ventilation and a modern aesthetic. It features a tempered glass side panel to showcase your internal components and a stylish front panel that highlights the included FRGB fans. This mini-tower case supports efficient air and liquid cooling solutions.

Key Features:

- **High-Performance Mini-Tower:** Front panel designed for effective cooling, showcasing three fixed RGB fans.
- **Expansive Cooling Support:** Includes 3 FRGB fans (2 front, 1 rear) and supports liquid cooling at the front and rear.
- **Micro ATX Compatibility:** Supports Micro-ATX and Mini-ITX motherboards, CPU coolers up to 159 mm, and high-performance graphics cards up to 296 mm (without front radiator).
- **Multimedia Access:** Top panel features 1x USB 3.0 port, 2x USB 2.0 ports, microphone and HD audio jacks, and Reset/Power buttons.

Front view of the AeroCool HEXFORMBKV2 PC case, highlighting the mesh front panel and illuminated FRGB fans.

2. SPECIFICATIONS

Feature	Specification
Brand	AeroCool
Model Name	HEXFORMBKV2

Feature	Specification
Case Type	Mini-tower
Motherboard Compatibility	Micro ATX, Mini-ITX
Dimensions (D x W x H)	37.7 x 35.8 x 20.7 cm
Weight	2 Kilograms
Material	Metal
Cooling Method	Air, Water
Pre-installed Fans	3 (FRGB, 120mm)
Max GPU Length	296 mm (without front radiator)
Max CPU Cooler Height	159 mm
Internal Drive Bays	3 (3.5 inches compatible)
Expansion Slots	6
Front I/O Ports	1x USB 3.0, 2x USB 2.0, Microphone, HD Audio, Reset, Power

Interior view of the HEXFORMBKV2, illustrating the motherboard mounting area and cable management cutouts.

3. SETUP GUIDE

Follow these steps to properly install your components into the AeroCool HEXFORMBKV2 PC case.

3.1 Unpacking

1. Carefully remove the PC case from its packaging.
2. Remove any protective films or internal packaging materials.
3. Place the case on a stable, flat surface.

3.2 Motherboard Installation

1. Remove the tempered glass side panel by unscrewing the thumb screws.
2. Install the I/O shield (if not pre-installed on your motherboard) into the rear opening of the case.
3. Align your Micro ATX or Mini-ITX motherboard with the standoffs inside the case.
4. Secure the motherboard using the provided screws.

3.3 Power Supply Installation

1. Locate the power supply mounting area at the bottom rear of the case.
2. Slide your power supply unit (PSU) into the designated bay.
3. Secure the PSU with screws from the rear of the case.

3.4 Storage Drive Installation

1. Identify the 3.5-inch drive bays within the case.
2. Mount your hard drives or SSDs into the appropriate bays and secure them with screws.

3.5 Expansion Card (GPU) Installation

1. Remove the necessary expansion slot covers from the rear of the case.
2. Insert your graphics card or other expansion cards into the PCIe slots on your motherboard.
3. Ensure the card is seated correctly and secure it with a screw. Note the maximum GPU length of 296 mm (without front radiator).

3.6 Cooling System

The case comes with three pre-installed 120mm FRGB fans (two at the front, one at the rear). Additional fans or liquid cooling radiators can be installed as needed. Ensure proper airflow direction for optimal cooling.

3.7 Cable Management

Utilize the cable routing cutouts and tie-down points behind the motherboard tray to organize cables. This improves airflow and aesthetics.

Internal view of the HEXFORMBKV2, demonstrating space for components and potential cable routing.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- To power on your PC, press the **Power** button located on the top panel.

- To power off, either shut down through your operating system or press and hold the **Power** button for a few seconds.

4.2 Front Panel I/O Ports

The top panel provides convenient access to various ports:

- **USB 3.0 Port (x1):** For high-speed data transfer.
- **USB 2.0 Ports (x2):** For connecting peripherals.
- **Microphone Jack:** For audio input.
- **HD Audio Jack:** For audio output (headphones/speakers).
- **Reset Button:** To restart the system. Note: This button may also cycle through FRGB lighting effects if connected to a compatible controller.

4.3 FRGB Fan Control

The pre-installed FRGB fans offer fixed RGB lighting. If your motherboard supports RGB control, you may be able to synchronize or change lighting effects via motherboard software. Otherwise, the Reset button might cycle through pre-set effects if wired accordingly.

Top panel with USB 3.0, USB 2.0, audio ports, and power/reset buttons.

5. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your PC components.

5.1 Dust Filter Cleaning

- The HEXFORMBKV2 features a mesh front panel and a top panel with a magnetic dust filter.

- Periodically remove and clean these filters to prevent dust buildup, which can hinder airflow and cooling efficiency.
- Use compressed air or a soft brush to remove dust.

5.2 General Cleaning

- Wipe the exterior of the case with a soft, damp cloth. Avoid abrasive cleaners.
- For the tempered glass panel, use a glass cleaner and a microfiber cloth to prevent scratches.

6. TROUBLESHOOTING

If you encounter issues with your PC case, consider the following common troubleshooting steps:

- **No Power:** Ensure all power cables (PSU to wall, PSU to motherboard, PSU to components) are securely connected. Check the power switch on the PSU.
- **Fans Not Spinning/RGB Not Working:** Verify that the fan power cables and RGB cables are correctly connected to the motherboard or a fan/RGB controller. Consult your motherboard manual for proper header connections.
- **Overheating:** Ensure all fans are spinning correctly and are oriented to provide adequate airflow (intake/exhaust). Clean dust filters regularly. Check CPU cooler and GPU temperatures using monitoring software.
- **Front Panel Ports Not Working:** Check that the front panel I/O cables (USB, Audio, Power/Reset) are correctly connected to the corresponding headers on your motherboard.

For more complex issues, consult the manuals for your individual PC components (motherboard, GPU, PSU) or seek professional assistance.

7. WARRANTY AND SUPPORT

7.1 Warranty Information

The AeroCool HEXFORMBKV2 PC case comes with a **2-year warranty** for parts. Please retain your proof of purchase for warranty claims.

7.2 Technical Support

For technical assistance, product inquiries, or warranty claims, please visit the official AeroCool website or contact their customer support. You can typically find contact information on the manufacturer's website or in the product packaging.

- **AeroCool Official Website:** www.aerocool.io
- **Customer Support Email:** support@aerocool.io (Example, please verify on official website)