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COUGAR FV270

COUGAR FV270 MidTower E-ATX Case Instruction Manual

Model: FV270 (Non-RGB, White)

Brand: COUGAR

Introduction | Features | Package Contents | Setup Guide | Operating Instructions | Maintenance | Troubleshooting | Specifications | Warranty & Support

1. Introduction

The COUGAR FV270 MidTower E-ATX Case (Non-RGB, White) is designed for high-performance PC builds, offering extensive compatibility and optimized airflow. Its unique polyhedral design and tempered glass panels provide both aesthetic appeal and functional benefits for advanced computing setups.

2. Key Features

- **Panoramic Tempered Glass:** Curved glass perimeter amplifies transparency and brilliance for an epic view of internal components.
- **Optimized Airflow:** Angled cooling fan placements focus airflow in uninterrupted, continuous streams.
- **Enhanced Air Intake:** Additional air intake is accessed by a lifted front design, allowing ventilation from below.
- **Reverse Cable Management:** Designed to eliminate clutter by concealing cables behind the motherboard tray.
- **Broad Compatibility:** Compatible with E-ATX motherboards and accommodates GPUs up to 420mm, with rotatable brackets for horizontal/vertical orientation options.
- **Effective Dust Filtration:** Strategically positioned and easily removable filters guard against dust infiltration.
- **Tool-Less Design:** Easily detachable top and bottom brackets streamline setup and open up interior space.

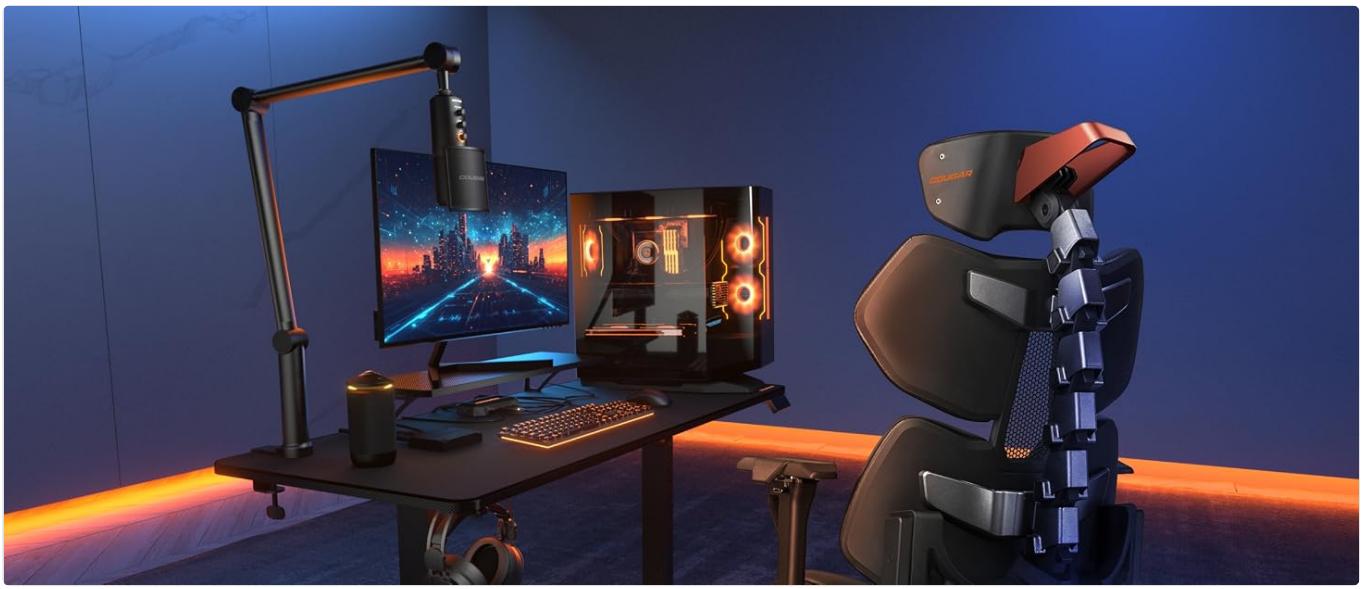


Image: The COUGAR FV270 case showcasing its panoramic tempered glass design and internal component visibility.

3. Package Contents

Please check the package for the following items:

- COUGAR FV270 MidTower E-ATX Case (Non-RGB, White)
- Accessory Box (containing various screws, an extra thumbscrew, and other small components)
- User Manual (physical document)
- Perforated Cover (for optional fan placement)
- PSU Adapter Bracket
- Pre-installed Fans (quantity and type as per specifications)
- Rotatable GPU Brackets (for horizontal/vertical mounting)
- Removable Dust Filters (top, bottom, front)

4. Setup Guide

Follow these steps to set up your COUGAR FV270 case:

4.1. Removing Panels

1. **Side Glass Panel:** Gently pull the side tempered glass panel outwards from the bottom edge to detach it. Handle with care.
2. **Top Panel:** Loosen the two thumbscrews at the rear of the top panel. Slide the panel backward and lift to remove.
3. **Front Panel:** The front panel is designed for easy removal. Gently pull from the bottom to detach it, revealing the pre-installed fans and dust filter.
4. **Rear Side Panel:** Gently pull the solid rear side panel outwards from the bottom edge to detach it.



Image: Illustration of the tool-less detachable top and bottom brackets for easy installation.

4.2. Motherboard Installation

- The FV270 supports E-ATX, ATX, Micro-ATX, and Mini-ITX motherboards.
- Align your motherboard with the standoffs inside the case and secure it with the provided screws.

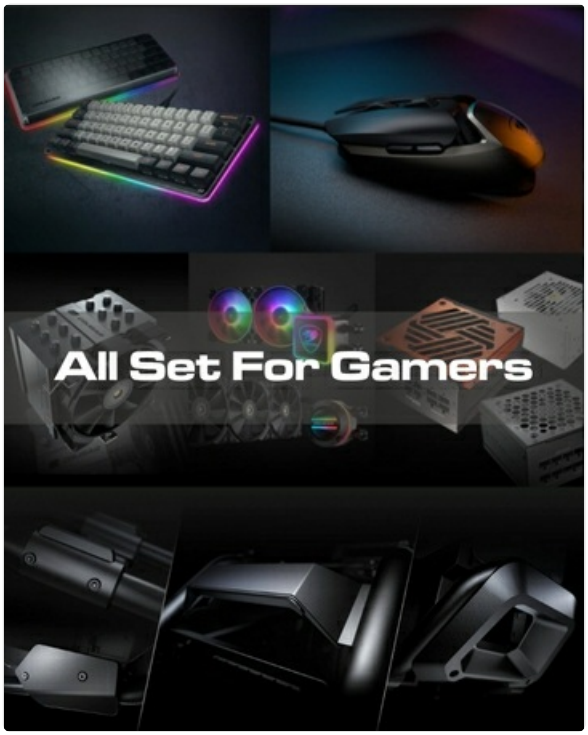


Image: Diagram showing compatibility with E-ATX and ATX motherboards within the FV270 case.

4.3. GPU Installation

- The case accommodates GPUs up to 420mm.
- Utilize the rotatable brackets for horizontal or vertical GPU orientation as desired.

4.4. Storage Installation

- The FV270 can house up to 4 x 2.5" SSD drives and 2 x 3.5" HDD drives.

- Mount your SSDs and HDDs using the provided tool-less brackets and designated bays.



Image: Internal view of the COUGAR FV270 case highlighting the available mounting locations for 2.5" SSDs and 3.5" HDDs.

4.5. PSU Installation

- Install your power supply unit (PSU) in the designated front mount area.
- Use the PSU adapter bracket if necessary for proper fitment.

4.6. Cable Management

- Utilize the reverse cable management system to route and secure cables behind the motherboard tray, ensuring a clean interior.

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5. Operating Instructions

5.1. Front I/O Ports

The front I/O panel includes:

- 2 x USB 3.0 ports
- 1 x USB-C port
- Audio jacks (headphone/microphone)
- Power button
- Reset button (Note: On some RGB models, this button may control RGB lighting effects instead of system reset.)



Image: Close-up view of the COUGAR FV270 case's top I/O panel, showing USB 3.0 and USB-C ports, and power/reset buttons.

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6. Maintenance

6.1. Dust Filter Cleaning

The COUGAR FV270 features strategically positioned and easily removable dust filters to protect your components.

1. Locate the dust filters on the top, bottom, and front of the case.
2. Gently detach each filter.
3. Clean the filters using compressed air or by rinsing them with water. Ensure they are completely dry before reattaching.
4. Reattach the filters securely to prevent dust ingress.



Image: Exploded view of the COUGAR FV270 case showing the location and easy removal of its dust filters.

7. Troubleshooting

- **No Power:** Ensure all power cables (PSU to wall, PSU to motherboard, components) are securely connected. Check the power switch on the PSU.
- **Fans Not Spinning:** Verify fan cables are correctly connected to the motherboard or fan controller. Check BIOS settings for fan control.
- **Overheating:** Ensure all fans are spinning correctly and dust filters are clean. Verify proper thermal paste application on the CPU. Check for adequate airflow within the case.
- **Loose Panels:** Ensure all panels are correctly aligned and secured with thumbscrews or clips.

8. Specifications

Feature	Detail
Brand	COUGAR
Model Name	FV270 White
Case Type	Mid Tower
Motherboard Compatibility	Extended ATX
Color	White
Material	Tempered Glass
Item Weight	31.8 pounds
Product Dimensions (LxWxH)	20.2 x 10.6 x 20.9 inches
GPU Support	Up to 420mm (with rotatable brackets)
Storage Bays	4 x 2.5" SSD, 2 x 3.5" HDD
Cooling Method	Air, Water
Fan Size	120mm, 140mm (pre-installed fans may vary)
Front I/O	2 x USB 3.0, 1 x USB-C, Audio (Headphone/Mic)

9. Warranty & Support

For warranty information, technical support, or to download the latest drivers and software, please visit the official COUGAR website:

Official Website: cougargaming.com

Service Contact: cougargaming.com/contact2

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