

## COUGAR FV150

# COUGAR FV150 RGB Mid Tower Gaming Case User Manual

Model: FV150  
Brand: COUGAR

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your COUGAR FV150 RGB Mid Tower Gaming Case. Please read this manual thoroughly before beginning assembly to ensure proper setup and optimal performance.

## KEY FEATURES

- **Dual-Chamber Design:** Separates components for aesthetics and efficient cable management.
- **GPU Support:** Accommodates graphics cards up to 400mm in length, including options for vertical orientation.
- **Motherboard Compatibility:** Supports Mini-ITX, Micro-ATX, and ATX motherboards, offering flexibility for various build types.
- **Engineered Bottom Fan Bracket:** Simplifies fan installation by allowing fans to be attached prior to mounting.
- **Extensive Fan and Radiator Support:** Multiple fan and radiator configurations for optimal cooling performance.
- **Seamless RGB Synchronization:** Integrated universal fan hub provides easy ARGB lighting control without additional software.
- **I/O Panel:** Includes 2 x USB Type-A and 1 x USB 3.2 Type-C ports for convenient access.
- **Storage Flexibility:** Supports various HDD and SSD configurations to meet your storage needs.
- **Dust Filters:** Magnetic dust filters on the top and right side, plus a ventilated bottom cover, for easy maintenance.

## SETUP INSTRUCTIONS

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### 1. Unpacking and Inspection

Carefully remove the case from its packaging. Inspect the case for any signs of damage that may have occurred during transit.



Image: Front-side view of the COUGAR FV150 RGB Gaming Case, showcasing the tempered glass panel and pre-installed ARGB fans.

### 2. Accessing the Interior

Remove the side panels to gain access to the interior for component installation. The tempered glass panel is typically secured with thumbscrews or a latch mechanism.

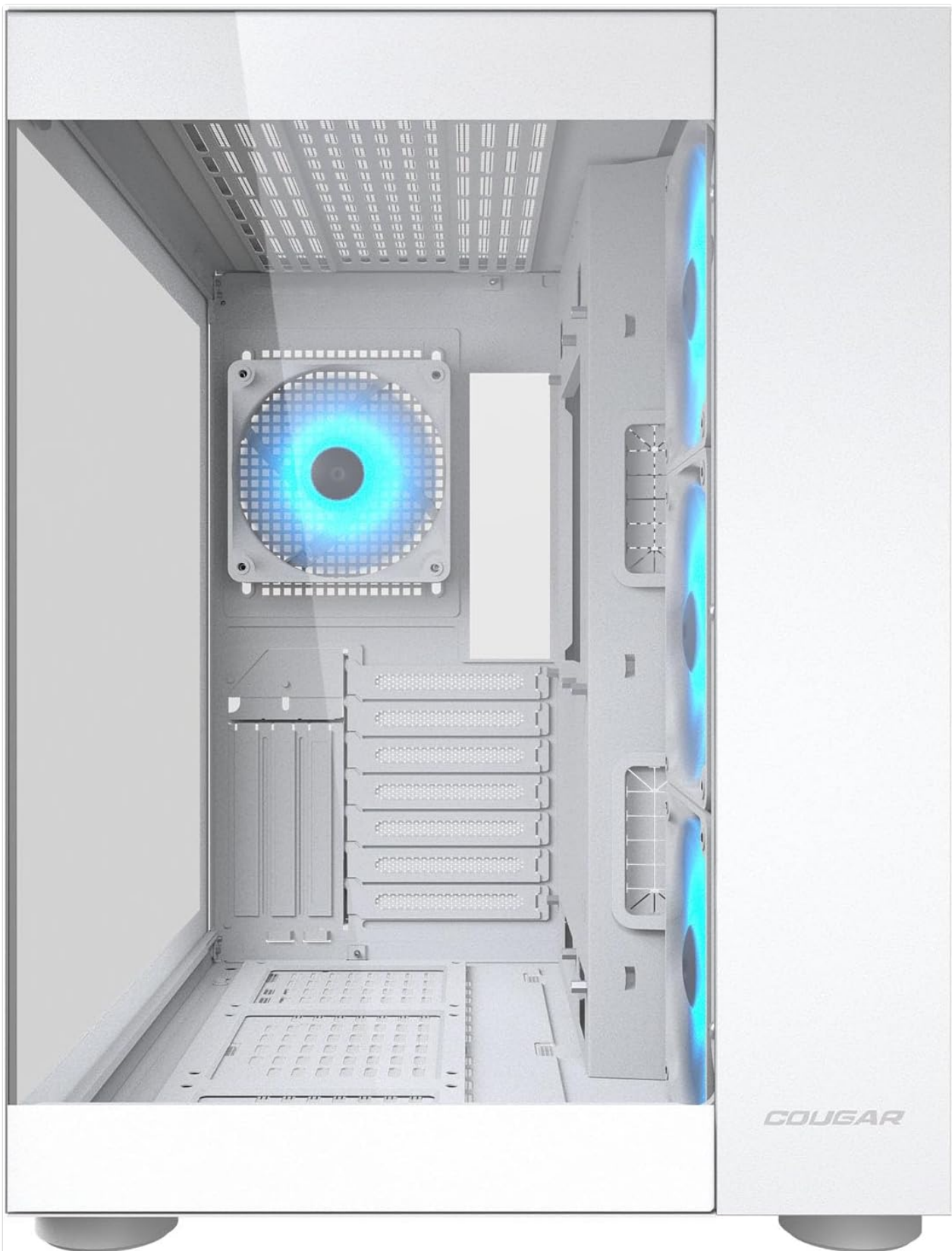


Image: Front view of the COUGAR FV150 RGB Gaming Case, highlighting the front panel design and fan visibility.

### 3. Motherboard Installation

Install the appropriate standoffs for your motherboard size (ATX, Micro-ATX, Mini-ITX). Carefully place the motherboard into the case and secure it with screws.



Image: Interior view of the COUGAR FV150 RGB Gaming Case, showing the motherboard tray and fan mounting points.

#### 4. Power Supply Unit (PSU) Installation

The FV150 RGB supports bottom-mount PSUs. Install your PSU into the dedicated compartment, typically at the rear bottom of the case.





Image: Rear view of the COUGAR FV150 RGB Gaming Case, illustrating the PSU mounting area and expansion slots.

## 5. Storage Drive Installation

Install 3.5" HDDs and 2.5" SSDs in the designated bays. The dual-chamber design allows for discreet placement of storage drives.



Image: Interior view of the COUGAR FV150 RGB Gaming Case, showing the hidden compartment for storage drives and PSU.

## 6. Fan and Radiator Installation

The case supports various fan and radiator configurations. Utilize the engineered bottom fan bracket for easier installation of bottom fans.

# Easy Fan Installation

We've prioritized user convenience with an engineered bottom fan bracket that lets you attach your fans directly to the bracket before installation, saving you time and effort during setup.



Image: A hand demonstrating the easy installation of fans using the engineered bottom fan bracket in the COUGAR FV150 RGB Gaming Case.

# Dual Chamber

Display your build with pride in the primary glass chamber while concealing hardware within the secondary chamber for a clean look.



Image: Diagram illustrating the fan and radiator mounting options within the COUGAR FV150 RGB Gaming Case.

## 7. Graphics Card (GPU) Installation

Install your graphics card into the appropriate PCIe slot. The case supports GPUs up to 400mm and offers vertical mounting options (requires an additional bracket, not included).



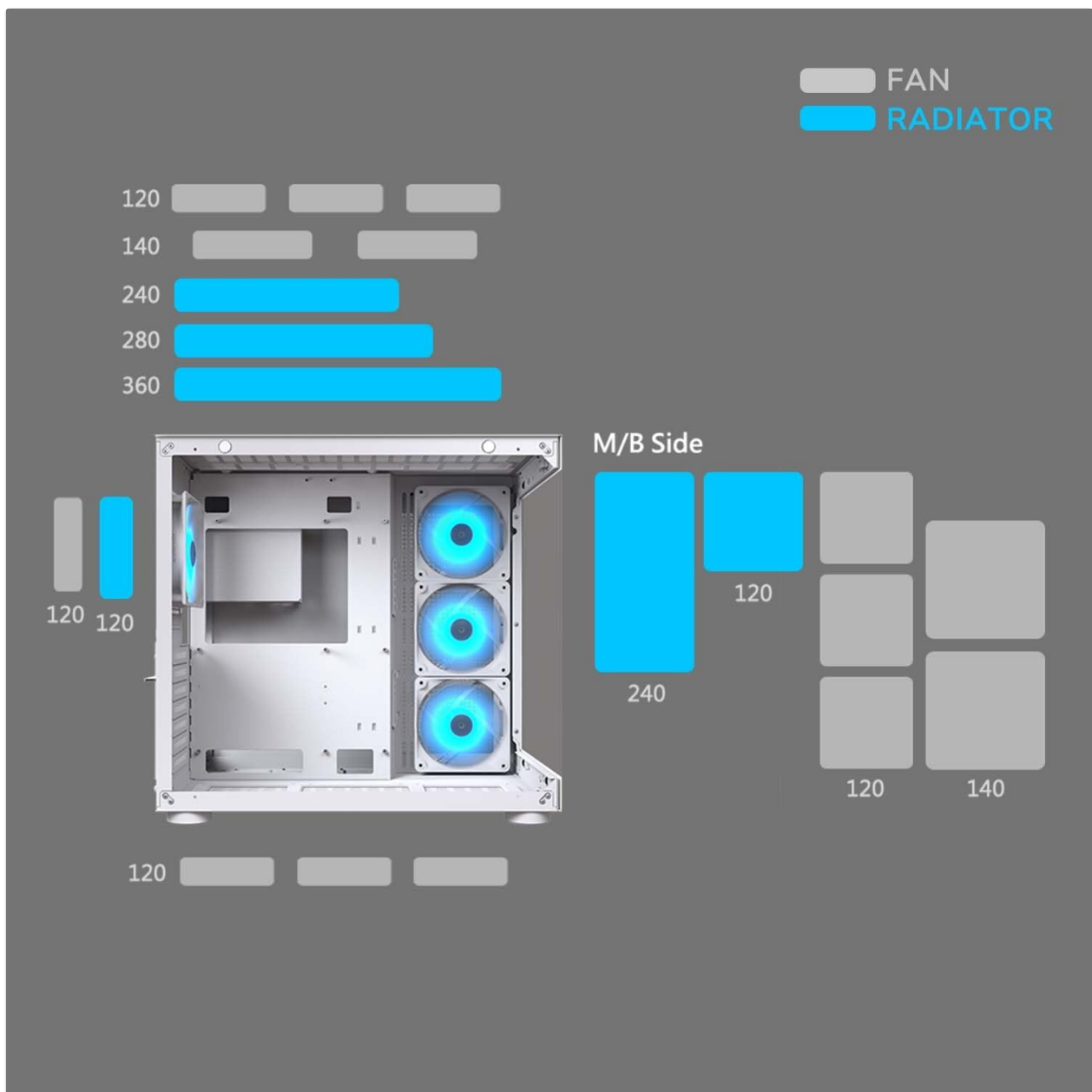


Image: Interior view of the COUGAR FV150 RGB Gaming Case with a graphics card and other components installed, showcasing the dual-chamber design.

## 8. Cable Management

Utilize the secondary chamber and cable routing cutouts to manage cables for a clean and organized build, enhancing airflow and aesthetics.



Image: Interior view of the COUGAR FV150 RGB Gaming Case, illustrating the cable management space behind the motherboard tray.

## 9. Connecting Front I/O

Connect the front panel connectors (USB, audio, power, reset) to your motherboard according to your motherboard manual. The I/O panel includes 2 x USB Type-A and 1 x USB 3.2 Type-C ports.

# Versatile GPU Options

With up to 400mm GPU clearance and support for vertical orientation, the FV150 RGB fully accommodates high-performance components for modern gaming.



Image: Top view of the COUGAR FV150 RGB Gaming Case, showing the front I/O panel with USB ports and power button.

## OPERATING INSTRUCTIONS

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### 1. Powering On

After all components are installed and cables connected, close the side panels. Connect the power cable to the PSU and press the power button on the case's front I/O panel.

### 2. RGB Lighting Control

The pre-installed ARGB fans are connected to an integrated universal fan hub. This hub allows for synchronization of RGB lighting. Refer to your motherboard's software or dedicated RGB controller for specific lighting effects and color adjustments.

## MAINTENANCE

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### 1. Dust Filter Cleaning

The FV150 RGB features magnetic dust filters on the top and right side, along with a ventilated bottom cover.

Regularly remove and clean these filters to maintain optimal airflow and prevent dust buildup.

1. Gently pull the magnetic dust filters off the top and right side panels.
2. Clean the filters using compressed air or by rinsing them with water. Ensure they are completely dry before reattaching.
3. For the bottom ventilated cover, wipe it clean with a damp cloth.

## TROUBLESHOOTING

### Common Issues and Solutions:

- **No Power:** Ensure all power cables (24-pin ATX, 8-pin CPU, PCIe, SATA) are securely connected. Check that the PSU switch is in the 'ON' position.
- **Fans Not Spinning/RGB Not Working:** Verify fan and RGB cables are correctly connected to the fan hub and motherboard. Check motherboard BIOS settings for fan control.
- **No Display:** Confirm the graphics card is properly seated in the PCIe slot and power cables are connected. Ensure the monitor cable is connected to the graphics card, not the motherboard.
- **Overheating:** Check fan orientation for proper airflow (intake/exhaust). Ensure dust filters are clean. Verify the CPU cooler is properly installed.

## SPECIFICATIONS

Feature	Detail
Brand	COUGAR
Model Name	FV150 RGB White
Case Type	Mid Tower
Motherboard Compatibility	Mini ITX, Micro ATX, ATX
GPU Clearance	Up to 400mm
PSU Mounting Type	Bottom Mount
Pre-installed Fans	3 x 120mm ARGB (Side), 1 x 120mm ARGB (Rear)
Fan Support (Top)	3 x 120mm or 2 x 140mm
Fan Support (Bottom)	3 x 120mm or 2 x 140mm
Fan Support (Side)	3 x 120mm
Radiator Support (Top)	Max 360mm
Radiator Support (Side)	Max 240mm
I/O Panel	2 x USB Type-A, 1 x USB 3.2 Type-C
Storage Bays	1 x 3.5" HDD & 2 x 2.5" SSDs, or 1 x 2.5" SSD & 2 x 3.5" HDDs






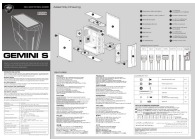

Feature	Detail
Special Features	Dual-Chamber Design, Built-In Fan, Dust Filter, RGB Lighting
Product Dimensions	41.5 x 40 x 30 cm
Material	Metal

## WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official COUGAR website or contact their customer service. Keep your proof of purchase for warranty claims.  
Official COUGAR Website: [cougargaming.com](http://cougargaming.com)

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### Related Documents - FV150

	<a href="#">COUGAR FV150 PC Case: Assembly Guide, Features, and Specifications</a> Comprehensive guide for the COUGAR FV150 PC case, detailing its features, assembly instructions, technical specifications, I/O connectors, accessory kit, lighting controls, and global warranty policy.
	<a href="#">COUGAR FV150 PC Case: Features, Specifications, and Installation Guide</a> Comprehensive guide for the COUGAR FV150 PC case, detailing its features, specifications, assembly instructions, I/O connectors, accessory kit, lighting modes, and warranty information. Learn how to build your PC with this dual-chamber mid-tower chassis.
	<a href="#">COUGAR FV150 MINI PC Case User Manual and Specifications</a> Detailed user manual and specifications for the COUGAR FV150 MINI PC case, covering features, assembly, installation of components like HDDs, SSDs, GPUs, cooling, and warranty information.
	<a href="#">COUGAR Gemini S Advanced Gaming Mid-Tower Case with RGB Lighting</a> Detailed overview of the COUGAR Gemini S, an advanced gaming mid-tower PC case featuring a full-sized tempered glass cover, integrated RGB lighting system, excellent component support for graphics cards and cooling, and ample storage options. Includes specifications, assembly instructions, and warranty information.
	<a href="#">COUGAR MX360 RGB Mid Tower PC Case - Assembly and Specifications</a> Detailed assembly instructions, technical specifications, and features for the COUGAR MX360 RGB mid-tower PC case, highlighting its ARGB lighting, cooling support, and component compatibility.



### [COUGAR MX330-G PRO Mid Tower Case User Manual and Installation Guide](#)

Comprehensive guide for the COUGAR MX330-G PRO Mid Tower Case, covering features, specifications, assembly instructions, and global warranty policy. Learn how to install components like fans, radiators, HDDs, and SSDs.