

Fractal Design FD-C-EPO1A-02

Fractal Design Epoch Black Tempered Glass PC Gaming Case

Instruction Manual

1. INTRODUCTION AND OVERVIEW

The Fractal Design Epoch Black Tempered Glass PC Gaming Case is engineered to combine a clean, contemporary design with advanced airflow capabilities. It features a mesh front panel and an optimized interior layout to ensure efficient cooling for high-performance components. This manual provides essential information for the assembly, operation, and maintenance of your new PC case.



Figure 1.1: Front-side view of the Fractal Design Epoch Black Tempered Glass PC Gaming Case, showcasing its minimalist design and mesh front panel.



Figure 1.2: The Epoch case integrated into a typical gaming or workstation setup, highlighting its compact and aesthetic presence.

2. KEY FEATURES

- **Contemporary Design:** Features clean lines, a tidy interior, and subtle design details like a laser-etched aluminum badge.
- **High-Performance Cooling:** Includes three pre-installed Momentum 12 fans with LCP blades and true FDB bearings for powerful and quiet cooling.
- **Optimized Airflow:** Ventilated top and front mesh panels, combined with a clean interior layout, promote natural and efficient airflow.
- **Extensive Component Support:** Accommodates GPUs up to 372 mm in length (345 mm with a front-mounted radiator) and supports up to a 240 mm top-mounted radiator or a 360 mm front-mounted radiator for enhanced thermal performance.
- **Tempered Glass Side Panel:** Provides a clear view of your internal components.

3. PACKAGE CONTENTS

Please verify that all components are present and undamaged upon opening the package.

- Fractal Design Epoch Black Tempered Glass PC Gaming Case
- Three (3) Momentum 12 Fans (pre-installed)
- Accessory Box (containing screws, zip ties, and other mounting hardware)
- User Manual (this document)

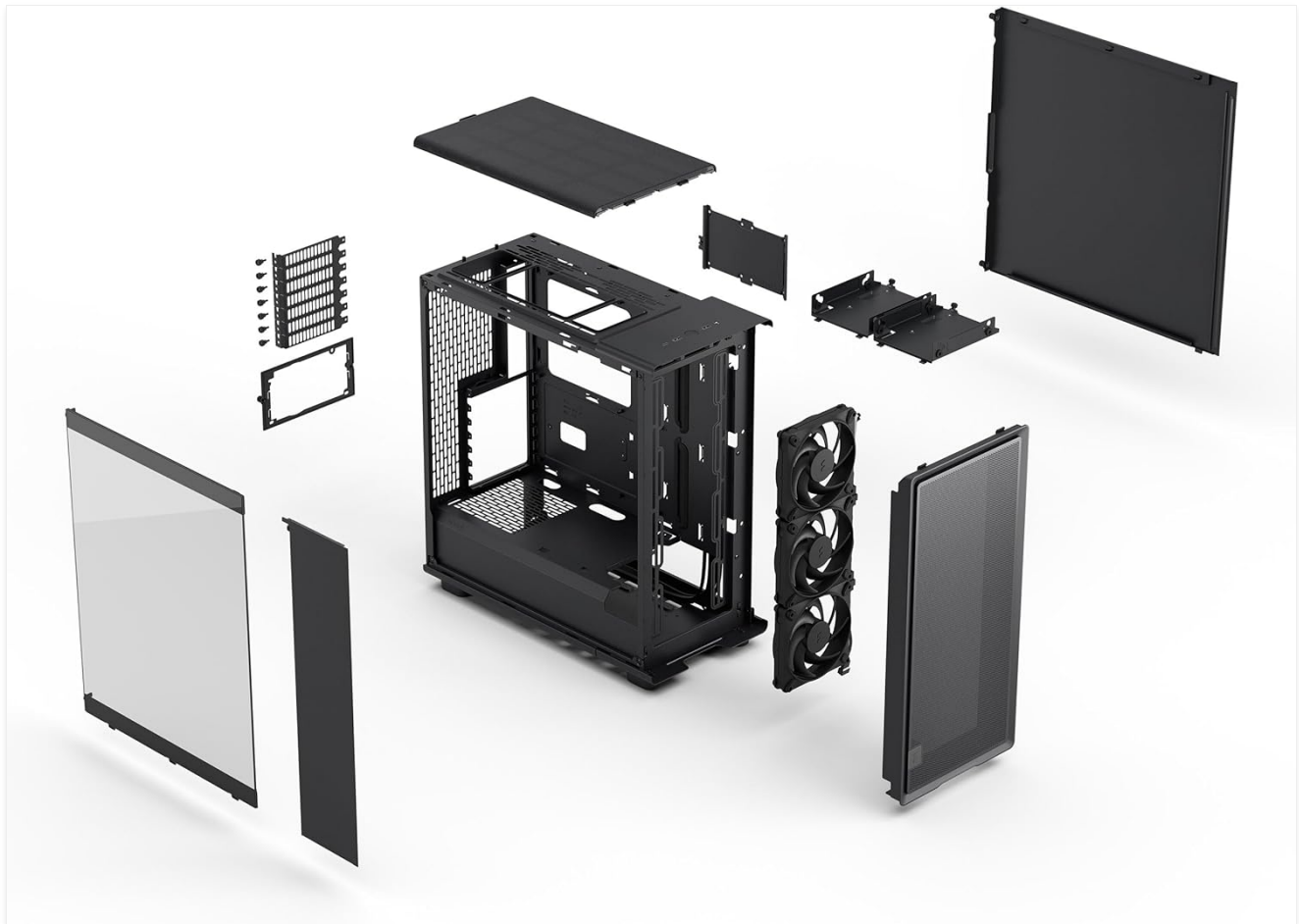


Figure 3.1: An exploded view illustrating the main components of the Epoch case, including panels, fans, and the chassis structure.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your PC components into the Epoch case.

4.1 Preparing the Case

1. Place the case on a flat, stable surface.
2. Remove the tempered glass side panel by unscrewing the thumbscrews at the rear and carefully pulling the panel away.
3. Remove the solid side panel (if applicable) and the mesh front panel to gain full access to the interior.

4.2 Motherboard Installation

1. Ensure the correct standoffs are installed for your motherboard form factor (ATX, Micro ATX, Mini ITX).
2. Carefully align your motherboard with the standoffs and the I/O shield opening at the rear.
3. Secure the motherboard with the provided screws.

4.3 Component Installation

- **Graphics Card (GPU):** Install your graphics card into the appropriate PCIe slot on the motherboard. Secure it with the expansion slot screws. The case supports GPUs up to 372 mm in length.
- **Storage Drives:** Install 2.5" SSDs or 3.5" HDDs into the designated drive bays. The case offers dedicated mounting points for 2.5" drives behind the motherboard tray.
- **Power Supply Unit (PSU):** Mount your PSU in the bottom compartment of the case. Secure it with screws from the rear.
- **Radiators/Additional Fans:** If installing additional cooling, refer to the specifications for supported sizes and locations (e.g., up to 360mm front, 240mm top).



Figure 4.1: The interior of the Epoch case, highlighting the cable routing channels and tie-down points for a clean build.

4.4 Cable Management

Utilize the cable routing channels and Velcro straps behind the motherboard tray to manage cables effectively. This

improves airflow and aesthetics.



Figure 4.2: The rear panel of the Epoch case, displaying the motherboard I/O cutout, expansion slots, and PSU mounting area.

5. OPERATING THE PC CASE

Once all components are installed and connected, reattach all panels. Connect your peripherals and power cable to the PSU. Press the power button located on the top I/O panel to start your system.

5.1 Front I/O Panel

The top I/O panel provides convenient access to essential ports:

- Power Button
- USB 3.0 Port (x1)
- Audio In/Out Jacks



Figure 5.1: Top-down view of the Epoch case, highlighting the accessible front I/O panel with USB and audio ports.

5.2 Airflow Considerations

The Epoch case is designed for optimal airflow. Ensure adequate space around the case for proper ventilation, especially at the front and top mesh panels. The pre-installed Momentum 12 fans are configured for efficient cooling.

6. MAINTENANCE

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

- **Dust Filters:** The Epoch case features removable dust filters on the front and bottom. Periodically remove and clean these filters with compressed air or water (ensure they are completely dry before reinstallation).
- **Interior Cleaning:** Use compressed air to remove dust from internal components such as fans, heatsinks, and the motherboard. Ensure the system is powered off and unplugged before cleaning.

- **Exterior Cleaning:** Wipe the exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners or solvents.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
System does not power on	Loose power cables, faulty PSU, incorrect front panel header connection	Check all power connections (PSU, motherboard, components). Verify front panel power switch connection to motherboard. Test PSU if possible.
Overheating components	Poor airflow, dust buildup, fan malfunction	Ensure case fans are spinning correctly. Clean dust filters and interior. Verify proper component seating (CPU cooler, GPU).
Fans are noisy	Dust buildup, loose fan screws, fan bearing issue	Clean fans. Tighten fan mounting screws. If noise persists, consider replacing the fan.
Front I/O ports not working	Loose internal cable connections	Check USB and audio header connections from the front I/O panel to the motherboard.

8. SPECIFICATIONS

Feature	Specification
Model Name	Epoch Black
Model Number	FD-C-EPO1A-02
Case Type	Mid Tower
Motherboard Compatibility	ATX, Micro ATX, Mini ITX
Dimensions (LxWxH)	17.6 x 8.5 x 18.5 inches (447 x 216 x 470 mm)
Item Weight	20.6 pounds (9.36 kg)
Material	Metal, Tempered Glass
Color	Black - TG (Tempered Glass)
Pre-installed Fans	3x Momentum 12 Fans
Front Radiator Support	Up to 360 mm
Top Radiator Support	Up to 240 mm
GPU Clearance	Up to 372 mm (345 mm with front radiator)
PSU Mounting Type	Bottom Mount

Feature	Specification
Front I/O Ports	1x USB 3.0, Audio In/Out

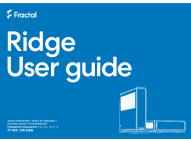

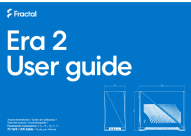

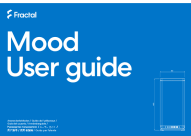
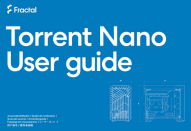
9. WARRANTY AND SUPPORT

Fractal Design products are manufactured to the highest quality standards. For specific warranty terms and conditions, please refer to the warranty information included with your product or visit the official Fractal Design website.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Fractal Design customer support through their official website:

www.fractal-design.com/support/

Related Documents - FD-C-EPO1A-02

	<p>Fractal Design Ridge PC Case User Manual and Builder's Guide</p> <p>Comprehensive guide for the Fractal Design Ridge PC case, covering specifications, assembly, configurations (air/water cooling, home theater), accessories, and support. Optimize your compact PC build.</p>
	<p>Fractal Design North PC Case User Guide: Specs & Build Instructions</p> <p>Official user guide for the Fractal Design North ATX Airflow Mid Tower PC Gaming Case. Features include detailed specifications, component overview, and building instructions for PC enthusiasts. Learn about its Chalk White and Wood Oak variants, mesh side panels, and compatibility with ATX, mATX, and Mini-ITX motherboards.</p>
	<p>Fractal Era 2 User Guide: PC Case Assembly and Specifications</p> <p>Detailed user manual for the Fractal Era 2 computer case, covering specifications, component overview, step-by-step building instructions, optional configurations, and support resources from Fractal Design.</p>
	<p>Fractal Epoch PC Case User Guide and Builder's Guide</p> <p>Comprehensive user guide and builder's guide for the Fractal Epoch PC case. Includes detailed specifications, case overview, installation instructions, optional steps, and support resources for PC enthusiasts. Visit fractal-design.com for more information.</p>
	<p>Fractal Design Mood PC Case User and Builder's Guide</p> <p>Comprehensive user and builder's guide for the Fractal Design Mood PC case, detailing specifications, assembly instructions, configuration options, and support information.</p>
	<p>Fractal Design Torrent Nano User Guide</p> <p>This user guide provides comprehensive information for the Fractal Design Torrent Nano PC case, detailing specifications, component compatibility, and build configurations for optimal airflow and performance.</p>

