

Fractal Design Pop Silent

Fractal Design Pop Silent Black Solid ATX Silent PC Case User Manual

Model: Pop Silent (FD-C-POS1A-01)

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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Fractal Design Pop Silent Black Solid ATX Silent PC Case. Designed for optimal noise reduction and efficient component housing, this case offers a clean aesthetic and practical features for building a high-performance, quiet computer system.



Figure 1.1: Front-side view of the Fractal Design Pop Silent Black Solid ATX PC Case.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating your PC case. Failure to do so may result in personal injury or damage to your equipment.

- Always disconnect the power supply from the wall outlet before performing any installation, maintenance, or troubleshooting.
- Handle all components with care to prevent damage.
- Avoid exposing the case to moisture or extreme temperatures.
- Keep small parts and tools away from children.

- Ensure proper grounding to prevent electrostatic discharge (ESD) damage to sensitive components.

3. PACKAGE CONTENTS

Verify that all items are present in your package. If any items are missing or damaged, please contact your retailer or Fractal Design support.

- Fractal Design Pop Silent Black Solid ATX PC Case
- Accessory box with screws, zip ties, and mounting hardware
- Three (3) pre-installed 120mm Aspect fans
- User Manual (this document)

4. SETUP AND INSTALLATION

Follow these steps to install your computer components into the Fractal Design Pop Silent case.

4.1. Preparing the Case

1. Remove the side panels. For the solid side panel, unscrew the thumbscrews at the rear and slide the panel backward.
2. Identify the accessory box containing all necessary screws and mounting hardware.

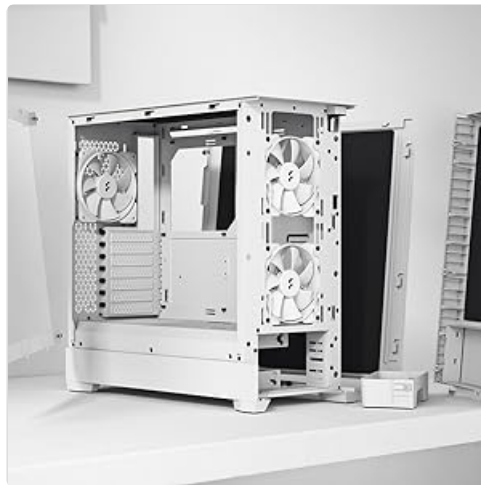


Figure 4.1: Internal view of the case with side panels removed, showing fan mounts and internal structure. (Image shows white variant for illustration)

4.2. Motherboard Installation

- The Pop Silent case accommodates ATX, mATX, and Mini ITX motherboards.
- Install the I/O shield (if not pre-attached to your motherboard).
- Align your motherboard with the pre-installed standoffs. Additional standoffs may be required for smaller form factors; install them as needed.
- Secure the motherboard using the appropriate screws from the accessory box.

4.3. Storage Device Installation

The case supports up to three 3.5" HDDs and six 2.5" SSDs (or two 3.5" HDDs and five 2.5" SSDs with one optical bay in use).

- **3.5" HDD Installation:** Locate the HDD cage beneath the PSU shroud. Slide the HDDs into the trays and secure them with screws.
- **2.5" SSD Installation:** Mount SSDs to the dedicated brackets behind the motherboard tray.
- **5.25" Optical Drive Bays:** The case features two neatly concealed 5.25" bays. Remove the magnetic cover and storage drawer to access them.



Figure 4.2: Illustrates the mounting points for 2.5" SSDs and 3.5" HDDs.



Figure 4.3: The accessible 5.25" bay with its removable storage drawer and magnetic cover.

4.4. Power Supply Unit (PSU) Installation

The PSU mounts from the rear of the case, at the bottom. Slide the PSU into its designated compartment and secure it with screws from the rear.

4.5. Fan Installation and Airflow

The Pop Silent case comes with three 120mm Aspect fans pre-installed for optimal silent operation. Additional fan mounts are available for customization.

- Ensure fans are oriented correctly for intake and exhaust to maintain positive airflow and minimize dust buildup.
- The "Silent" variant features a closed front and top panel design, along with bitumen side panels and sound-damping foam, to reduce noise output.



Figure 4.4: Internal view highlighting fan placement and component layout. (Image shows white variant for illustration)

4.6. Cable Management

Utilize the cable routing channels and tie-down points behind the motherboard tray to organize cables. This improves airflow and maintains a clean interior.



Figure 4.5: Dedicated channels and Velcro straps for efficient cable routing.

4.7. Front I/O Connections

Connect the front panel cables (power switch, reset switch, USB-A, audio jacks) to the corresponding headers on your motherboard. Note that the USB-C port is an optional accessory and not natively active on all models.

4.8. Closing the Case

Once all components are installed and cables are managed, reattach the side panels. Ensure they are securely fastened with the thumbscrews.

5. OPERATING YOUR PC CASE

The Fractal Design Pop Silent case is designed for quiet operation. Its features contribute to a low-noise computing environment.

- **Power On/Off:** Use the power button on the top I/O panel to turn your system on or off.
- **Noise Reduction:** The solid front and top panels, combined with sound-damping materials on the side panels, effectively absorb internal noise.
- **Airflow:** While designed for silence, the case maintains adequate airflow through strategically placed vents and the pre-installed Aspect fans.



Figure 5.1: The Pop Silent case integrated into a typical desk environment. (Image shows white variant for illustration)

6. MAINTENANCE

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

- **Dust Filters:** Periodically clean the removable dust filters located at the front, top, and bottom of the case. This prevents dust buildup inside the system, which can impede cooling.
- **Exterior Cleaning:** Wipe the exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Interior Cleaning:** With the system powered off and unplugged, use compressed air to remove dust from internal components and fan blades.

7. TROUBLESHOOTING

If you encounter issues with your PC case, refer to the following common solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
System does not power on.	Loose power connections, faulty PSU, incorrect front panel wiring.	Check all power cables (PSU to wall, PSU to motherboard/components). Verify front panel power switch connection to motherboard. Test PSU if possible.
Excessive noise from case fans.	Dust buildup, loose fan screws, fan speed settings.	Clean fan blades and dust filters. Ensure fans are securely mounted. Adjust fan curves in BIOS/UEFI or software.
Front panel USB ports not working.	Loose internal USB cable connection to motherboard.	Verify the USB header cable from the front panel is securely connected to the motherboard.

For further assistance, please refer to the [Fractal Design Support website](#).

8. SPECIFICATIONS

Feature	Detail
Model Name	Pop Silent Black - Solid
Item Model Number	FD-C-POS1A-01
Motherboard Compatibility	ATX, mATX, Mini ITX
Case Type	Mid Tower
Color	Black Solid
Material	Steel (Solid side panel)
Item Weight	19.36 pounds (approx. 8.78 kg)
Product Dimensions (LxWxH)	21.65 x 21.65 x 11.81 inches (approx. 550 x 550 x 300 mm)
Cooling Method	Air
Pre-installed Fans	3x 120mm Aspect Fans
Drive Bays	Up to 3x 3.5" HDD, 6x 2.5" SSD (or 2x 3.5" HDD, 5x 2.5" SSD with 1x 5.25" ODD)
5.25" Bays	2 (concealed with storage drawer)
Front I/O	2x USB 3.0, Audio In/Out, Power Button (Optional USB-C)

9. WARRANTY AND SUPPORT

Fractal Design products are covered by a limited warranty. For detailed warranty terms and conditions, please visit the official Fractal Design website.

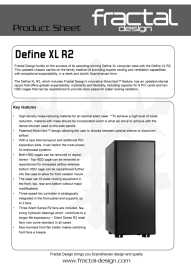


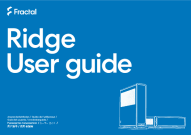


For technical support, FAQs, and driver downloads, please visit:

www.fractal-design.com/support/

You can also contact Fractal Design customer service directly through their website for personalized assistance.

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Related Documents - Pop Silent

	<p>Fractal Design Define XL R2 Computer Case Product Sheet</p> <p>Explore the Fractal Design Define XL R2 computer case with this detailed product sheet. Discover its advanced noise-reduction, ModuVent™ technology, extensive cooling support, and spacious interior designed for high-performance systems.</p>
	<p>Fractal Pop User Guide</p> <p>Comprehensive user guide for the Fractal Pop PC case, covering specifications, assembly, and maintenance. Includes details for both Pop Air and Pop Silent models.</p>
	<p>Fractal Design Pop Mini Computer Case - User and Builder's Guide</p> <p>Comprehensive guide to the Fractal Design Pop Mini PC case, covering features, specifications, and step-by-step assembly instructions for PC builders.</p>
	<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 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 Design Define XL R2 Computer Case User Manual</p> <p>User manual for the Fractal Design Define XL R2 computer case, detailing its features, installation, usability, maintenance, warranty, and support. Designed for silent operation and high performance.</p>

