

NZXT CC-H52FW-R1

NZXT H5 Flow RGB 2024 - Compact ATX Mid-Tower PC Gaming Case Instruction Manual

Model: CC-H52FW-R1

1. PRODUCT OVERVIEW

The NZXT H5 Flow RGB 2024 is a compact ATX mid-tower PC gaming case designed for high airflow and optimal GPU cooling. It features a perforated PSU shroud, mesh panels, and support for large radiators, making it suitable for powerful liquid cooling setups. This model includes pre-installed F360 RGB Core and F120Q fans for out-of-the-box cooling and lighting.



Figure 1: Front view of the NZXT H5 Flow RGB 2024 PC Case, showcasing its sleek design and RGB fans.

Key Features:

- **Exceptional GPU Cooling:** The PSU shroud is perforated on the side and bottom, enabling optimal air intake.
- **Large Radiator Support:** Supports up to a 360mm radiator in front and a 240mm radiator up top for powerful liquid cooling.
- **High-Performance Airflow:** Ultra-fine mesh on the top, front, and side panels ensures maximum airflow and filters dust.
- **Pre-Installed Fans:** Equipped with a front-mounted F360 RGB Core single-frame fan and a rear-mounted F120Q fan for immediate cooling and lighting.
- **Seamless Cable Management:** Wide channels, hooks, and straps facilitate effortless routing and concealment of

cables.

2. SETUP GUIDE

Follow these steps to set up your NZXT H5 Flow RGB 2024 PC case for component installation.

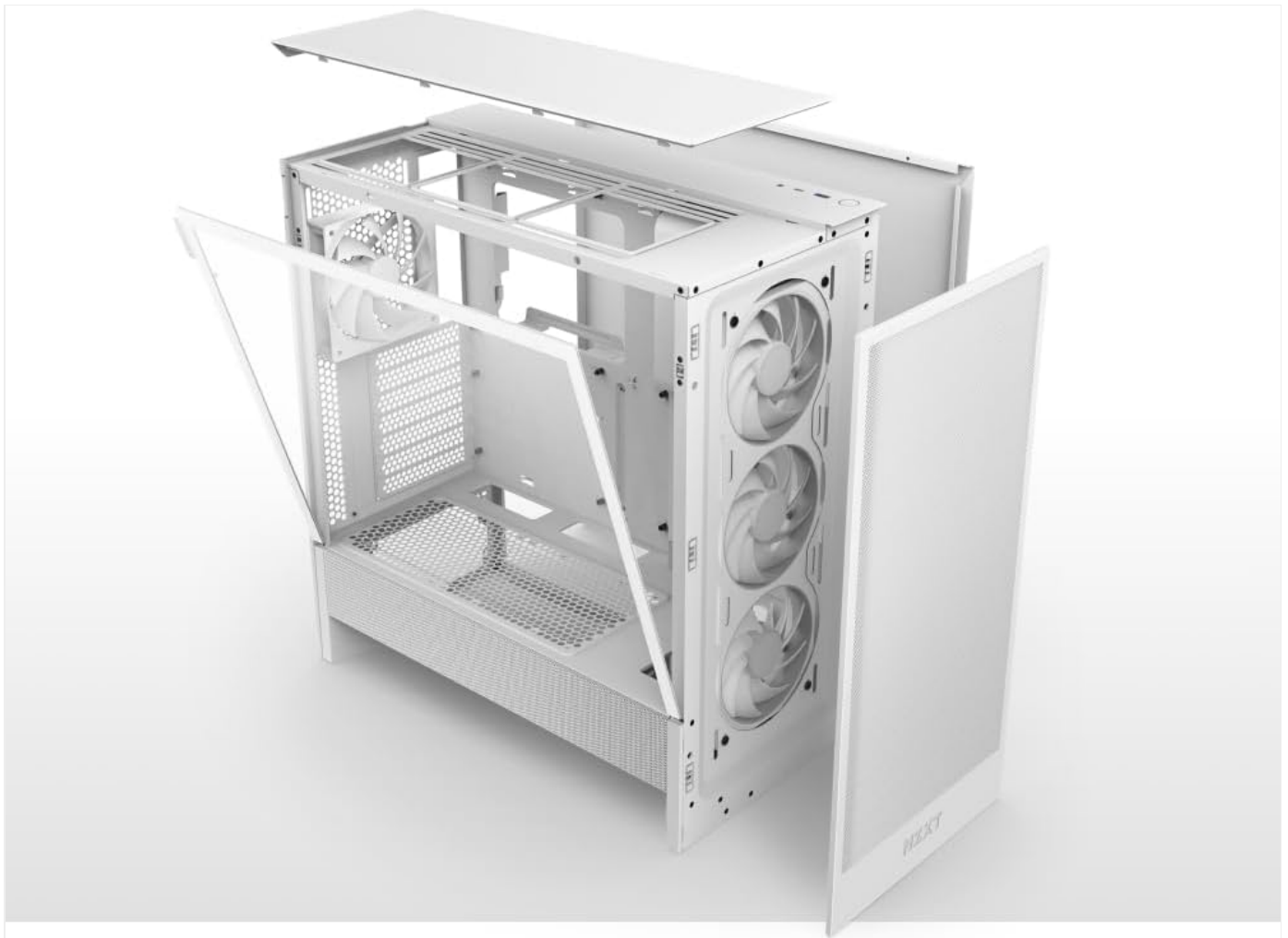
2.1 Unboxing and Initial Inspection

1. Carefully remove the PC case from its packaging.
2. Inspect the case for any signs of damage during transit.
3. Locate the accessory box inside the case, which contains screws, zip ties, and other necessary hardware.

2.2 Panel Removal for Component Installation

The H5 Flow RGB 2024 features tool-less access for easy component installation.

- **Side Panels:** Gently pull the tempered glass side panel to detach it. The solid steel side panel on the opposite side can also be removed easily.
- **Top Panel:** The top mesh panel can be lifted off for access to fan/radiator mounts.
- **Front Panel:** The front mesh panel can be detached for access to front fan/radiator mounts.



TOOL-LESS ACCESS

Easily open up the front, side, and top panels without any tools.

Figure 2: Illustration of the tool-less access feature, showing removable front, side, and top panels.

2.3 Motherboard and Component Installation

1. Install your ATX, Micro-ATX, or Mini-ITX motherboard onto the standoffs.
2. Mount your power supply unit (PSU) in the dedicated shroud area at the bottom.
3. Install your graphics card. The case accommodates full-sized graphics cards.
4. Mount additional fans or radiators as needed. The case supports up to a 360mm radiator in the front and a 240mm radiator on top.



FITS LARGE RADIATORS

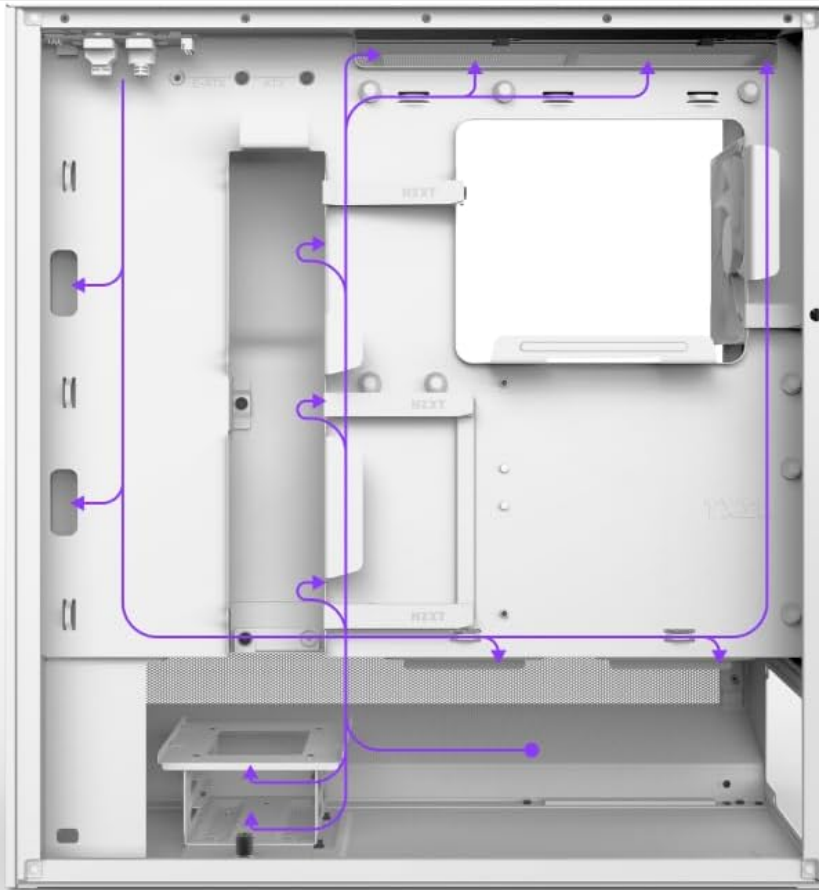
Supports a 360mm radiator in front and a 240mm radiator up top for powerful liquid cooling setups.

Figure 3: Diagram illustrating the case's support for large radiators, up to 360mm in front and 240mm on top.

2.4 Cable Management

Utilize the integrated cable management features for a clean build.

- Route cables through the wide channels behind the motherboard tray.
- Use the included hooks and straps to secure cables and maintain airflow.



EASY CABLE MANAGEMENT

Effortlessly route and conceal cables using the wide channels, hooks, and straps.

Figure 4: Internal view highlighting the cable routing channels, hooks, and straps for organized cable management.

3. OPERATING INSTRUCTIONS

Once all components are installed and connected, you can begin operating your PC.

3.1 Powering On

- Ensure all external cables (power, monitor, peripherals) are securely connected.
- Press the power button located on the top panel of the case.

3.2 Front Panel I/O

The top panel provides convenient access to essential ports:

- **USB 3.0 Ports:** Two USB 3.0 ports for high-speed data transfer.
- **USB 2.0 Ports:** Two USB 2.0 ports for standard peripheral connections.
- **USB Type-C Port:** One USB Type-C port for modern device connectivity.
- **Audio Jack:** A combined audio jack for headphones and microphones.

4. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your PC components.

4.1 Dust Filter Cleaning

The H5 Flow RGB 2024 features ultra-fine mesh panels that act as dust filters. Regular cleaning is recommended.

- To clean, gently remove the front and top mesh panels.
- Use compressed air or a soft brush to remove accumulated dust.
- Wipe down the panels with a damp cloth if necessary, ensuring they are completely dry before reattaching.



OPTIMIZED FOR AIRFLOW

Ultra-fine mesh panels facilitate exceptional airflow and help filter pesky dust particles.

Figure 5: Close-up view of the ultra-fine mesh panels, designed for optimal airflow and dust filtration.

4.2 General Cleaning

- Periodically clean the interior of the case using compressed air to remove dust from fans and components.
- Wipe the exterior surfaces with a soft, lint-free cloth. Avoid abrasive cleaners.

5. TROUBLESHOOTING

This section addresses common issues you might encounter.

5.1 Front Panel I/O Not Functioning

If the power button or front USB/audio ports are not working, check the internal connections.

- Ensure the proprietary 5-pin front panel connector from the case is correctly connected to your motherboard's front panel header. Some motherboards may require a specific adapter if they use a standard ATX 10-pin layout.
- Verify that all USB and audio headers are securely plugged into the motherboard.

5.2 Overheating Issues

If your components are running hotter than expected, consider the following:

- Ensure all case fans are properly installed and functioning, with correct airflow direction (intake/exhaust).
- Clean dust filters and internal components as described in the Maintenance section.
- Verify that your CPU cooler and GPU cooling solutions are adequately installed and making proper contact.

6. SPECIFICATIONS

Detailed technical specifications for the NZXT H5 Flow RGB 2024 PC Case.

Feature	Specification
Brand	NZXT
Model Name	H5 Flow RGB 2024
Item Model Number	CC-H52FW-R1
Case Type	Mid Tower
Motherboard Compatibility	ATX, Micro-ATX, Mini-ITX
Dimensions (LxWxH)	16.93 x 8.86 x 18.31 inches
Item Weight	16.49 pounds
Material	Metal, Tempered Glass
Color	White
Cooling Method	Air
Front Radiator Support	Up to 360mm
Top Radiator Support	Up to 240mm
Pre-installed Fans	1x F360 RGB Core (front), 1x F120Q (rear)
USB 2.0 Ports	2
USB 3.0 Ports	2

USB Type-C Ports	1
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7. WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official NZXT website or contact their customer service directly.

You can find more information and support resources at the official NZXT Store [NZXT Official Store](#)

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question