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BITFENIX BFC-NSE-300-WWGKW-4A

BitFenix Nova Mesh SE 4ARGB High Airflow PC Gaming Case Instruction Manual

MODEL: BFC-NSE-300-WWGKW-4A

1. Product Overview

The BitFenix Nova Mesh SE 4ARGB is a high-airflow PC gaming case designed for optimal cooling performance and aesthetic appeal. It features a premium white finish, a full mesh front panel for superior ventilation, and a tempered glass side panel to showcase your build. This case comes with four pre-installed Addressable RGB (ARGB) fans and a 6+6 controller, offering extensive lighting customization and compatibility with popular motherboard RGB synchronization technologies.

Key Features:

- 4 x Addressable RGB Fans and 6+6 Controller Pre-Installed (LED/PWM system)
- Aura SYNC/Mystic Light/RGB Fusion 2.0/Polychrome SYNC compatibility
- High Density Mesh Front Panel for superior airflow and dust filtration
- Easy Clean with Removable Dust Filters (Top, Front & Bottom)
- Slide Open Tempered Glass Panel with Hinge for easy access
- Removable Modular Hard Drive Cage
- Extensive component support including GPU up to 357mm, AIO up to 360mm, and CPU Air Cooler up to 185mm
- Efficient Cable Management with up to 32.5mm space behind motherboard tray



Figure 1: The BitFenix Nova Mesh SE 4ARGB PC Gaming Case in premium white, highlighting its sleek design and the included ARGB fans.

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Video 1: An official overview of the Nova Mesh SE TG, detailing its features and the pre-installed 4ARGB fans.

2. Specifications

Feature	Specification
Model Name	Nova Mesh SE 4ARGB White Premium GPU Support 357mm
Case Type	Midi Tower
Dimensions (LxWxH)	14.96 x 8.26 x 17.71 inches

Feature	Specification
Item Weight	12.32 pounds
Motherboard Compatibility	ATX (max to 305 x 244 mm), mATX, Mini ITX
GPU Support Length	Up to 357mm (14.0 inch)
CPU Air Cooler Height	Up to 185 mm
AIO Radiator Support (Front)	360/280/240/140/120 mm (Thickness up to 27 mm)
AIO Radiator Support (Top)	280/240mm (Thickness up to 27mm/ width up to 125mm, with height of the memory up to 32 mm)
AIO Radiator Support (Rear)	140/120 mm
Fan Support (Front)	3 x 120 mm or 2 x 140 mm
Fan Support (Top)	2 x 120 mm or 2x 140mm
Fan Support (Rear)	1 x 120 mm or 1x 140mm
Drive Bays	2+1 x 3.5" HDD and 2+1 2.5" SSD
Power Supply Support	ATX & Standard (up to 200 mm, suggest up to 190 mm)
Cable Management Space	Up to 32.5 mm
I/O Ports	2x USB 3.0, Power Button, LED/Reset Button, Audio Jacks

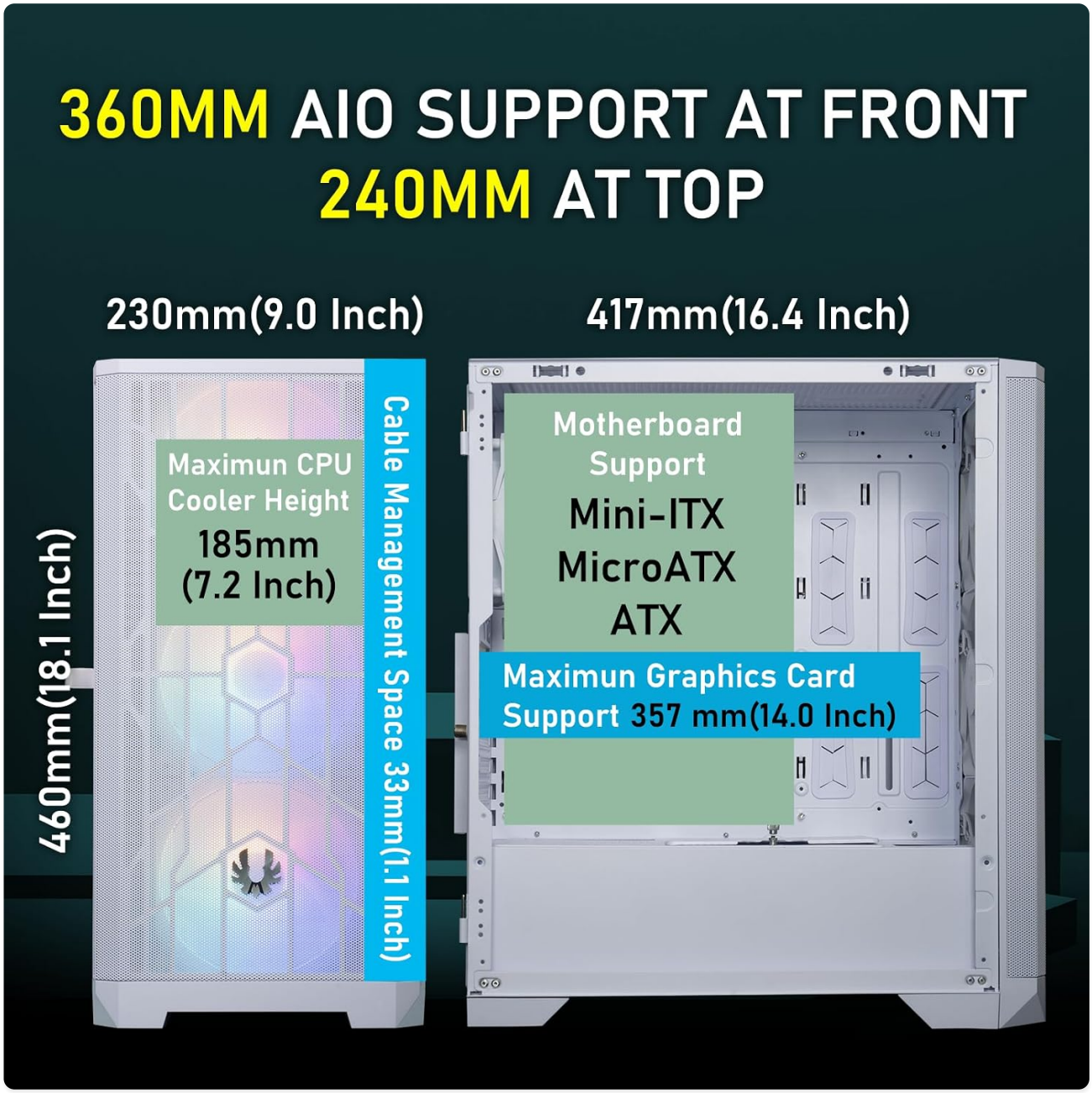


Figure 2: Detailed dimensions and component clearance information for the case.

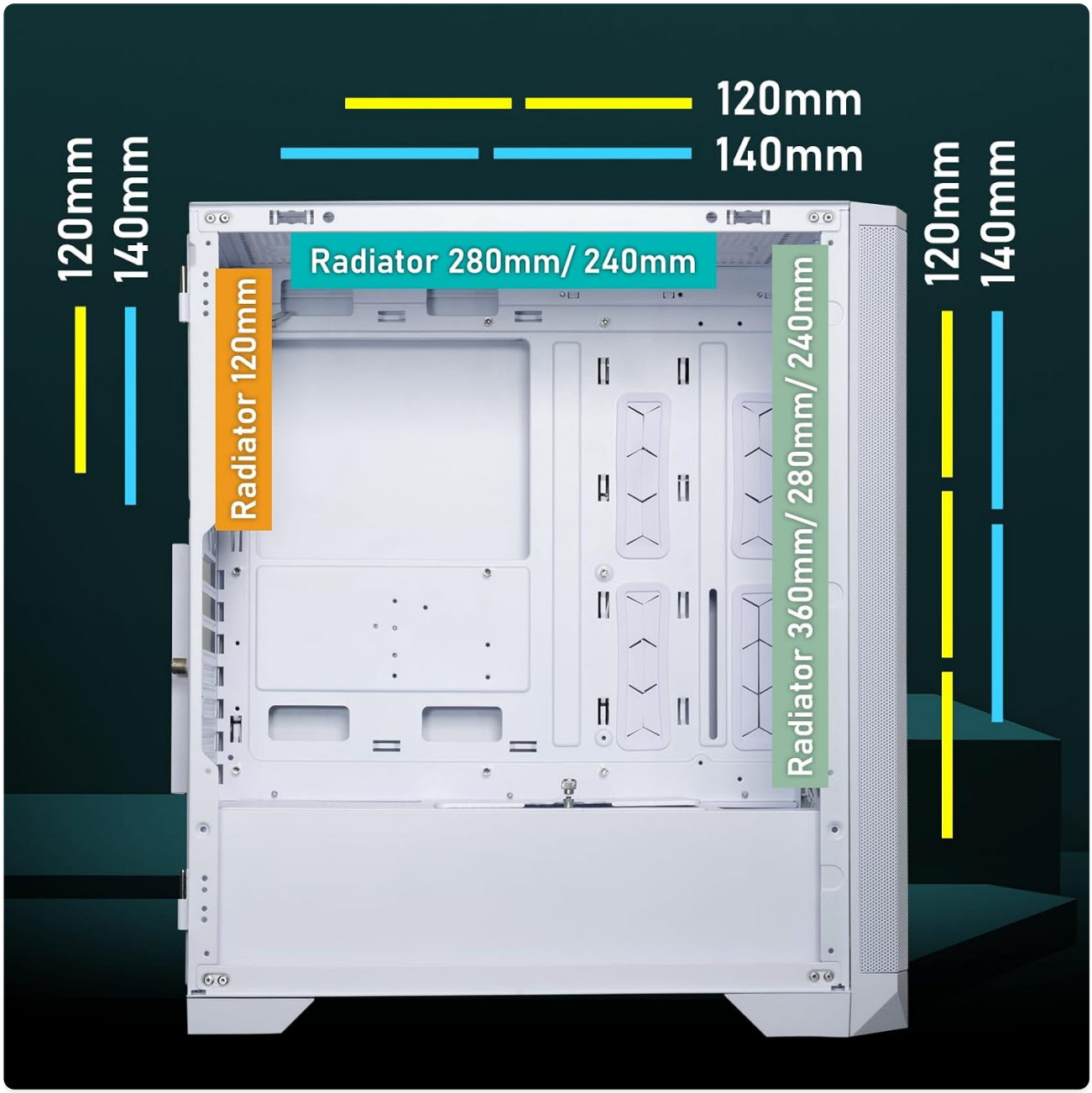


Figure 3: Radiator and fan mounting options within the chassis.

3. Setup Guide

3.1 Unpacking and Inspection

Carefully remove the case from its packaging. Inspect the case for any signs of damage during transit. Retain all packaging materials for future transport or warranty claims.

3.2 Component Installation

Before installing components, ensure the case is placed on a stable, flat surface. Remove the tempered glass side panel by gently pulling it open from the hinge side.



Figure 4: The hinged tempered glass side panel allows for easy access to the interior.

- **Motherboard:** Install your ATX, mATX, or Mini ITX motherboard onto the pre-installed standoffs. Ensure all screws are tightened securely.
- **Power Supply:** Install your ATX power supply into the dedicated compartment at the bottom rear of the case. The removable hard drive cage can be adjusted or removed to accommodate PSUs up to 200mm (190mm recommended).
- **Storage Drives:** Utilize the removable modular hard drive cage for 3.5" HDDs and dedicated mounting points for 2.5" SSDs. The case supports 2+1 x 3.5" HDD and 2+1 x 2.5" SSD.
- **Graphics Card:** Install your graphics card into the PCIe slot. The case supports GPUs up to 357mm in length.
- **Cooling:** The case comes with four pre-installed ARGB fans. Additional fans can be installed at the front (3x120mm or 2x140mm), top (2x120mm or 2x140mm), and rear (1x120mm or 1x140mm). For liquid cooling, the case supports AIO radiators up to 360mm at the front and 240mm at the top. CPU air coolers up to 185mm tall are also supported.



Figure 5: Internal layout of the case with components installed.

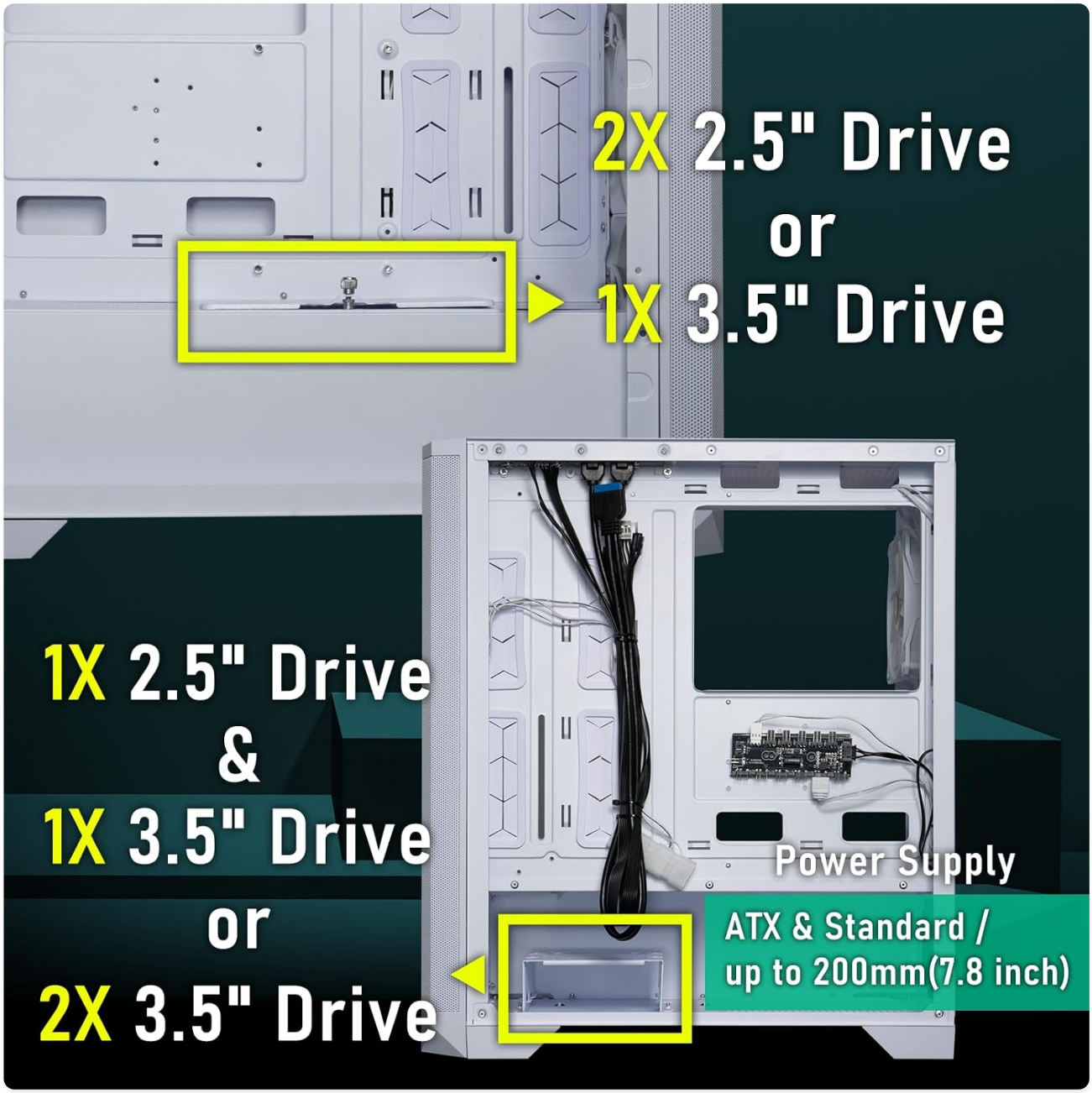


Figure 6: Storage drive and power supply installation options.

4. Operating Instructions

4.1 Powering On

Once all components are securely installed and cables are connected, close the tempered glass side panel. Connect your power cable to the power supply and press the power button located on the top I/O panel of the case.

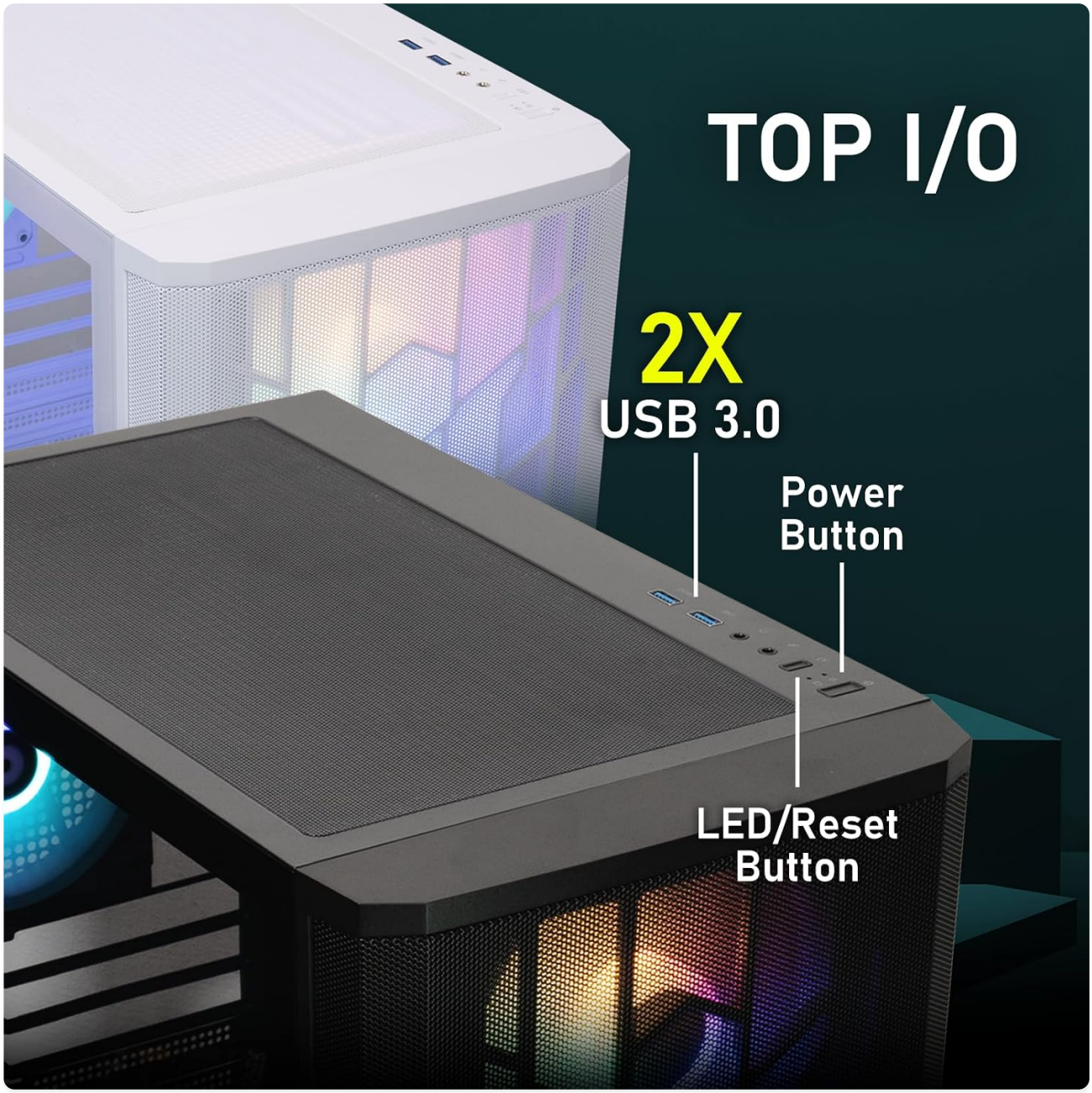


Figure 7: Top I/O panel with power and LED/Reset buttons.

4.2 RGB Lighting Control

The pre-installed 4 ARGB fans are connected to a 6+6 controller. This controller supports up to six ARGB devices and six 12V fans. It is compatible with motherboard RGB synchronization software such as ASUS Aura Sync, MSI Mystic Light, Gigabyte RGB Fusion 2.0, and ASRock Polychrome Sync.
To switch between motherboard control and the controller's built-in lighting effects, press and hold the LED/Reset button on the top I/O panel. The controller offers 60 preset lighting effects.

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Video 2: The official product video demonstrates the various RGB lighting effects and control options.

5. Maintenance

5.1 Dust Filters

The BitFenix Nova Mesh SE 4ARGB case features removable dust filters on the top, front, and bottom to prevent dust buildup inside your system. Regularly clean these filters to maintain optimal airflow and cooling performance.

- **Front Filter:** The front mesh panel can be easily removed for cleaning.

- **Top Filter:** The magnetic dust filter on the top can be lifted off for cleaning.
- **Bottom Filter:** The PSU dust filter at the bottom slides out for easy maintenance.



Figure 8: Removable dust filters for easy cleaning.

5.2 General Cleaning

Use a soft, dry cloth to wipe down the exterior of the case. For the interior, use compressed air to remove dust from components and hard-to-reach areas. Ensure the system is powered off and unplugged before performing any cleaning.

6. Troubleshooting

- **No Power:** Ensure all power cables (PSU to wall, motherboard 24-pin, CPU 8-pin, GPU power) are securely connected. Check the power switch on the PSU.
- **Fans Not Spinning/No RGB:** Verify that the fans are correctly connected to the 6+6 controller and the controller is powered via SATA. If using motherboard RGB sync, ensure the controller is connected to the motherboard's ARGB header and the motherboard software is configured correctly. Try pressing the LED/Reset button to cycle through built-in effects.

- **Overheating:** Check that all fans are spinning correctly and are oriented for proper airflow (intake/exhaust). Clean dust filters regularly. Ensure CPU cooler and GPU fans are functioning.
- **Loose Connections:** If experiencing intermittent issues, check all internal cable connections, especially power and data cables to storage drives and front panel connectors.

7. Warranty and Support

The BitFenix Nova Mesh SE 4ARGB PC Gaming Case is manufactured by BITFENIX. For warranty information, technical support, or service inquiries, please refer to the official BITFENIX website or contact their customer support directly. Keep your proof of purchase for any warranty claims.
You can also visit the BITFENIX Store on Amazon for additional product information and support resources.

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