



MAG Series

PC Case

MAG FORGE 320R AIRFLOW

MAG FORGE 321R AIRFLOW

MAG FORGE 120A AIRFLOW

MAG FORGE 121A AIRFLOW

User Guide

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Specifications

Comparison of Key Differences

Product Name	MAG FORGE 320R/ 321R AIRFLOW	MAG FORGE 120A AIRFLOW	MAG FORGE 121A AIRFLOW
Dimensions (DxWxH)	472.5 x 210 x 498 mm	411.6 x 210 x 498 mm	411.6 x 210 x 498 mm
Top Radiator Support	120 / 140 / 240 / 280 / 360 mm	120 / 240 mm	120 / 240 mm
Pre-installed Fan	Top: No Front: 3 x 120mm ARGB fans Rear: 1 x 120mm ARGB fan	Top: 2 x 120mm Auto-RGB fans Front: 3 x 120mm Auto-RGB fans Rear: 1 x 120mm Auto-RGB fan	Front: 3 x 120mm Auto-RGB fans Rear: 1 x 120mm Auto-RGB fan
Side Fans Support	2 x 120mm	No	No
Maximum GPU Length	390mm (Pre-installed front fan)	330mm (Pre-installed front fan)	330mm (Pre-installed front fan)
Drive Bays	1 x 2.5" SSD 2 x Combo 3.5"/2.5"	3 x 2.5" SSD 2 x 3.5" HDD	3 x 2.5" SSD 2 x 3.5" HDD
LED Controller	LED controller with Mystic Light Sync	LED controller (Standalone)	LED controller (Standalone)

Basic Information

Case Type	Mid Tower
Supported Motherboard Sizes	ATX, Micro-ATX, Mini-ITX

Cooling Fan Support

Top	3 x 120mm or 2 x 140mm
Front	3 x 120mm or 2 x 140mm
Rear	1 x 120mm
PSU Shroud	2 x 120mm

Expansion Slots

PCIe Slots	7 slots
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I/O Ports and Buttons

USB Ports	2 x USB 3.2 Gen1 Type-A 1 x USB 3.2 Gen2 Type-C (321R)
Audio Ports	1 x Audio jack (120A / 121A / 320R) 1 x Micphone jack (120A / 121A / 320R) 1 x Audio/Micphone Combo Jack (321R)
Buttons	1 x Reset button (120A / 121A) 1 x Power button 1 x LED switch button (120A / 121A / 320R)

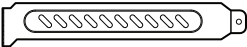
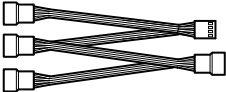
Chassis Clearances

Maximum CPU Cooler Height	160mm
Front Radiator Support	120 / 140 / 240 mm
PSU Support	160mm (with 3.5" HDD tray) 200mm (without 3.5" HDD tray)

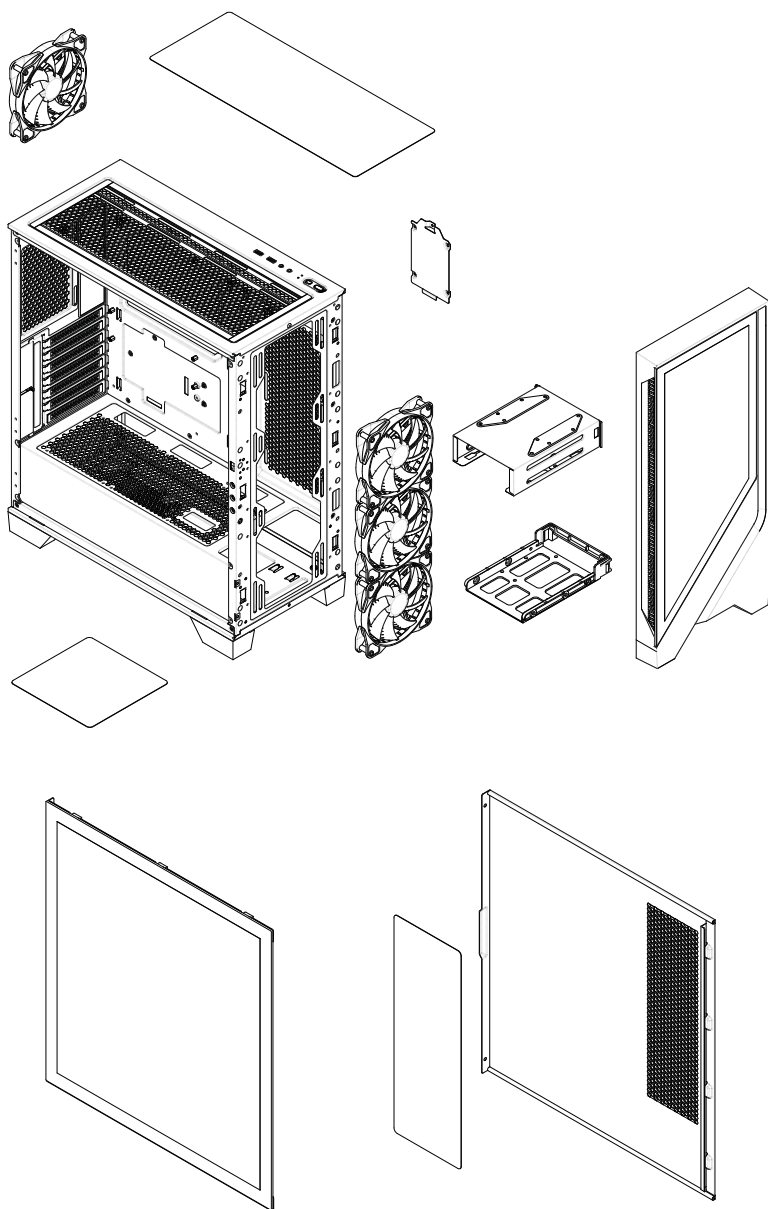
Materials

Metal Specification	SPCC 0.5
Front Bezel Material	Mesh + Plastic
Left Side Panel	4mm tempered glass
Dust Filter	Top: Magnetic filter Side: Magnetic filter Bottom: Plastic filter

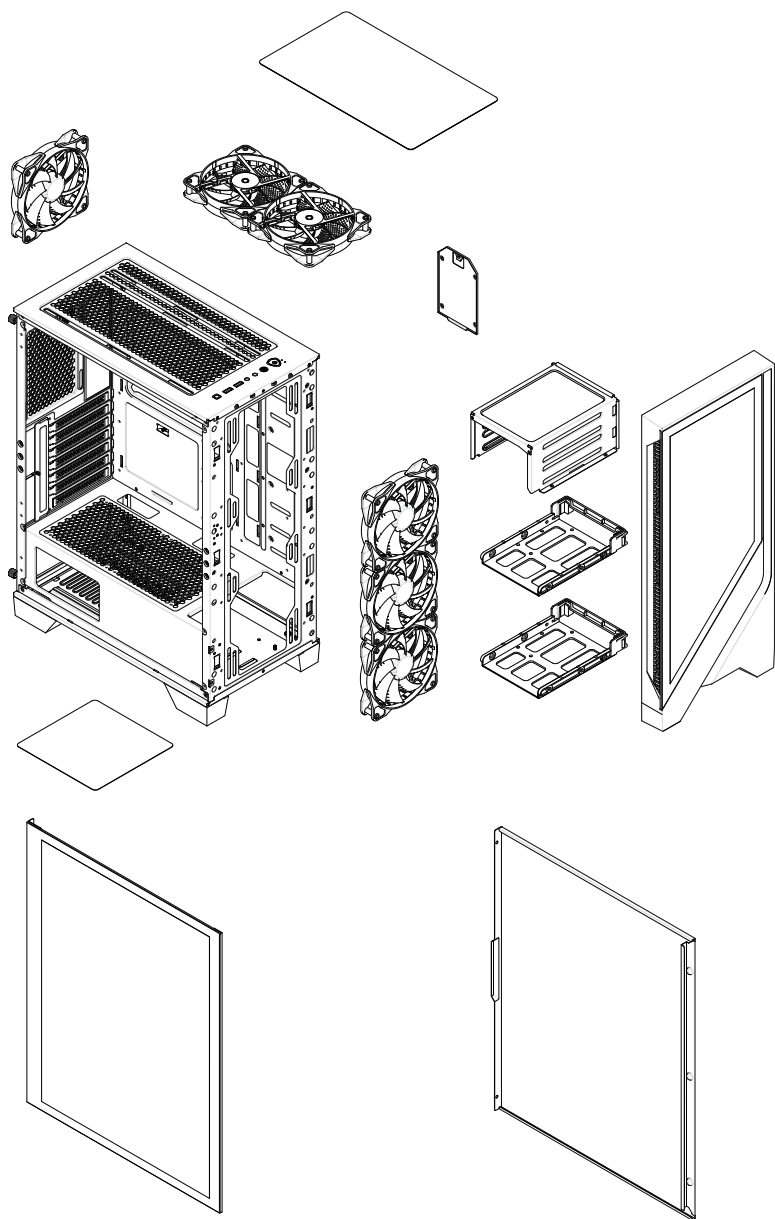
Accessories

Item	Name / Q' ty	Used for
	Cable ties x5	Cable management
	Screw #6-32 10mm x2	Securing drive tray
	Stand-off #6-32 6.5mm x4	Motherboard Stud
	Screw M3 5mm x20	Motherboard / SSD
	Screw #6-32 6mm x6	Securing PSU / PCIe Card
	Screw #6-32 5mm x4	3.5" HDD
	PCIe slot cover x2	PCIe slot protection
	1 to 4 fan splitter cable x1 (For 320R only)	Connecting 4 fans

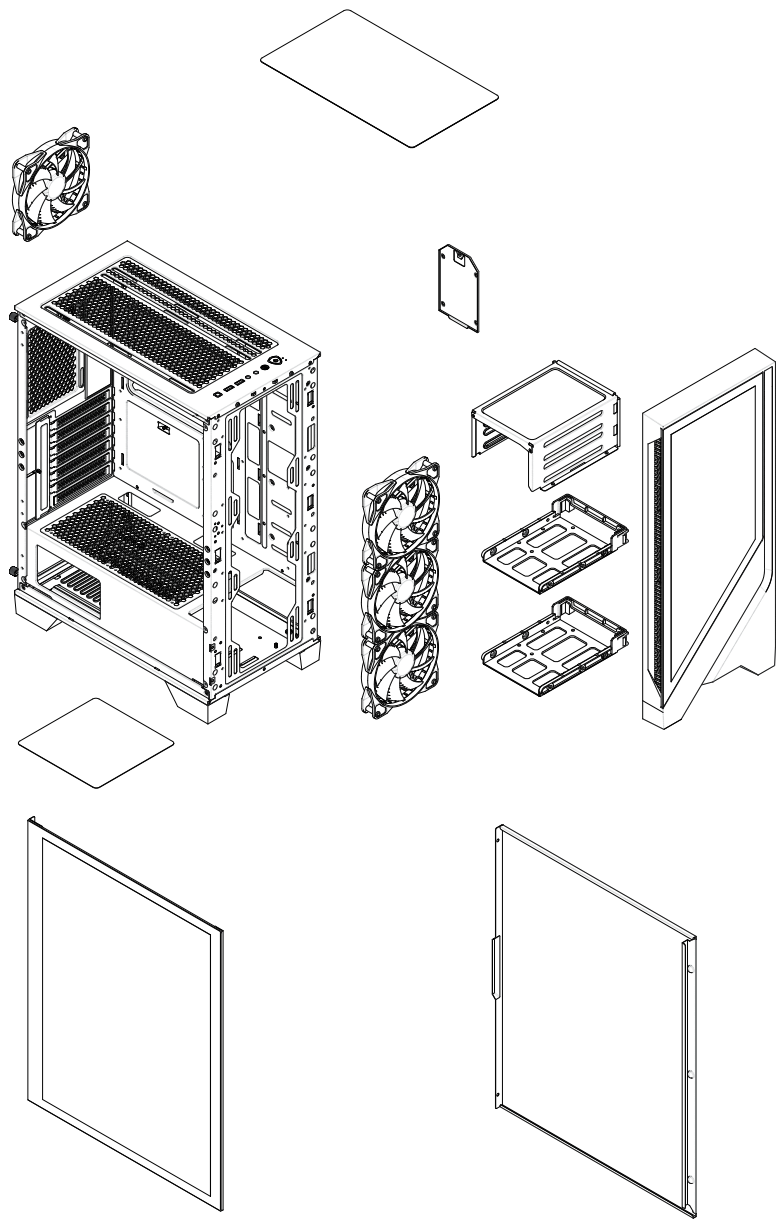
Case Features (320R/ 321R)



Case Features (120A)

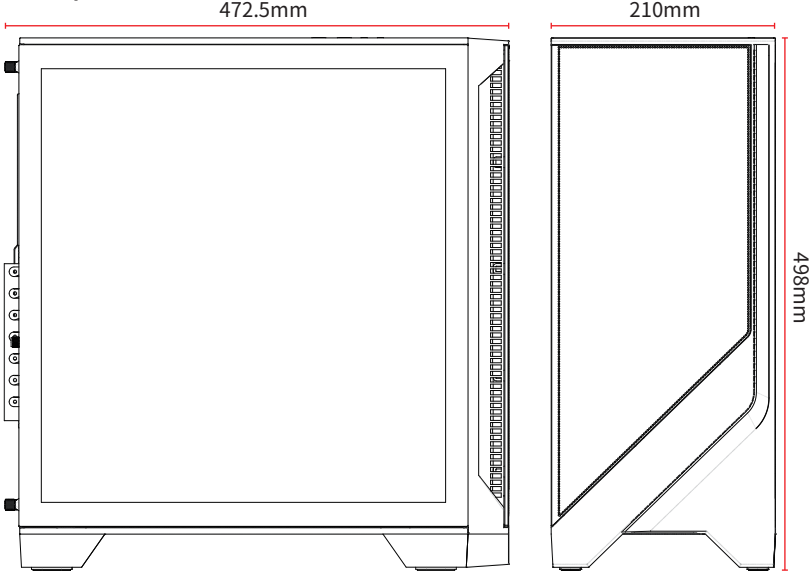


Case Features (121A)

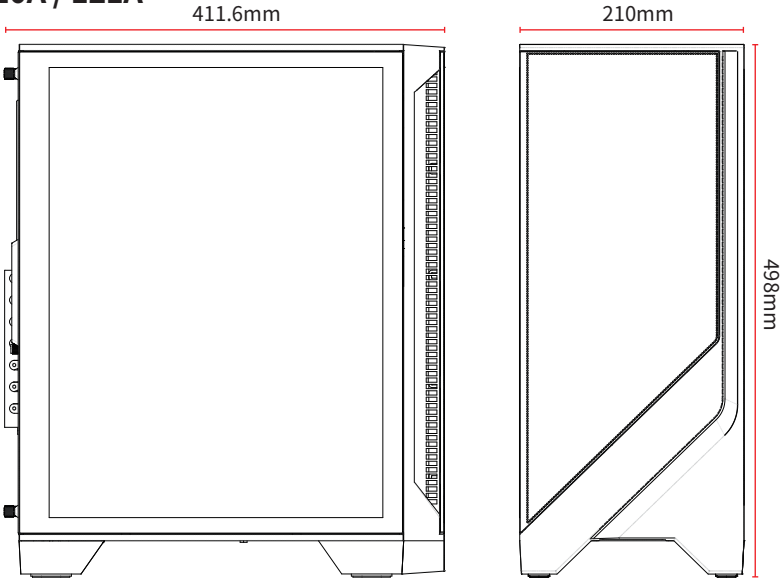


Side and Front View

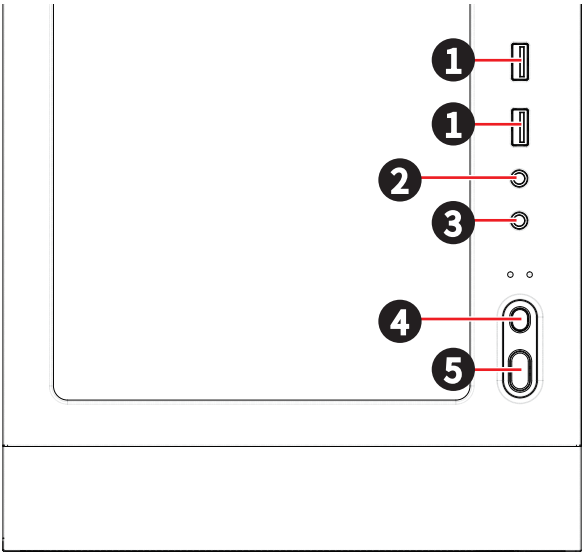
320R/ 321R



120A / 121A

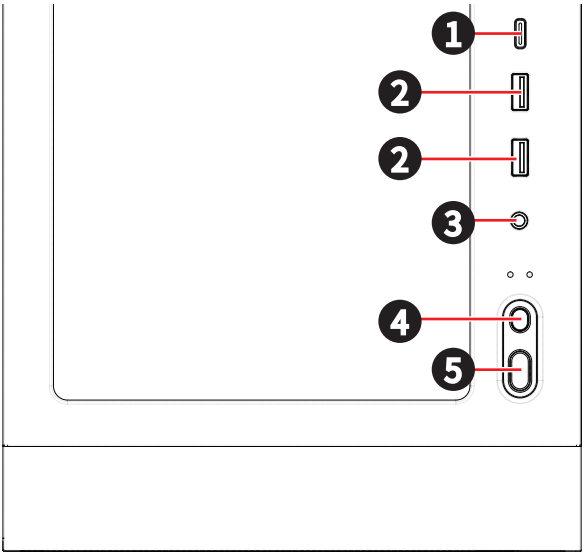


I/O and Buttons (320R)



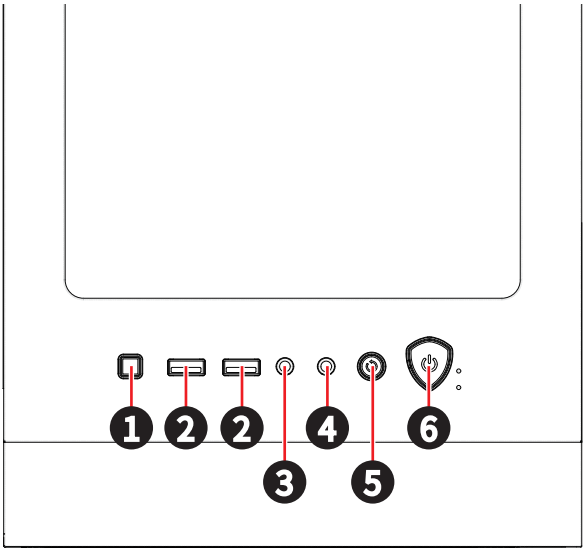
Item	Description
1	USB 3.2 Gen 1 5Gbps Type-A port
2	Microphone jack
3	Audio jack
4	LED switch button
5	Power button

I/O and Buttons (321R)



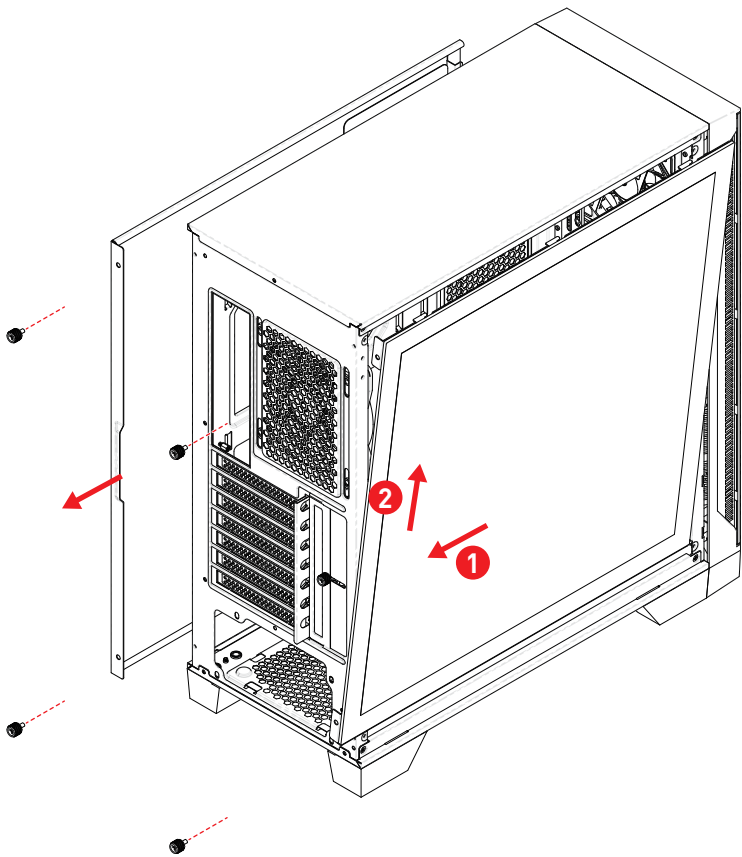
Item	Description
1	USB 3.2 Gen 2 10Gbps Type-C port
2	USB 3.2 Gen 1 5Gbps Type-A port
3	Audio/Micphone Combo Jack
4	LED switch button
5	Power button

I/O and Buttons (120A / 121A)

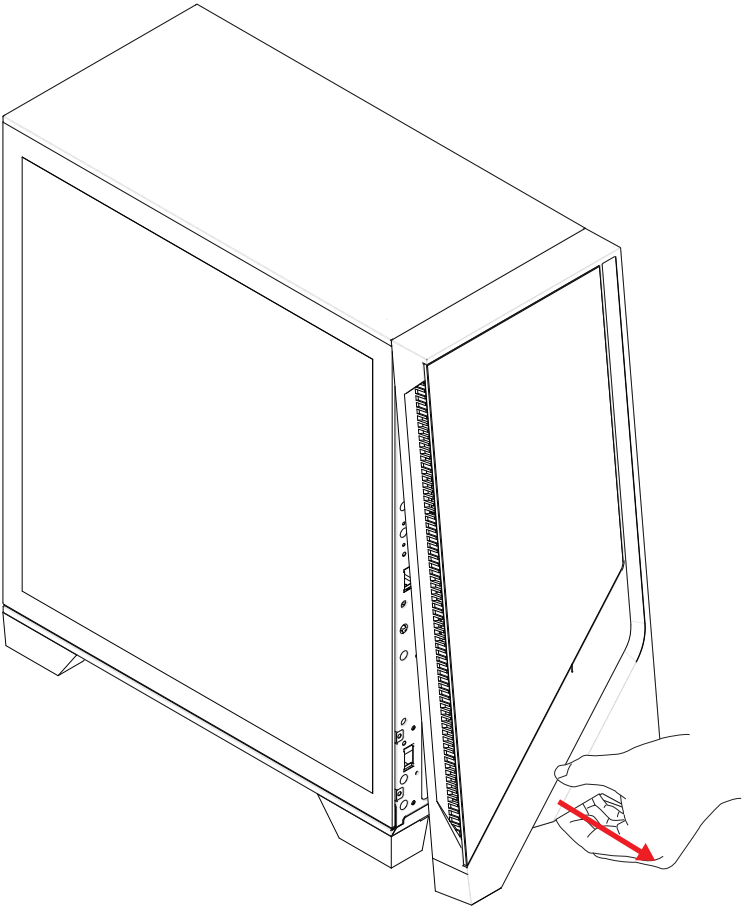


Item	Description
1	LED switch button
2	USB 3.2 Gen 1 5Gbps Type-A port
3	Microphone jack
4	Audio jack
5	Reset button
6	Power button

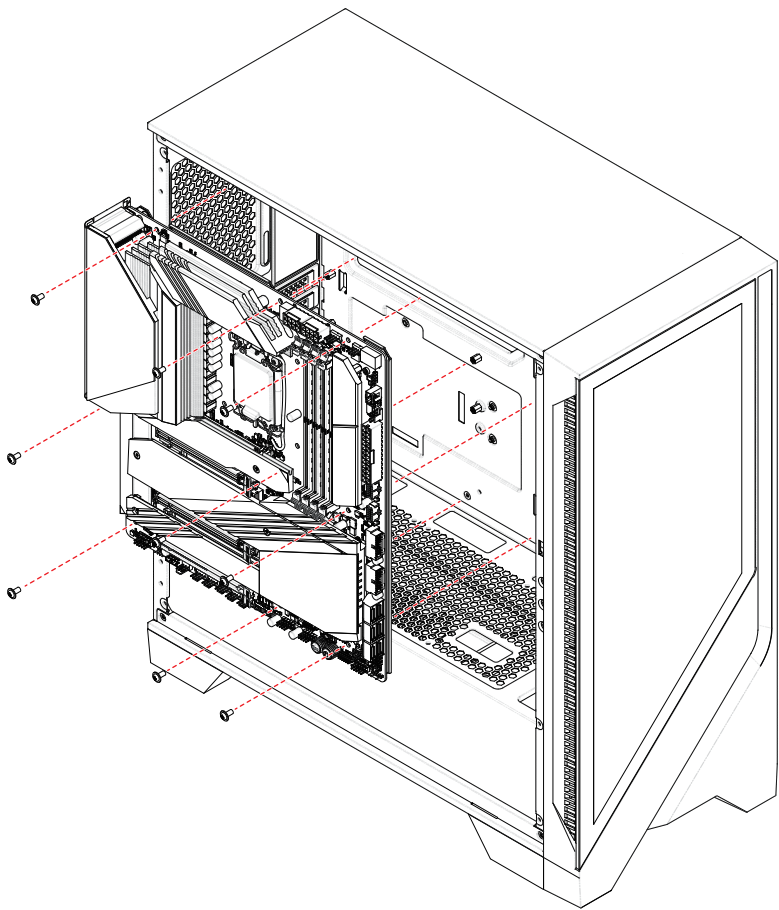
Side Panel Removal



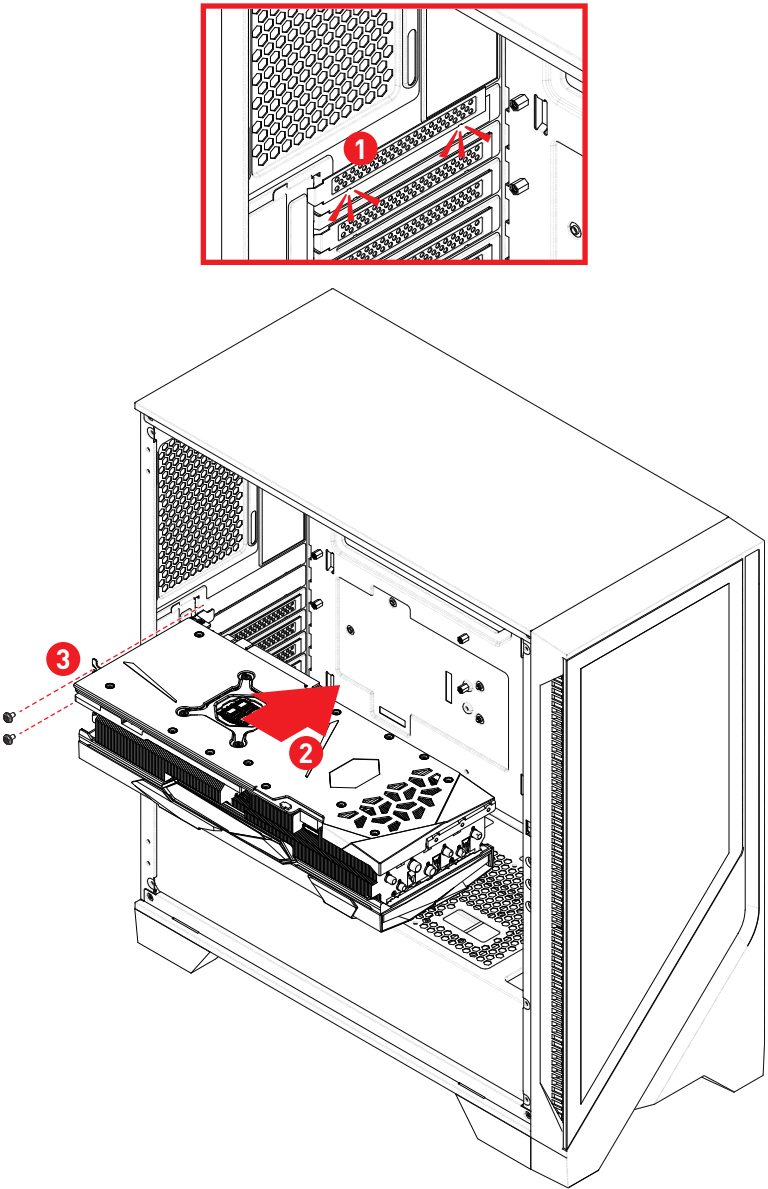
Front Bezel Removal



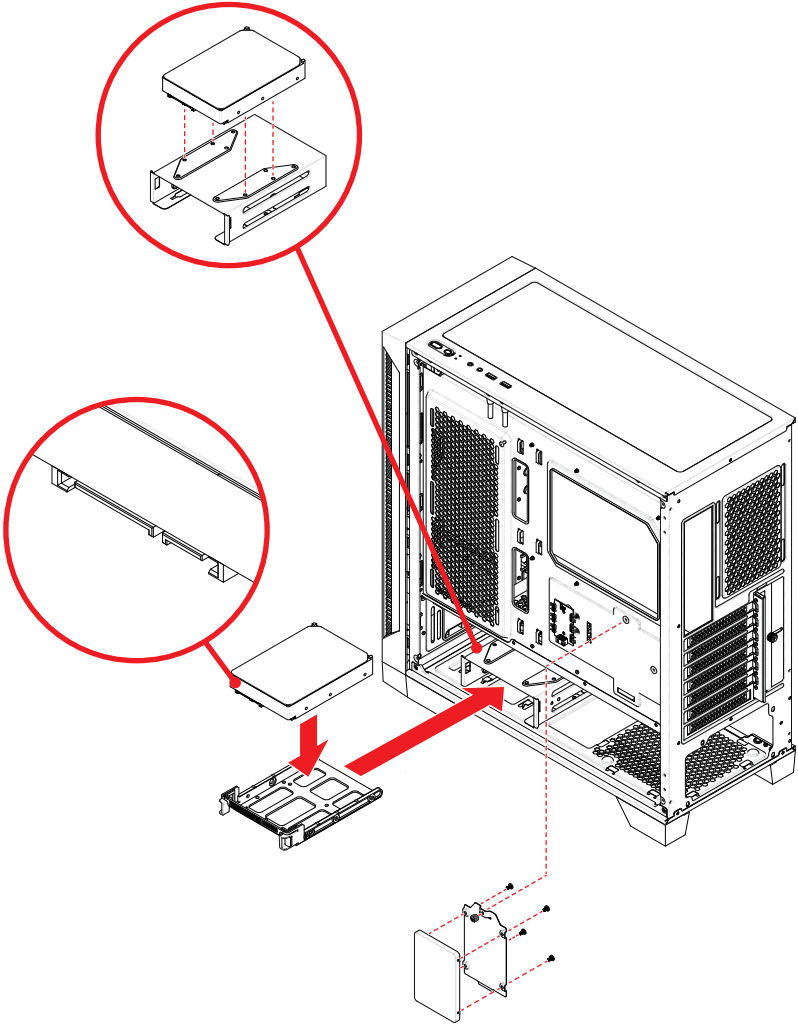
Motherboard Installation



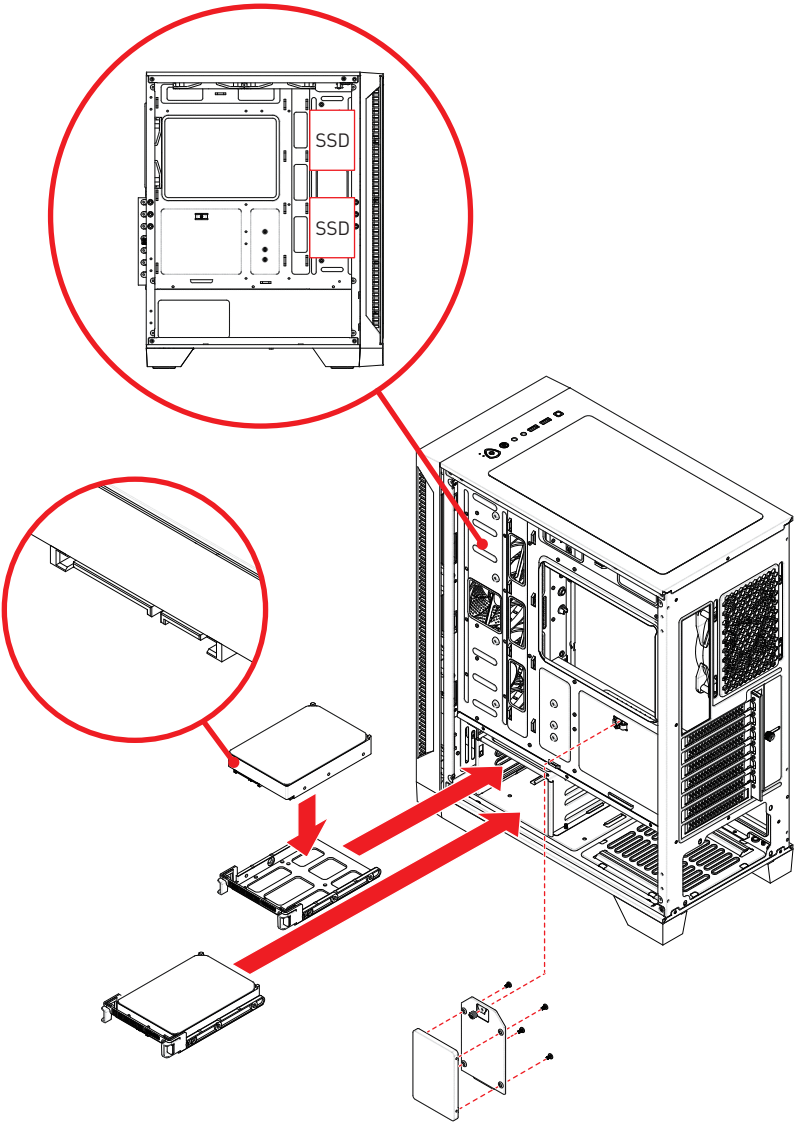
Graphics Card Installation



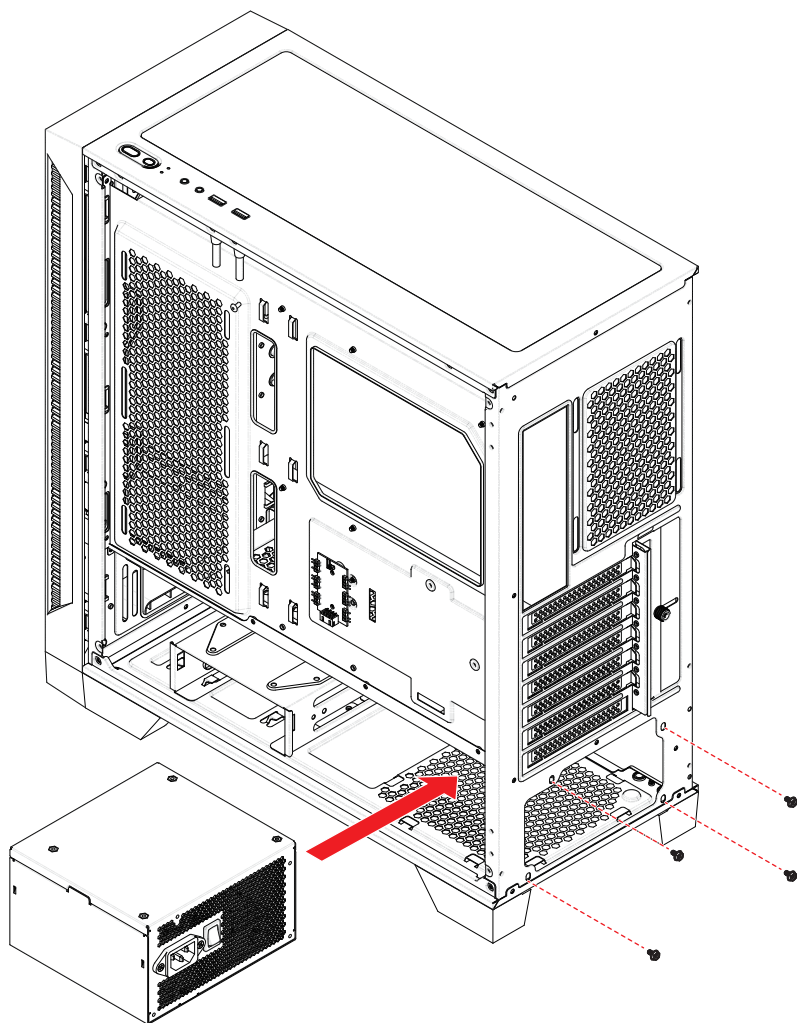
SSD & HDD Installation (320R/ 321R)



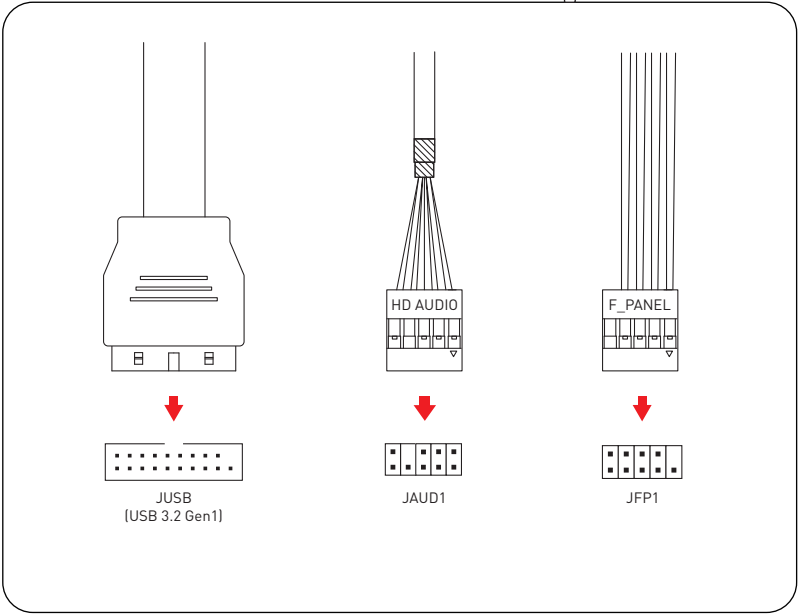
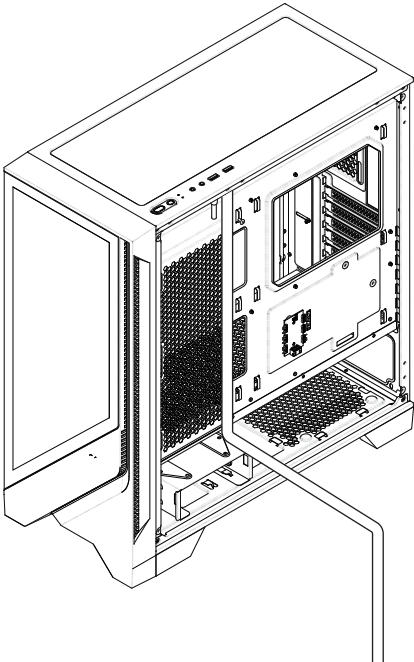
SSD & HDD Installation (120A / 121A)



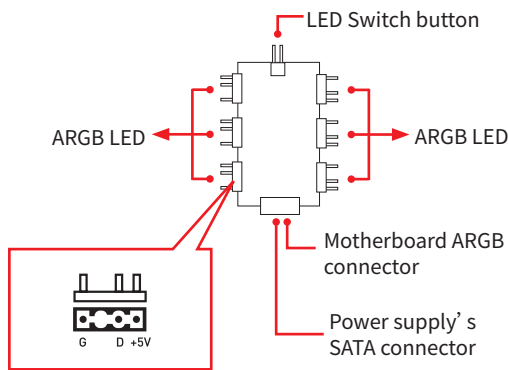
PSU Installation



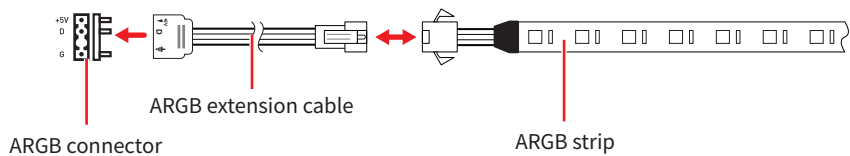
Top Panel I/O Connection



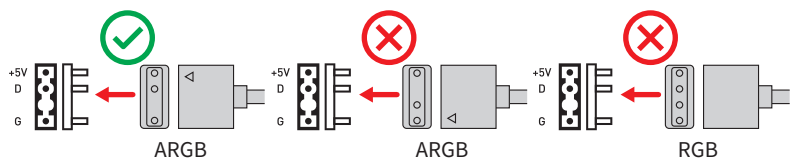
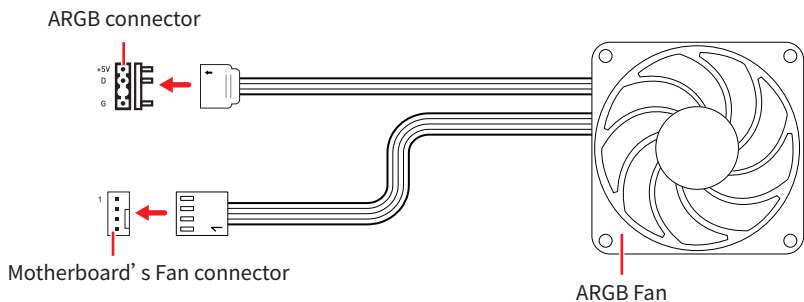
Control Board Connection (320R/ 321R)



Addressable RGB LED Strip Connection



Addressable RGB LED Fan Connection



IMPORTANT

- Please always turn off the power supply and unplug the power cord from the power outlet before installing or removing the ARGB LED Strip.
- Please ensure all cables are securely connected before powering on.
- This LED Hub can support up to 10 MSI devices or 6 non-MSI devices.
- Each port can support a maximum of 64 ARGB LEDs, with a total of no more than 128 LEDs.
- Exceeding these limits may cause ARGB LEDs to display abnormal colors, flicker, or be unable to change colors.

LED Switch Button Function (320R/ 321R)

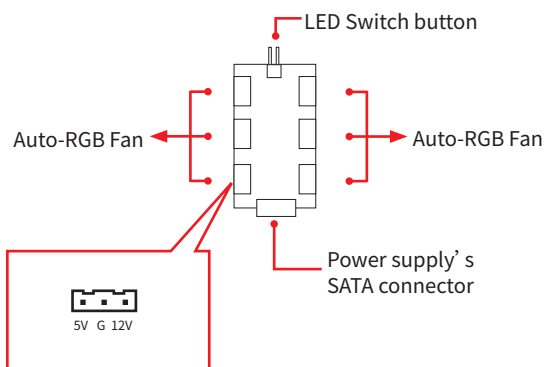
- Single press to toggle between LED effects.
- Long press for three seconds to sync with the motherboard.

LED Effect Sequence (320R/ 321R)

After pressing the LED Switch button, the LED effect sequence is as follows:

1	Solid red
2	Solid green
3	Solid blue
4	Solid purple
5	Solid cyan
6	Solid yellow
7	Solid white
8	Rainbow color cycling
9	Color running effect
10	Gradient color transition effect
11	Rainbow color breathing
12	Color breathing
13	Rainbow flashing
14	Color flashing

Control Board Connection (120A / 121A)



IMPORTANT

- The control board's fan header is a special specification and is not compatible with standard ARGB and RGB fans.
- Please always turn off the power supply and unplug the power cord from the power outlet before installing or removing the Auto-RGB fan.
- Please ensure all cables are securely connected before powering on.

LED Switch Button Function (120A / 121A)

- Single press for RGB rainbow effect.
- Press again to turn off LED lighting.

General Information

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Revision History

- Version 1.0, 2023/08, First release.
- Version 1.1, 2024/05, Modifying the note for the ARGB LED Hub.
- Version 1.2, 2024/10, Add 121A.
- Version 1.3, 2024/12, Add 321R.
- Version 1.4, 2025/07, Modifying the control board information.

