# MAG Series

## PC Case

MAG FORGE 320R AIRFLOW
MAG FORGE 120A AIRFLOW

User Guide

# Contents

# Specifications

## Comparison of Key Differences

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

## I/O Ports and Buttons

| | |
|---|---|
| **USB Ports** | 2 x USB 3.2 Gen1 Type-A |
| **Audio Ports** | 1 x Audio jack<br>1 x Micphone jack |
| **Buttons** | 1 x Reset button (120A / 320L)<br>1 x Power button<br>1 x LED switch button (120A / 320R) |
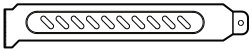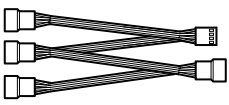
## Chassis Clearances

| | |
|---|---|
| **Maximum CPU Cooler Height** | 160mm |
| **Front Radiator Support** | 120 / 140 / 240 mm |
| **PSU Support** | 160mm (with 3.5'' HDD tray)<br>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<br>Side: Magnetic filter<br>Bottom: Plastic filter |

# Accessories

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

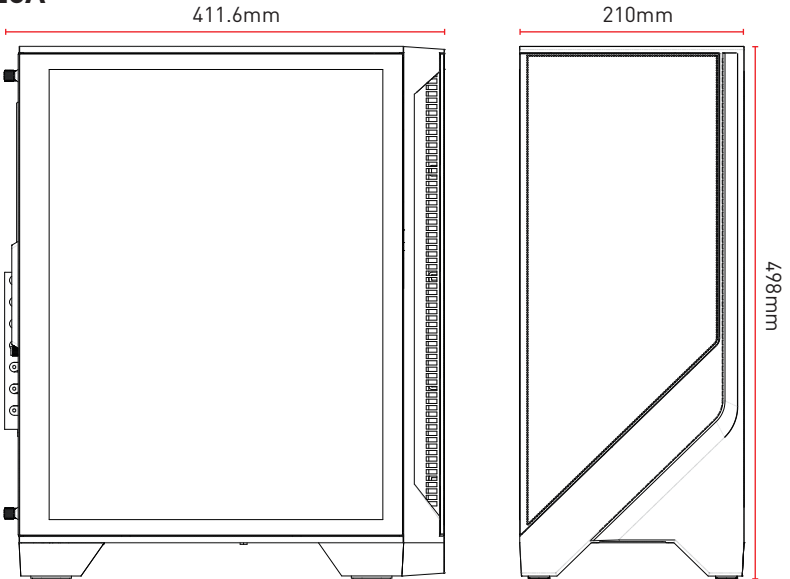# Case Features (320R)
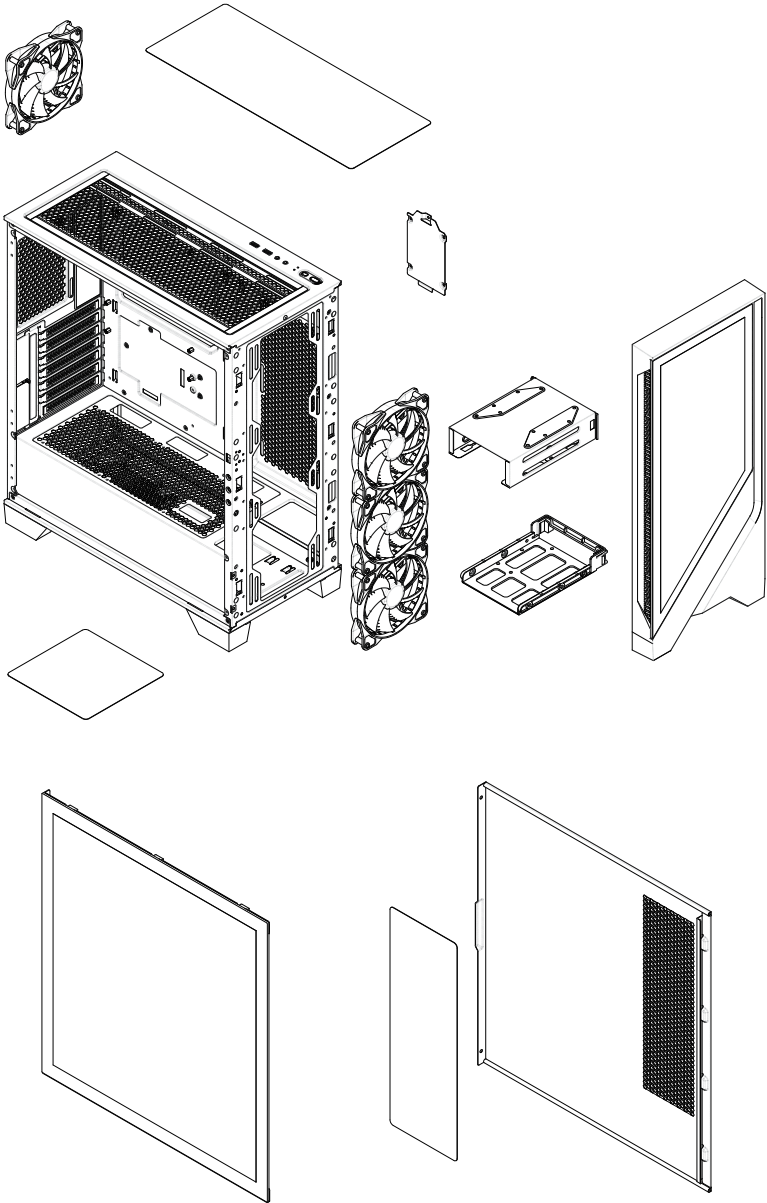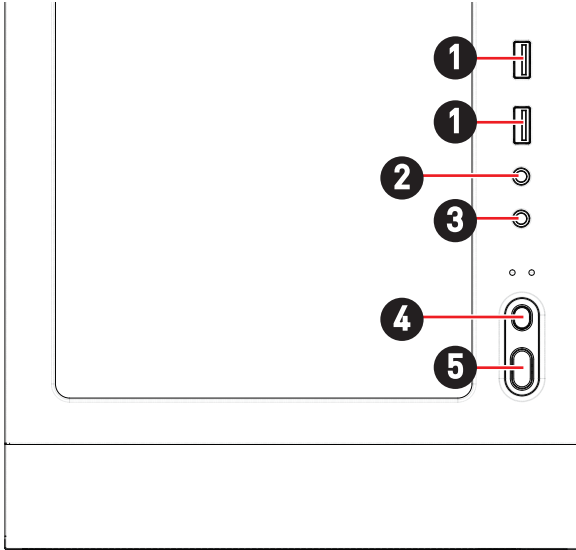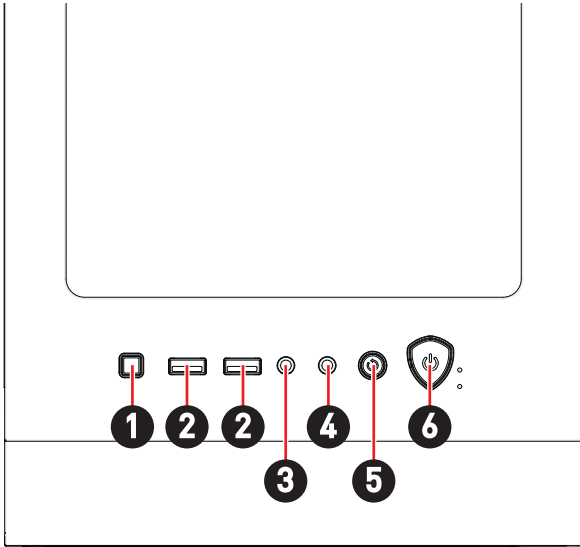
# Case Features (120A)

# Side and Front View

## 320R

472.5mm

210mm

498mm

## 120A

411.6mm

210mm

498mm
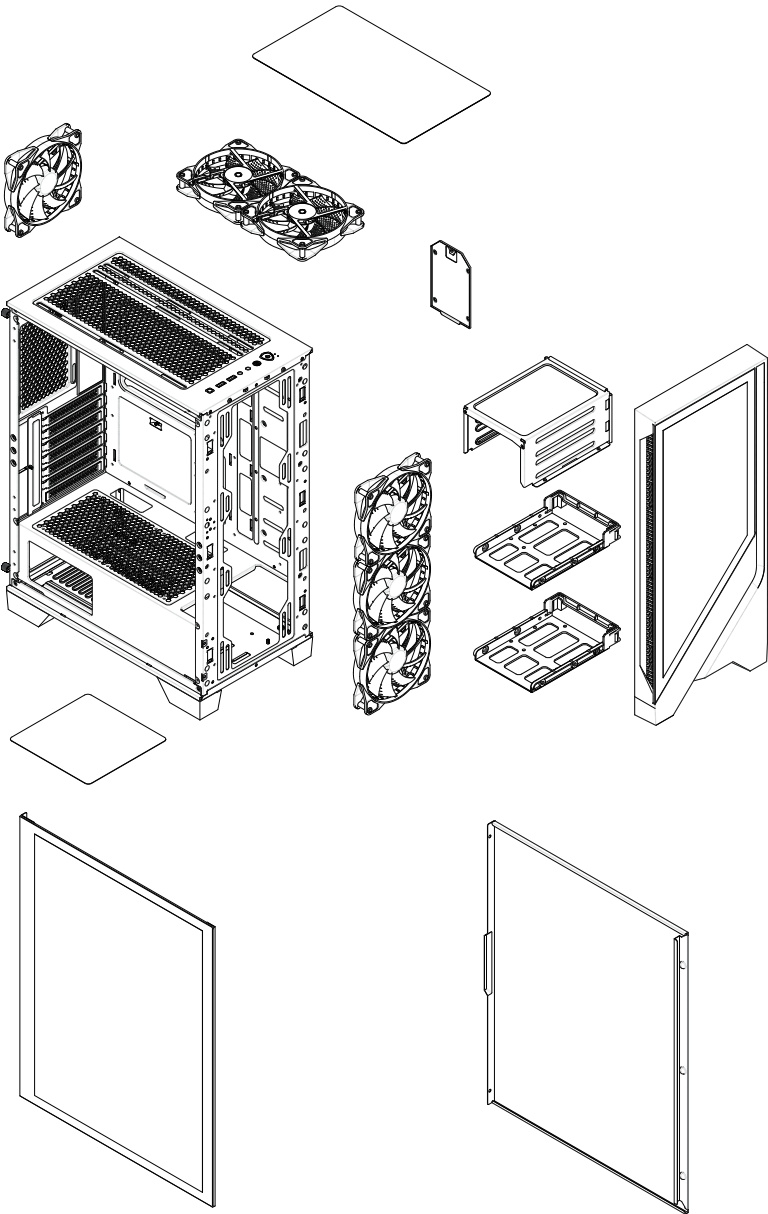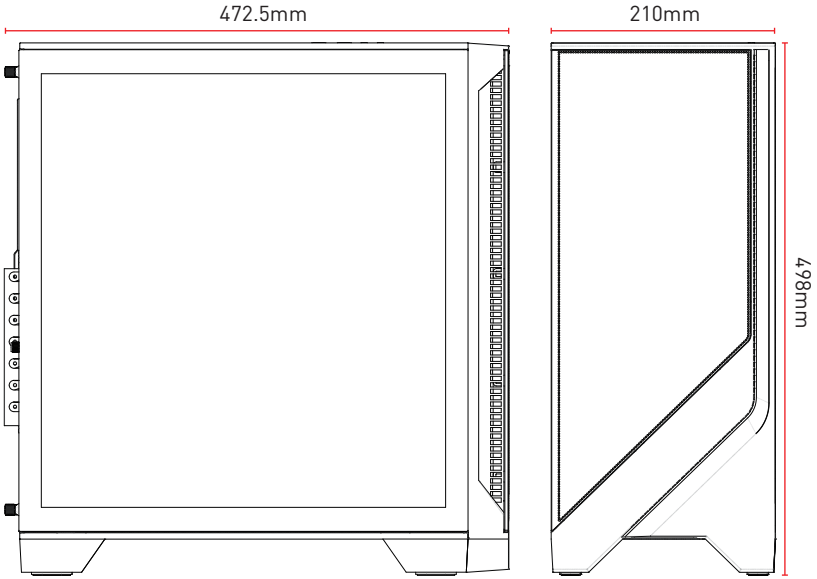
# I/O and Buttons (320R)

| 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 (120A)



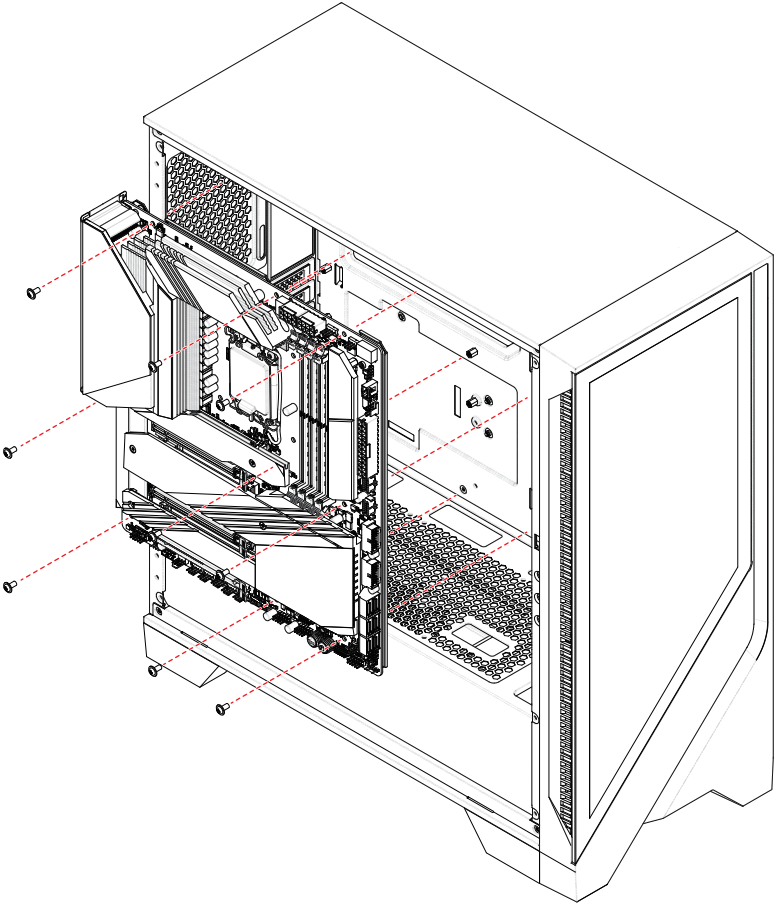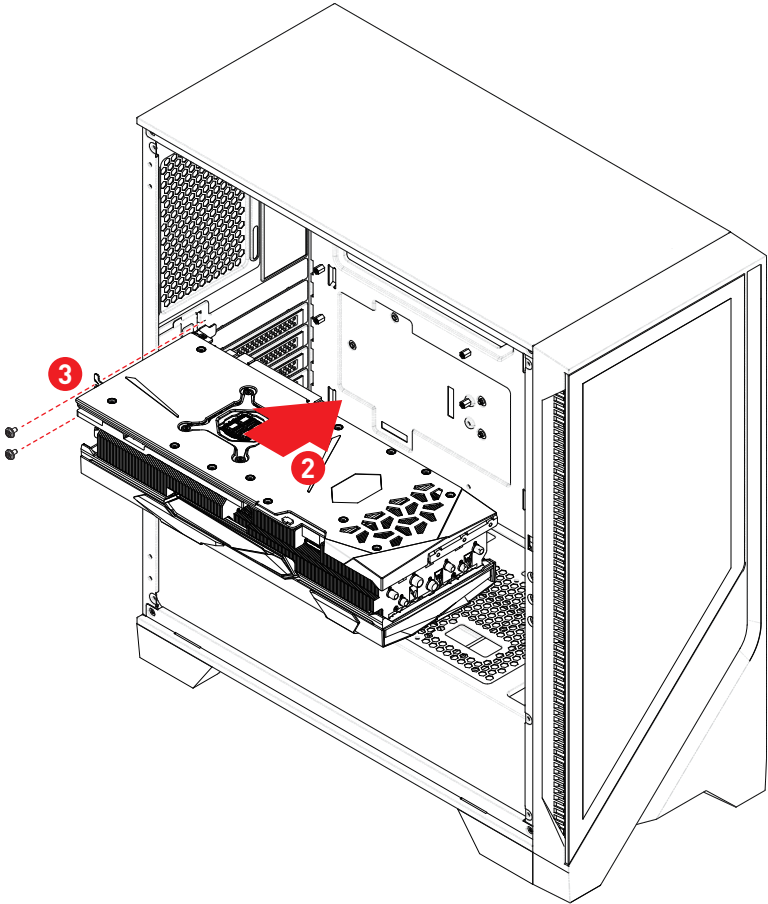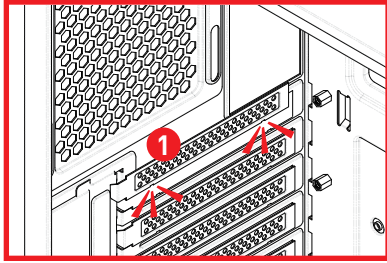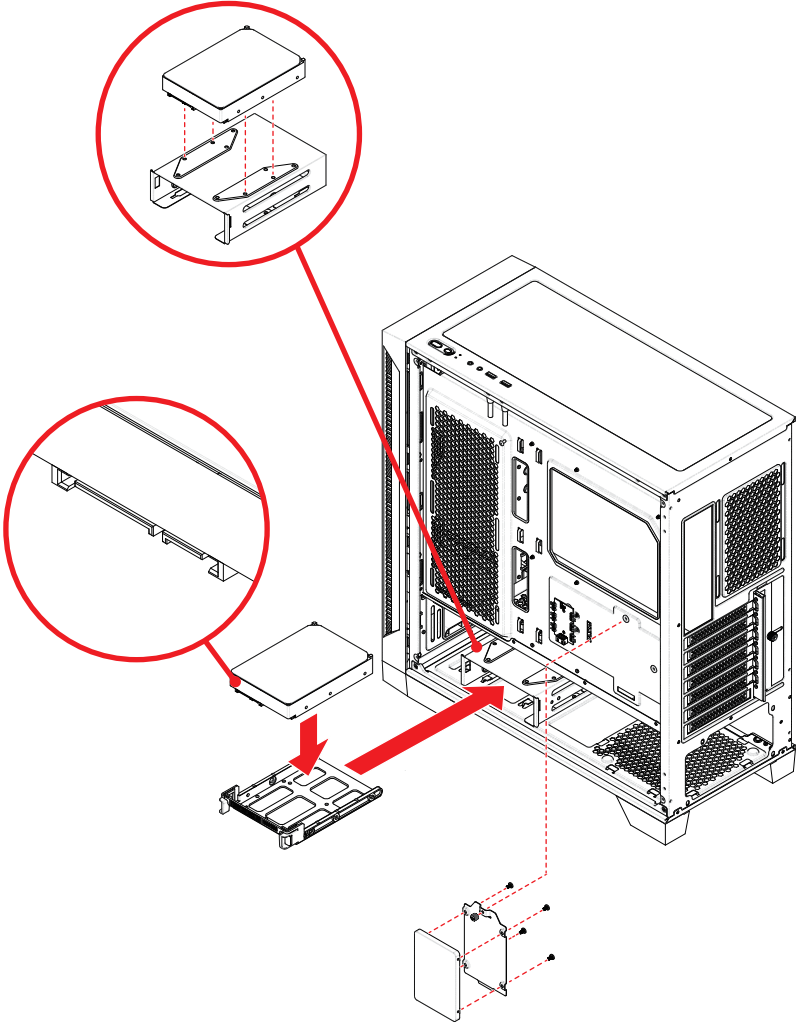| Item | Description |
|------|-------------|
| 1 | LED switch button |
| 2 | USB 3.2 Gen 1 5Gbps Type-A port |
| 3 | Microphone jack |
| 4 | Audio jack |
| 5 | Reset button |
| 6 | Power button |

# Side Panel Removal
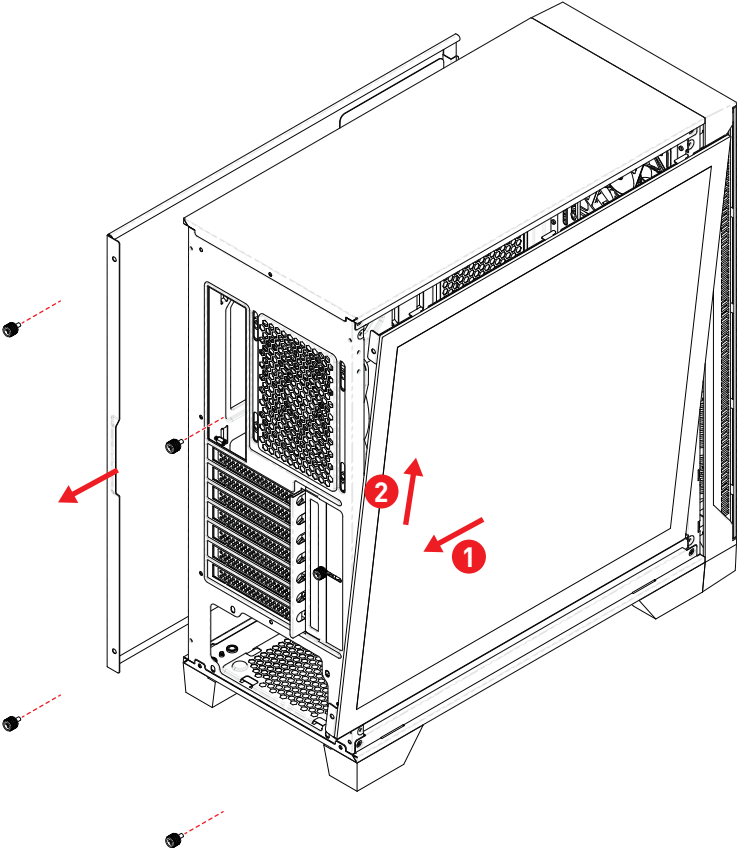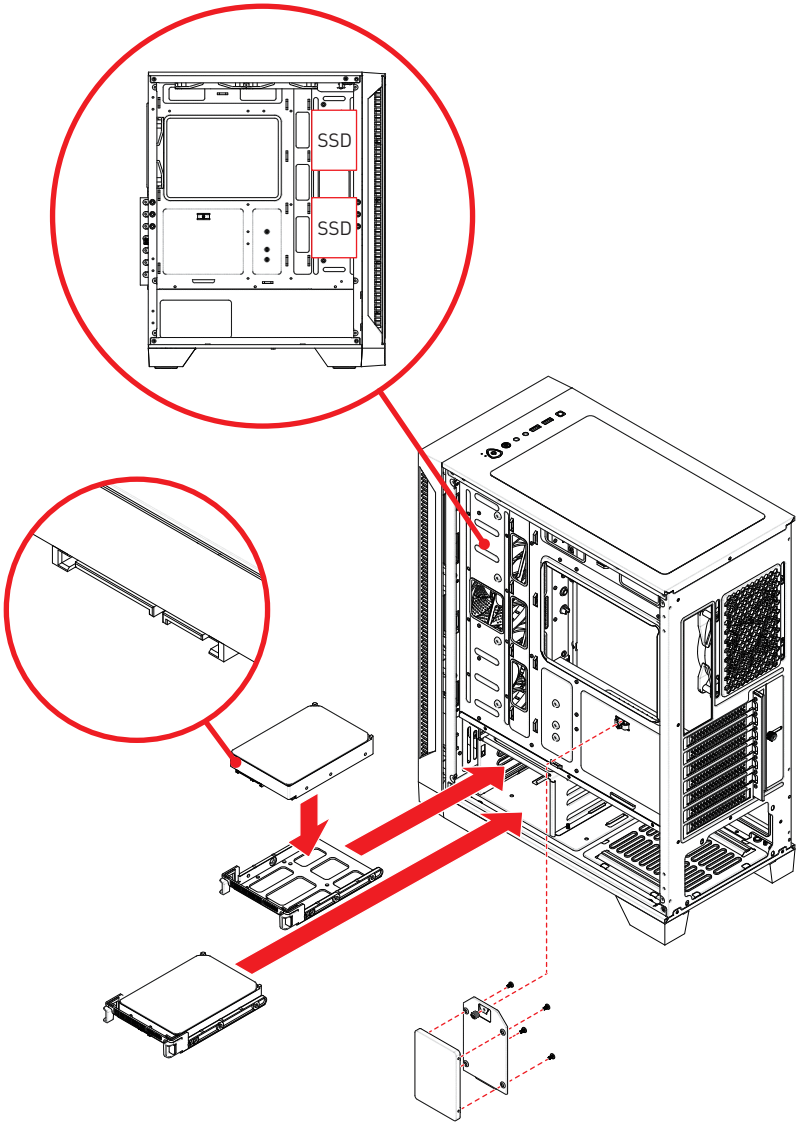
# Front Bezel Removal
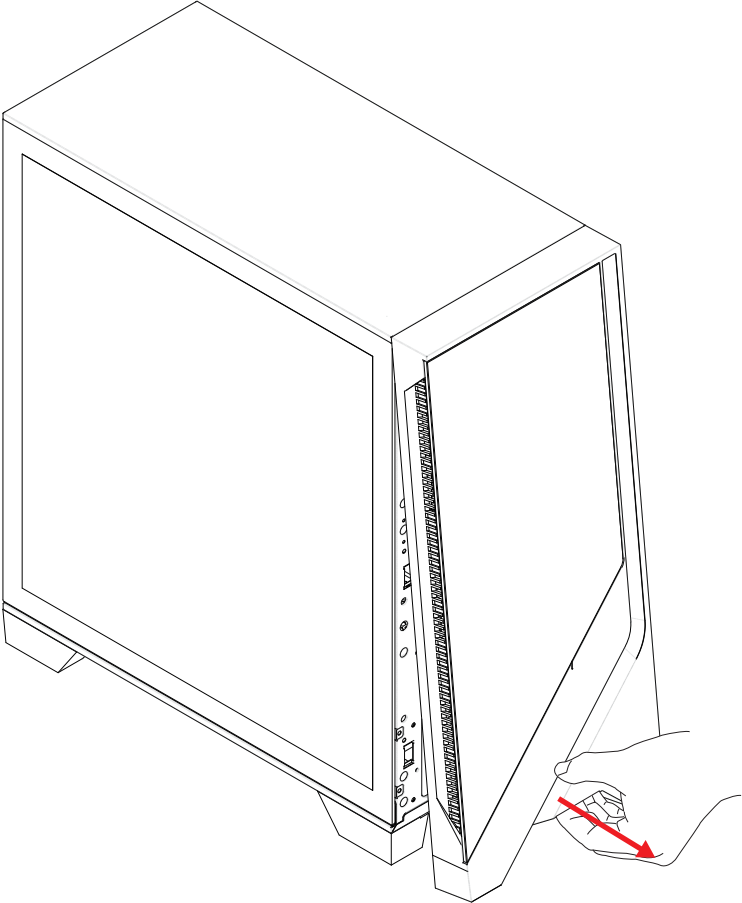
# Motherboard Installation
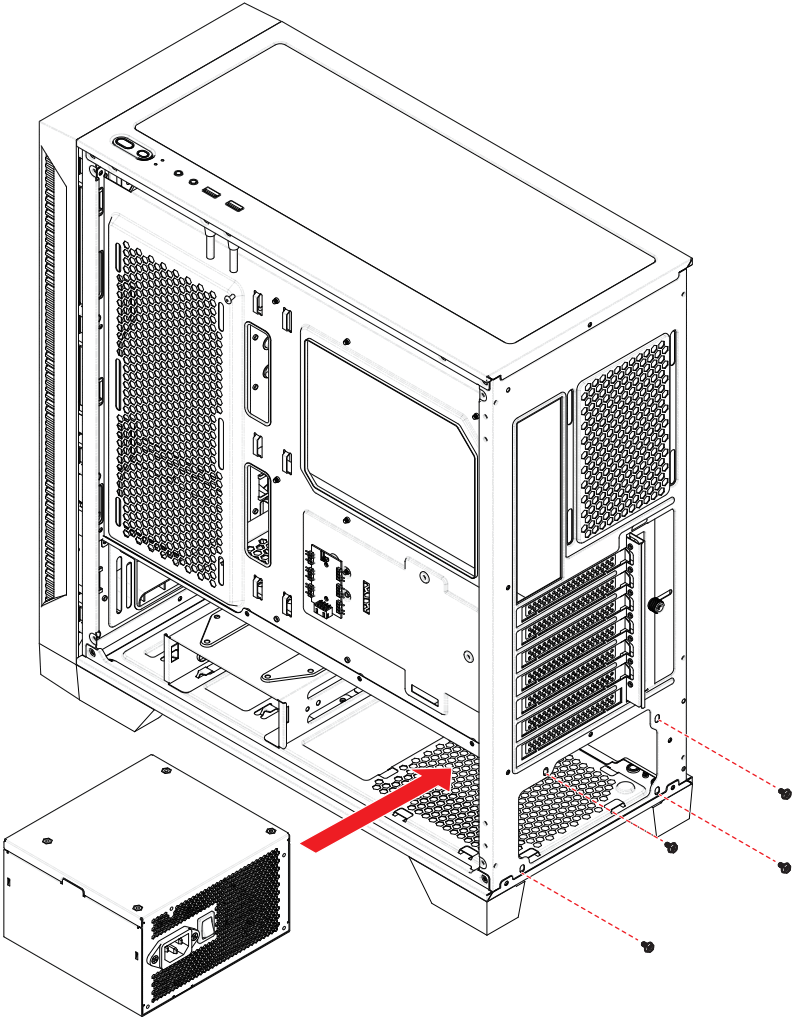
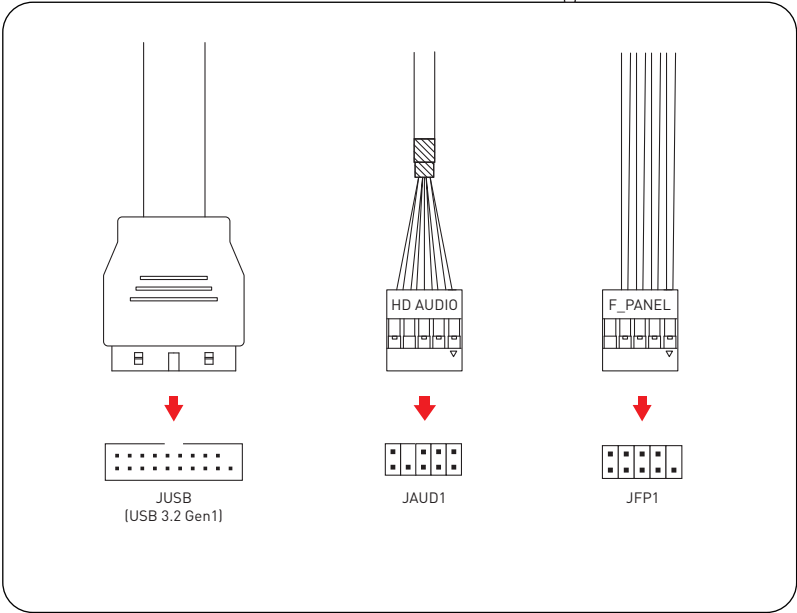# Graphics Card Installation

# SSD & HDD Installation (320R)

# SSD & HDD Installation (120A)

# PSU Installation

# Top Panel I/O Connection

JUSB
(USB 3.2 Gen1)

JAUD1

JFP1

HD AUDIO

F_PANEL

# Control Board Connection (320R)

LED Switch button

ARGB LED

ARGB LED

Motherboard ARGB connector

Power supply's SATA connector

G    D   +5V
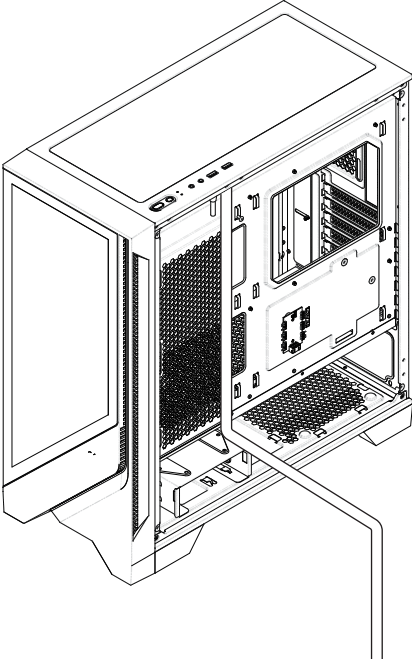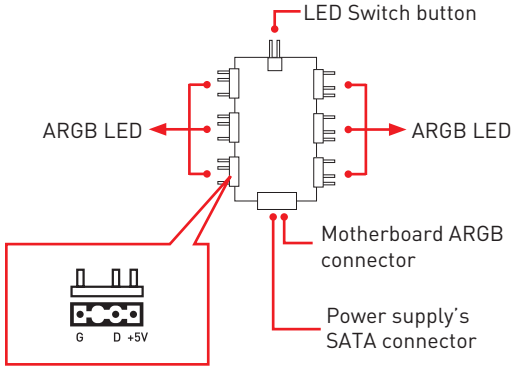
## Addressable RGB LED Strip Connection

+5V
D
G

ARGB extension cable

ARGB connector

ARGB strip
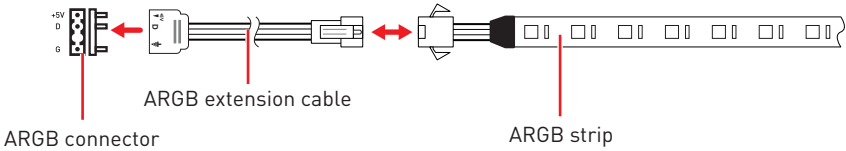
## Addressable RGB LED Fan Connection

ARGB connector

+5V
D
G

1

Motherboard's Fan connector

ARGB Fan

+5V
D
G

ARGB

+5V
D
G

ARGB

+5V
D
G

RGB
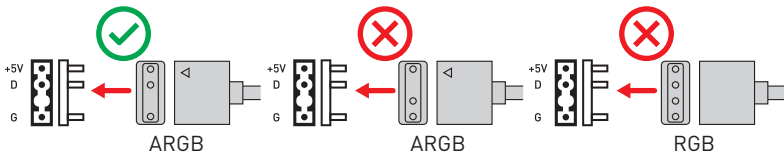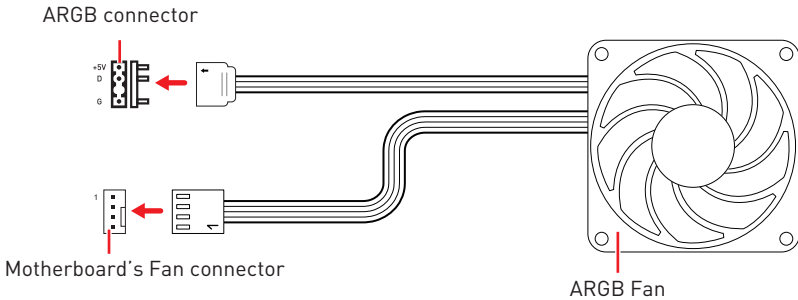
# ⚠ IMPORTANT

- *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)

- Single press to toggle between LED effects.

- Long press for three seconds to sync with the motherboard.

## LED Effect Sequence (320R)

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)



LED Switch button

Auto-RGB Fan

Auto-RGB Fan

Power supply's
SATA connector

5V  G  12V
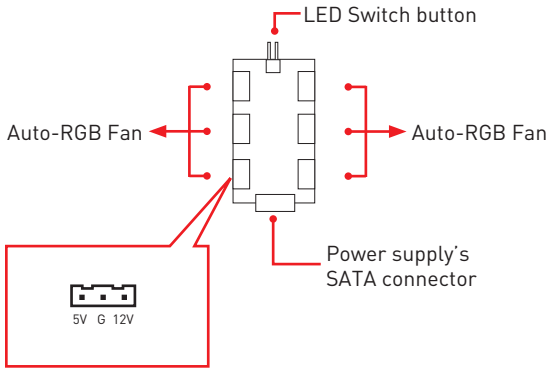
## ⚠️ *IMPORTANT*

- *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)
- Single press for RGB rainbow effect.

- Press again to turn off LED lighting.

# General Information

## Copyright and Trademarks Notice

## Revision History

• Version 1.0, 2023/08, First release.

• Version 1.1, 2024/05, Modifying the note for the ARGB LED Hub.