

ENTHOO ELITE

PHANTEKS
USER MANUAL



Thank you
for choosing

PHANTEKS

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INTRODUCTION

Welcome to Phanteks!

You are now the owner of the world's most premium production gaming enclosure.

Built from premium materials that are engineered with utmost care and attention to detail. A design based on continuous product improvement and innovation throughout the Enthoo Series. Discover the ultimate building experience.

*Phanteks believes that meaningful designs are created through
the fusion of form and function.*

The Phanteks team



SPECIFICATIONS

CASE SPECIFICATIONS

Dimension (WxHxD)	270 mm x 750 mm x 615 mm 10.6 in x 29.5 in x 24.2 in
Form Factor	Extreme Full Tower
Materials	Anodized aluminium panels Powder coated steel chassis Tempered glass sidepanel
MB Support	E-ATX, ATX, Micro-ATX, Mini ITX, EEB
Front I/O	4x USB 3.0, 2x Mic, 2x Headphone, 2x Reset button, RGB control wheel, HDMI 2.0, USB 3.1 Type-C
Side Window	Yes, Tempered glass

PCI SLOTS & DRIVE BAYS

PCI slots	10
Internal 3.5"	13x (6 included)
Internal 2.5"	6x (4 included)

FAN	120 mm	140 mm
Front	4x	4x (3 installed)
Top	4x	3x (1 installed)
Bottom	4x	3x
Midplate	3x	3x
Side	3x	2x
Rear	2x	2x (1 installed)

RADIATOR	120 mm	140 mm
Front	Up to 480	Up to 560
Top	Up to 480	Up to 420
Bottom	Up to 480	Up to 420
Midplate	Up to 480	Up to 420
Side	Up to 360	Up to 280
Rear	120	140

INCLUDED ACCESSORIES

Premium fan 140 mm	5x
PWM fan hub	2x
Pump bracket	2x
3.5" modular HDD bracket	6x
2.5" SSD bracket	4x
Closed top panel	1x
Radiator side panel	1x
Vertical GPU bracket	1x
Power splitter bracket	1x
Dual system bracket	1x
5.25" ODD bracket	1x
Side panel dust filter	1x

CLEARANCE

CPU Cooler	210 mm (8.27 in)
Cable Management	35 mm (1.38 in)
Top Radiator	65 mm (2.56 in)

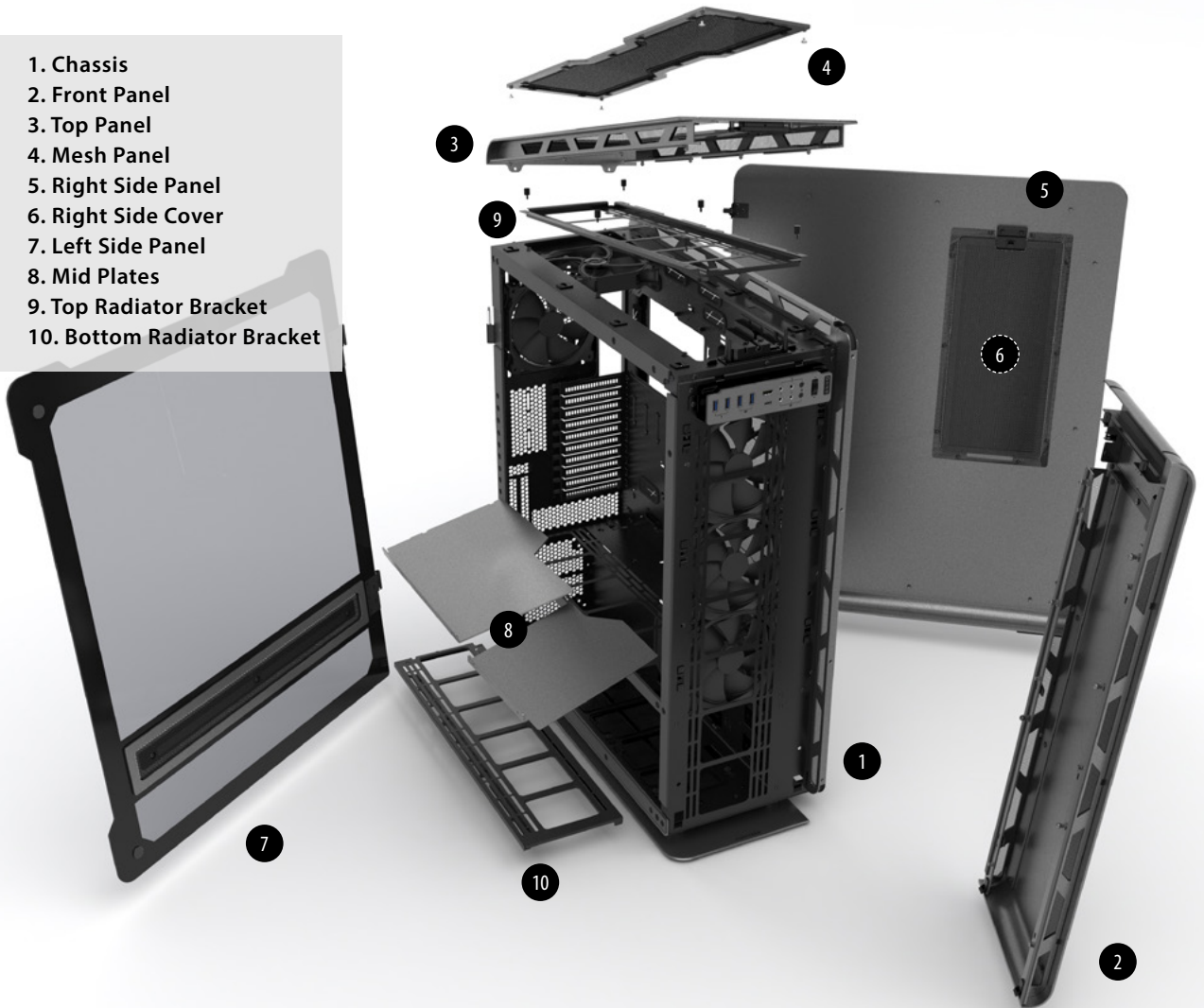
SUPPORT

Contact (International)	support@phanteks.com
Contact (North and South America)	support@phanteksusa.com
Warranty	5 Years*

*see page 40

EXPLODED VIEW

1. Chassis
2. Front Panel
3. Top Panel
4. Mesh Panel
5. Right Side Panel
6. Right Side Cover
7. Left Side Panel
8. Mid Plates
9. Top Radiator Bracket
10. Bottom Radiator Bracket



ACCESSORIES

3.5" MODULAR HDD BRACKET

- 6 included in accessory box
- For 3.5" or 2.5" Drive



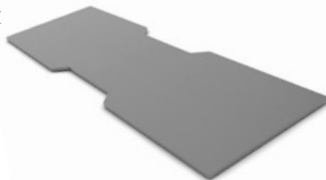
2.5" SSD BRACKET

- 2 Pre-installed
- 2 included in accessory box
- For 2.5" SSD



CLOSED TOP PANEL

- 1 included in accessory box
- Anodized aluminum



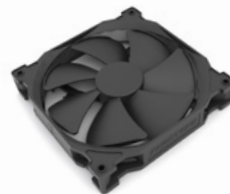
SIDE RADIATOR BRACKET

- 1 included in accessory box
- Up to 280/360 radiators
- Universal reservoir mounts



PREMIUM FAN 140 MM

- 5 Pre-installed
- High static pressure
- Silent operation



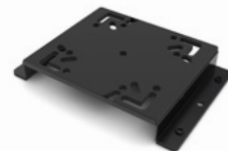
PWM HUB

- 2 Pre-installed
- Provides 6 fan headers
- SATA powered



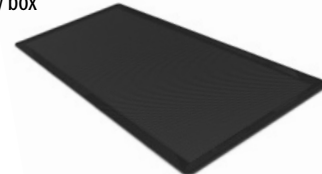
PUMP BRACKET

- 2 Pre-installed
- Universal mounting holes
- Rubber dampening



SIDE PANEL DUSTFILTER

- 1 included in accessory box
- Magnetic
- Washable



VERTICAL GPU BRACKET

- 1 Included in accessory box
- Includes 1 riser-cable
- Slots for dual GPU



DUAL SYSTEM BRACKET

- 1 Included in accessory box
- Supports ITX motherboard
- Supports dual slot GPU



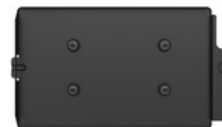
5.25" ODD BRACKET

- 1 Included in accessory box
- Provides two 5.25" bays



POWER SPLITTER / COMBO BRACKET

- 1 Included in accessory box




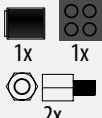








ACCESSORY BAG AND TOOLBOX

Accessory bag

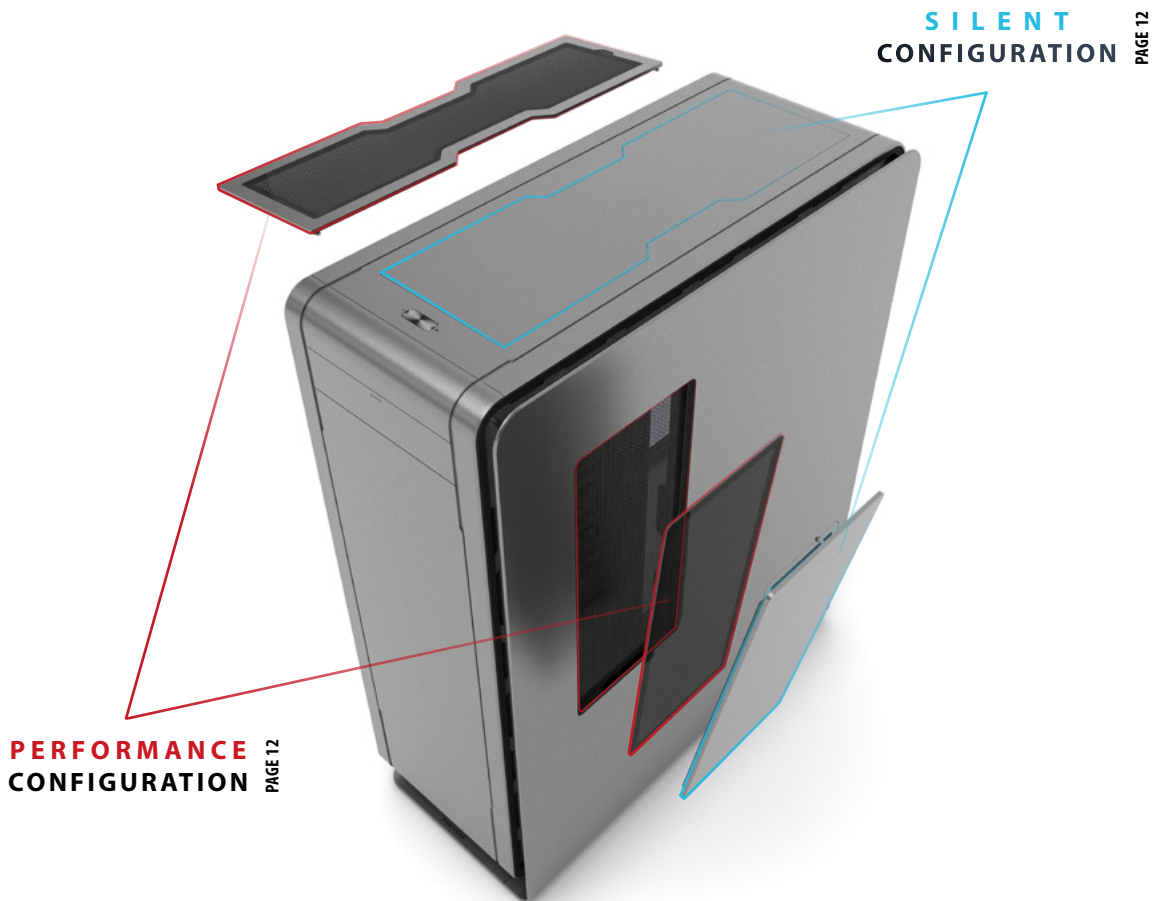
- 1x 8-pin CPU extension cable 500 mm
- 2x RGB extension cable 650 mm
- 1x RGB motherboard adapter 700 mm
- 10x Zip Tie 150 mm
- 3x Spare Velcro ties
- 1x ITX GPU bracket
- Phanteks Logo Badge

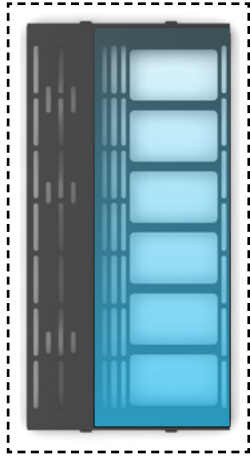
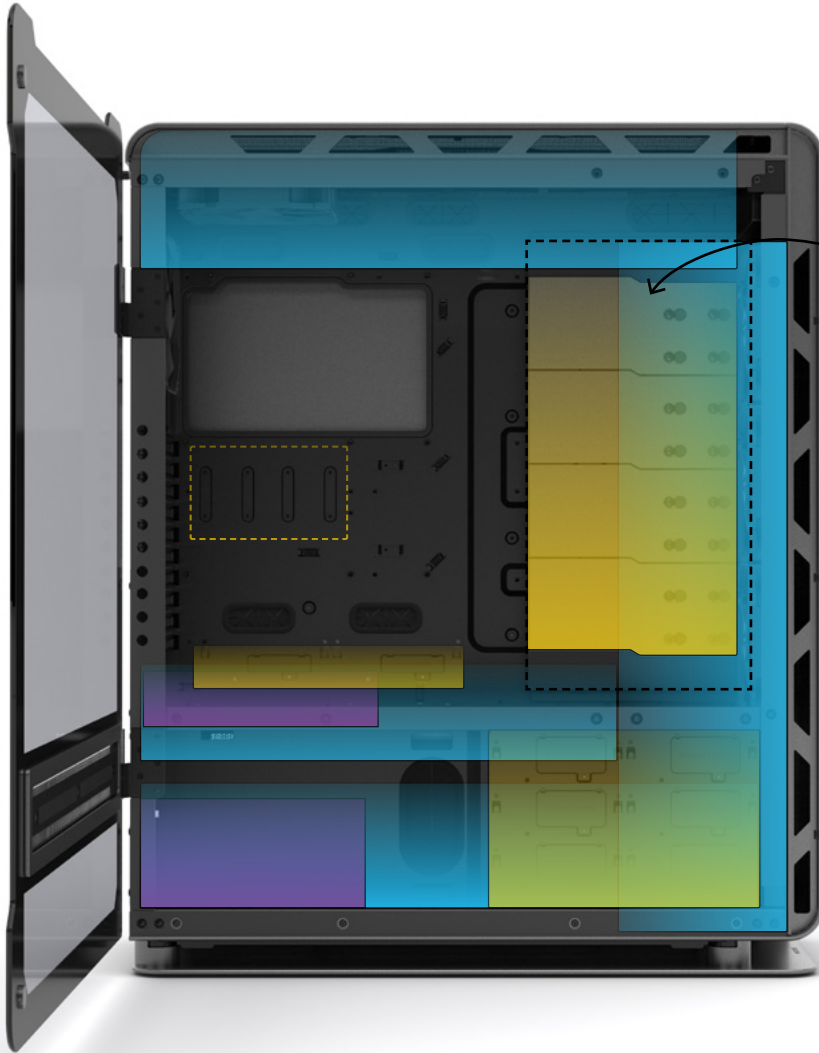
Toolbox

<p>Fan screw</p>  <p>12x</p>	<p>M3x5 mm Motherboard/ SSD / ODD screw</p>  <p>35x</p>	<p>6-32x6 mm Hex screw</p>  <p>14x</p>	<p>Standoff + tool, PSU rubber feet</p>  <p>1x 1x 2x</p>	<p>6-32x31 mm Radiator/fan screw</p>  <p>8x</p>
<p>6-32x6 mm Thumb screw</p>  <p>10x</p>	<p>6-32x6 mm Thumb screw</p>  <p>10x</p>	<p>6-32x5 mm Case screw / Pump bracket</p>  <p>20x</p>	<p>6-32x9 mm HDD grommit screw</p>  <p>24x</p>	<p>6-32x10 mm Thumb screw</p>  <p>2x</p>

CONFIGURE YOUR ELITE

The Enthoo Elite has been designed to deliver the optimal flexibility for any setup. With so many possibilities you can use this overview to choose and plan the best configuration for your build.





PAGE 24

COOLING

PAGE 16/20

STORAGE

PAGE 18

**DUAL
SYSTEM**

PAGE 15/34

GET STARTED

PREPARATIONS

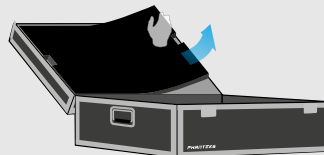
- The Enthoo Elite case is designed to support installation in standing position. Make sure the case is standing stable while building.
- Don't turn on the power to your system until installation is complete.
- Discharge your body's static electric charge by touching a grounded surface before performing any hardware procedure.
- Make sure to consult the manuals of your hardware before installation.

 *If you do not feel comfortable with performing the installation procedure, consult a qualified computer technician.*

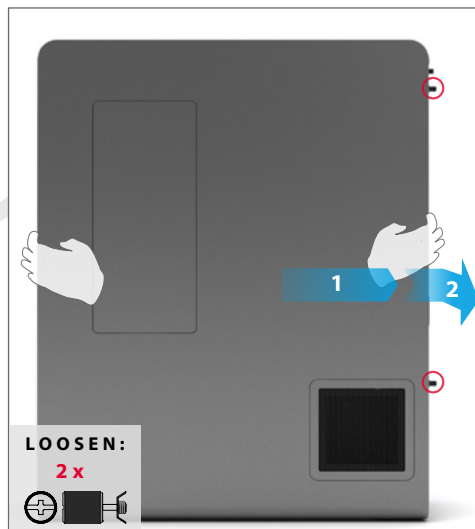
OPENING LEFT WINDOW PANEL



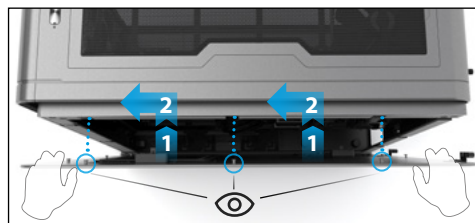
Take out the EVA-foam from the top cover of the packaging to use as base for your hardware placement.



OPENING RIGHT SIDE PANEL



CLOSING RIGHT SIDE PANEL

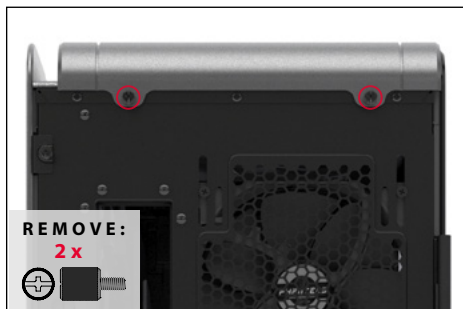


REQUIRE:



FIRST TIME USE

1. OPENING TOP PANEL



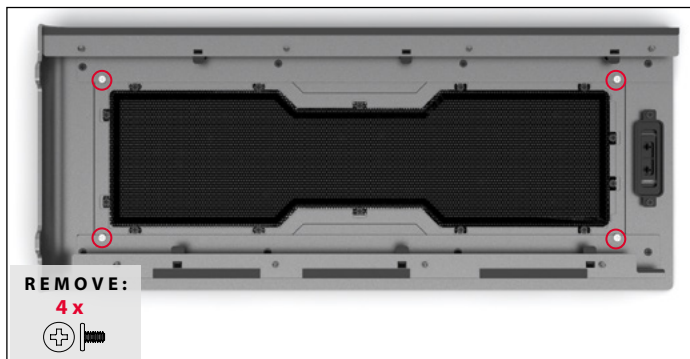
2. OPENING FRONT PANEL



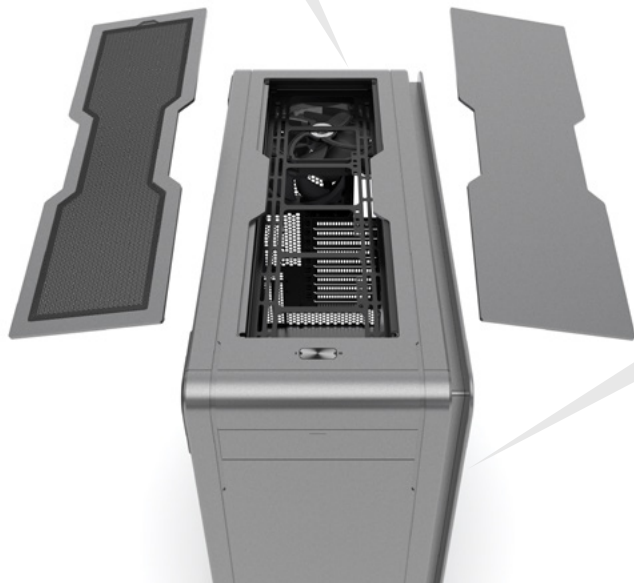
REQUIRE:



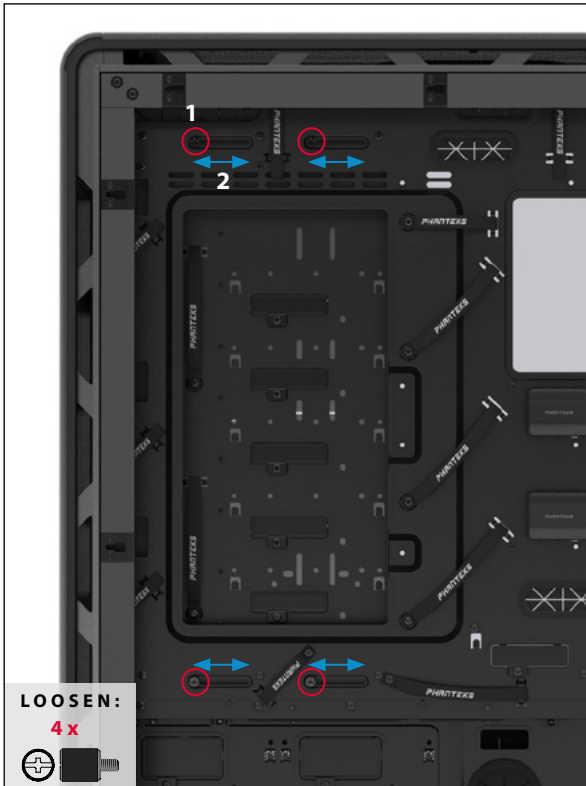
SWAPPING MESH PANEL



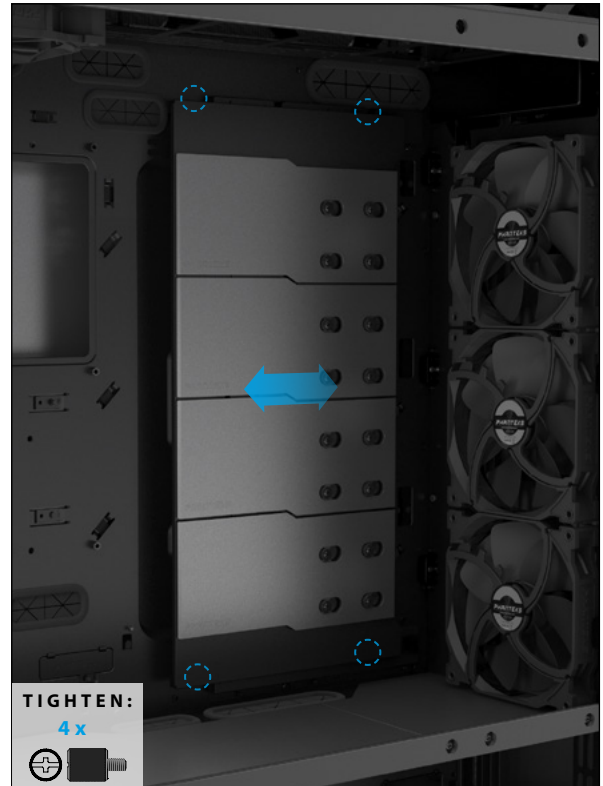
OPENING SIDE COVER



After removing the side cover, equip the magnetic dust filter (found in the accessory box) to protect from dust entering your case.



SLIDING PANEL



1) Slide and position this panel to create more clearance for easier cable management and installation of your hardware. 2) Use this panel to cover your cables after installation. 3) Slide this panel to position mounted components, e.g. water reservoir.

STANDOFF POSITIONING



PRO TIP

These standoffs have a special collar to keep the motherboard in place when installing vertically.



REQUIRE:



For repositioning standoffs



ATX

(Pre-installed)



E-ATX

(Pre-installed)



Micro ATX

install extra standoffs



SSI EEB

install extra standoffs



XL ATX

install extra standoffs



Some motherboard types require installation / repositioning of the standoffs. Please consult your motherboard manual for the correct standoff positioning.

INSTALLING POWER SUPPLY

PRIMARY POWER SUPPLY



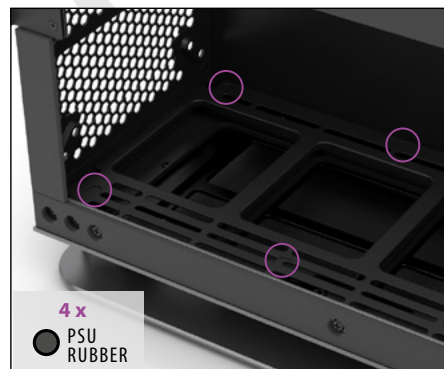
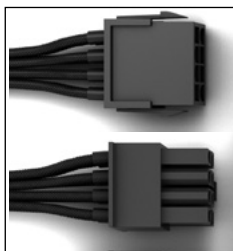
DUAL POWER SUPPLY



REQUIRE:



Make use of the included 8-Pin extension cable if the 8-Pin cable from your power supply is too short.

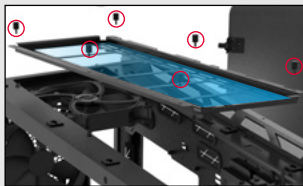
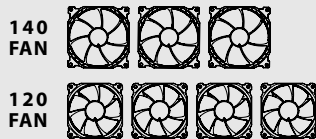


INSTALLING FANS

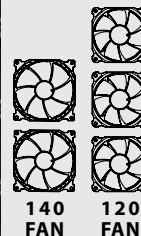
REQUIRE:



TOP

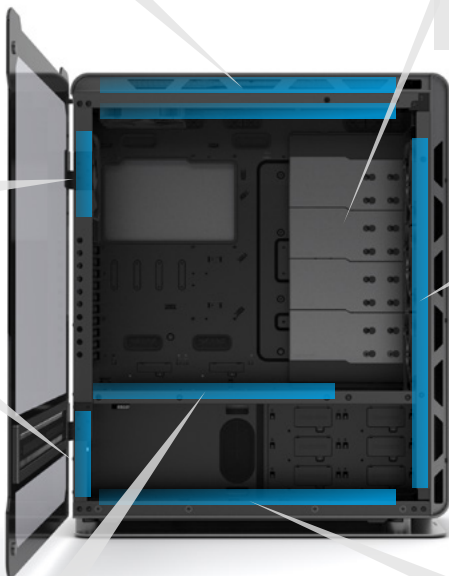
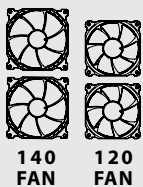


SIDE

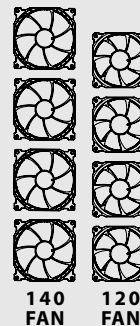


**require side radiator bracket installation*

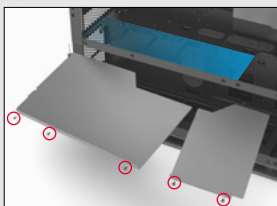
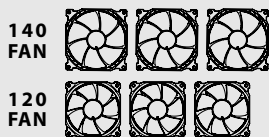
REAR



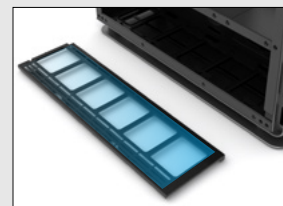
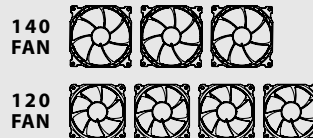
FRONT



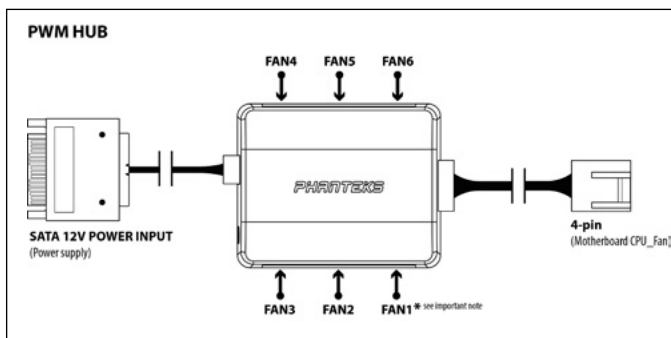
MIDPLATE



BOTTOM



CONNECTING PWM HUB



The "Fan 1" connector should always be connected to a fan. The motherboard will read the RPM signal from this fan and all other fans will be regulated according to FAN 1. Y-splitters should not be connected to FAN 1.

1. CONNECT THE 4-PIN CABLE TO THE MOTHERBOARD PWM FAN HEADER



Not all 4-pin fan headers on a motherboard provides true PWM signal. Please consult the motherboard manual for the correct fan header.

2. CONNECT YOUR FANS TO THE PWM HUB

3. CONNECT THE 12V SATA CABLE TO THE POWER SUPPLY

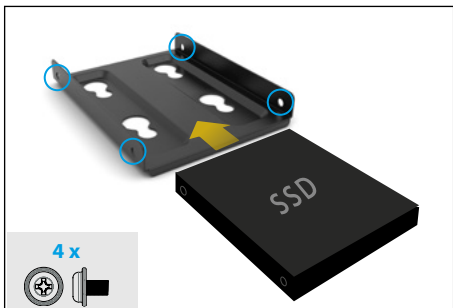


Please connect the 12V SATA cable if your motherboard 4-pin PWM fan header is providing insufficient power to the PWM hub.

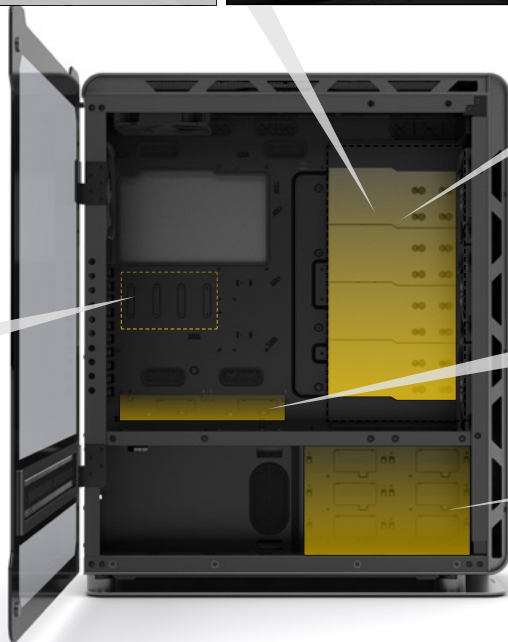


INSTALLING DRIVES

2.5" SSD INSTALLATION

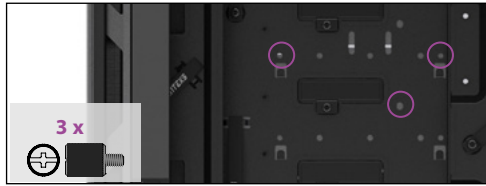
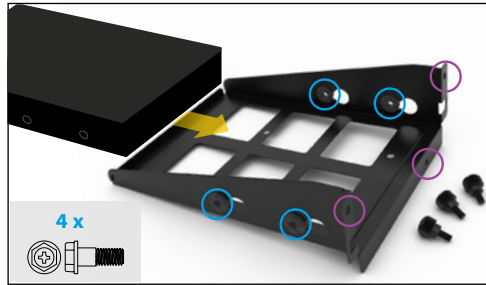


Remove the aluminum plates in this order.

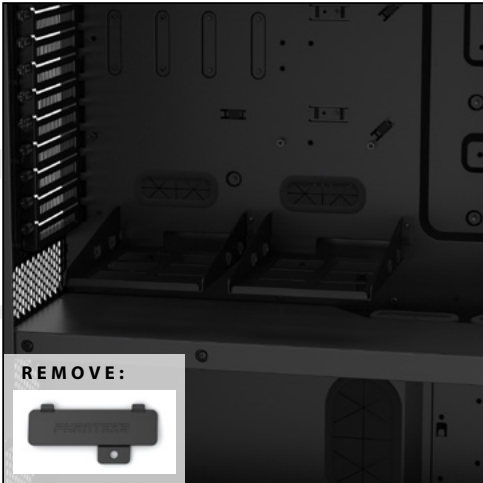
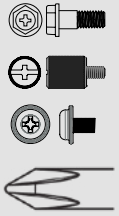




3.5" HDD INSTALLATION

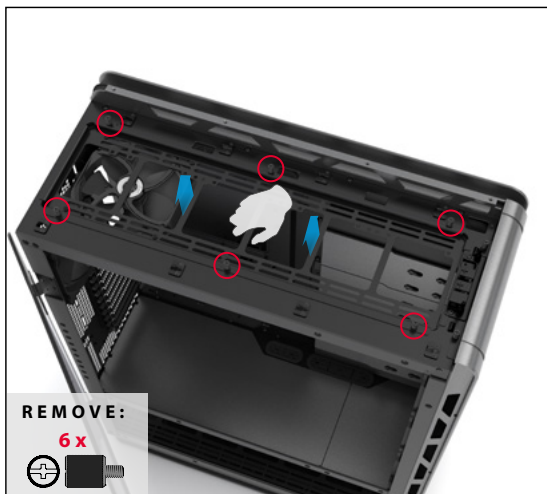


REQUIRE:



INSTALLING WATER COOLING

TOP



RADIATOR INSTALLATION



■ 120 form factor
■ 140 form factor

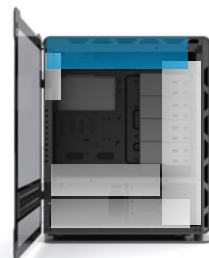
○ 120 form factor-offset



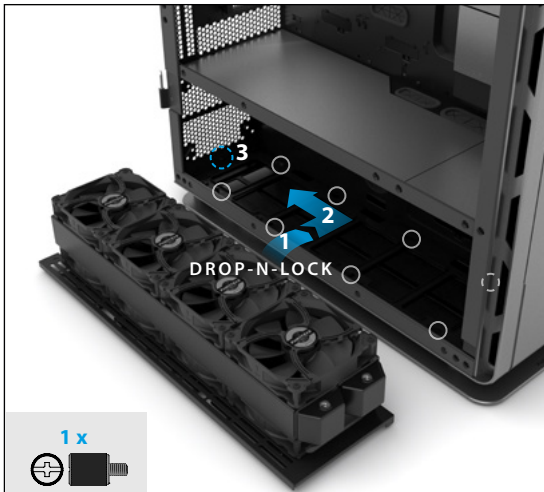
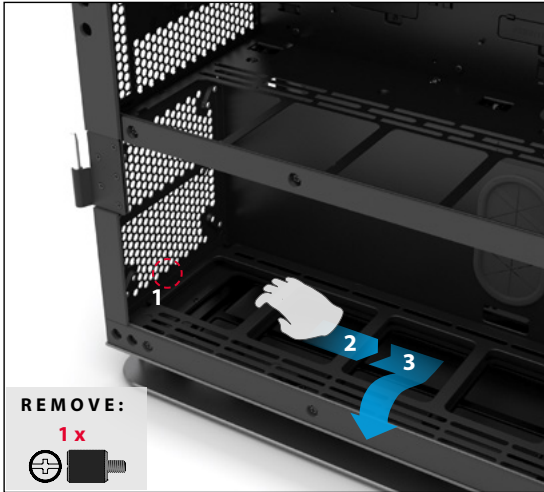
120 FORM FACTOR



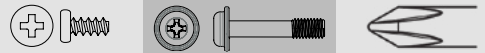
140 FORM FACTOR



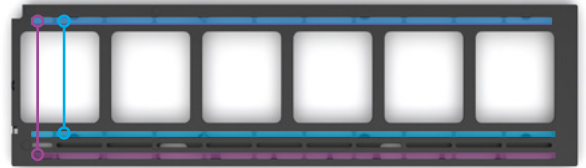
BOTTOM



REQUIRE:



! Please use the radiator screws that come with your radiator. When using the Phanteks radiator screws make sure the threading matches with your radiator's.

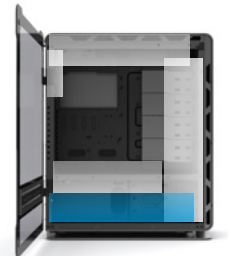


■ 120 form factor
■ 140 form factor

120 FORM FACTOR



140 FORM FACTOR



FRONT

Remove 1) Top panel 2) Front panel in order to install the front radiators. See page 11.

120 FORM FACTOR

120

240

360

480

140 FORM FACTOR

140

280

420

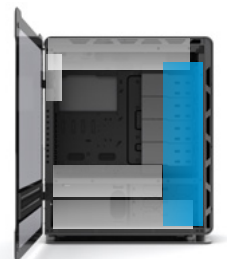
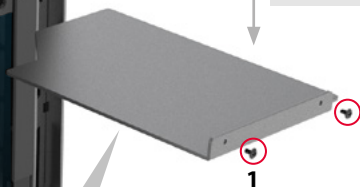
560

REMOVE:

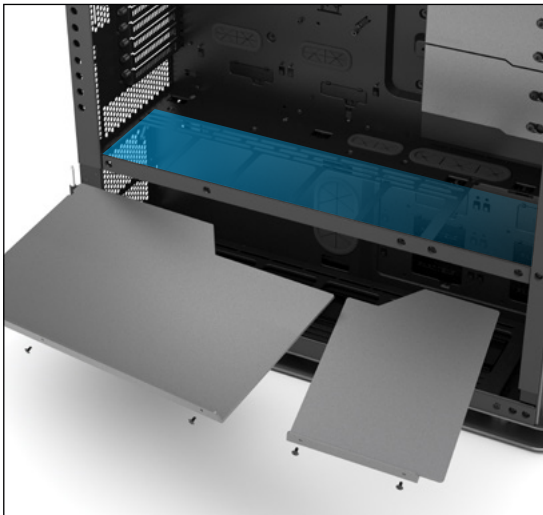
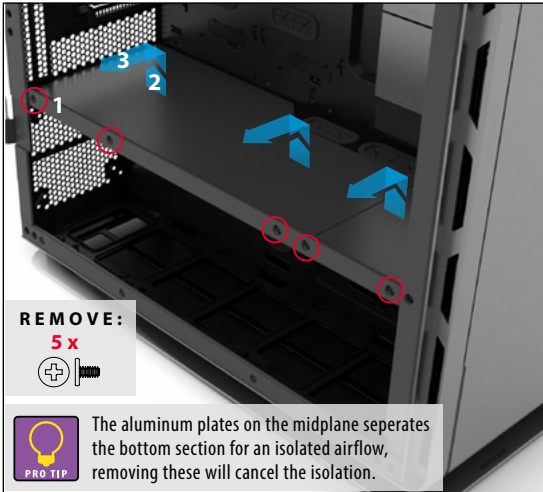
2 x



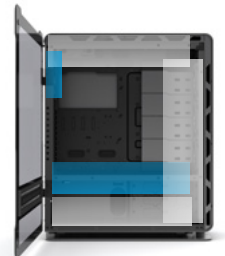
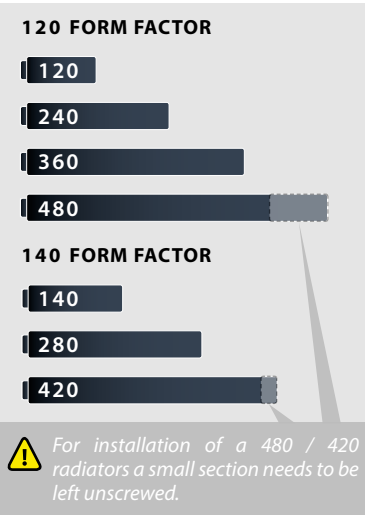
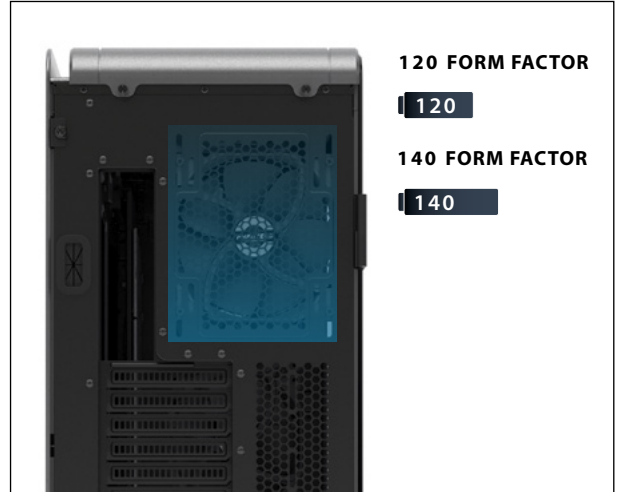
For installation of radiators longer than 440 mm, it's required to remove the aluminum mid-cover. Remove the stock fan, sitting on top, prior to removing the mid-cover.



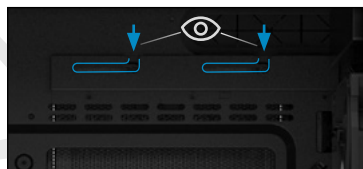
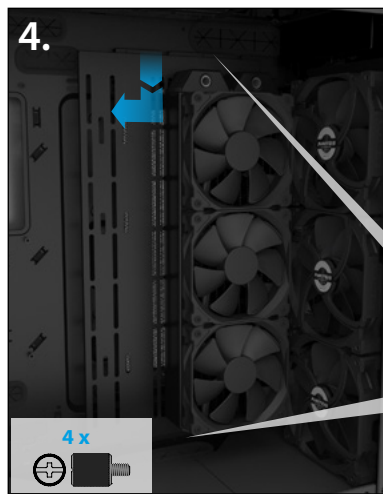
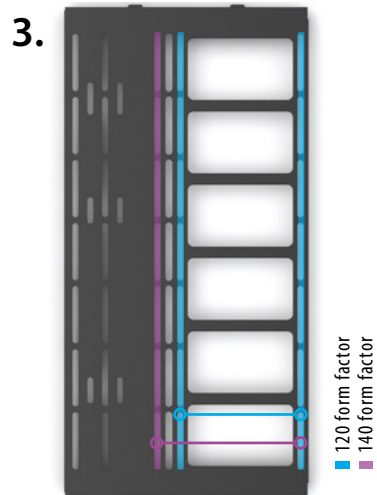
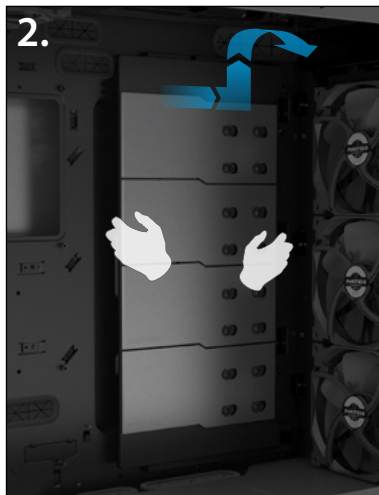
MIDPLANE



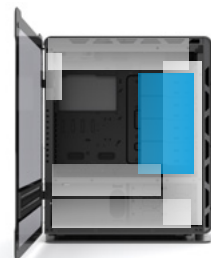
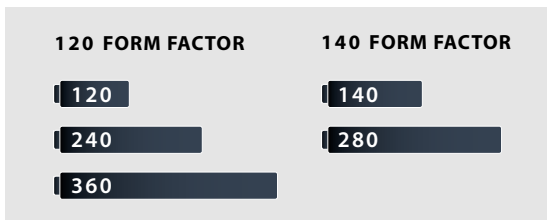
REAR



SIDE

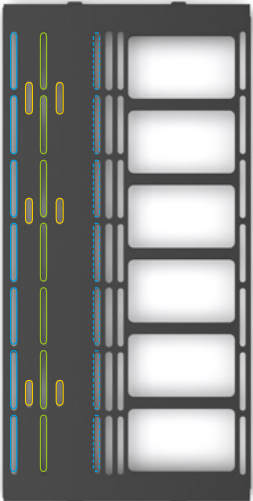
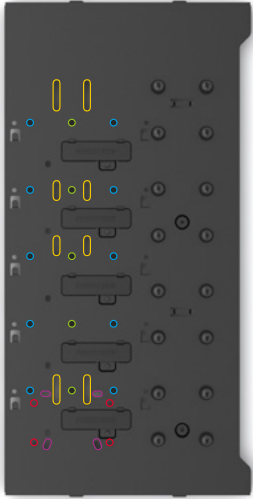


Remove the right side panel cover for optimal airflow. See page 12.



INSTALLING WATER COOLING

SIDE



SIDE RADIATOR BRACKET

PUMP/RES COMBO

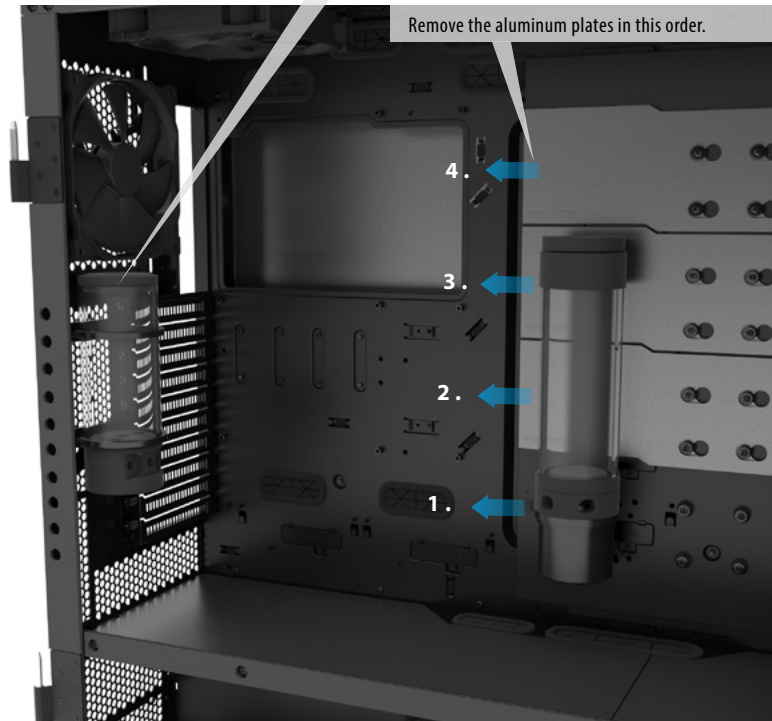
- EKWB D5
- DDC 42-45 mm

RESERVOIR

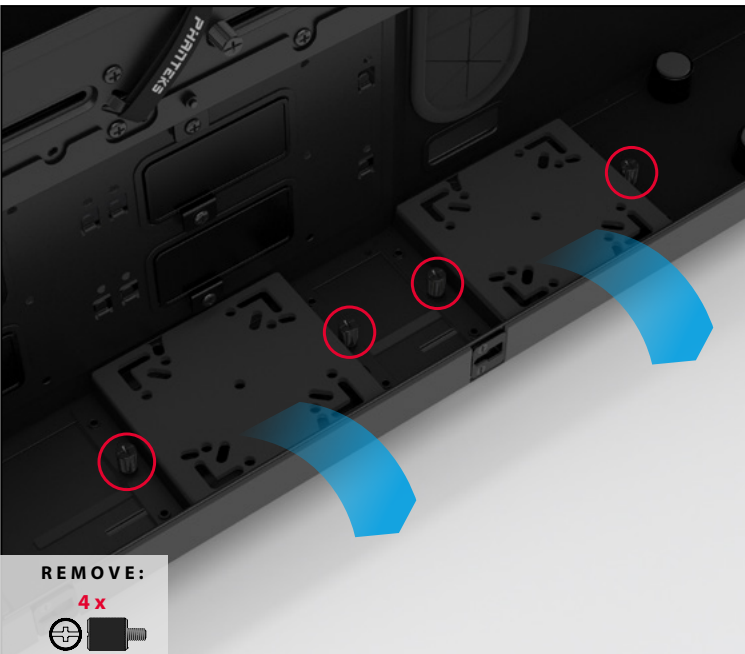
- Centered
- 26 mm spacing
- 71.5 mm spacing

RESERVOIR INSTALLATION

REAR




INSTALLING WATER COOLING

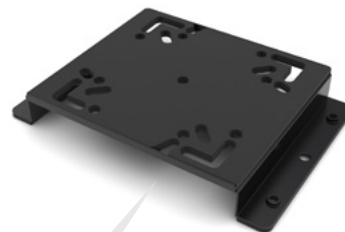


PUMP INSTALLATION

REQUIRE:

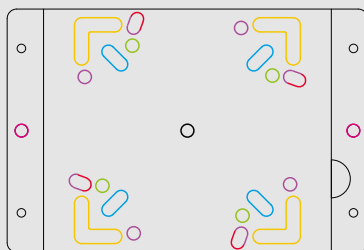








 Please use the pump screws that come with your pump to mount on the pump bracket.

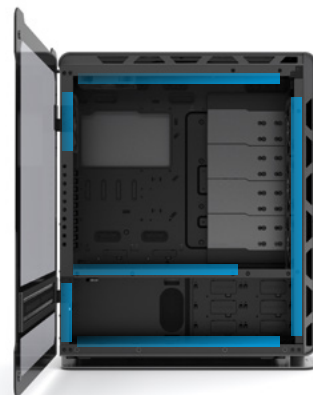


PRO TIP Phanteks' pump bracket can also be 1) mounted on a 120 mm fan mount location or 2) onto a 120 mm fan. This can be very useful for positioning pump/reservoir combo solutions.

PUMP BRACKET MOUNTING HOLES:

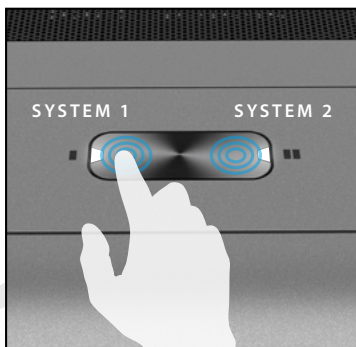
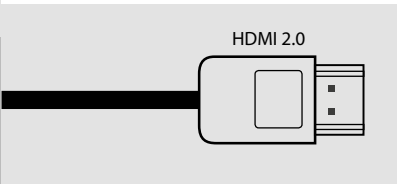



-  Standard D5
-  Swiftech MCP
-  EKWB D5
-  EHEIM
-  DDC 42-50 mm
-  120 mm fan mount



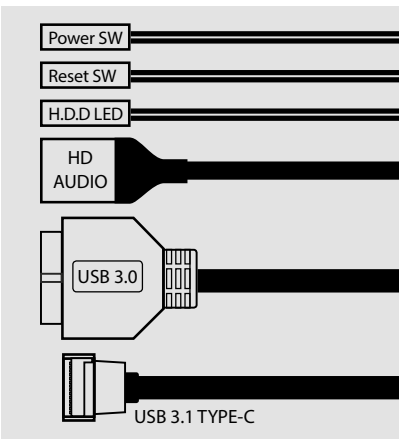
CONNECTING FRONT I/O

TO GPU

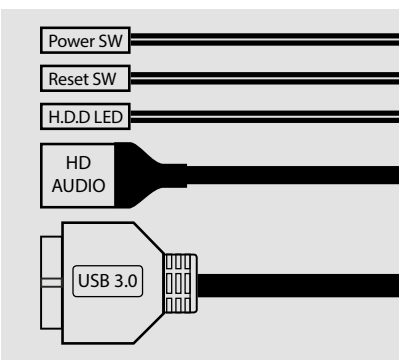


 Please make sure to consult your motherboard manual before connecting your front I/O.

SYSTEM 1

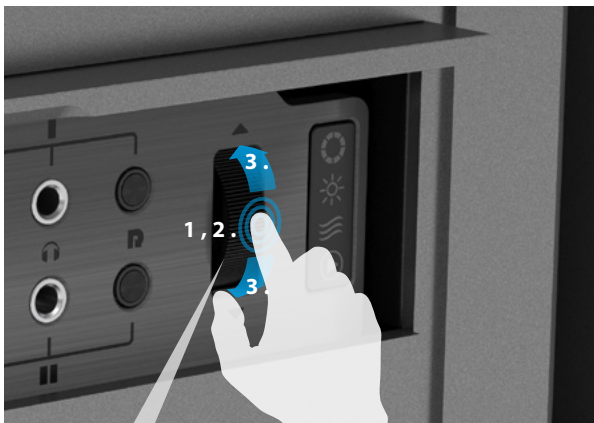


SYSTEM 2



It's possible to connect the "system 2" USB 3.0 connector to "system 1" to configure 4x USB 3.0 for one single system.

RGB LIGHTING



- 1. Press (hold):** Switch LED lights On/Off
- 2. Short Press:** Choose Mode
- 3. Scroll (Up / Down):** See Mode list.

MODE LIST



MODE 1 - Static

Scroll: Select color



MODE 2 - Brightness control

Scroll: Adjust brightness



MODE 3 - Breathing

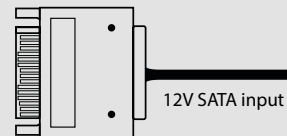
Scroll: Select color



MODE 4 - Color cycle

Scroll: Adjust cycle speed

TO PSU



12V SATA input

TO PHANTEKS RGB LEDSTRIPS



RGB connector
(expansion)

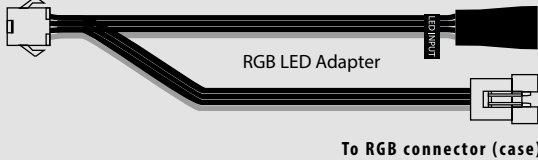


PRO TIP Use the included RGB Extension cables (in accessory bag) to reroute the RGB connector for extra reach. For example when connecting Phanteks RGB watercooling products. You could also connect an RGB LED strip and route it for external use.

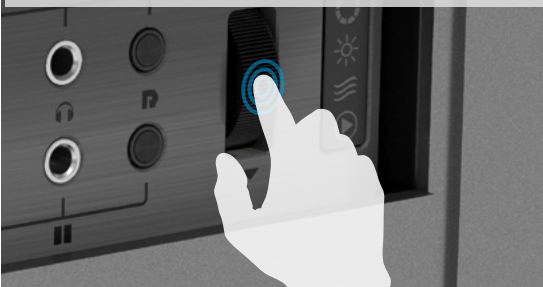
SYNC CASE LIGHTING WITH RGB MOTHERBOARD

To Phanteks RGB LED Strip (expansion)

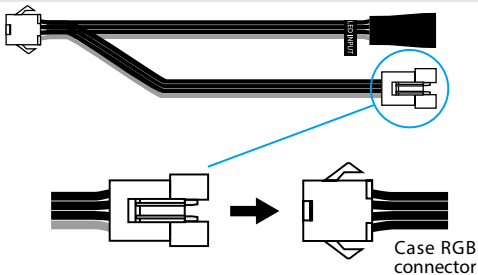
To RGB Motherboard



1. Switch off the case LED control panel. Press and hold until lights turn off.

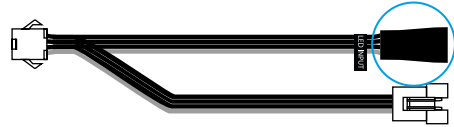


2. Connect the RGB LED Adapter to the case RGB connector.

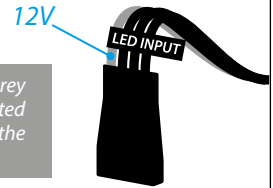


Use the included RGB Extension cables (in accessory bag).

3. Connect the RGB LED adapter to the motherboard's RGB LED header



Make sure the 12V pin (grey colored cable) is connected to the 12V pin on the motherboard header.



MOTHERBOARD
RGB HEADER



4. Run the Motherboard RGB LED software and follow the instructions to set up your RGB LED lights.



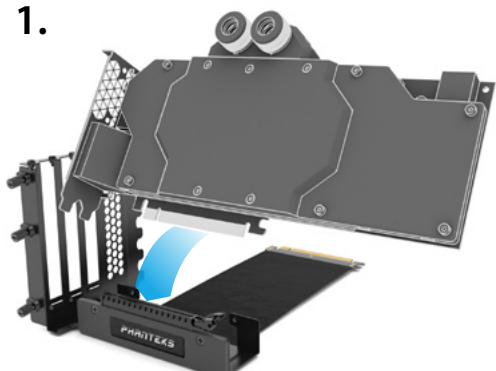
Selected motherboard brands will allow color calibration of your connected LED strips.

INSTALLING VERTICAL GPU BRACKET

REQUIRE:



1.

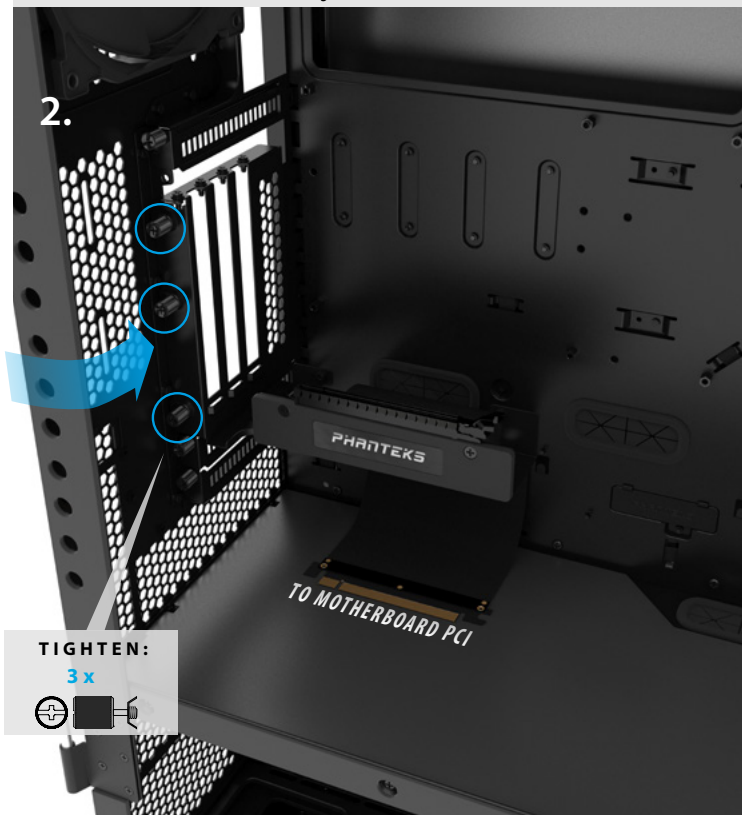


1 PCI slot won't go into the bracket. It's possible that using the vertical GPU bracket will unblock the use of the DVI port.



The vertical GPU bracket can't be installed in the first PCI slot. Install the GPU bracket in the 2nd, 3rd or 4th slot. Plug the Riser cable to your motherboard before mounting the vertical GPU bracket.

2.



TIGHTEN:

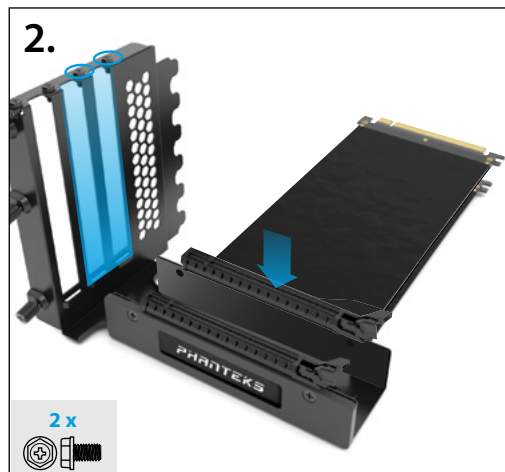
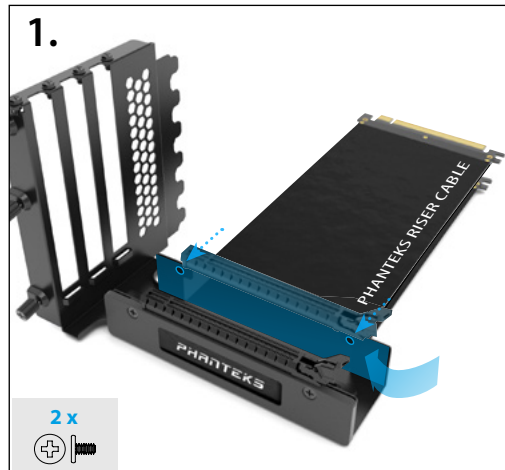
3 x



2 x



USING THE 2ND SLOT ON THE VERTICAL GPU BRACKET



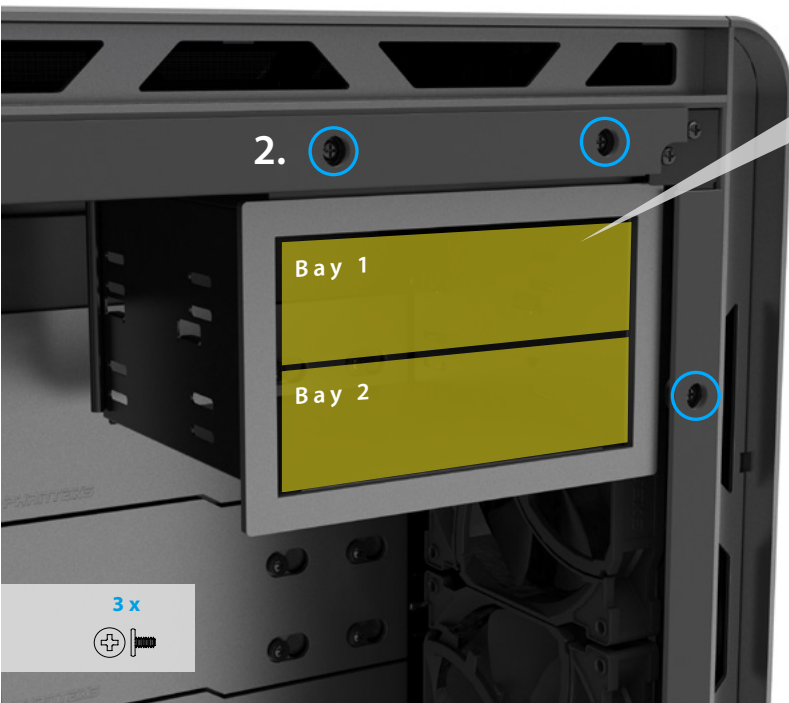
REQUIRE:



2nd Phanteks Riser Cable
(not included)

INSTALLING 5.25" ODD BAY

REQUIRE:



2.

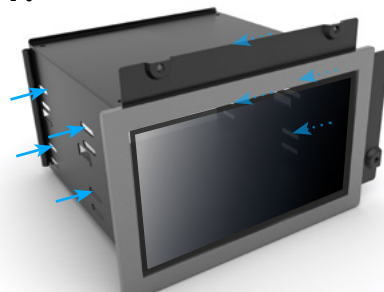
Bay 1

Bay 2

3 x



1.



8 x



! The clearance between the 5.25" devices and the Tempered Glass side panel is 6,5 mm (2.5 in). Make sure your 5.25" device front panel won't be higher than 6,5 mm (2.5 in) so there will be no conflicts when closing the Tempered Glass side panel.

INSTALLING POWER SPLITTER / COMBO BRACKET

REQUIRE:

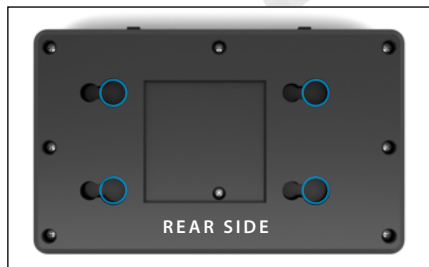


POWER COMBO (NOT INCLUDED)
PH-PWCOB_2P1M

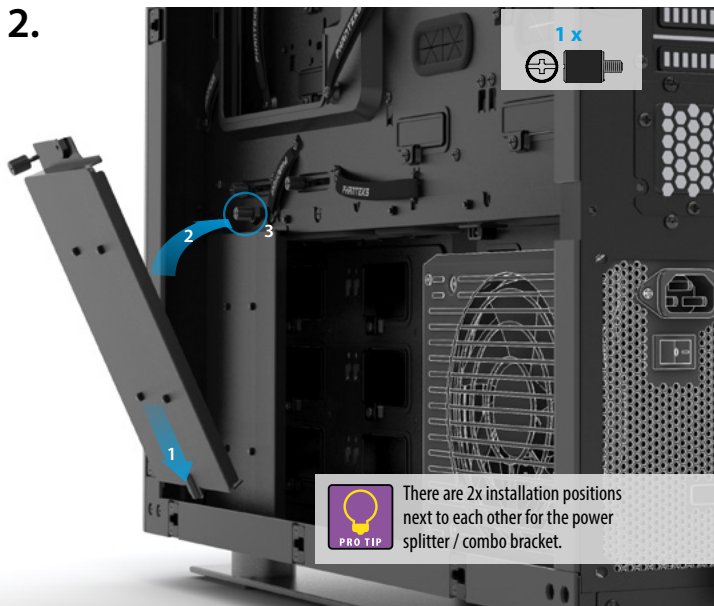
POWER SPLITTER (NOT INCLUDED)
PH-PWSPR_1P2M



1.



2.

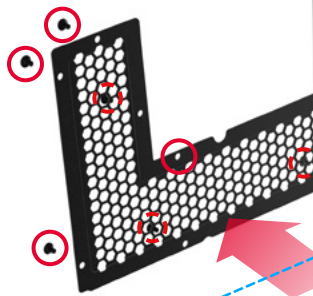


There are 2x installation positions next to each other for the power splitter / combo bracket.

INSTALLING DUAL SYSTEM

1. REMOVE REAR PLATE + MIDPLATE (SEE PAGE 23)

8 x



2. INSTALL ITX GPU BRACKET

2 x

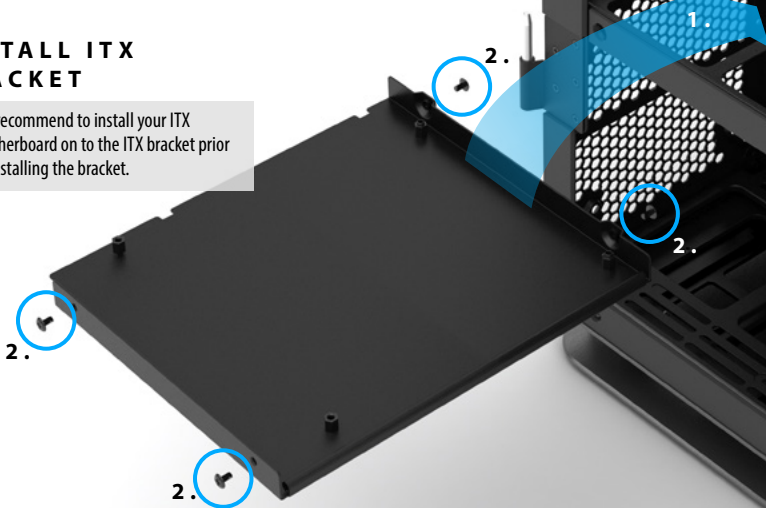


3. INSTALL ITX BRACKET



We recommend to install your ITX motherboard on to the ITX bracket prior to installing the bracket.

4 x



REQUIRE:



DUST FILTERS

 TOP PANEL FILTER




We recommend to clean your filter once a month for optimal performance. Use running water to clean your filters and let it dry up before putting back to use.



WINDOW
PANEL
FILTER





 PSU FILTER

 SIDE PANEL FILTER

MORE RGB

The RGB controller in the Enthoo Elite supports up to 5 meters of LED strips. This allows you to expand your LED lighting throughout the entire case as well as outside the case.



WE PROVIDE THE FOLLOWING RGB LED PRODUCTS:

COMBO SET (NOT INCLUDED) PH-LEDKT_CMBO

- 2x 40cm magnetic RGB-LED strip
- Extension cable
- Motherboard RGB adapter
- High quality 3M adhesive

400 MM EXTENSION (NOT INCLUDED) PH-LEDKT_M4

- Easy installation thanks to magnets
- High quality 3M adhesive included

1M LED STRIP (NOT INCLUDED) PH-LEDKT_M1

- Easy installation thanks to magnets
- High quality 3M adhesive included

2M LED STRIP (NOT INCLUDED) PH-LEDKT_M2

- Easy installation thanks to magnets
- High quality 3M adhesive included

RGB LED ADAPTER PH-CB_RGB4P

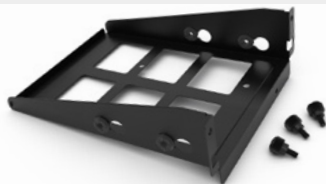
- Also functions as an extension cable
- Allows you to synchronize with other RGB products using the industry standard connector

EXPAND AND UPGRADE

The Enthoo Elite has been designed for maximum compatibility for any type of system. With these upgrades you can maximize your storage capability's and expand your power options.

3.5" MODULAR HDD BRACKET PH-HDDKT_02

- For 3.5" or 2.5" Drive



POWER SPLITTER HUB PH-PWSPR_1P2M

- Power a Dual System with one power supply



2.5" SSD BRACKET PH-SDBKT_01

- For 1x 2.5" SSD



POWER COMBO HUB PH-PWCOB_2P1M

- Combines 2 power supply's to maximize your power output and stability of your system with redundancy feature



3.5" HDD BRACKET PH-HDDKT_01

- For 1x 3.5" HDD drive
- Can be mounted on the power splitter bracket



PHANTEKS PH-F120MP / PH-F140MP

- High static pressure
- Silent operation
- 120 mm and 140 mm sizes
- Available in Black or White



CABLE EXTENSION SET PH-CBCMB0

- Available in multiple colors
- Includes clear cable combs
- Also available as separate cables

Included cables:
- Motherboard 24-pin
- CPU 4+4-pin
- 2x GPU 6+2-pin



CONTACT US

As a Phanteks customer, you are priority number one. We have a dedicated team of employees across the globe working hard every day to make sure we deliver the superior experience you deserve. We are here for you. If you have a question or a concern about our products, we have numerous ways you can reach us. Please choose one most convenient for you to connect with our team.

CUSTOMER CARE

RMA and Technical Support

Hours : Monday-Friday 9:00-5:00 PST

Phone number : +1(909)598-2115

Email us : support@phanteksusa.com (US)

Email us : support@phanteks.com (International)

WARRANTY

PHANTEKS warrants its products to be free from defects in material and workmanship during the warranty period; when given normal, proper and intended usage. If a product proves to be defective in material or workmanship during the warranty period, PHANTEKS will, at its sole option, repair or replace the product with same product or similar product. The replacement product assumes the remaining warranty of the original product or 30 days, whichever provides longer coverage for the customer.

Duration of warranty:

1. FANS - 5 years
2. I/O Port - 2 years
3. PWM Hub - 2 years
4. LED Strip - 2 years
5. LED On/Off Switch - 2 years
6. Chassis - 5 years
7. Front and Top Panels - 5 years

Please check www.phanteks.com/Warranty for more information.



PHANTEKS