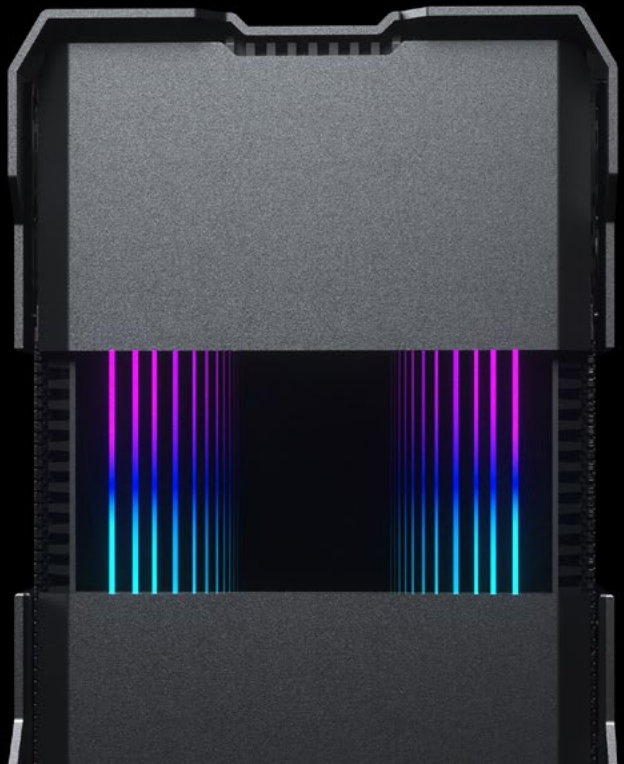
EVOLV SHIFT XT

PHANTEKS

USER MANUAL V1.2



Thank you

for choosing

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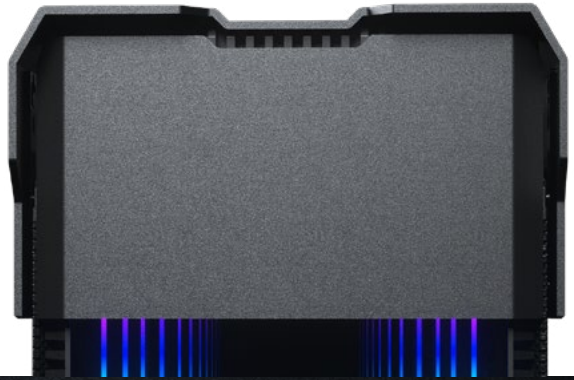
Introducing the Phanteks Evolv Shift XT

The Phanteks Evolv Shift XT is a truly unique small form-factor chassis that extends to unlock more cooling capacity when needed. Being part of the Phanteks Evolv series, the Evolv Shift XT offers premium build quality and components using 3mm thick anodized aluminum panels, PCI-e X16 Gen4 riser cable and USB-C Gen2 front IO. Performance is uncompromised with Ultra-Fine Mesh panels and vented aluminum panels while providing a clean and stylish look with the tempered glass infinity mirror.

The Phanteks team



Case Specifications

Dimension (DxWxH):	S: 371 x 173 x 211 mm M: 371 x 173 x 244 mm L: 371 x 173 x 272 mm
Form factor:	Small form factor chassis
Materials:	Steel chassis, Aluminum panels, Tempered glass infinity mirror
MB support:	Mini-ITX
Front I/O:	Power button, 1x USB 3.0, D-RGB Mode, D-RGB Color, USB 3.1 GEN 2 Type-C

PCI Slots & Drive Bays

PCI slots	3x
Internal 2.5"	1x

Fan	120mm	140mm
Top	2x	2x

Radiator	120mm	140mm
Top	up to 240mm	-

Included accessories

2.5" SSD bracket	1x
Riser Cable PCI-e X16 Gen4	1x
Rear covers	2x
Accessory bag	1x
Toolbox	1x

Clearance

CPU Cooler Clearance	72 mm (2.83 in)
GPU Clearance (length)	324 mm (12.76 in)
GPU Clearance (height)	147mm (5.79 in)
GPU Clearance (thickness)	3-slot, 62mm (2.44 in)
Top fan Clearance	32 mm
Top radiator+fan Clearance	60 mm

Support

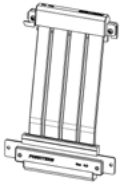
Contact (International)	support@phanteks.com
Contact (America)	support@phanteksusa.com
Warranty	5 Years, see page 28

2.5" SSD bracket

- Pre-installed
- Single Bracket

Riser Cable Gen4

- Pre-installed
- PCI-e X16 Gen4



Accessory box

Accessory box

Rear Cover for Fan

Rear Cover for AIO + Fan

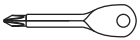
9x MB/SSD Screws

4x PSU Screws

2x Spare Top Panel standoffs

3x Rear Cover Screws

6x Zip Tie 150mm



1x Screw Driver

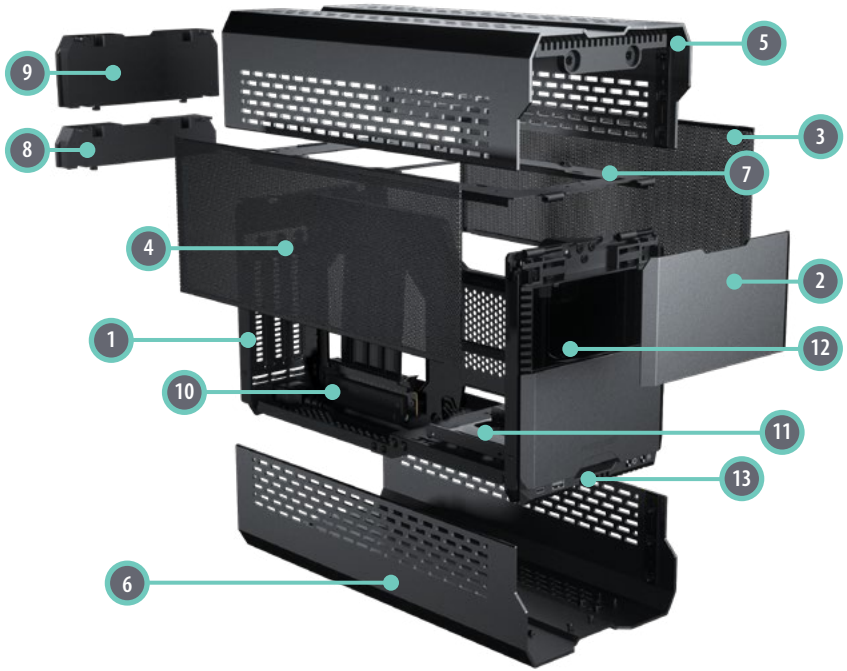
1x Riser Lock

1x Phanteks Logo Badge

Dust Filter box

Top Dust Filters

1. Chassis
2. Front cover
3. Right side mesh panel
4. Left side mesh panel
5. Top panel
6. Bottom panel
7. Radiator bracket
8. Rear cover for fan
9. Rear cover for fan + radiator
10. Riser cable
11. Single SSD bracket
12. Infinity Mirror
13. Front I/O



The Digital-RGB lighting can be easily controlled with the 2 buttons in the front of the chassis. Slide the front cover up to access them.

D-RGB COLOR BUTTON

D-RGB MODE BUTTON

D-RGB CONTROLS

Ⓜ MODE	COLOR
Solid	
Breathing	
Radar	
Sparkle	
Rainbow	

2 sec **Press & Hold MODE:** Turn off all LED's.

The Evolv Shift XT can be extended into 3 configuration. Choose the best configuration suited to your needs:

- Compact; highly space-efficient layout with direct fresh air for the GPU and CPU coolers.
- Air Boost; boost the airflow across the entire system with 2x 120mm or 140mm fans in the top.
- Liquid Cooled; install a 240 AIO liquid cooler for the best possible cooling.

Overview of each configuration:

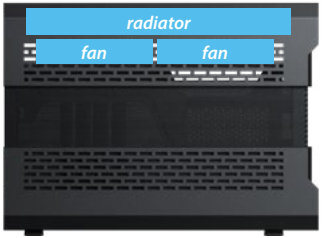
Compact configuration

- CPU air cooler up to 72mm tall
- Direct fresh air for GPU cooler

Air Boost configuration

- Raises chassis height by 30mm
- CPU air cooler up to 72mm tall
- increased airflow with 2x 120 or 140mm fans

Liquid Cooled configuration



- Raises chassis height by 60mm
- 240 AIO liquid cooler in top
- Increased airflow with 2x 120 fans (on 240 radiator)

Removing the top panel

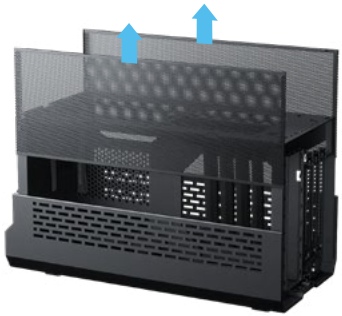
1. Remove the magnetic aluminum front panel

2. Slide the locks inwards to unlock

3. Slide the top panel to the front and lift the top panel up with two hands

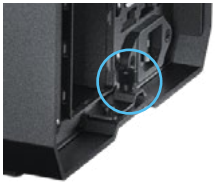
Removing the mesh panels

1. Slide the mesh panels up to remove them

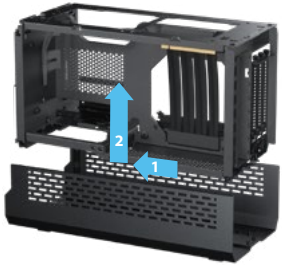


Remove the chassis

1. Remove the thumb screw at the rear



2. Slide the chassis to the front and lift it from the bottom panel



Remove the radiator bracket

1. Unscrew the two chassis screws to lift up the radiator bracket.

2. Slide the radiator bracket sideways to completely remove it.

It is recommended to install the motherboard first so most cables can be connected to it easily.

1. Install the CPU air cooler and/or backplate on the motherboard first
2. Secure the motherboard with 4x motherboard screws

REQUIRES:

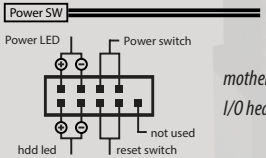
4 x

Aircooler build ?

When using an aircooler build, pre-install it before installing the motherboard and perform step 1&2 of the next page first.

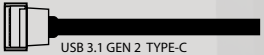
It is recommended to connect all motherboard cables at this stage:

1. Connect the 8-pin CPU connector
2. Connect the CPU Fan/Pump connector(s)
3. Connect the 24-pin Motherboard connector
4. Connect the Power Button connector

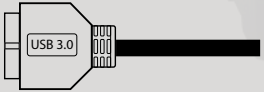


motherboard front I/O header diagram

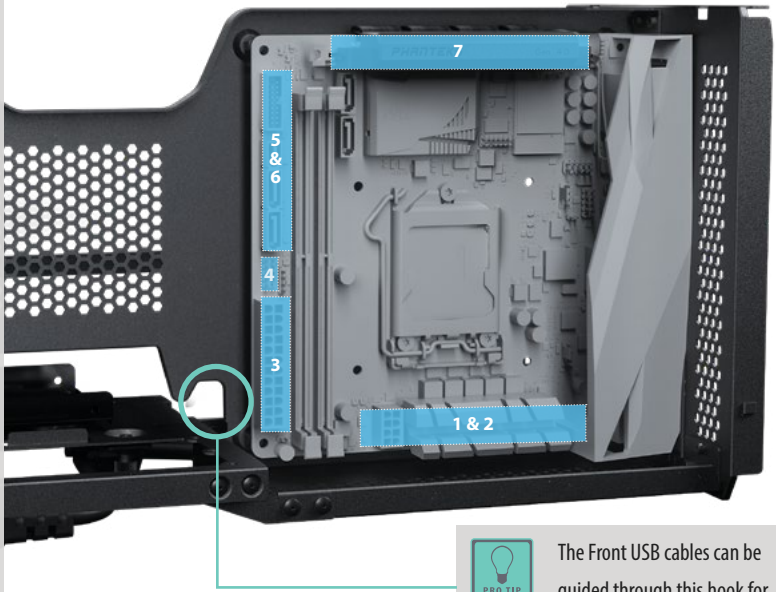
5. Connect the Front USB-C connector



6. Connect the Front USB 3.0 connector



7. Connect the Riser Cable to the PCI-e slot. Secure the riser cable with the riser lock (see page 25)



PRO TIP

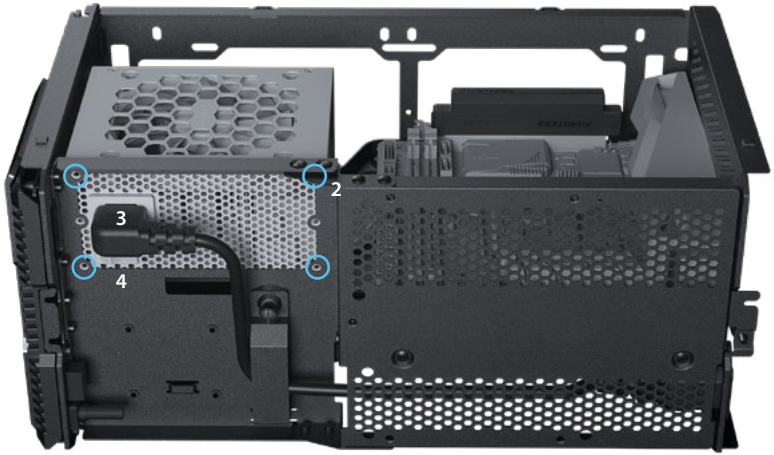
The Front USB cables can be guided through this hook for the best cable management.

An SFX or SFX-L power supply can be installed in the Shift XT chassis, the SFX form-factor is recommended.

REQUIRES:

4 x

1. Turn the chassis on the side like the picture below
2. Install the SFX/SFX-L PSU with four PSU screws
3. Plug in the Power extension cable
4. Turn the power switch to the 'ON' position



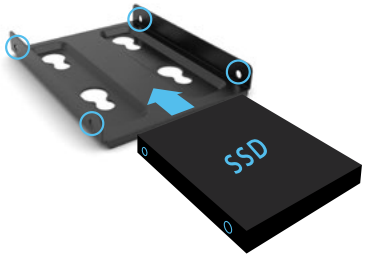
Install an SSD

REQUIRES:

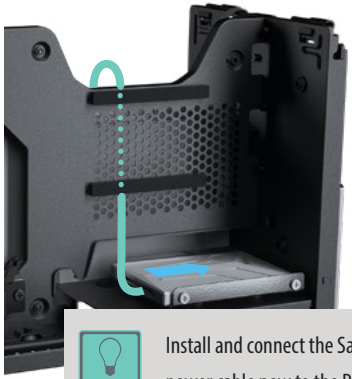
4 x

1. Remove the SSD Bracket by sliding it off the 4x grommets

2. Install your SSD drive on the SSD bracket with 4x SSD screws



3. Slide the bracket with installed SSD back on the 4x grommets



PRO TIP

Install and connect the Sata power cable now to the PSU, SSD and chassis lighting before proceeding with GPU installation.

A 3-slot graphics card (GPU) can be installed with a length up to 324mm and a total height of up to 147mm.

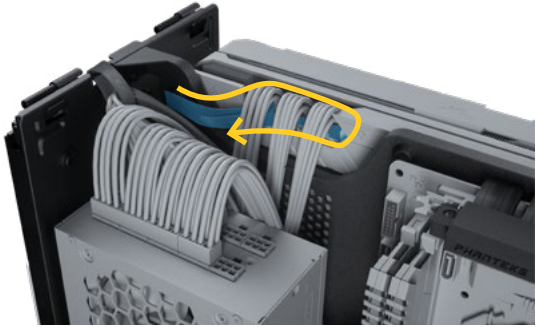
Installing the graphics card:

1. Remove the 3 PCI-Slot covers by unscrewing the thumb screws.
2. Install the GPU into the GPU slot and secure it with the thumb screws.

Optional: Secure the graphics card:

1. The GPU can be secured with a velcro tie. Wrap the velcro tie around the PCI-e power connectors to hold it securely in position.

*This step is shown again in the chapter 'Cable Management' on page 26.



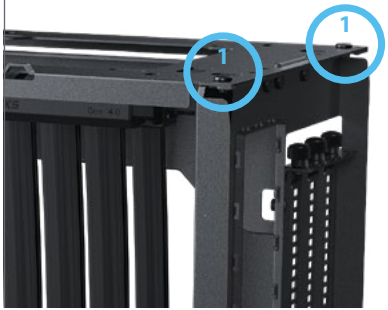
Optionally, the Shift XT chassis can be extended to allow for 2x fans and/or an AIO liquid cooler in the top. The radiator bracket should be in the upward position for the best installation process.

Option A:

If the radiator bracket was removed at the start of the process, place it back now and keep it in the open position.

Option B:

1. If the radiator bracket is still in place, unscrew the 2x screws on the back of the top panel.



2. Lift the bracket and keep it in the upward position.

By extending the chassis in the 'Air Boost' configuration, 2 fans can be installed in the top.

1. Install two 120/140 mm fans on top of the radiator bracket. (directing the exhaust through the top is recommended)
2. Run the cables along the hinge at the front of the chassis so the radiator bracket can still be lifted up.

REQUIRES:

8 x

PRO TIP

Running the fan cables along the hinge at the front allows the radiator bracket to still be lifted up.

PRO TIP

There is enough clearance to fit thicker than standard fans, like our Phanteks T30-120 fan

A 240 AIO liquid cooler can be installed in the top in the 'Liquid Cooled' Configuration.

REQUIRES:

8 x

1. Install the 240 radiator and 2x fans on top of the radiator bracket. (directing the exhaust through the top is recommended)
2. Make sure the tubing and pump unit is guided as shown.
3. Mount the pump unit onto the CPU.
4. Run the cables along the hinge at the front of the chassis so the radiator bracket can still be lifted up.

PRO TIP

Running the fan cables along the hinge at the front allows the radiator bracket to still be lifted up.

PRO TIP

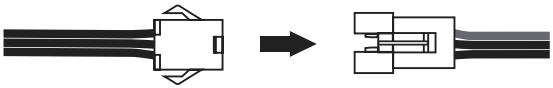
The total clearance for radiator+fan thickness is 60mm

Connect the SATA cable to the power supply

Expand D-RGB lighting with more lighting products (optional)

The integrated chassis lighting can be easily expanded with both Phanteks D-RGB products and third-party D-RGB products. Simply connect them to the pre-installed connectors as shown:

To Phanteks Digital-RGB products

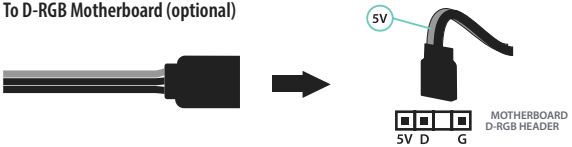


To third Party D-RGB products

Sync D-RGB lighting with the Motherboard (optional)

By connecting the D-RGB Motherboard Adapter to a D-RGB equipped motherboard, the chassis lighting will be controlled through the motherboard software. When you do this, the D-RGB control of the front I/O buttons can not be used anymore.

To D-RGB Motherboard (optional)

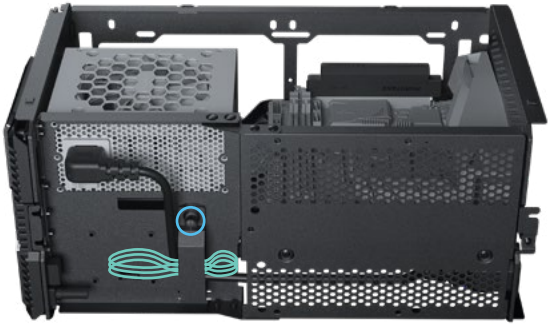


Compatible with:

rainbow addressable addressable

Bottom compartment cable management

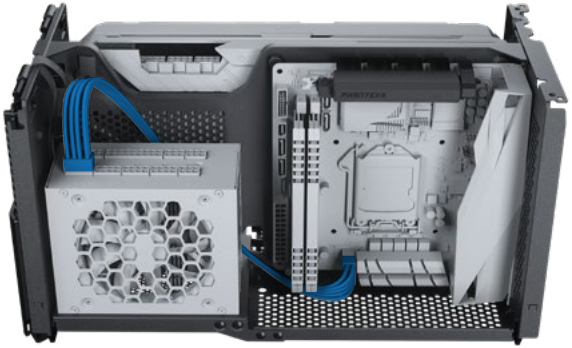
Unscrew the thumb screw at the bottom to use the cable-tie bracket to secure any excess cables.



Organize power cables

We recommend to install the power cables in the following order to achieve the best possible cable management.

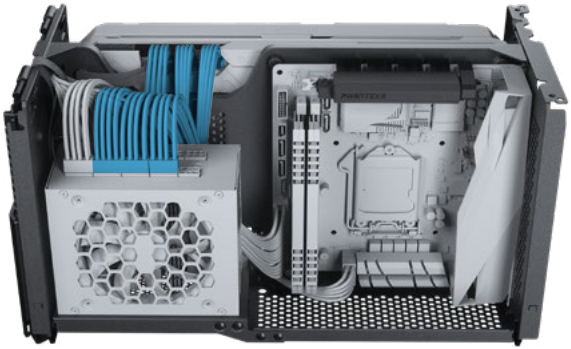
1. Install the 8-pin CPU cable like pictured below.
   Run the cable behind the PSU.



2. Install the 24-pin Motherboard cable like pictured below. By making this loop around the 8-pin CPU cable, less excessive cable needs to be stored behind the PSU.

3. Use the velcro tie to bind the 24-pin cable to the corner of the chassis.

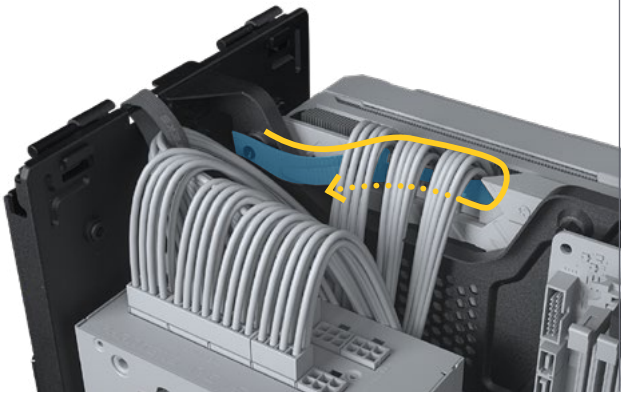
4. Install the 6/8-pin GPU cables like pictured below. The excessive cable can be pushed behind the PSU like the picture below.



Secure the graphics card

1. If you have not done this during the 'Installing Graphics Card' chapter, please do it now.
2. The GPU can be secured with a velcro tie. Wrap the velcro tie around the PCI-e power connectors to hold it securely in position.

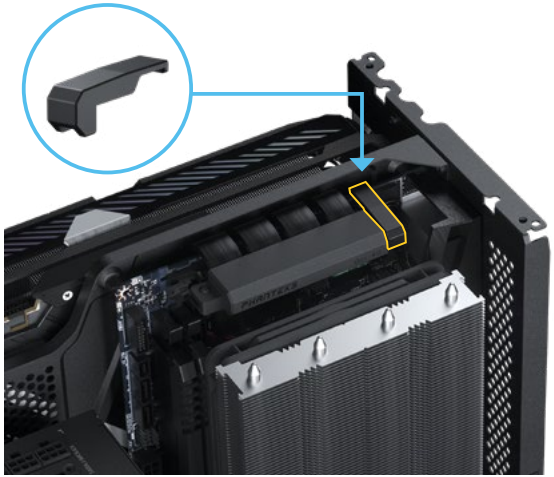
** If the GPU is very short, this step is not necessary.*



Secure the riser cable

1. Secure the riser cable by mounting the Riser Lock to the motherboard on the right side of the riser cable.

The Riser Lock prevents the riser cable unintentionally detaching.

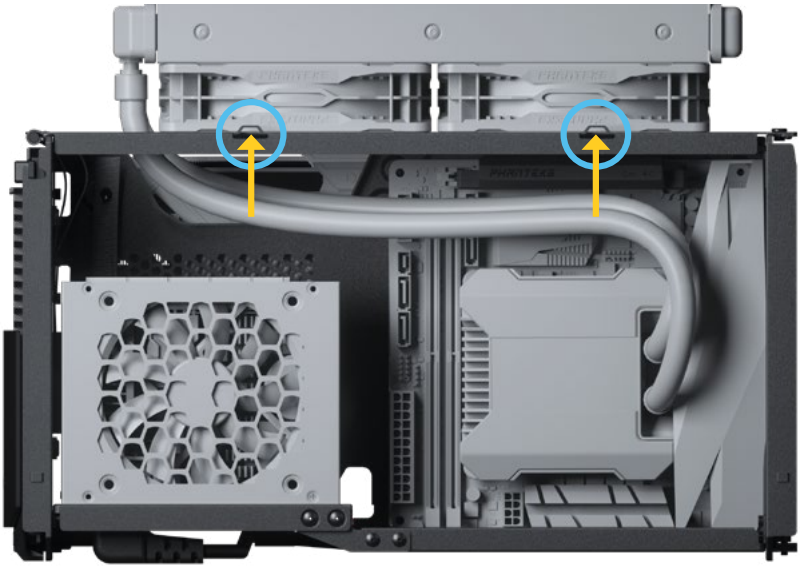


Secure the AIO Tubings

REQUIRES:

2 x

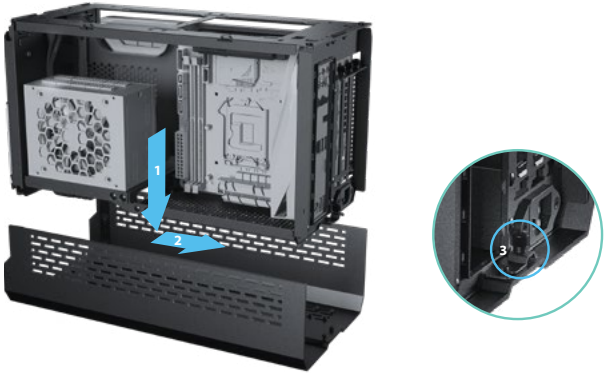
The chassis has multiple zip-tie locations to tie down the tubing in the desired location.



Place the chassis back on the bottom panel

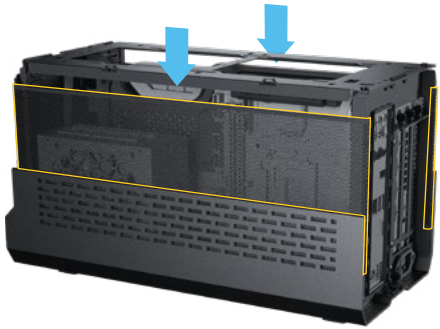
REQUIRES:
1 x

1. Place the chassis on the bottom panel
2. Slide the chassis to the rear
3. Secure the chassis to the bottom panel with a thumbscrew in the rear.



Re-install the mesh panels

1. Slide the mesh panels down onto the chassis sides. Please mind the correct orientation.

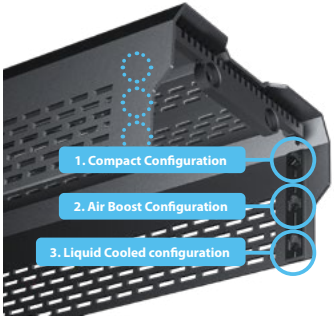


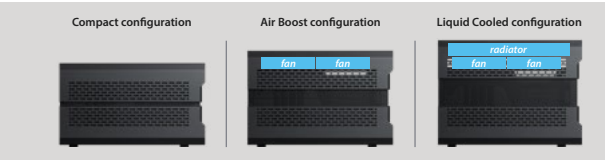
Optional: Adjust top panel position for your configuration if using the 'Air Boost' or 'Liquid Cooled' configuration.

REQUIRES:

2 x

1. Move the 2x stand-offs to the 2nd or 3rd position for the 'Air Boost' or 'Liquid Cooled' configuration respectively. Use the included screwdriver for this step.



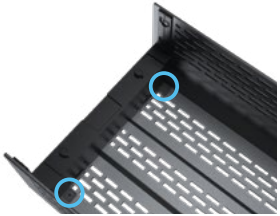


2. Slide the rear cover in the rear of the top panel as shown. Choose the correct size cover, depending on your build.

Small cover for Air Boost configuration

Large cover for Liquid Cooled configuration

3. Secure the cover to the top panel with 2x rear cover screws.

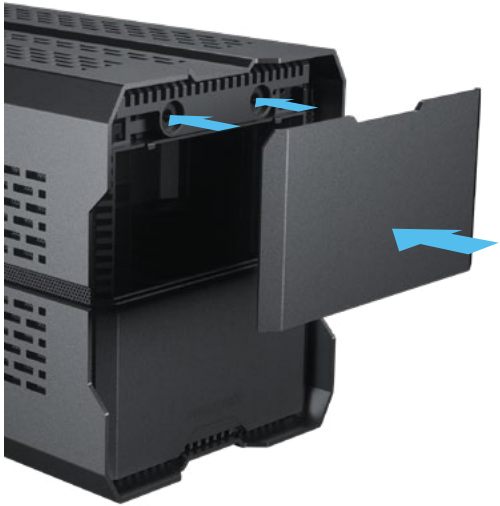


Re-install the top panel on the chassis

1. Place the top panel on the chassis
2. Slide the top panel to the rear
3. Secure the locks on the front

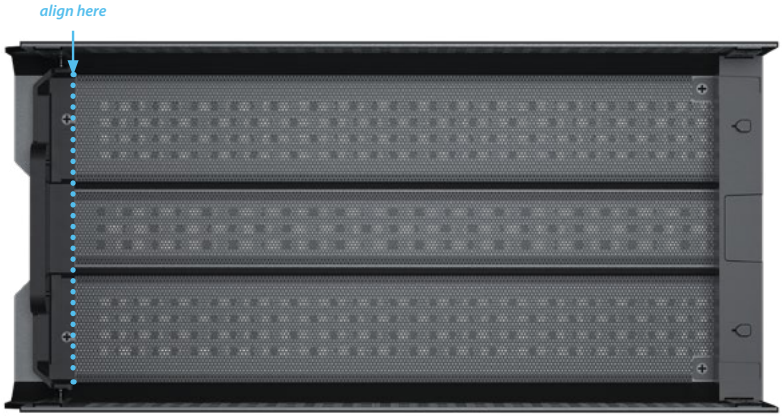
Install the front cover

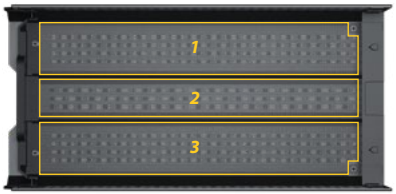
1. Place the magnetic aluminum front cover back on the front panel.



Optionally, dust filters can be installed to the top panel of the Shift XT to prefent dust falling in. We recommend this when using the compact configuration, because there are no exhaust fans to blow the dust out of the chassis.

1. Align the dust filter strips on the inner side of the top panel.
2. Remove the tape and secure the strips on the correct position as shown.





Place the 3 Dust Filters in the correct position

REVOLT SFX PSU

PH-P650GSF / PH-P750GSF / PH-P750PSF

The Revolt SFX power supply is the perfect match for the Evolv Shift XT chassis. Its compact SFX form-factor and fully modular cable design makes cable management a breeze. The all-black flat ribbon power cables also helps routing the cables for a great clean look.

The Revolt SFX is available in three models:

- Revolt SFX 650 GOLD
- Revolt SFX 750 GOLD
- Revolt SFX 750 PLATINUM

GLACIER ONE 240 MP

PH-GO240MP_DBK01

The Glacier One 240 MP is capable of cooling powerful CPUs while operating silently. The included 120mm MP PWM fans offer high airflow, low noise, and excellent cooling performance with its pressure optimized fan blades.

PREMIUM T30-120 FAN

PH-F120T30_BG / PH-F120T30_BG _3P

The T30-120 fan is the ultimate PC cooling fan. It features a built-in fan profile switch which makes it optimized for every scenario; silent, balanced, or extreme performance. Go for this fan if you are looking for the absolute best performance.
Available in single and triple pack.

HIGH PRESSURE MP FAN

PH-F120MP_BBK02 / PH-F120MP_BK02 / PH-F120MP_WT02
PH-F140MP_BBK02 / PH-F140MP_BK02

The MP fan delivers great performance combined with outstanding noise levels. The blade design is especially optimized for high pressure performance when installed on radiators.
Available in black, black/white and white.

HIGH AIRFLOW SK PWM FAN

PH-F120SK_DRGB / PH-F120SK_BBK
PH-F140SK_DRGB / PH-F140SK_BBK

The high airflow SK PWM fans provide optimal air cooling and come in both 120mm or 140mm sizes and black or D-RGB versions. The SK fans are affordable high airflow fans with great value.
Available in Black, D-RGB, single and triple pack.

NEON STRIPS

PH-NELEDKT_M5 / PH-NELEDKT_CMBO / PH-NELEDKT_M1

Phanteks' NEON Digital-RGB LED STRIPS provide the smoothest lighting effect with many mounting positions to highlight your system. Its easy to use and secure mounting set lets you choose which hardware to highlight with a diffuse ray of light from the NEON LED strip.
Multiple lengths available.

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.

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RMA AND TECHNICAL SUPPORT INTERNATIONAL

Email : support@phanteks.com

RMA AND TECHNICAL SUPPORT AMERICAS

Hours : Monday-Friday 9:00-5:00 PST
Phone number : +1(909)598-2115
Email : support@phanteksusa.com

For up-to-date information please check www.Phanteks.com

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. I/O Ports - 2 years
2. LED Lighting - 2 years
3. Buttons - 2 years
4. Chassis - 5 years
5. External Panels - 5 years
6. Riser Cable - 2 years

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