Thank you for choosing PHANTEKS
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Welcome to Phanteks!

The Evolv Shift 2 (air) builds on the unique form factor of the original Evolv Shift and brings a compact chassis that packs plenty of power and is extremely space efficient with its small footprint. The Evolv Shift 2 (air) will look impressive anywhere with the tempered glass or mesh fabric panels on both sides.

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

*The Phanteks team*
### SPECIFICATIONS

#### CASE SPECIFICATIONS

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Shift 2: 170x490x274mm (6.7x19.3x10.8 in)</th>
<th>Shift 2 air: 186x490x274mm (7.3x19.3x10.8 in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form Factor</td>
<td>Vertical SFF</td>
<td></td>
</tr>
<tr>
<td>Materials</td>
<td>Steel chassis, Aluminium panels,</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Tempered glass window</em>, *Fabric Side</td>
<td></td>
</tr>
<tr>
<td></td>
<td>panels*</td>
<td></td>
</tr>
<tr>
<td>MB Support</td>
<td>Mini-ITX</td>
<td></td>
</tr>
<tr>
<td>Front I/O</td>
<td>Power button, 2x USB 3.0, D-RGB Mode,</td>
<td></td>
</tr>
<tr>
<td></td>
<td>D-RGB Color</td>
<td></td>
</tr>
<tr>
<td>Connectors</td>
<td>Power switch, USB 3.0, SATA, D-RGB</td>
<td></td>
</tr>
<tr>
<td></td>
<td>expansion, D-RGB third-party, D-RGB MB</td>
<td></td>
</tr>
</tbody>
</table>

#### PCI SLOTS & DRIVE BAYS

<table>
<thead>
<tr>
<th>PCI slots</th>
<th>2x (2.9 slot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal 3.5”</td>
<td>1x</td>
</tr>
<tr>
<td>Internal 2.5”</td>
<td>4x (2 included)</td>
</tr>
</tbody>
</table>

#### FAN

<table>
<thead>
<tr>
<th></th>
<th>120 MM</th>
<th>140MM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rear</td>
<td>2x</td>
<td>2x (1x included)</td>
</tr>
<tr>
<td>Bottom</td>
<td>1x</td>
<td>1x</td>
</tr>
</tbody>
</table>

#### RADIATOR

<table>
<thead>
<tr>
<th></th>
<th>120 MM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rear</td>
<td>1x</td>
</tr>
</tbody>
</table>

#### INCLUDED ACCESSORIES

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>140 mm SK D-RGB PWM Fan</td>
<td>1 x</td>
</tr>
<tr>
<td>GPU bracket</td>
<td>1 x</td>
</tr>
<tr>
<td>Riser Cable PCI-e 3.0 x 16</td>
<td>1 x</td>
</tr>
<tr>
<td>Dual SSD bracket</td>
<td>1 x</td>
</tr>
<tr>
<td>Toolbox</td>
<td>1 x</td>
</tr>
<tr>
<td>Accessory Bag</td>
<td>1 x</td>
</tr>
</tbody>
</table>

#### CLEARANCE

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU cooler height</td>
<td>85 mm (3.3 in)</td>
</tr>
<tr>
<td>GPU length</td>
<td>335 mm (13.2 in)</td>
</tr>
<tr>
<td>GPU cooler thickness</td>
<td>Up to 2.9 slots, 59mm</td>
</tr>
<tr>
<td>GPU width</td>
<td>Up to 150mm (5.9 in)</td>
</tr>
<tr>
<td>Rear 120mm radiator</td>
<td>Max 157x148mm</td>
</tr>
<tr>
<td></td>
<td>45mm thickness with SFX</td>
</tr>
<tr>
<td></td>
<td>30mm thickness with SFX-L</td>
</tr>
</tbody>
</table>

#### SUPPORT

<table>
<thead>
<tr>
<th>Contact (International)</th>
<th><a href="mailto:support@phanteks.com">support@phanteks.com</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact (America)</td>
<td><a href="mailto:support@phanteksusa.com">support@phanteksusa.com</a></td>
</tr>
<tr>
<td>Warranty</td>
<td>5 Years, see page 27</td>
</tr>
</tbody>
</table>

*Depends on model.*
1. Chassis
2. Front Panel
3. Rear Panel
4. Left Side Panel
5. Right Side Panel
6. Top Grill
7. Bottom Grill
8. GPU Bracket
9. Dual SSD Bracket
10. Bottom Dust Filter
**ACCESSORIES**

**DUAL 2.5” SSD BRACKET**
- Pre-installed
- For 2x 2.5” SSD drives

---

**GPU BRACKET WITH RISER CABLE**
- Pre-installed
- PCI-e 3.0 x16 riser cable
- Reversible mounting options

---

**SK (D-RGB*) PWM FAN 140 MM**
- Pre-installed
- High static pressure
- Silent operation

*Shift 2 Air comes with non D-RGB version

---

**ACCESSORY BAG AND TOOLBOX**

**Accessory bag**
- 6x Zip Tie 150mm
- Phanteks Logo Badge

**Toolbox**

<table>
<thead>
<tr>
<th>Fan screw</th>
<th>M3x5 mm Motherboard / SSD screw</th>
<th>PSU screw</th>
<th>Silver Thumb Screw</th>
</tr>
</thead>
<tbody>
<tr>
<td>8x</td>
<td>20x</td>
<td>8x</td>
<td>1x</td>
</tr>
</tbody>
</table>

---

*D-RGB version*
RECOMMENDED INSTALLATION PROCESS

A unique chassis design like the Shift 2 (air) comes with a different approach to the installation process. That is why we recommend to follow these installation tips:

- Follow the component installation order as shown in this manual.
- Pre-route the cables for each installed component as shown at each step.
- Wait with connecting cables until the end of the installation process.

Depending on hardware components such as power cable length the cable routing can be different.

PREPARATIONS

- The Evolv Shift 2 case is designed to support installation in a standing position.
- 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.
1. PRESS THE TOP GRILL TO OPEN IT
2. LOOSEN ALL THUMB SCREWS
3. SLIDE THE PANELS UP
4. TAKE THE PANELS OUT

To remove or mount the rear panel the top grill must be closed.
INSTALLING THE BOTTOM FAN

If you want to install a bottom fan we recommend to do it first before proceeding with the installation process.

1. LAY THE EVOLV SHIFT 2 ON ITS SIDE
2. PULL OFF THE BOTTOM GRILL
3. INSTALL THE FAN WITH 4X FAN SCREWS
4. PRE-ROUTE THE FAN CABLE OUTSIDE THE CHASSIS
5. PUT THE BOTTOM GRILL BACK ON THE CHASSIS

REQUIRES: 4 x
INSTALLING POWER SUPPLY

The SFX power supply fan can be faced towards the side panel or the inside of the chassis. For the Shift 2 with tempered glass side panels we recommend facing the inside of the chassis.

1. PLACE THE SFX PSU ON ITS POSITION
2. SECURE THE SFX PSU WITH 4X PSU SCREWS
3. CONNECT THE POWER EXTENSION CORD TO THE PSU
   MAKE SURE THE PSU SWITCH IS TURNED ON
4. PLUG-IN ALL NEEDED CABLES TO THE PSU
5. PRE-ROUTE THE CABLES OUTSIDE THE CHASSIS
   (SEE NEXT PAGE FOR MORE DETAILS)

Install the power supply in the correct orientation for the best performance depending on your model.
After plugging in all needed power cables to the PSU, the power cables can be pre-routed to make the installation process of other components easier.

4.1 **CPU Cable**  
Route the CPU Cable through the grommet and the rear cut-out, outside the chassis.

4.2 **SATA/MOLEX Cable**  
Route the SATA and MOLEX Cables through the front cut-out, outside the chassis.

4.3 **GPU Cable**  
Route the GPU Cable(s) through the front cut-out, outside the chassis.

4.4 **24-PIN Motherboard Cable**  
Route the Motherboard Cable through the left or right grommet and out the side of the chassis. This depends on the length of the 24-Pin cable.
It is recommended to install all cooling case fans and/or AIO cooler in the chassis at this stage.

1. **MOUNT THE FAN WITH 4 FAN SCREWS**

2. **PRE-ROUTE THE FAN (AND D-RGB) CABLE OUTSIDE THE CHASSIS**

The arrows in the picture show our recommended installation orientation for all fans.
1. **MOUNT THE FAN AND RADIATOR ON THE LOWER REAR FAN POSITION**

2. **FOLLOW THE INSTALLATION INSTRUCTIONS FROM THE AIO COOLER**

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**120mm aio location**

Max. radiator size supported:

(LxW): 157x148mm

Thickness: 45mm with SFX power supply
30mm with SFX-L power supply

---

Positioning the radiator sideways ensures a silent and reliable operation for the aio pump.
INSTALLING THE MOTHERBOARD

Install the mini-ITX motherboard with 4x motherboard screws.

PRO TIP
Wait until the end to connect all cables for easier installation of all the components.

REQUIRES:
4 x
INSTALLING THE GPU

Remove the GPU Bracket and riser cable before mounting the GPU.

1. **UNSCREW THE SILVER THUMB SCREW**

2. **UNSCREW THE 2X SCREWS HOLDING THE BRACKET**
Install the GPU on the GPU bracket first before placing it in the chassis. The GPU bracket is configured to face the GPU cooler towards the side panel out of the box. If you prefer to face the GPU cooler towards the motherboard, please move the stand-off as shown in step 3.

1. **PLACE THE GPU ONTO THE GPU BRACKET**

2. **SECURE THE GPU WITH 2X SCREWS (PSU SCREWS)**

Place the GPU Bracket with GPU in the chassis.

1. **ROUTE THE RISER CABLE TO THE MOTHERBOARD SIDE**

2. **POSITION THE GPU BRACKET TO ITS POSITION**

3. **MOUNT THE GPU BRACKET WITH 2X SCREWS**

4. **SECURE THE GPU BRACKET WITH THE SILVER THUMB SCREW**

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*The silver thumbscrew needs to be installed on the other side of the chassis.*

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*Don’t fully tighten the screws yet so you can adjust the exact GPU position.*
**2.5” SSD INSTALLATION**

Two 2.5” SSD drives can be installed in the Dual SSD Bracket. Orientation of the drives is important for easy cable management, so please follow the following steps for correct installation. Optionally, a second Dual SSD Bracket can be installed in a second location if no 3.5” HDD is installed.

1. **SLIDE THE DUAL SSD BRACKET FROM THE CHASSIS**

2. **INSTALL ONE OR TWO SSD DRIVES IN THE BRACKET WITH 4X SSD SCREWS PER DRIVE**

   Mind the orientation of the SSD drives in the bracket, this will make connecting the Sata cables easier.

3. **PLACE THE SSD BRACKET BACK ON TO THE CHASSIS**

   2 More SSD drives can be installed with an optional extra Dual SSD Bracket (PH-SDBKT_02)
3.5” HDD INSTALLATION

A 3.5” HDD can be installed using the rubber grommets that are pre-installed on the chassis.

1. UNSCREW THE 4 RUBBER GROMMETS

2. MOUNT THE 4 RUBBER GROMMETS ON THE BOTTOM OF THE HDD DRIVE

3. SLIDE THE HDD DOWN ON THE CHASSIS

Install the HDD drive with the connectors facing downwards for easier cable management.
Please consult the motherboard manual for additional instructions.
At this stage all cables can be connected to the system components. For easier cable management we recommend to connect all small cables first and power cables last.

1. **SMALL CABLES**
   Connect all small cables to the motherboards; Power Switch, fans, D-RGB, SATA Data.

2. **USB 3.0**
   Connect the USB 3.0 cable to the motherboard.

3. **CPU CABLE**
   Route the CPU Cable to the cut-out at the top where it can be connected to the motherboard.

4. **24-PIN MOTHERBOARD CABLE**
   Connect the 24-PIN Motherboard cable to the motherboard.

5. **AIO TUBING**
   Route the tubing in the cut-out. Optionally you can use zip-ties to hold them in place here.

6. **CABLE COVER**
   The magnetic cable cover securely snaps into place on the inside of the chassis by magnets.
7. **GPU CABLE**
   Route the GPU Cable(s) under the Dual SSD Bracket to the cable cut-out toward the GPU.

8. **SATA/MOLEX CABLES**
   Connect the SATA/Molex cables to the Storage Drives and make a bundle with the excess cables. Use the velcro strap to tie them down.

9. **EXCESS CABLES**
   Use the velcro ties and zip-tie locations to bundle any excess cables on the outside of the chassis as much as possible. This will create a clean interior and keeps components within reach.

10. **EXTERNAL CABLES**
    Use the channels at the power connector to route external cables such as HDMI, USB and audio cables underneath the aluminium panels. Secure the external cables with a zip-tie.
The Digital-RGB lighting can be easily controlled with the 2 buttons on the top of the chassis.

**D-RGB CONTROLS**

M **MODE**

- Solid
- Breathing
- Radar
- Sparkle
- Rainbow

○ **COLOR**

- Addressable rainbow

2 sec

Press & Hold MODE: Turn off Front LED’s.
Press & Hold MODE 2 sec again: Turn off all LED’s.
(allows the controller to sync to motherboard input)

**CONNECT MORE D-RGB PRODUCTS**

To DIGITAL-RGB Products

To D-RGB Motherboard (optional)

**SYNC TO MOTHERBOARD**

Compatible with:

- Addressable
- Addressable

- Rainbow

**PHANTEKS**

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The Evolv Shift 2 is equipped with a bottom and top dust filter. The bottom dust filter is removable for easy cleaning (2). The top dust filter is built into the top panel (1). The front and rear panel have metal ultra-fine mesh parts that also act as dust filters (3 & 4). We recommend to clean these filters every month to keep your cooling performance optimized.

If cleaning the dust filters with water, make sure to properly dry them before placing them back.
### Optional Upgrades

#### 140 SK (D-RGB) PWM Fan

**PH-F140SK_BBK_PWM / PH-F140SK_DRGB_PWM**

The Phanteks SK PWM fans deliver optimized and enhanced static pressure for better cooling performance. The nine blades design is highly efficient in producing optimal air pressure and balanced airflow. Available in D-RGB and Black versions.

#### 120 SK (D-RGB) PWM Fan

**PH-F120SK_BBK_PWM / PH-F120SK_DRGB_PWM**

The Phanteks SK PWM fans deliver optimized and enhanced static pressure for better cooling performance. The nine blades design is highly efficient in producing optimal air pressure and balanced airflow. Available in D-RGB and Black versions.

#### Dual 2.5” SSD Bracket

**PH-SDBKT_02**

This dual bracket offers you room for two more 2.5” SSD drive in your case.

#### Single 2.5” SSD Bracket

**PH-SDBKT_01**

This bracket offers you room for one more 2.5” SSD drive in your case.

#### Y-Splitter Cable

**PH-CB-Y4P / PH-CB-Y3P**

The 4-pin / 3-pin Fan splitters are a great solution if you are short of fan headers on your motherboard.

#### 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. It’s 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.
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
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Email: support@phanteksusa.com
Facebook: @Phanteks

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

For spare parts and optional upgrades please visit:
www.axpertec.com (EU) | www.phanteksusa.com (US)
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 - 2 years
2. I/O Ports - 2 years
3. LED Lighting - 2 years
4. Buttons - 2 years
5. Chassis - 5 years
6. Front and Top Panels - 5 years
7. Riser Cable - 2 years

Please check [http://www.phanteks.com/Warranty.html](http://www.phanteks.com/Warranty.html) for more information.