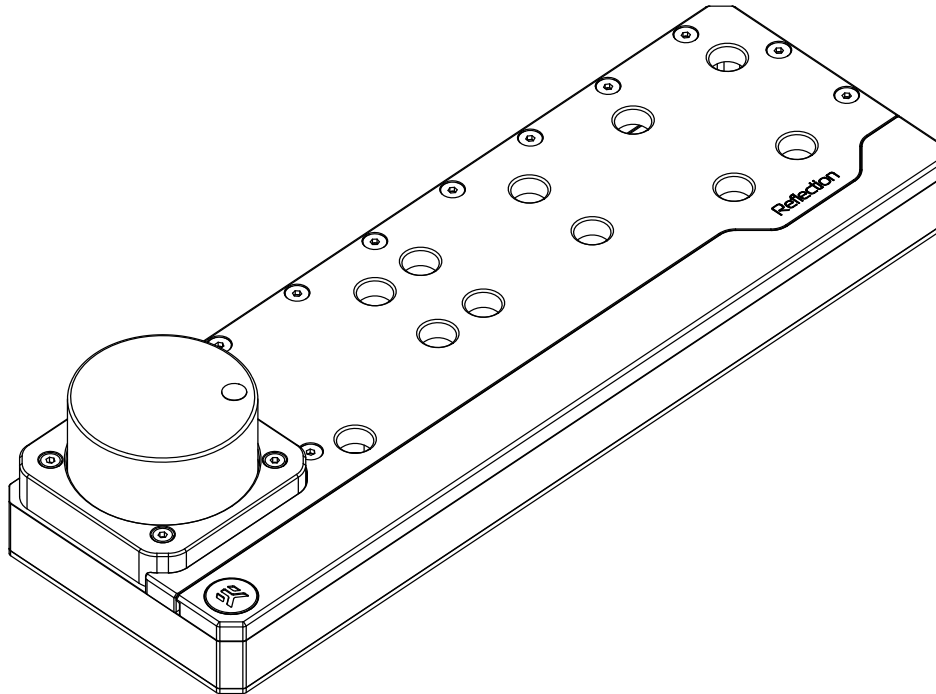


# EK-Quantum Reflection Evolv X

DISTRIBUTION PLATE



Before you start using this product please follow these basic guidelines:

**Please carefully read the manual before beginning with the installation process!**

**The EK Fittings require only a small amount of force to screw them firmly in place since the liquid seal is ensured by the rubber O-ring gaskets.**

**The use of corrosion inhibiting coolants is always recommended for any liquid cooling system. EKWB recommends any of the EK-Cryofuel for worry-free usage.**

## TABLE OF CONTENT

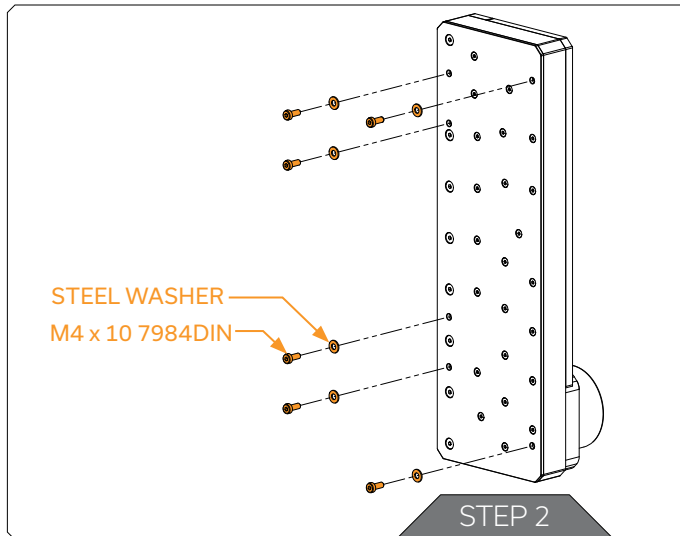
<b>PREPARING THE PC CASE</b>	<b>4</b>
<b>PREPARING THE PC CASE</b>	<b>4</b>
<b>RECOMMENDED DISTRIBUTION PLATE CONFIGURATIONS</b>	<b>5</b>
CONFIGURATION WITH A TOP RADIATOR	5
<b>CONNECTING THE D-RGB LED STRIP</b>	<b>6</b>
<b>CONNECTING THE PUMP</b>	<b>7</b>
CONNECTING THE PUMP - MOLEX CONNECTOR	7
CONNECTING THE PUMP - SATA CONNECTOR	7
<b>TESTING THE LOOP</b>	<b>8</b>
<b>SUPPORT AND SERVICE</b>	<b>9</b>
<b>SOCIAL MEDIA</b>	<b>9</b>

## PREPARING THE PC CASE

**Before installing the EK-Quantum Reflection Evolv X distribution plate, carefully read the Phanteks Enthoo Evolv X PC case manuals.**

In order to install EK-Quantum Reflection Evolv X remove the front panel and both side panels from the case. Cable covers also needs to be removed.

## PREPARING THE PC CASE



### STEP 1

Place the EK-Quantum Reflection Evolv X in the right position inside the case. Make sure that mounting holes are aligned.

### STEP 2

Secure the EK-Quantum Reflection Evolv X distribution plate with six (6) M4 X 10 7984DIN mounting screws and steel washers.

## RECOMMENDED DISTRIBUTION PLATE CONFIGURATIONS

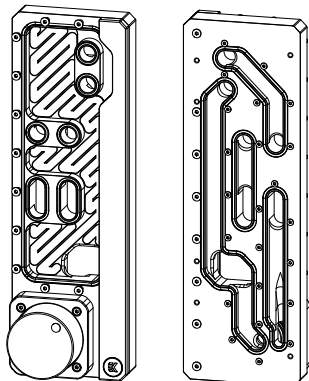
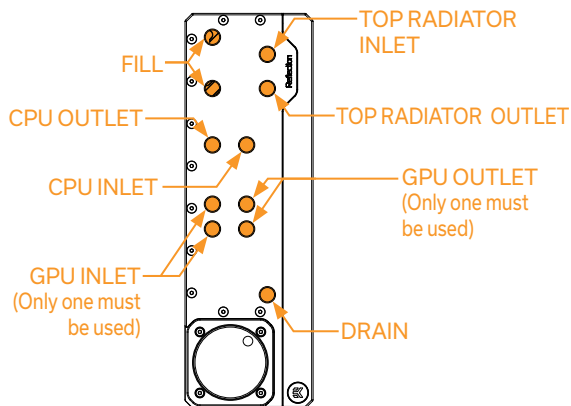
### CONFIGURATION WITH A TOP RADIATOR

To complete your loop, all ports must be used as marked in the image.

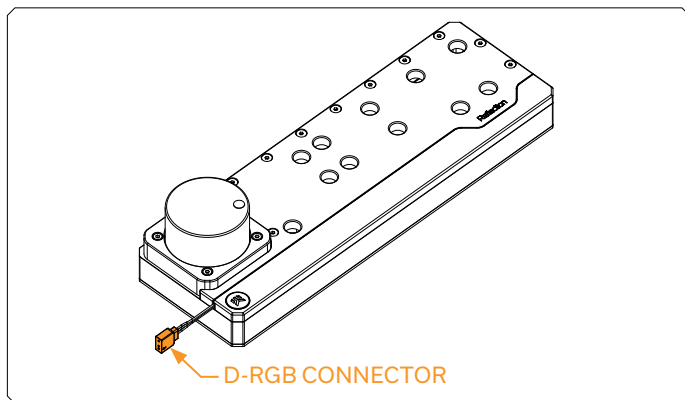
All remaining unused ports must be closed with supplied plugs, using the EK-Loop Multi Allen Key (6, 8, 9 mm).



Only one INLET and one OUTLET port for the GPU connection can be used, while all other INLET and OUTLET GPU ports must be closed with G1/4 plugs (enclosed in the package).



## CONNECTING THE D-RGB LED STRIP

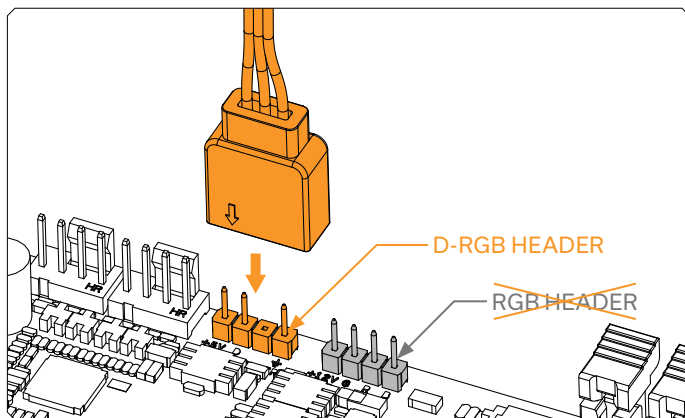


Plug the 3-pin connector of the distribution plate D-RGB LED light to the D-RGB HEADER on the motherboard. The LED will work if the pin layout on the header is as follows: +5V, Digital, Empty, Ground.

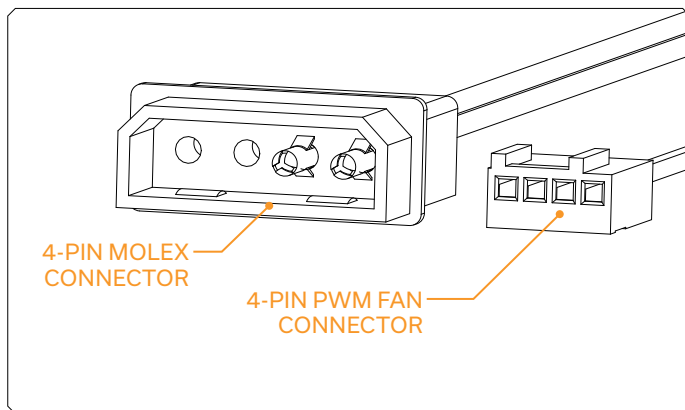


Please ensure that the arrow indicated on the connector is plugged into the +5V line as indicated on your motherboard. If you put LED Diode to the 12V RGB HEADER you can damage the LEDs.

Connector is the same on D-RGB and RGB versions, but D-RGB version has 3 cables from connector to PCB; RGB version has 4 cables. If you connect D-RGB led to ordinary RGB header you can damage your motherboard or LED strip.



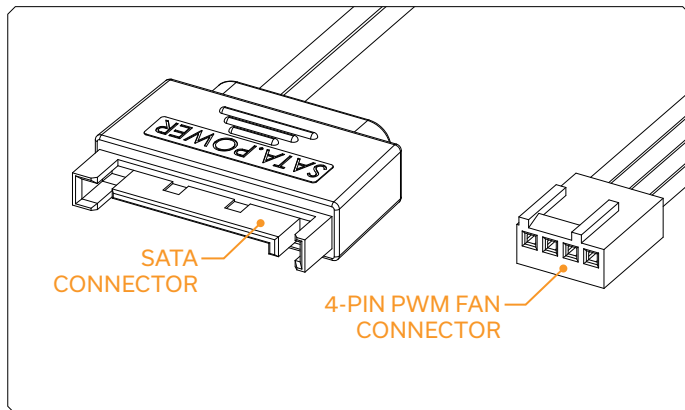
## CONNECTING THE PUMP



### CONNECTING THE PUMP – MOLEX CONNECTOR

The EK-D5 PWM pump has two connectors.

1. **MOLEX Connector:** It must be connected directly to your PSU at all times as it is used to power the pump.
2. **4-pin PWM fan:** It can be connected to your motherboard's CPU\_ Fan or designated water pump header. It can also be connected to a controller. This cable is used to control and report the rotational speed of the pump. If it's not connected, the pump will run at maximum speed (100% PWM).



### CONNECTING THE PUMP – SATA CONNECTOR

The EK-D5 PWM pump has two connectors.

1. **SATA Connector:** It must be connected directly to your PSU at all times as it is used to power the pump.
2. **4-pin PWM fan:** It can be connected to your motherboard's CPU\_ Fan or designated water pump header. It can also be connected to a controller. This cable is used to control and report the rotational speed of the pump. If it's not connected, the pump will run at maximum speed (100% PWM).

## TESTING THE LOOP

To make sure the installation of EK components was successful, we recommend you perform a leak test for 24 hours.

When your loop is complete and filled with coolant, connect the pump to a PSU outside of your system. Do not connect power to any of the other components. Turn on the PSU and let the pump run continuously. It is normal for the coolant level to drop during this process as air collects in the distribution plate.

Inspect all parts of the loop, and in the eventuality that coolant leaks, fix the issue and repeat the testing process. Ensure that all hardware is dry before the system is powered on in order to prevent any damage.




## SUPPORT AND SERVICE

For assistance please contact:


**<http://support.ekwb.com/>**

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## SOCIAL MEDIA

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