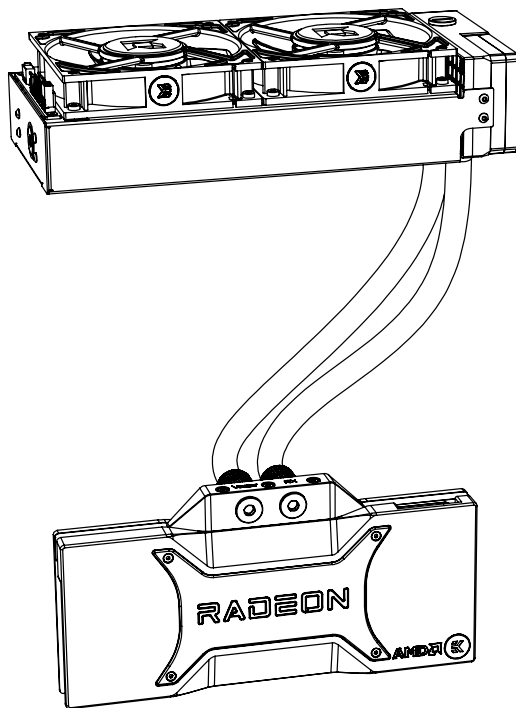


EK-Quantum Reaction AIO RX 6800/6900 D-RGB P240 - AMD Radeon Edition



To ensure safe and easy installation, please read this manual carefully before starting with the installation process!



Safety Precautions

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

Check the component list and condition of the product before installation. If you encounter a problem, contact the vendor where you purchased the product to get a replacement or a refund.

EK is not responsible for any damages due to external causes, including but not limited to: improper use, problems with electrical power, accident, neglect, alteration, repair, improper installation, and improper testing.

Carefully read the manual before beginning with the installation process.

Remove your graphics card from the computer for the safest mounting process to prevent any possible damage to your GPU or its circuit board (PCB).

This product is an All-In-One liquid cooling solution. Disassembling it and combining it with parts other than EK products may lead to warranty loss.

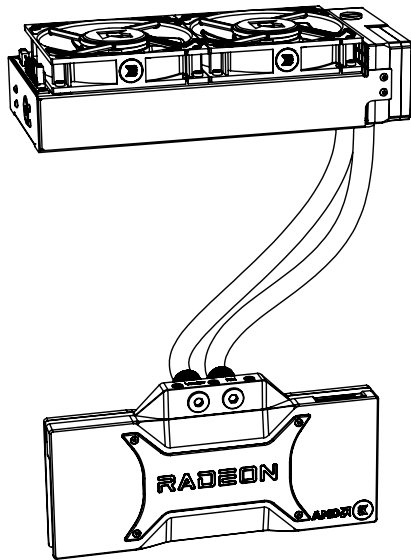
The use of quality market-proven corrosion-inhibiting coolants is always strongly recommended for any liquid cooling system.

Do not use pure distilled water as a cooling liquid! For best results, EK recommends the use of EK-CryoFuel Coolants.

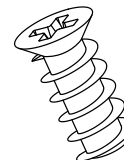
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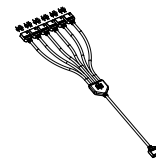
BOX CONTENTS



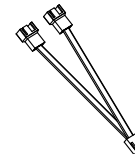
All-In-One GPU Liquid Cooling Unit With the Mounting Mechanism and Connection Cables



Self-Tapping Fan Mounting Screws

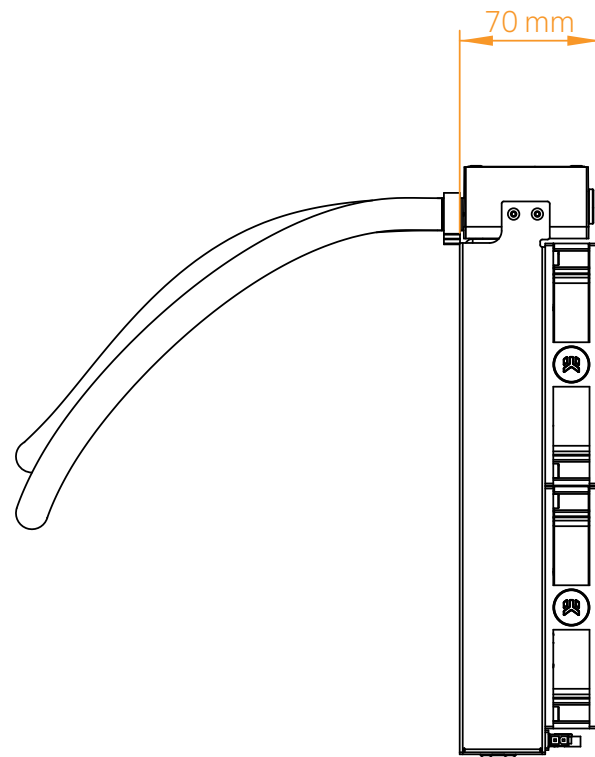
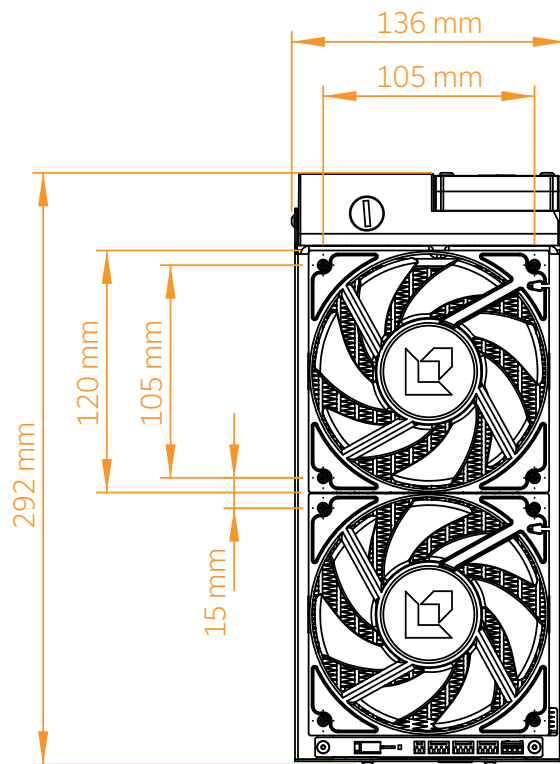


EK D-RGB 6-Way Splitter Cable

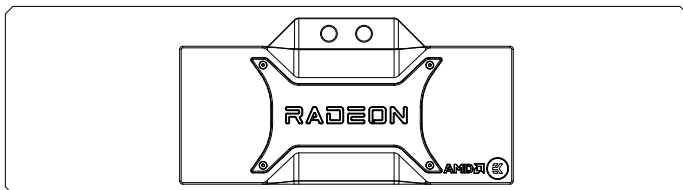


EK Cable Y-Splitter 2-Fan PWM

DIMENSIONS



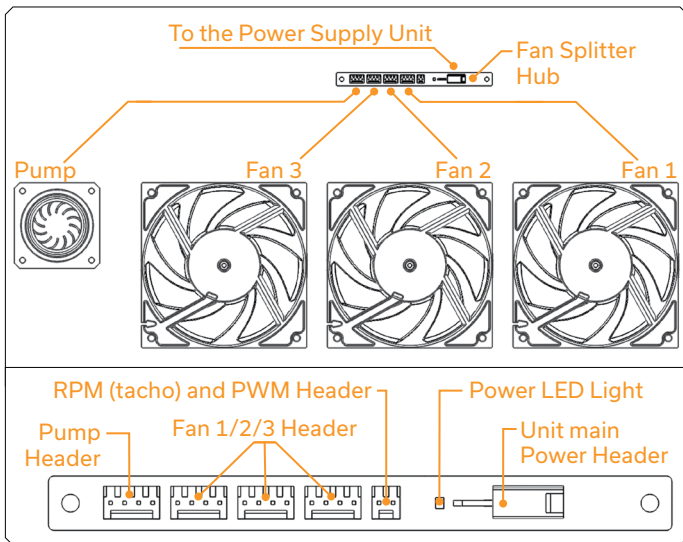
INSTALLING THE GPU WATER BLOCK AND BACKPLATE



To install the water block to your graphics card, follow the instructions in the link below:

<https://www.ekwb.com/shop/EK-IM/EK-IM-3831109833391.pdf>

FAN SPLITTER HUB



All the elements that need electricity to run are connected to the fan splitter hub, located on the back of the unit.



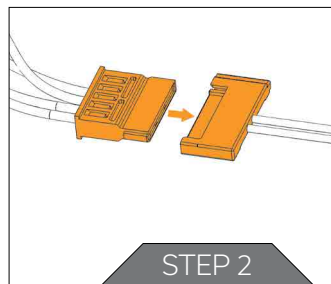
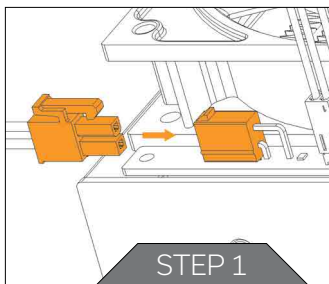
This fan splitter hub contains three 4-pin PWM fan headers for three fans and one pump.

A 2-pin header is used to connect the hub to the motherboard CPU fan header to allow the speed regulation of both fans and the pump. The 2-pin PCI Express Mini-Fit power header is used to provide power for the AIO unit.

General Characteristics:

- 3x 4-Pin PWM Fan Header (Molex KK 254 Standard)
- 1x 4-Pin PWM Pump Header (Molex KK 254 Standard)
- 1x 2-Pin Tach/PWM Header (Molex KK 254 Standard)
- 1x 2-Pin Power Header (Molex Mini-Fit Standard)
- 1x Power LED Indicator Diode (Red) - Rectified PWM Input
- Uniform PWM Control on All Headers

ELECTRICAL CONNECTIONS Option 1



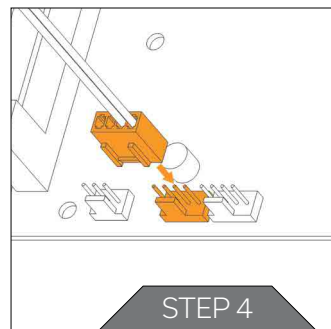
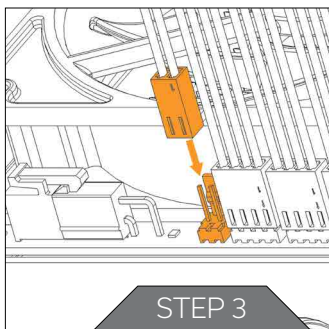
CONNECTING THE HUB TO THE POWER SUPPLY

STEP 1

Take the enclosed power cable and plug the 2-pin PCI Express Mini-Fit power connector into the fan splitter hub.

STEP 2

Use the SATA POWER connector and plug it into the female connector found on the main power supply.



CONNECTING THE HUB TO THE MOTHERBOARD

To obtain the PWM fan speed control, you must follow these steps:

STEP 3

Take the enclosed connection cable and plug the 2-pin cable connector into the fan splitter hub.

STEP 4

Use the 4-pin connector and plug it into the male connector header located on the motherboard.



Always use a CPU fan header. On the majority of motherboards, these headers offer the best PWM regulation.

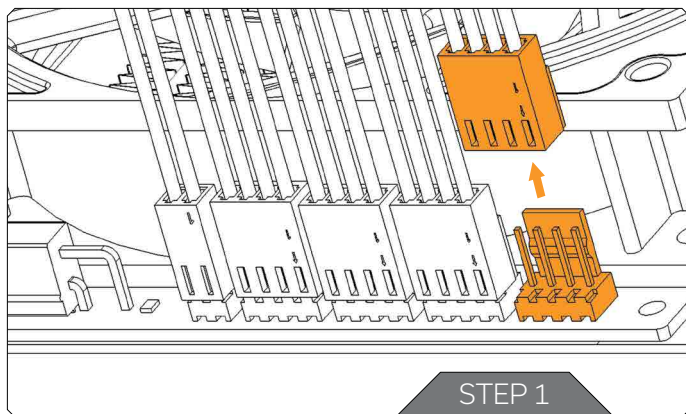
ELECTRICAL CONNECTIONS Option 2

CONNECTING THE PUMP DIRECTLY TO THE MOTHERBOARD FAN HEADER

If you want to control the speed of the pump and fans separately, you should follow these steps:

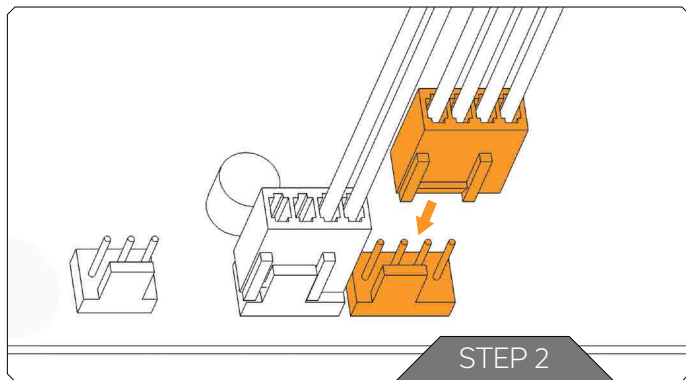
STEP 1

Disconnect the pump cable from the fan splitter hub. You need to remove cable ties to do so.



STEP 2

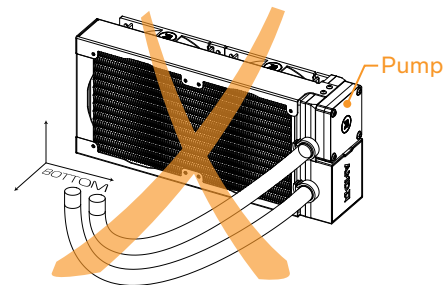
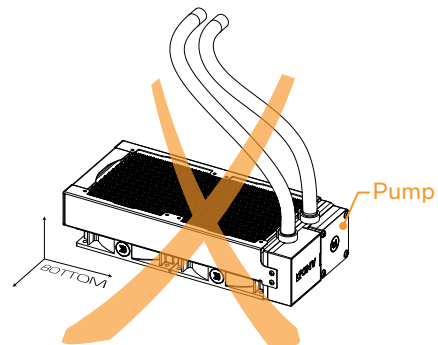
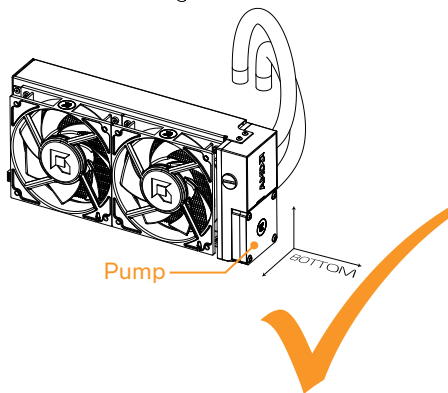
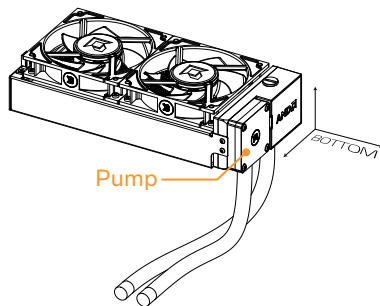
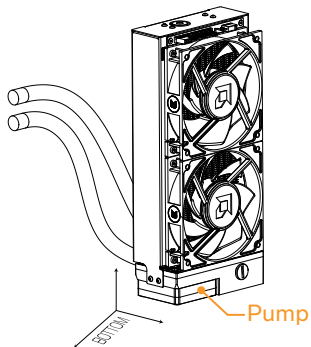
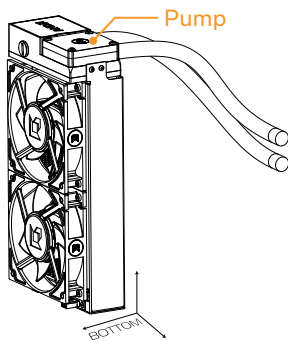
Connect the pump's connector to the CPU fan header (preferably) on the motherboard.



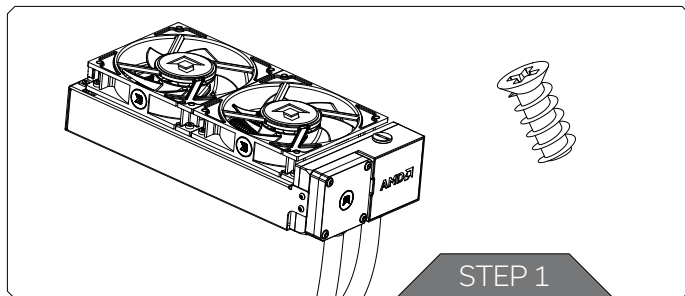
AIO UNIT ORIENTATION LIMITATIONS



CAUTION: The unit's orientation is critical since incorrect installation can lead to poor cooling performance and premature unit failure.

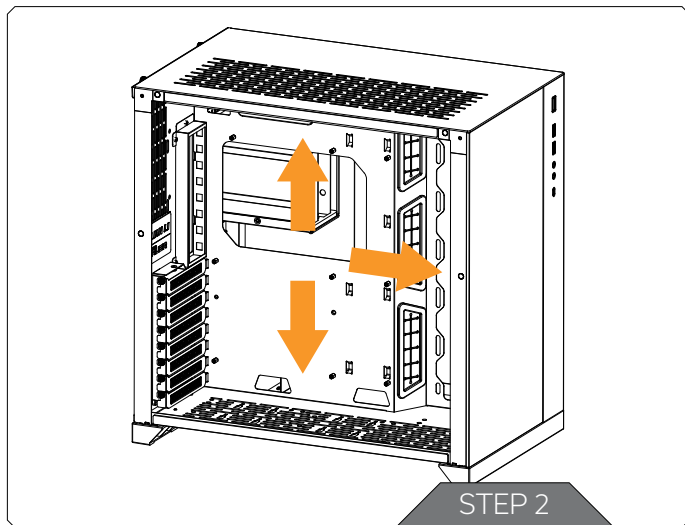


INSTALLING THE AIO UNIT



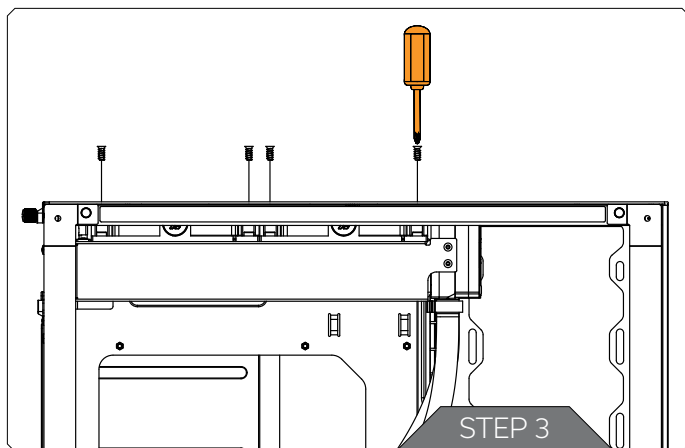
STEP 1

Mounting the AIO unit into your PC chassis requires special attention. You will need eight fan mounting screws and a Phillips head screwdriver.



STEP 2

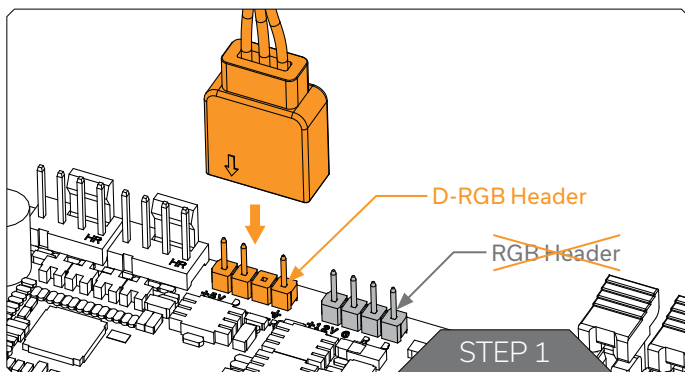
The AIO unit's position depends on the size, fan mounting holes, and hardware you have installed inside your chassis. You must make sure that the unit fits into the chassis. Usually, the cases come with pre-drilled standard fan mounting holes, and you should look for holes that have 105mm spacing (for standard 120mm cooling fans).



STEP 3

Once you have selected the mounting position within the case, you must align the fan mounting holes with the ones in the case. Use the enclosed self-tapping screws to install the unit firmly. Self-tapping screws require more torque than threaded screws but don't overdo it with force applied.

CONNECTING THE D-RGB LIGHTS

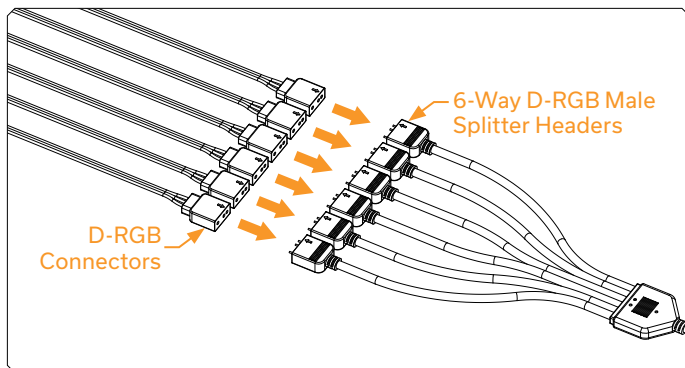


STEP 1

Connect the 3-pin D-RGB LED connector from the GPU water block and fans to the **D-RGB header** on the motherboard. The lights will work if the pin layout on the header is as follows: **+5V, Data, Empty, Ground**.



Please ensure the arrow indicated on the connector is plugged into the +5V line, as indicated on your motherboard. If you connect LEDs to the 12V RGB header, it will damage them.



ALTERNATIVE


You can use the enclosed 6-way D-RGB splitter cable to connect all the D-RGB cables into one header on your motherboard.

SUPPORT AND SERVICE


In case you need assistance, please contact:
<https://www.ekwb.com/customer-support/>

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