EK-Loop Connect

CONTROLLER
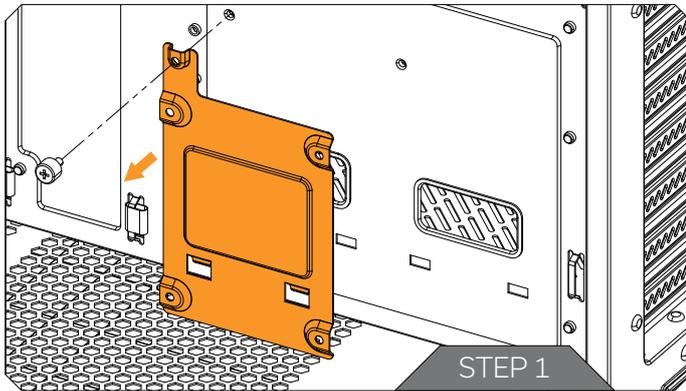
INSTALLATION MANUAL

This guide details the physical installation of your EK-Loop Connect controller and all of the standard connections which may be used to link your components.

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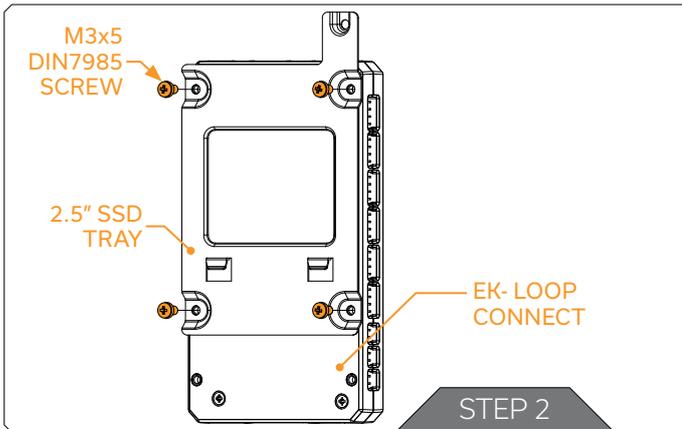
INSTALLING THE EK-LOOP CONNECT IN TO THE CHASSIS

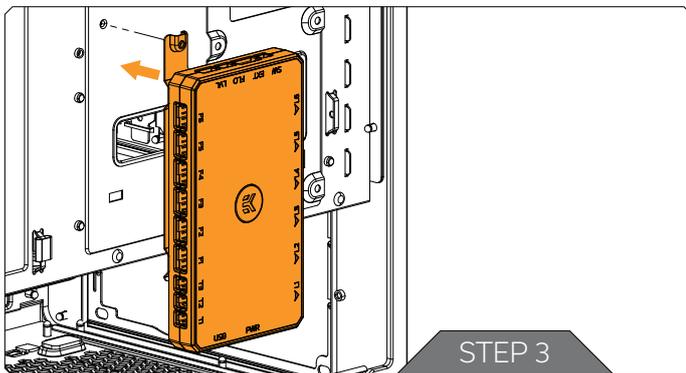**STEP 1**
Remove the desired 2.5" SSD tray

STEP 2
Install the EK-Loop Connect on to the metal plate using M3X5 DIN7985 Screws.

M3x5 DIN7985 SCREW

2.5" SSD TRAY

EK- LOOP CONNECT

STEP 3

STEP 3
Final Installation
Attach the metal plate with pre-assembled EK-Loop Connect on to the case.

CONNECTING THE FAN-S

FAN HEADERS

FAN HEADER

4-PIN PWM FAN CONNECTOR
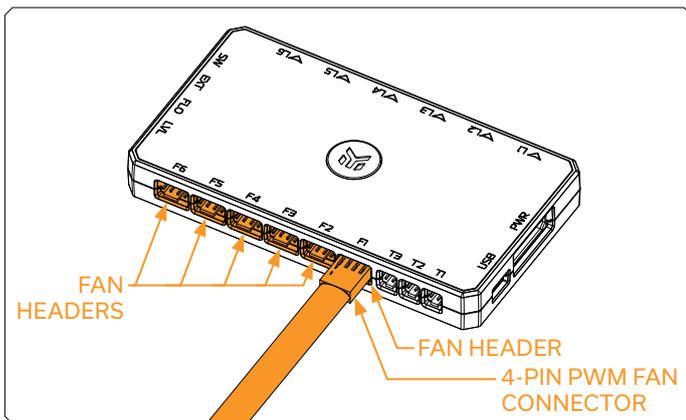
The controller is compatible with 4-pin PWM Fans, 3-pin Fans may be used however it will not be possible to adjust the speed. Insert the 4-pin Fan connectors as shown below to the 6 Fan headers marked F1-F6.

Fan Splitters may be used to connect multiple Fans to one header. EK recommends the use of Splitters with separate power connectors for 4 or more fans. Do not connect splitters in series!

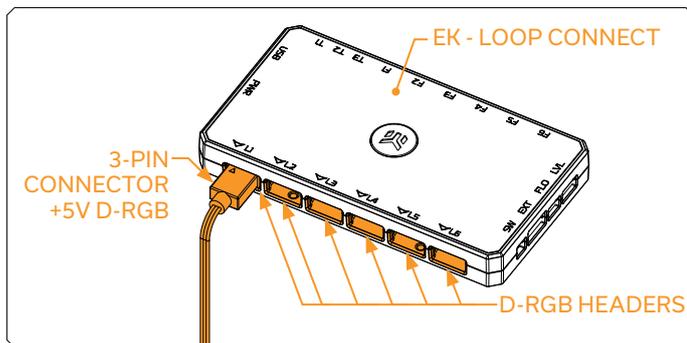# CONNECTING THE D-RGB LED

EK - LOOP CONNECT

3-PIN CONNECTOR +5V D-RGB

D-RGB HEADERS

There are 6 Lighting headers marked with L1-L6, these headers are compatible only with 5V D-RGB products and LED strips! Make sure that the arrows are aligned.

D-RGB Splitters may be used to connect multiple D-RGB products to a single header. Do not connect splitters in series!

TEMPERATURE SENSOR

TEMPERATURE SENSOR HEADERS

TEMPERATURE SENSOR HEADER

2- PIN TEMPERATURE SENSOR CONNECTOR
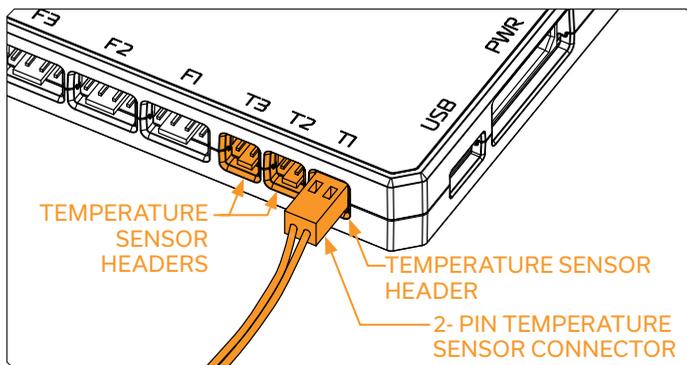
Optionally up to 3 temparature sensors may be installed to the headers marked T1-T3.

INSTALLING THE EK-LOOP CONNECT - FLOW METER

CABLE LENGTH: 500 mm
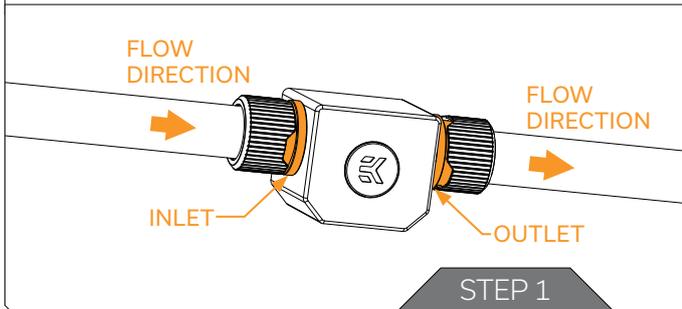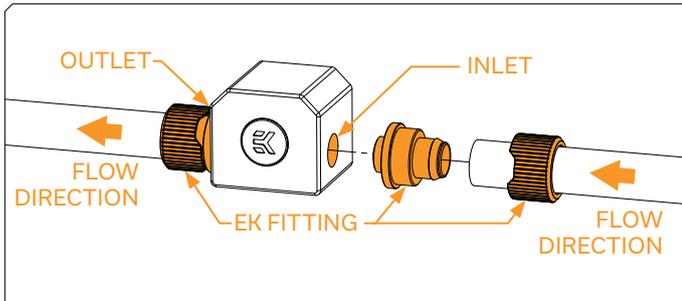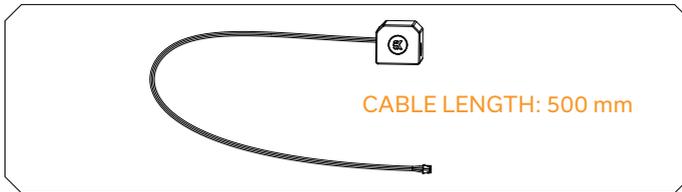
STEP 1

The Flow Meter can be mounted anywhere in the loop. Check the direction of the coolant flow and **use the correct INLET port as marked in the image**.

OUTLET

INLET

FLOW DIRECTION

EK FITTING

FLOW DIRECTION

FLOW DIRECTION

FLOW DIRECTION

INLET

OUTLET

STEP 1

STEP 2

3-PIN FLOW METER CONNECTOR
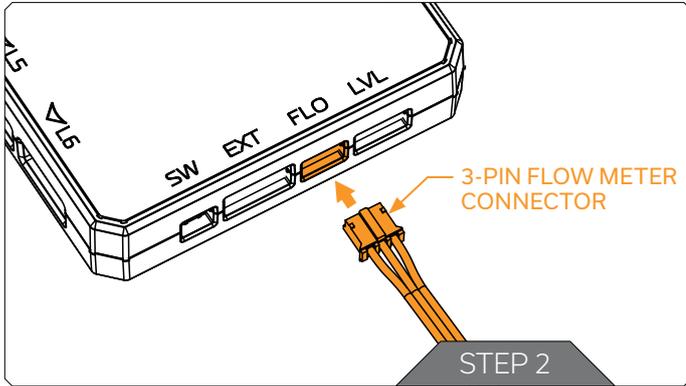
STEP 2

STEP 2

Connect the Flow Meter cable to the **FLO** port on the EK-Loop Connect.

⚠ EK-Loop Connect software is by default set to show the correct flow rate when combined with EK-Loop Connect - Flow Meter (No.Signals/Liter=80). If you are using a flow meter from another manufacturer, the setting for displaying the corresponding flow must be calibrated within the EK-Loop Connect software.
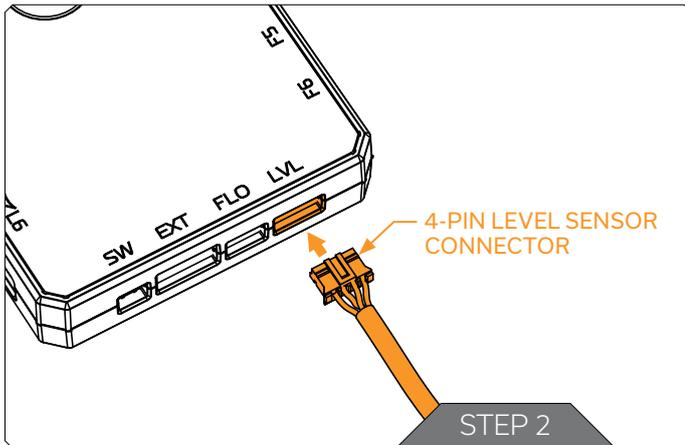
INSTALLING THE EK-LOOP CONNECT - LEVEL SENSOR

CABLE LENGTH: 500 mm

SCREW FOR SENSOR SENSITIVITY ADJUSTMENTS

SENSOR'S DETECTION ZONE
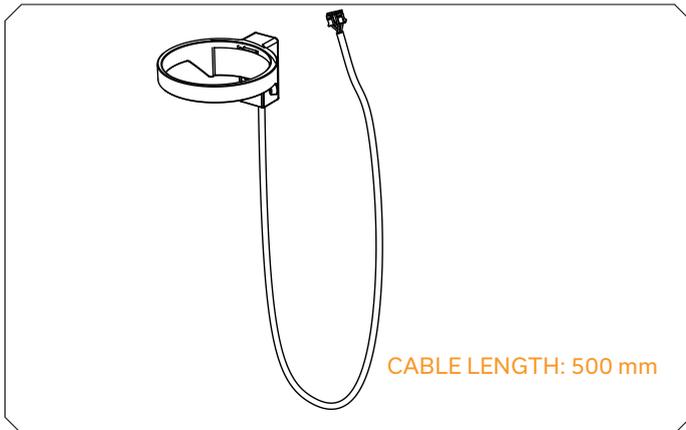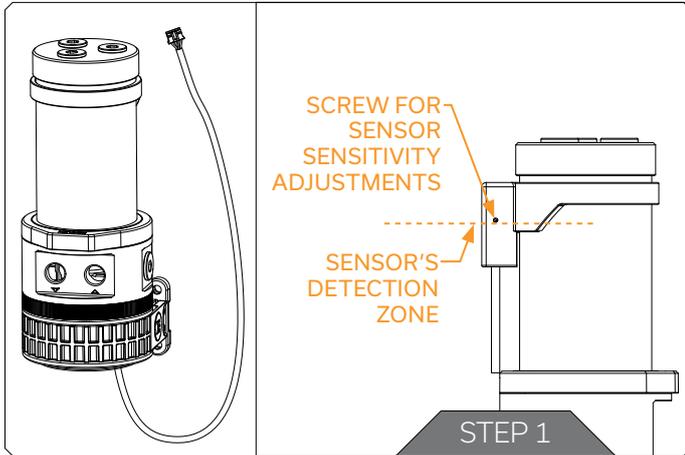
STEP 1

STEP 1

Mount the Level Sensor on the appropriate tube-shaped reservoir. Adjust the height so the detection zone can be set correctly. EK-Loop Connect will trigger a warning in case the coolant level drops below the **detection zone** region.


4-PIN LEVEL SENSOR CONNECTOR

STEP 2

STEP 2

Connect the Level Sensor cable to the **LVL** port on EK-Loop Connect.

CONNECTING THE USB CABLE



9-PIN USB CONNECTOR

USB 2.0 INTERNAL HEADER
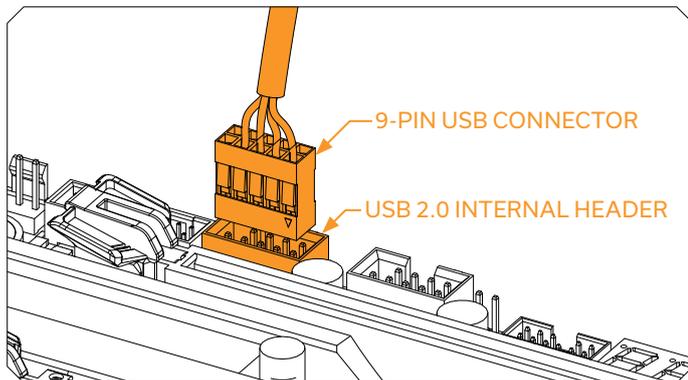
EK-Loop Connect must be linked to the motherboard using the supplied Internal USB 2.0 cable. Connect the 9-pin end to a USB2.0 header on the motherboard, pay attention to the orientaiton of the missing pin.

4-PIN USB CONNECTOR

USB HEADER
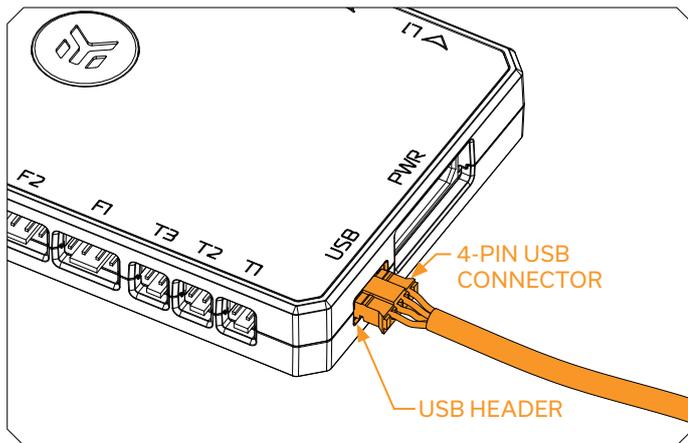
The other end of the USB cable should be plugged into the Connects USB port.

CONNECTING THE POWER ADAPTER

MOLEX POWER HEADER

MOLEX POWER CONNECTOR
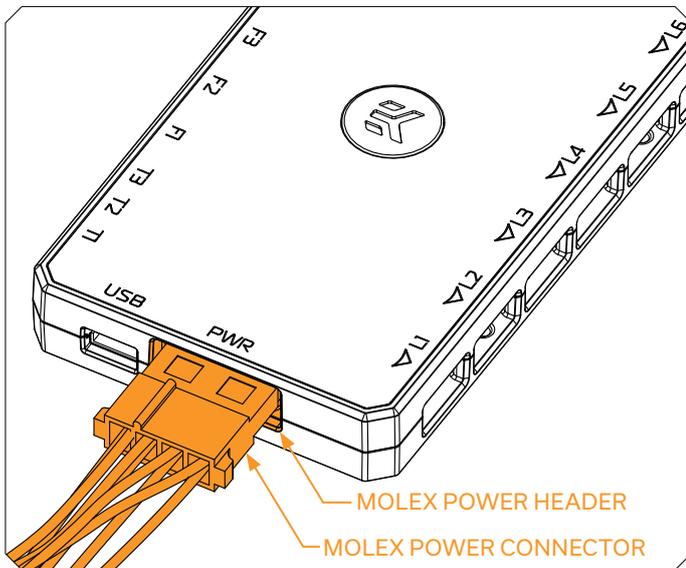
Finally plug in the Molex power connector to the PWR port using either a Molex connector directly from your PSU or the supplied 2x SATA Power adapter.

SOFTWARE

Now that physicall installation of the EK-Loop Connect is complete you may install software and continue confirguring all connected components.

SUPPORT AND SERVICE

For assistance please contact:
http://support.ekwb.com/

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