LYNK+

USER MANUAL

RTX 5090 LYNK+ SYSTEM

PLEASE READ BEFORE STARTING:

Congratulations on your new LYNK+ liquid cooling system.

The modular design of LYNK+ makes installation quick and simple, letting you enjoy top performance in just a few steps.

IF YOU PURCHASED A GRAPHICS CARD WITH A PRE-INSTALLED LYNK+ COOLER, PLEASE FOLLOW THE INSTALLATION STEPS BELOW TO INSTALL THE LYNK+ SYSTEM IN YOUR PC

IF YOU PURCHASED A LYNK+ UPGRADE KIT PLEASE RETURN TO THE USER MANUALS MAIN PAGE AND SELECT THE CORRESPONDING MANUAL.

STEP 1: COMPATIBILITY

Even though the system is designed with maximum possible compatibility in mind, there are some things that need to be taken into consideration:

CLICK HERE A FULL COMPATIBILITY GUIDE WITH EVERYTHING YOU NEED TO KNOW WHEN PLANING A NEW PC WITH LYNK+: LYNK+ COMPATIBILITY

STEP 3: INSTALLATION INSTRUCTIONS

If you've completed the steps above, please continue to the next pages for a complete User Manual on how to install your LYNK+ system.

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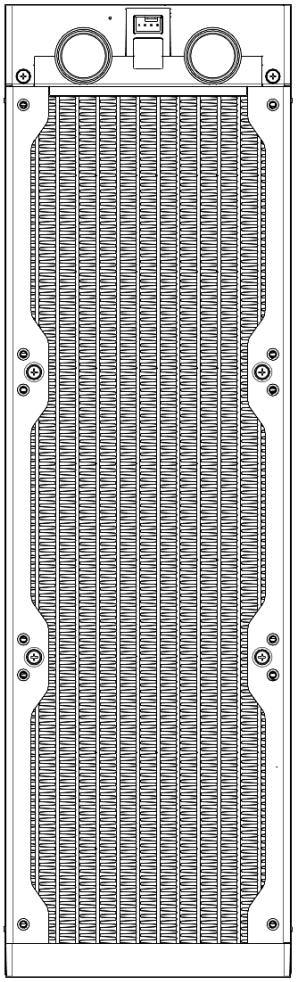

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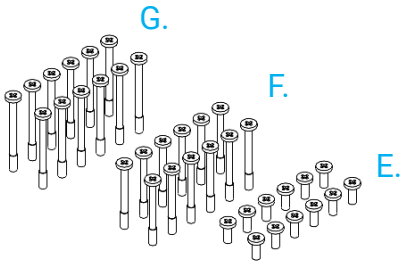

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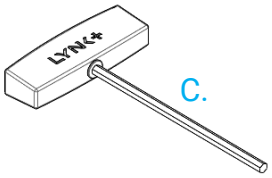

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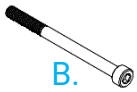
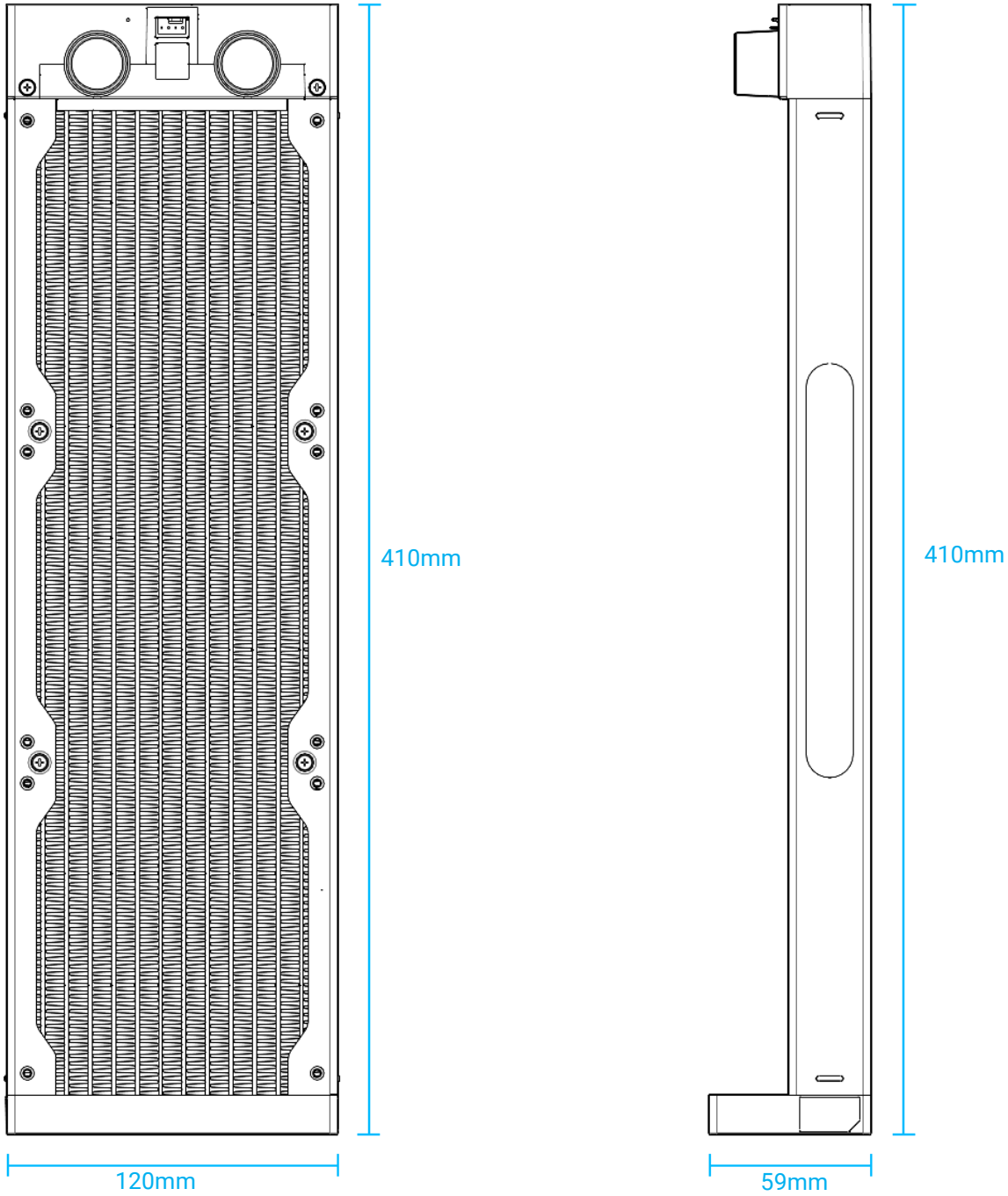


B.

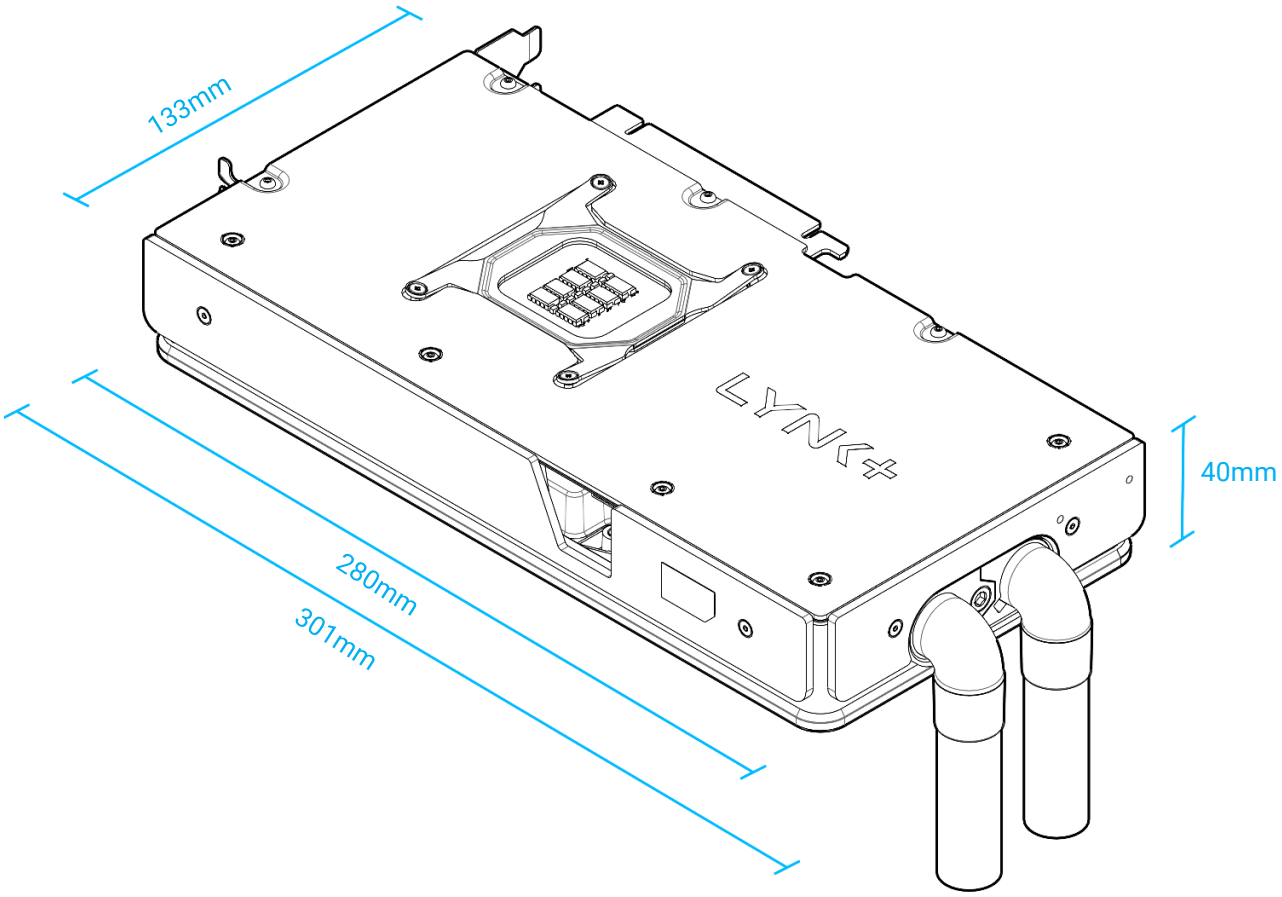
Package includes:

A. 1x 360mm Radiator Module
B. 1x Quick Connect Screw
C. 1x LYNK+ Hex Key
D. 1x User Manual QR
E. 12x Case screws
F. 12x Fan screws for 25mm thick fans
G. 12x Fan screws for 30mm thick fans

DIMENSIONS – LYNK+ RADIATOR MODULE



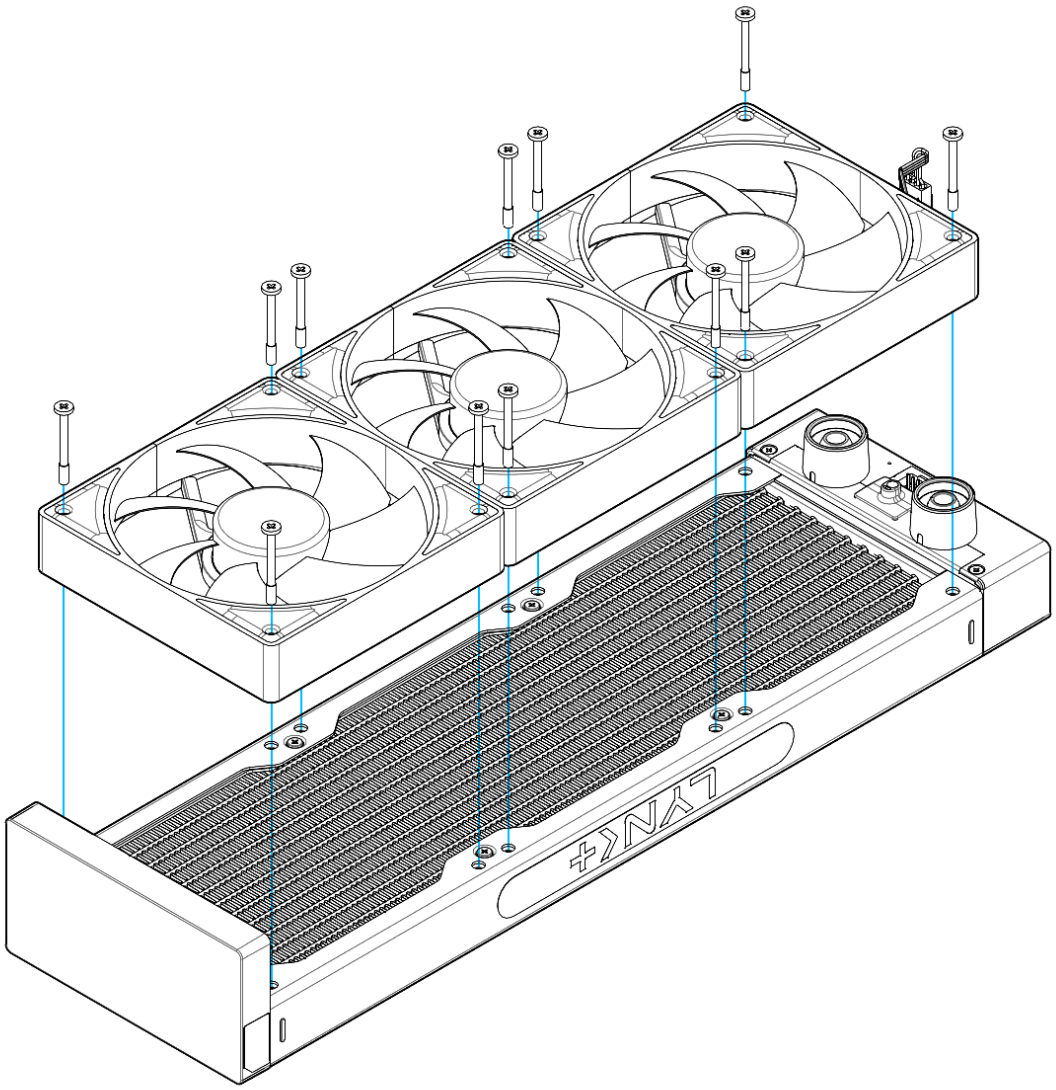
DIMENSIONS – RTX 5090 WITH LYNK+ COOLER MODULE



INSTALLING THE LYNK+ RADIATOR MODULE

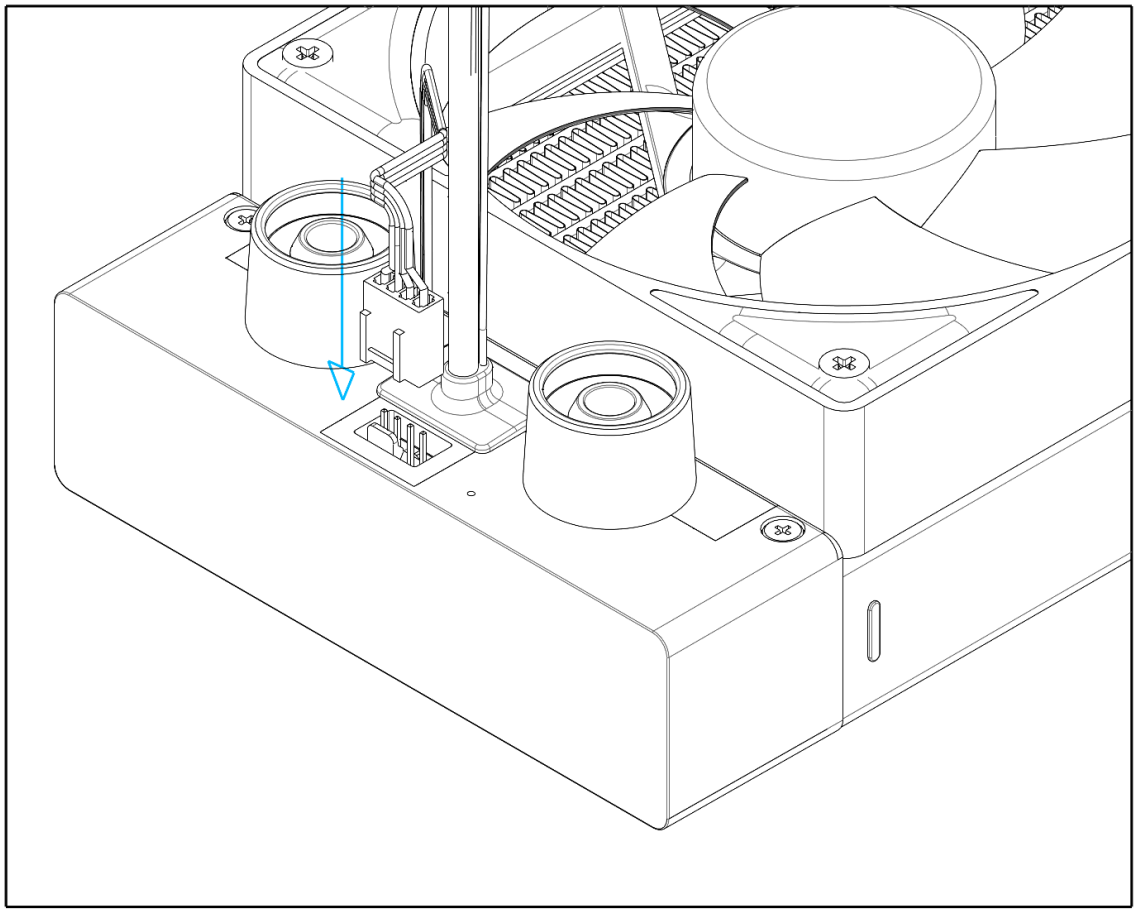
THE LYNK+ RADIATOR MODULES DON'T USE ANY PROPRIETARY CONNECTIONS AND ARE COMPATIBLE WITH MULTIPLE DIFFERENT FANS, BUT DUE TO ITS SPECIAL DESIGN, SOME FANS MIGHT NOT FIT THE RADIATOR. CLICK HERE TO CHECK FAN COMPATIBILITY.

STEP 1: INSTALL FANS ON RADIATOR



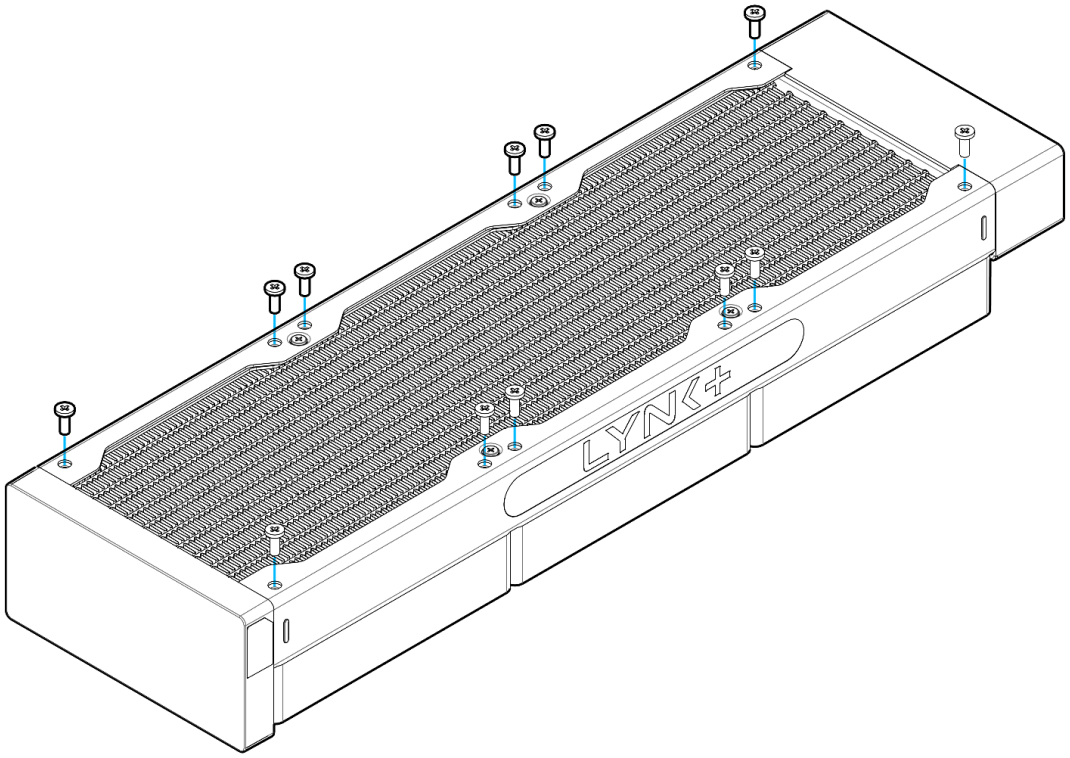
The package includes screws for 25mm and 30mm thick fans. Pick the ones that better fit your chosen fans. Screw the fans onto the radiator.

STEP 2: CONNECT FANS TO RADIATOR



Connect all 3 fans as daisy-chain using Y splitting cables, and the first one to the radiator front 4-Pin PWM connector between the tubes. The Radiator Module will provide power and RPM requirement to the fans connected to it.

STEP 3 INSTALL RADIATOR ON PC CASE

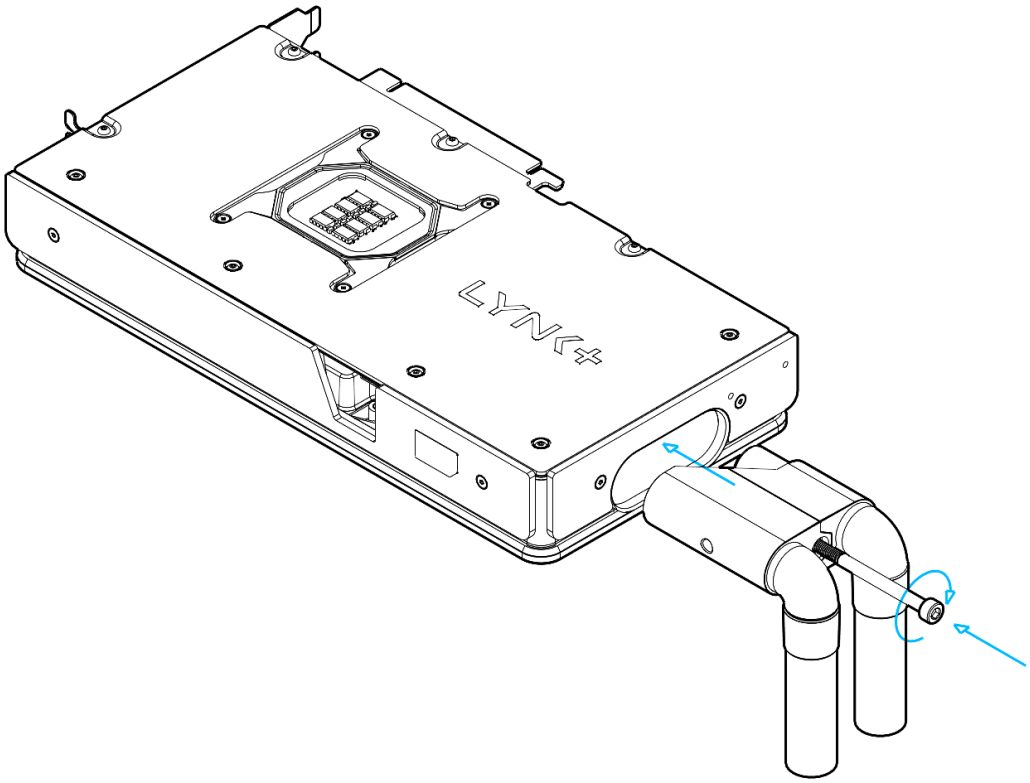


The LYNK+ system allows for the Radiator Module to be installed in any orientation, choose the one that best fits your PC case and mount the radiator using the provided PC case screws.

STEP 4 CONNECT RADIATOR CABLES

Connect SATA connector from power supply to radiator connector and connect radiator and cooler A-RGB cable to motherboard 3-in A-RGB header.

CONNECT BOTH MODULES USING THE LYNK+ QUICK CONNECT

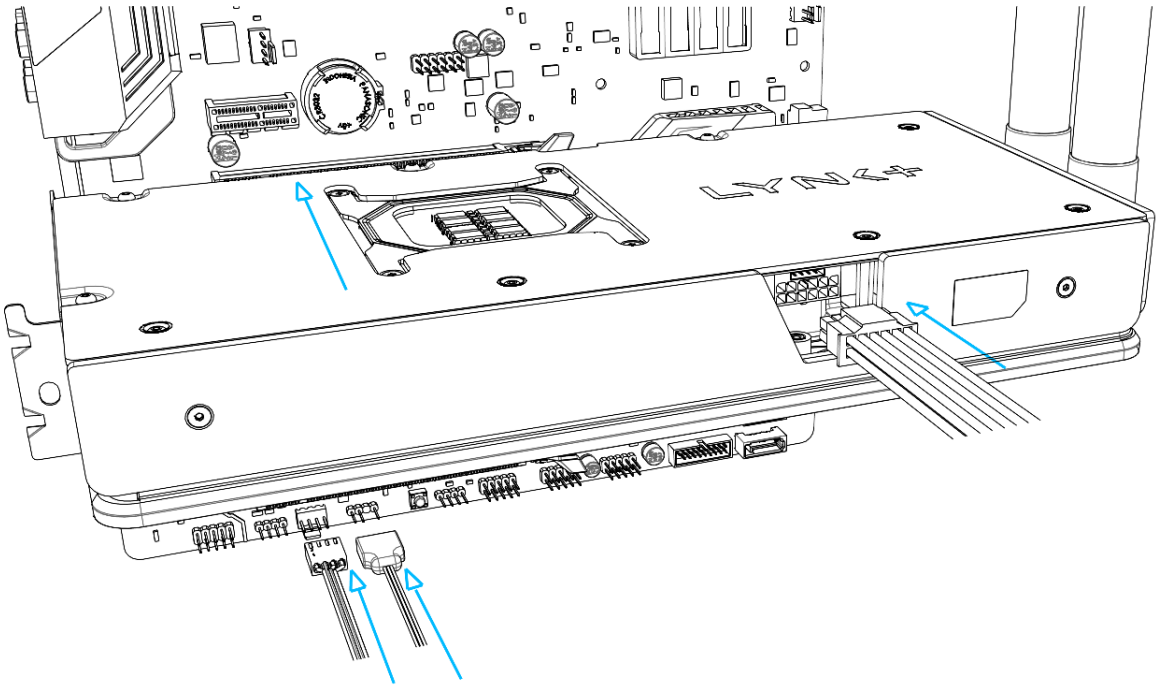


STEP 5

Insert Quick Connect in the direction shown, then insert screw, push lightly and fasten the screw using the provided Hex Key. Screw in until you feel a hard stop and the Quick Connect is flush with the cooler front.

The Quick Connect stays watertight all the way through the coupling process, there's no need to further tighten the screw after it stops.

INSTALLING LYNK+ GPU



STEP 6 INSTALL GRAPHICS CARD

Insert the assembled graphics card into the PCI-Express slot of your mainboard.

Carefully plug the 16-pin 12VHPWR connector according to the instructions provided by the Graphics Card manufacturer, make sure the connector is fully inserted before starting the system.

Attach the D-RGB LED's 3-pin connector to a D-RGB header on your mainboard.
Attach the 4-pin FAN connector to a FAN header on your mainboard.

STEP 7: MAKE SURE EVERYTHING IS INSTALLED CORRECTLY

Check that all cables are connected correctly
Make sure Quick Connect is screwed in completely
Make sure the tubing has no kinks

NOW YOU ARE READY TO POWER ON YOUR SYSTEM

CONFIGURING THE FANS

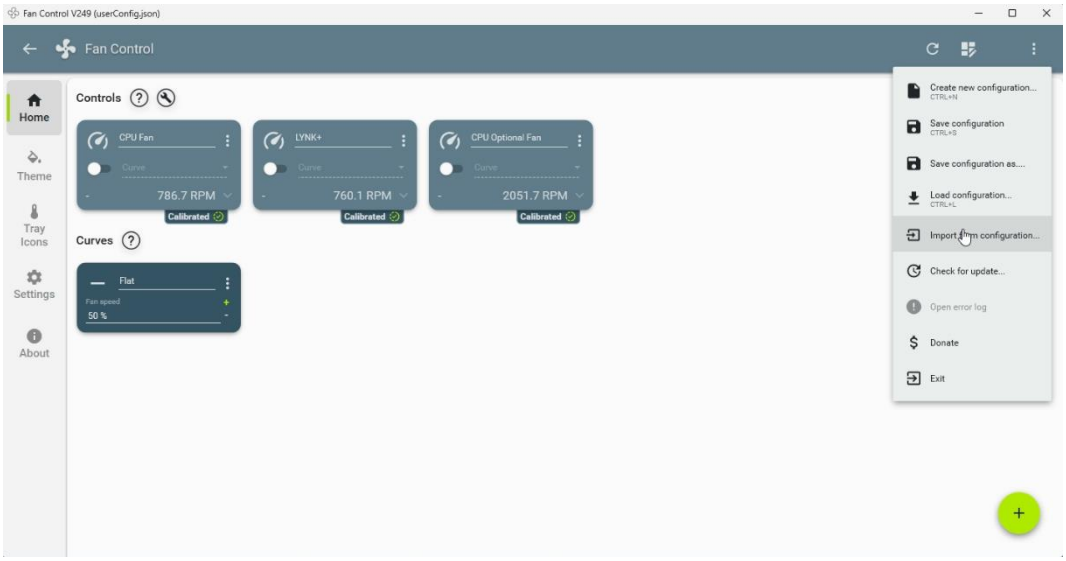
ONCE THE SYSTEM IS RUNNING, CHECK STATUS LED ON THE FRONT OF RADIATOR MODULE , IF THE LED IS BLINKING, PLEASE REFER TO THE BLINK CODE IN THE TROUBLE SHOOTING SECTION FURTHER DOWN.

We highly recommend for the LYNK+ fans to be controlled **based on the temperature of your GPU**. There's more than one way of achieving this, here's our recommendations:

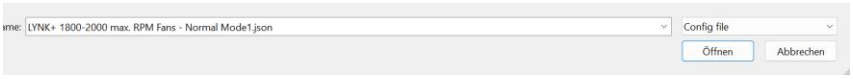
OPTION 1: FAN CONTROL SOFTWARE

Fan Control is a third party software for controlling fans **independent of** what **Mainboard brand** you built your system around. This software allows you to **control fans** based on any given system temperature, including **GPU temperature**. This is the software that we use for our in-house testing, and we highly recommend it:

1. Download and install the latest version of the Fan Control software at: https://getfancontrol.com/
2. Install all required updates, plugins or libraries when prompted on the first start.
3. Run the Assisted Setup, fan control will detect connected fans and help you pair the fan RPM Control to their corresponding speed sensors. Enable "Start at user log on" and "Start minimized".
4. Once the connected fans and speeds are paired, select "Import from Configuration" from the three dot menu on the right.



5. Download the pre-configured curve that best fits your use-case from this link, select the .json configuration file that you downloaded on the import window.



6. Click on the “Import” Button and the pre-configured fan curve should now appear under “Curves”. Choose the imported fan curve for the RPM Control of your LYNK+ System.

7. You should be good to go, enjoy!

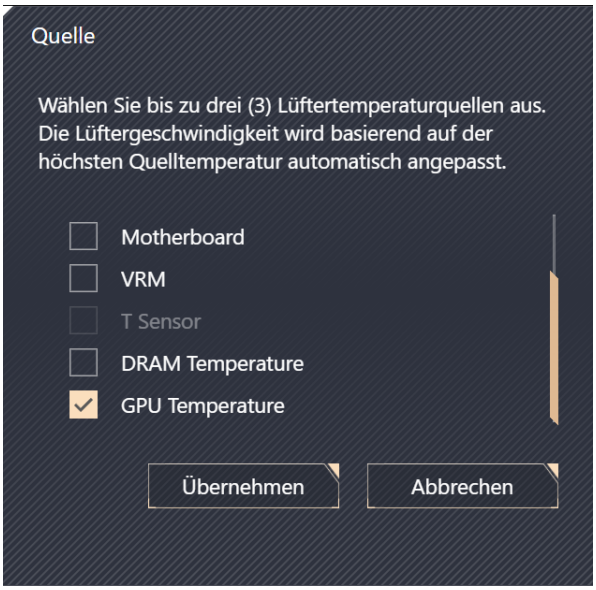
IF YOU RUN INTO PROBLEMS CONFIGURING FAN SPEEDS, MAKE SURE YOUR FAN HEADER IS CONFIGURED AS A PWM FAN ON YOUR MAINBOARD BIOS.

OPTION 2: ASUS FANXPERT

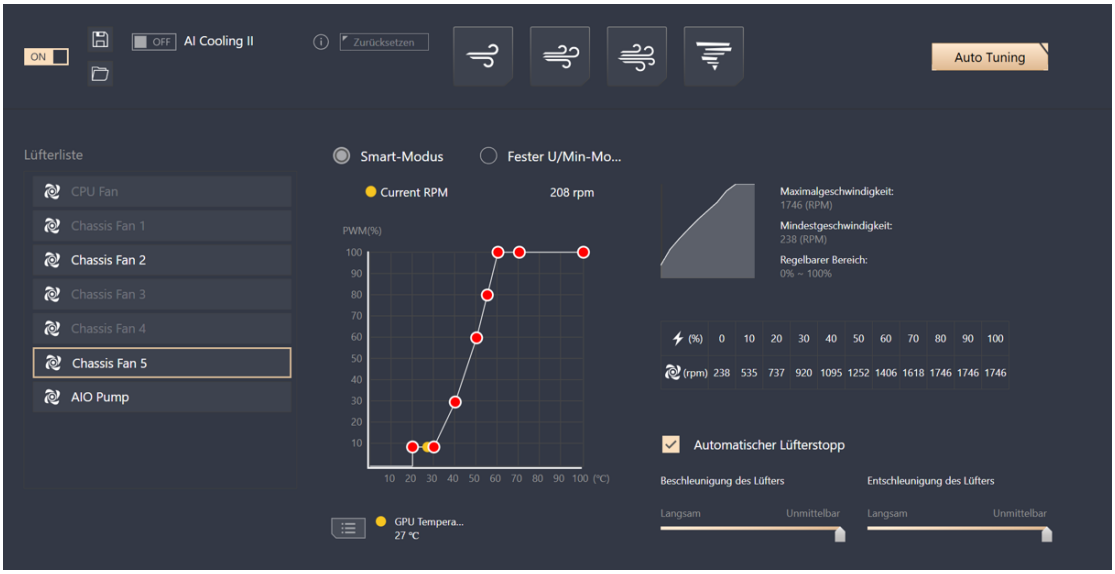
If you happen to own a recent **ASUS Mainboard**, the **ASUS Armoury Crate Suite** integrates a module for controlling fans called **FanXpert**, this software allows you to control fans based on any given system temperature, including GPU temperature:

1. Download and install the latest version of ASUS Armoury Crate from: https://armoury-crate.com/
2. Install the Assistant Module, which includes the FanXpert module, update if required.
3. Take note of the name of the fan header where you plugged your cooler module into your mainboard.
4. Under the Fan Xpert window, select the correct Chassis Fan from the fan list

5. Configure the fan rpm curve to be controlled via the GPU temperature, deselect the CPU temperature control.



6. Here’s a recommended fan curve for fans with a max rpm that ranges between 1800-2000 rpm. If you have faster or slower fans installed on your radiator, adjust the curve points accordingly



TROUBLESHOOTING & LED BLINK CODES

NORMAL OPERATION (STATUS LED LIGHTS UP CONTINUOUSLY):

Status LED blinks for first 1 or 2 seconds after powering the system and then lights up continuously.

BUS SEARCH (STATUS LED FLASHES SLOWLY, 1HZ FREQUENCY) OR BUS ERROR (STATUS LED FLASHES 2 TIMES, 1HZ FREQUENCY):

The bus is not verified or interrupted. This status also applies to the initial bus verification. Pump keeps running at 3900 RPM, fans will go to 1200 RPM, but fan and pump speed cannot be controlled. Make sure the coupling is screwed to the stop and check that the 4/Pin Fan connector is connected properly and “Fan control Mode” for this connector is set to “PWM” on your BIOS or mainboard control software.

PUMP ERROR (STATUS LED FLASHES QUICKLY, 2HZ):

Pump RPM signal is too low or too high. The error state is cancelled when the RPM value of the pump is normalised again. Can mean that air collected inside of the pump, usually restart solves this issue. If not try to tilt the radiator a little while start up, so air can move to reservoir.

NO POWER (STATUS LED IS NOT LIGHTED):

Check if Sata cable of radiator is connected to power.

Customer Support: support@lynk.plus

Product may vary slightly from those pictured. 9500-5262-50-01