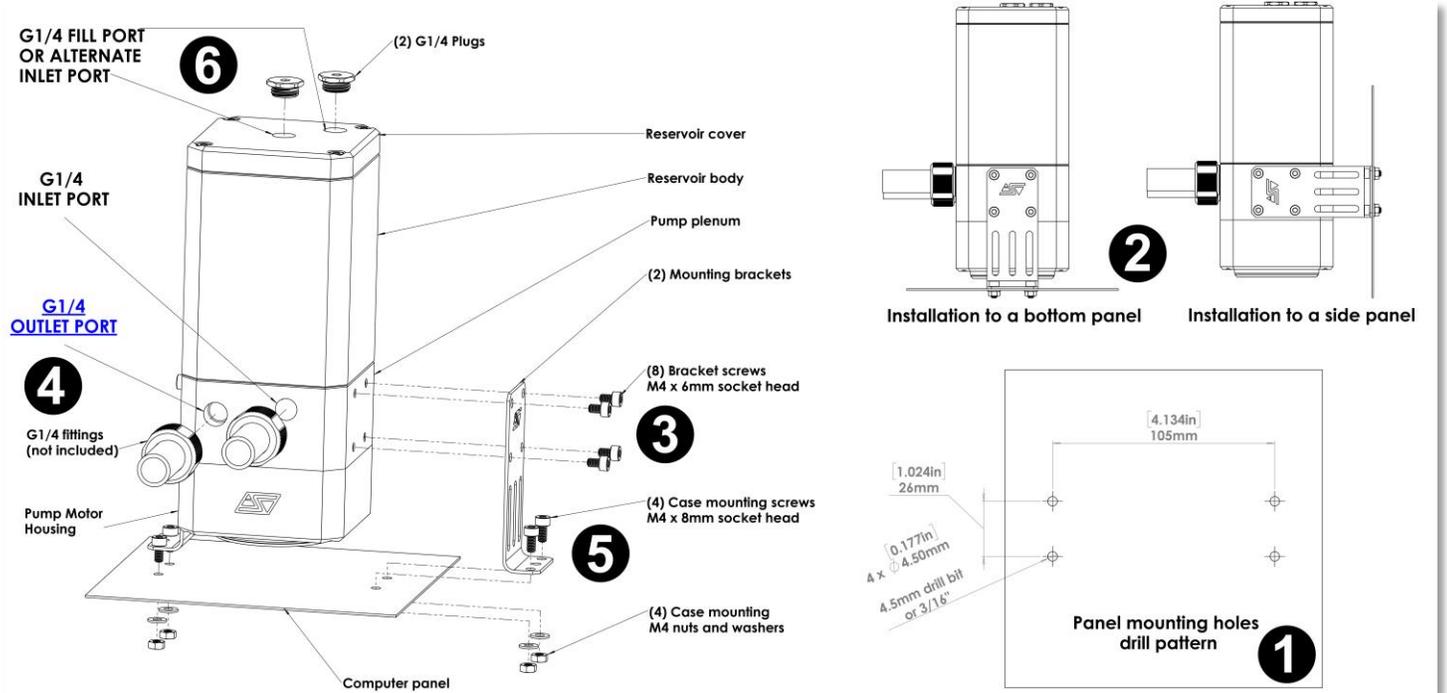


# Swiftech® MAELSTROM D5-X SERIES – QUICK INSTALLATION GUIDE

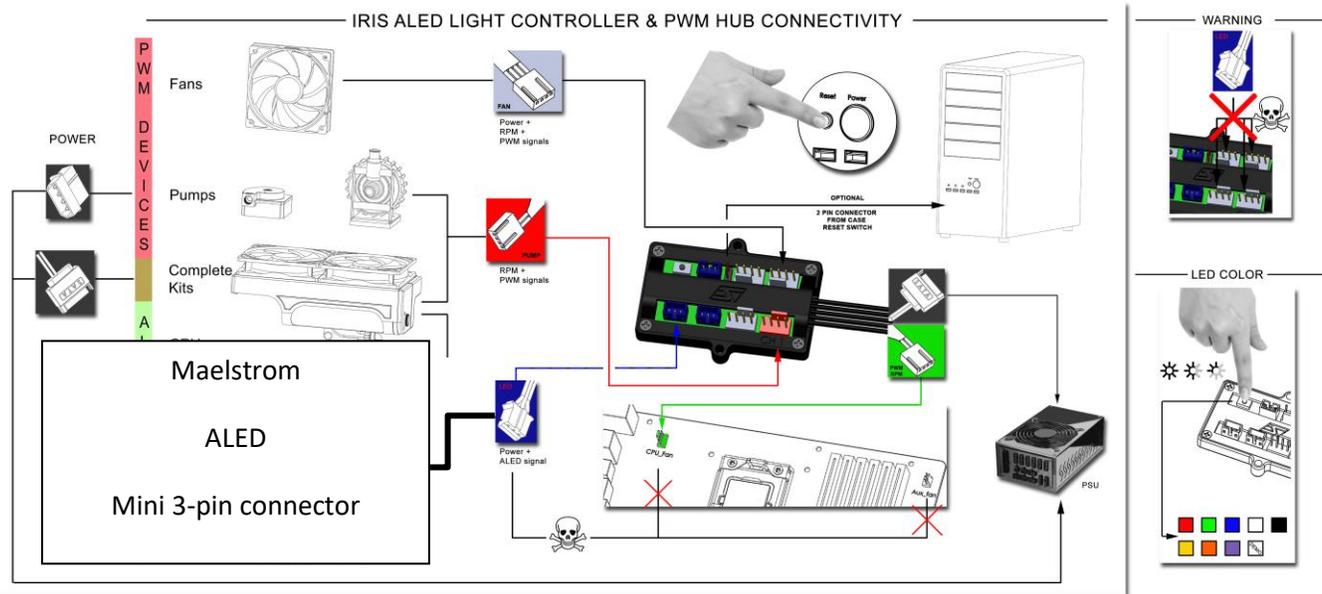


**Preliminary note of caution!** Never use excessive torque to lock the screws or the fittings. Excessive torque will result in damage to your product, and is not covered by our warranty. The rule of thumb is to NOT exceed ¼ of a turn past mating point of the parts.

1. Locate the area where the pump will be installed. Drill 4 holes (Ø4.5mm or 3/16") in a 26 x 105mm hole pattern as shown above.
2. You can orient the retention brackets either vertically or horizontally as shown above, depending on your installation.
3. Install the retention brackets to the reservoir using the provided (8) M4x6 socket head cap screws.
4. Install (2) G ¼" fittings (not included). Pay particular attention to the location of the Inlet and Outlet ports so that the coolant will circulate as intended in your loop. For your tube routing convenience, there are two possible inlet ports for the coolant: immediately next to the outlet port on the face of the pump plenum, or on the reservoir top cover.
5. Fasten the pump to the case using the supplied (4) M4x8 socket head cap screws, with M4 nuts and washers.
6. Fill-up the reservoir with coolant using one of the G1/4 fill-ports of the reservoir top cover.
7. Connect the pump Molex power connector to your computer power supply, and connect the mini 4-pin PWM/RPM signal connector to the motherboard CPU\_Fan header. This will allow you to adjust the pump speed using the motherboard software similarly to any cpu cooler. Please note that If the mini 4-pin is not connected, then the pump will always run at full speed. Operating precautions: **The pump should never be run dry, even for a quick test.** You should always prime the pump with fluid before you start operating it (see warranty note \*). **Use of coloring dye or fluorescent additives** containing particulate fillers will cause excessive wear to the pump's impeller bearing (see warranty note \*\*).
8. To control the lighting of your maelstrom reservoir, connect the mini 3-pin ALED female connector to a male ALED connector on Swiftech's IRIS ALED light controller (not provided and sold separately) - See electrical diagram to the back of this page.

**DISCLAIMER:** While all efforts have been made to provide the most comprehensive tutorial possible, Swiftech® assumes no liability expressed or implied for any damage(s) occurring to your components as a result of using Swiftech® cooling products, either due to mistake or omission on our part in the above instructions, or due to failure or defect in the Swiftech® cooling products. In addition, Swiftech® assumes no liability, expressed or implied, for the use of this product, and more specifically for any, and all damages caused by the use of this product to any other device in a personal computer, whether due to product failure, leak, and electrical short, and or electro-magnetic emissions.

**WARRANTY:** The products are guaranteed for 24 months from the date of delivery to the final user against defects in materials or workmanship. During this period, they will be repaired or have parts replaced provided that: (I) the product is returned to the agent from which it was purchased; (II) the product has been purchased by the end user and not used for hire purposes; (III) the product has not been misused, handled carelessly, or other than in accordance with any instructions provided with respect to its use. Guarantee is considered void in case of **improper use** (\*)(\*\*)(\*\*\*), handling or negligence on the part of user. Original invoice showing date and place of purchase is required for exercise of the warranty. This guarantee does not confer rights other than those expressly set out above and does not cover any claims for consequential loss or damage. This guarantee is offered as an extra benefit and does not affect your statutory rights as a consumer. (\* **WARNING: DO NOT ATTEMPT TO OPERATE THIS PUMP DRY. THIS WILL CAUSE IMMEDIATE AND PERMANENT DAMAGE TO THE PUMP.** \*\*) **EXCESSIVE WEAR DUE TO INNADEQUATE FLUIDS.** (\*\*\*) **EXCESSIVE RESTRICTION TO THE PUMP'S INLET.**



**Installation of the clamps only provided with the Maelstrom D5-X200 and X300 models (clamps are neither included nor necessary with the Maelstrom D5-X50 or X100)**

Due to the substantial height of the reservoir for the above two models, additional clamps are provided to ensure a secure installation to the computer case.

1. Drill 2 x  $\varnothing 4.5\text{mm}$  (3/16") holes, 8.5mm (0.335") apart, along the centerline of the reservoir. Adjust the relative height of the holes depending on your own installation.
2. Fasten the clamps to the reservoir using the provide M4 x 35mm socket head screws
3. Fasten the clamps to the panel using the provided M4 x 8mm screws

