MAELSTROM 5 ¼" DUAL BAY RESERVOIR SERIES
Installation guide

What is Included in the box:

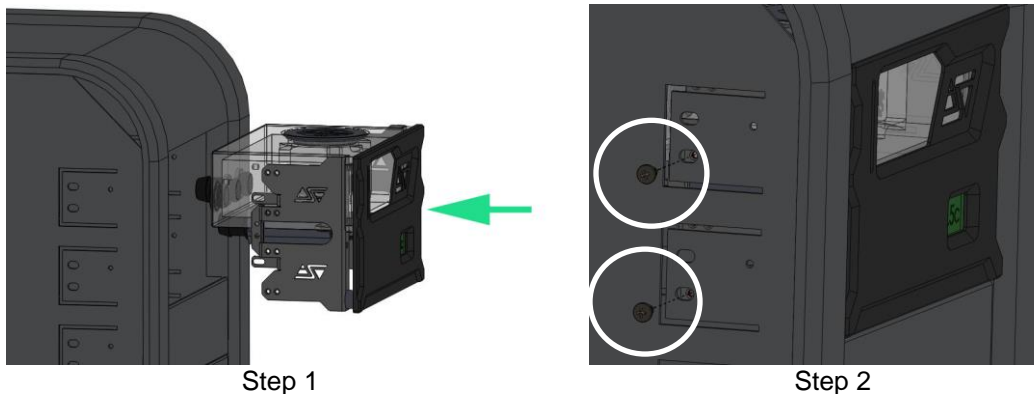| Qty	Item/Part Number
1	Maelstrom V2 Reservoir including: • (1) Acrylic reservoir with fill-cap & o-ring, foam insert, s/s mesh • (1) MCP50X built-in pump • (1) G ¼ plug
4	Installation screws (M3)
1	3mm UV Led & cable with min 3-pin connector
1	Maelstrom Sticker

Warning!

Incorrect installation of the fittings may permanently damage the thread of the reservoir ports, and is not covered under our warranty. Please note that fittings should screw freely into a port. Should you feel any resistance in the first turn when beginning to fasten a fitting, then <u>do not attempt to force it</u>! If this happens, back-off the fitting entirely, and screw it back in while making sure that it is being inserted <u>perfectly perpendicular</u> to the port thread.

- **Fittings and plugs fastening torque and procedure**: using a 5/8" socket or a flat wrench, the correct torque in acrylic material is approximately $1/8^{th}$ of a turn past the point where the body of the fitting has mated finger tight with the reservoir surface.

- **Fill-cap utilization:** simply push on the fill-cap and twist it approximately 1/8 to 1/4 of a turn in any direction to either loosen or fasten it.

1. Installation of the reservoir into the chassis

The Maelstrom series bay reservoirs share the same form factor as internal CD and DVD writers and thus is installed in the same fashion: simply slide it into your chassis from the front, and use the provided M3 screws to fix it in place.

Step 1   Step 2
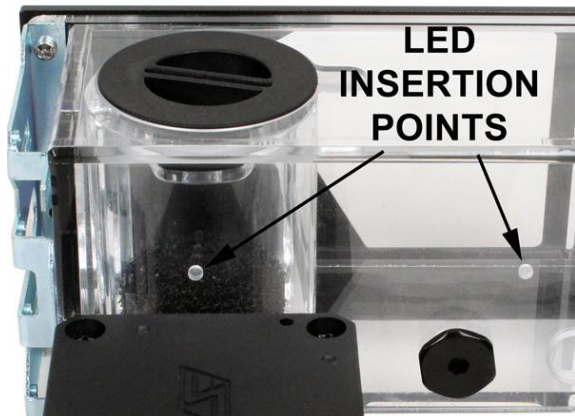
2. Installation tips

- Always secure your fittings to the reservoir prior to install it into the chassis as it will be easier to lock them properly in place.
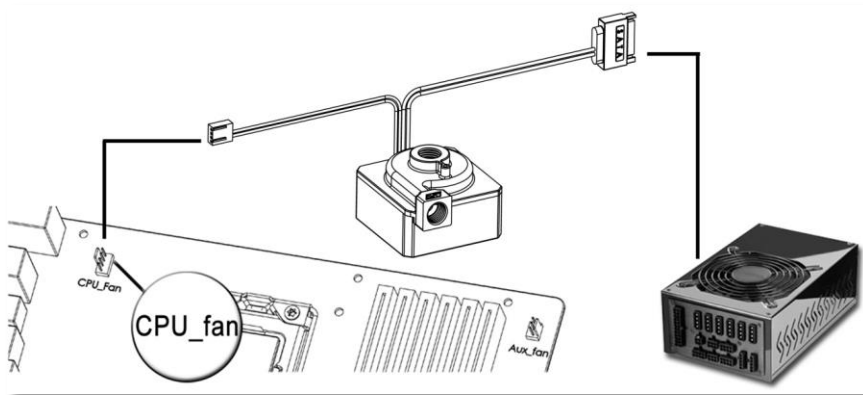
- Always make sure that you have sufficient slack in the tubing coming from your loop so that you can pull the Maelstrom and access the fill-port from the front in order to fill it up with coolant.

3. LED installation

Apply a small drop of cyanoacrylate type of glue (Loctite, Superglue, Krazy glue) (not provided) to the LED body, and immediately insert it in one of the desired holes. We recommend testing the illumination (with coolant) of your preferred location prior to gluing the LED.

4. Pump Electrical connections

5. Coolant: precautions for use

- The recommended coolant is Swiftech's HydrX or Hydrx PM. Swiftech's **product warranty** does not cover the use of 3rd-party coolants.
- Excessive use of coloring additives and/or UV dies containing particulate fillers may damage your pump bearing and may void your pump warranty.
- The use of any additive or coolant containing alcohol is prohibited and dangerous: it will result in permanent damage to your acetal reservoir and may result in catastrophic leaks.

6. Pump specifications

Technical Specifications			
Motor type	Electronically commutated, brushless DC motor	Max. pressure	22 PSI (1.5 BAR)
Nominal voltage	12 V DC	Temperature range	Up to 140 °F (60 °C)
Operating voltage range	7 to 13.4 V DC	Electrical power	SATA connector
Max. power (@12 V)	25.8 W	PWM + RPM Signals	4-pin connector
Max. current (@12 V)	2.15 A	RoHS	Compliant
Max. head (@12 V)	15.8 ftH2O (4.8 mH2O)	Port thread standard	G1/4 (1/4" BSPP)
Max. discharge (@12 V)	3.8 gpm (14.3 Lpm)	Weight	7.6 oz

ALWAYS TEST YOUR INSTALLATION FOR LEAKS PRIOR TO POWERING-UP YOUR COMPUTER!