

# RADIATOR DISTRIBUTION PLATES



# MANUAL

Revision 1.0



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## Introduction

The Singularity Computers Radiator Distribution Plate comes in 360mm, 420mm, 480mm and 560mm versions. It is designed to be an external water-box/water-cooling system. It is a D5 reservoir combo which mounts onto a radiator with stand-offs. With the SC Radiator Distribution Plate attached to a radiator you can build a full external water-cooling system as extra support for your system or if you don't have radiators, fans, pump and reservoir inside of your system. It is built from CNC machined clear cast acrylic and uses gaskets instead of O-Rings for increased durability. It is hand assembled with stainless steel fasteners. It has an integrated ARGB LED strip with an Accent Cover.

## Specifications & Included Items

<b>Distribution Plate</b>	Clear Cast Acrylic. CNC Machined.
<b>D5 Pump Cover</b>	CNC Machined Aluminum.
<b>Integrated D5 Pump Top</b>	Yes.
<b>Integrated Reservoir</b>	Yes.
<b>Fasteners</b>	Stainless Steel.
<b>Gaskets</b>	Silicone Black.
<b>Materials</b>	Cast Acrylic.
<b>Manufacturing Process</b>	CNC Router.
<b>Assembly</b>	Assembled by hand and pressure tested.
<b>Dimensions &amp; Weight (Pump Cover Excluded)</b>	<b>360mm:</b> L: 360mm x W: 120mm x H: 31mm   3kg. <b>420mm:</b> L: 420mm x W: 140mm x H: 31mm   3kg. <b>480mm:</b> L: 460mm x W: 120mm x H: 31mm   3kg. <b>560mm:</b> L: 560mm x W: 140mm x H: 31mm   3kg.
<b>Packaged Dimensions &amp; Weight</b>	<b>360mm:</b> L: 420mm x W: 150mm x H: 31mm   3.5kg. <b>420mm:</b> L: 460mm x W: 200mm x H: 31mm   3.7kg. <b>480mm:</b> L: 520mm x W: 150mm x H: 31mm   4kg. <b>560mm:</b> L: 620mm x W: 200mm x H: 31mm   3.5kg.

## Installation

Remove the Stand Offs from the Distribution Plate by undoing the fasteners from the front. Then install the Stand Offs onto the radiator, they should be the ones you selected upon purchase which are suitable for your radiator (check your radiators thread size). Then you can mount the Distribution Plate to the stand offs.

Please make sure to use the included O-Rings when installing the pumps. Remove the pump covers from the distribution plate, install the O-Rings into the O-Ring grooves on the pump tops. Then push the pump into the pump top and screw the cover on. Tighten the pump covers down firmly. Pressure testing is recommended but do not pressure test past 0.5 bar.

## Dimensions & Flow Diagram

❶ Dimensions are in millimetres

