

Thermaltake CL-W302-PL12SW-B

Thermaltake TH360 ARGB Motherboard Sync Snow Edition All-in-One Liquid Cooling System Instruction Manual

Model: CL-W302-PL12SW-B

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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Thermaltake TH360 ARGB Motherboard Sync Snow Edition All-in-One Liquid Cooling System. This high-performance CPU cooler is designed to efficiently dissipate heat from your processor, ensuring stable system operation. It features a 360mm radiator, three 120mm ARGB fans, and a water block with integrated ARGB lighting, all controllable via an included smart fan controller or compatible motherboard RGB software.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating this product. Failure to follow these instructions may result in damage to the product, other components, or personal injury.

- Ensure your computer system is powered off and unplugged from the wall outlet before installation.
- Avoid touching the liquid cooling tubes or radiator fins with sharp objects.
- Do not open the liquid cooling loop; it is a sealed system. Opening it will void the warranty and may cause leaks.
- Handle components with care to prevent damage.
- Keep out of reach of children.
- If any liquid leakage is observed, immediately power off your system and disconnect it from the power source. Contact Thermaltake support.

3. PACKAGE CONTENTS

Verify that all components listed below are present in your package:

- Thermaltake TH360 ARGB All-in-One Liquid Cooler (Radiator, Pump, Water Block, Tubing)
- Three 120mm ARGB Radiator Fans
- Smart Fan Controller
- Mounting Hardware Kit for Intel and AMD Sockets (Backplates, Brackets, Screws)
- User Manual (This document)



Image: Overview of the Thermaltake TH360 ARGB All-in-One Liquid Cooling System, showing the radiator, three fans, pump/water block, and tubing.

4. SETUP & INSTALLATION

Follow these steps for proper installation of your liquid cooling system. Refer to your motherboard and PC case manuals for specific guidance on component placement and cable routing.

4.1. Prepare Your System

1. Power off your computer and unplug it from the power outlet.
2. Open your PC case to access the motherboard and CPU area.
3. Remove any existing CPU cooler. Clean the CPU surface thoroughly to remove old thermal paste.

4.2. Install Radiator Fans

Attach the three 120mm ARGB fans to the radiator using the provided screws. Ensure the fan direction is set for optimal airflow (typically exhausting air out of the case or pulling air into the radiator from outside).



THREE 120MM ARGB RADIATOR FAN

High-static pressure fan design delivers impressive cooling performance.

Image: Close-up view of the three 120mm ARGB fans mounted on the radiator, highlighting their design.

4.3. Install Radiator in PC Case

Mount the radiator assembly (with fans attached) to an available 360mm mounting location in your PC case. Common locations include the top or front of the case. Secure it with the appropriate screws.

4.4. Prepare CPU Mounting Hardware

Select the correct backplate and mounting brackets for your CPU socket type. This cooler supports:

- **Intel:** LGA 1700, 1200, 1156, 1155, 1151, 1150
- **AMD:** AM5, AM4, AM3+, AM3, AM2+, AM2, FM2, FM1

Install the backplate behind your motherboard and attach the standoffs/screws as per the specific socket instructions provided in the cooler's physical manual or Thermaltake's website.

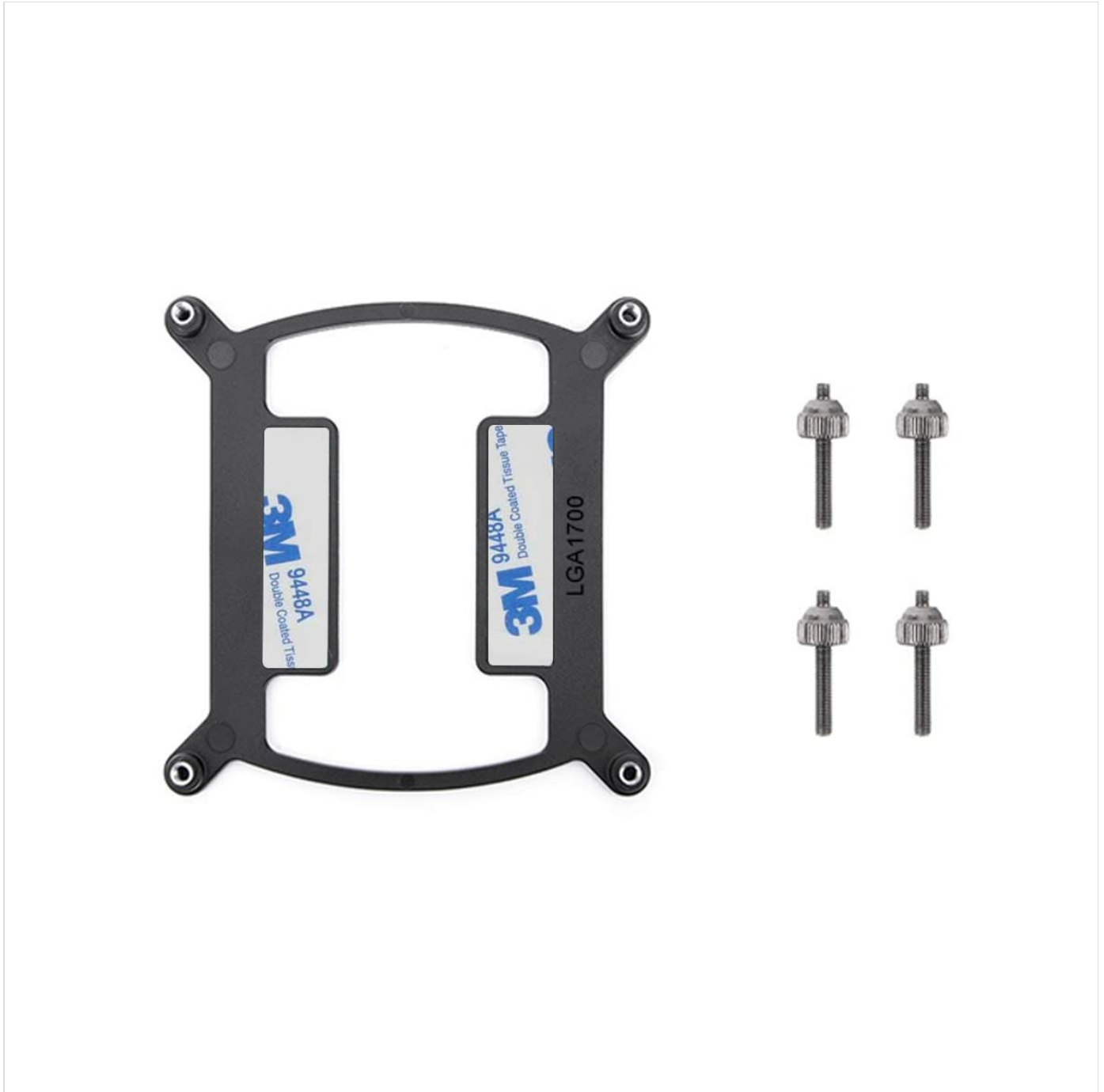


Image: Example of mounting hardware, specifically showing an LGA1700 bracket and screws.

4.5. Install Water Block/Pump

The water block comes with thermal paste pre-applied. Carefully align the water block with the CPU and the mounting holes on the motherboard. Secure the water block using the chosen mounting brackets and screws. Tighten screws in a diagonal pattern until snug, ensuring even pressure.



HIGH RELIABILITY PUMP

The high quality and reliable pump enables maximum water circulation, keeping the copper plate continuously cool. The low evaporation tube effectively decreases the loss of coolant.

Image: Detailed view of the high-reliability pump and water block, featuring its ARGB lighting ring.

4.6. Connect Cables

Connect the pump power cable to the CPU_FAN or AIO_PUMP header on your motherboard. Connect the fan power cables to the smart fan controller. Connect the ARGB cables from the fans and pump to the smart fan controller. If you wish to synchronize with motherboard RGB software, connect the controller's ARGB sync cable to a compatible 5V ARGB header on your motherboard.



SMART FAN CONTROLLER

The ARGB controller allows users to switch LED modes, LED colors, and lighting speeds when using a motherboard without a 5V addressable RGB header.

Image: The smart fan controller, showing buttons for mode, color, and speed adjustments.

Ensure all cables are routed neatly and do not interfere with other components or airflow.

5. OPERATION

5.1. Initial Power On

After completing the installation, close your PC case, plug in the power, and power on your system. Monitor CPU temperatures using system monitoring software to ensure proper cooling performance.

5.2. ARGB Lighting Control

The TH360 ARGB Snow Edition offers two methods for controlling its lighting effects:

- **Smart Fan Controller:** Use the physical buttons on the included controller to cycle through various LED modes, colors, and adjust lighting speeds. This is ideal for systems without a compatible 5V addressable RGB header.
- **Motherboard RGB Software:** If connected to a compatible 5V ARGB header (e.g., ASUS Aura Sync, Gigabyte

RGB FUSION, MSI Mystic Light Sync, ASRock Polychrome), you can control and synchronize the lighting effects directly through your motherboard's software.

6. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your liquid cooling system.

- **Dust Cleaning:** Periodically clean dust from the radiator fins and fan blades using compressed air or a soft brush. Excessive dust can impede airflow and reduce cooling efficiency.
- **Cable Management:** Ensure all cables remain securely connected and are not obstructing airflow within the case.
- **Visual Inspection:** Occasionally inspect the tubing and connections for any signs of wear or leakage. While rare for AIOs, early detection is crucial.

7. TROUBLESHOOTING

If you encounter issues with your Thermaltake TH360 ARGB cooler, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
High CPU Temperatures	Improper water block installation Insufficient thermal paste contact Fans not spinning or spinning too slowly Radiator clogged with dust	Re-seat water block, ensure even pressure. Verify thermal paste application (pre-applied). Check fan connections to controller/motherboard. Clean radiator fins and fan blades.
ARGB Lighting Not Working	Incorrect ARGB cable connection Controller not powered or faulty Motherboard software conflict	Ensure ARGB cables are correctly connected to the controller or motherboard 5V header. Verify controller power connection. If using motherboard software, ensure it's updated and configured correctly. Try using the physical controller buttons.
Pump Not Functioning (No flow, unusual noise)	Pump power cable disconnected Pump failure	Check pump power connection to CPU_FAN or AIO_PUMP header. Contact Thermaltake support if pump appears faulty.

8. SPECIFICATIONS

Component	Detail
Model Number	CL-W302-PL12SW-B
Radiator Dimensions	395 x 120 x 27mm (15.55"L x 1.06"W x 4.72"H)
Fan Dimensions	120 x 120 x 25 mm (x3)

Component	Detail
Fan Speed	1500 RPM (Max)
Noise Level	28.2 dB-A (Max)
Max. Air Flow	59.28 CFM
Max. Pressure	1.31 mm-H2O
Pump Speed	3300 RPM
Pump Rated Voltage	12 V / 5 V
Water Block Material	Copper
Tube Length	400mm
Tube Material	Rubber
Compatibility (Intel)	LGA 1700, 1200, 1156, 1155, 1151, 1150
Compatibility (AMD)	AM5, AM4, AM3+, AM3, AM2+, AM2, FM2, FM1

9. WARRANTY & SUPPORT

Thermaltake products are manufactured to high quality standards. For detailed warranty information, please refer to the warranty card included with your product or visit the official Thermaltake website. For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Thermaltake customer service through their official website.

Official Thermaltake Website: www.thermaltake.com

10. PRODUCT VIDEOS

Below are official product videos that may assist with understanding the features and installation of your Thermaltake TH360 ARGB cooler.

No official seller videos are available for embedding in this manual based on the provided data.

