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› Thermaltake TH240 ARGB Sync V2 CPU Liquid Cooler Instruction Manual

Thermaltake CLW361PL12SWA

Thermaltake TH240 ARGB Sync V2 CPU Liquid Cooler Instruction Manual

Model: CLW361PL12SWA

1. PRODUCT OVERVIEW

The Thermaltake TH240 V2 ARGB Sync All-in-One (AIO) Liquid Cooler is designed to provide efficient cooling for your CPU while offering customizable ARGB lighting effects. This model features a new industrial cap with an infinity mirror light design, enhancing the aesthetic appeal of your PC build. It is equipped with two high-performance CT120 ARGB fans and a slim 27mm radiator with a thickened 20mm copper chamber for optimal heat dissipation. The cooler is compatible with a wide range of Intel and AMD CPU sockets, making it a versatile solution for various system configurations.



Figure 1: Thermaltake TH240 ARGB Sync V2 CPU Liquid Cooler. This image displays the complete liquid cooler unit, including the radiator with two fans, the water block, and the connecting tubes.

2. PACKAGE CONTENTS

Before beginning installation, please verify that all components listed below are present in your package:

- TH240 V2 ARGB All-in-One Liquid Cooler Unit (Radiator, Water Block, Tubes)
- Two (2) CT120 ARGB Fans (120 x 120 x 25 mm)
- Mounting Brackets for Intel and AMD CPUs
- Thermal Paste (pre-applied or included in a tube)
- Installation Manual and Instruction Sheet
- Necessary Screws and Accessories for Installation



TH240 V2 ARGB SYNC ALL-IN-ONE LIQUID COOLER

TH240 V2 ARGB has a new industrial cap with an infinity mirror light design, bringing a new vibe to the TH series. Equipped with two CT120 ARGB fans, the TH240 V2 ARGB is suitable for small to medium chassis that fit 240mm AIOs, and for those who seek to control lighting effects through 5V motherboard-controlled software.

Figure 2: Key components of the TH240 V2 ARGB Sync All-in-One Liquid Cooler. This image highlights the main cooler unit with its fans and water block, emphasizing its ARGB capabilities.

3. SETUP AND INSTALLATION

This section provides general guidance for installing your liquid cooler. For detailed, step-by-step instructions, please refer to the included installation manual specific to your CPU socket type.

1. **Prepare Your System:** Power off your computer and disconnect all cables. Open your PC case to access the motherboard and CPU area.
2. **CPU Socket Compatibility:** Identify your CPU socket type (e.g., Intel LGA 1700, AMD AM5) and select the appropriate mounting brackets from the package.
3. **Radiator Placement:** Determine the optimal location for the 240mm radiator within your PC case. Common locations include the top or front of the case, ensuring adequate airflow.
4. **Fan Installation:** Attach the two CT120 ARGB fans to the radiator using the provided screws. Ensure the fan orientation is correct for desired airflow (intake or exhaust).

5. Water Block Installation:

- Apply thermal paste to the CPU's integrated heat spreader (IHS) if not pre-applied on the water block.
- Carefully place the water block onto the CPU, aligning it with the mounting holes.
- Secure the water block using the appropriate screws and backplate (if required by your socket type). Ensure even pressure for optimal contact.

6. **Cable Management:** Connect the fan and pump cables to the appropriate headers on your motherboard. The CT120 ARGB fans can be daisy-chained for simplified wiring. Connect the 5V ARGB header to your motherboard's compatible ARGB header for lighting control.

7. **Final Checks:** Double-check all connections and ensure no cables are obstructing fan blades or airflow. Close your PC case.



ANY CPU CAN BE THE RIGHT CPU

The package includes brackets for the latest Intel and AMD CPU sockets to be compatible with the most modern CPU platforms, including the latest Intel LGA1700 and AMD AM5 CPUs.

Compatibility list:

Intel: LGA 1700, 1200, 115X, 2066, 2011

AMD: AM5, AM4, AM3, AM2

Figure 3: CPU Socket Compatibility. This image illustrates the various CPU sockets supported by the cooler, including Intel LGA 1700 and AMD AM5.

4. OPERATING INSTRUCTIONS

Once installed, the Thermaltake TH240 V2 ARGB Liquid Cooler operates automatically, regulating pump and fan speeds based on CPU temperature. The ARGB lighting can be controlled via compatible motherboard software.

4.1. ARGB Lighting Control

The ARGB lighting of the water block and fans can be synchronized with your motherboard's RGB software. This cooler is designed to work with:

- ASUS Aura Sync
- GIGABYTE RGB Fusion
- MSI Mystic Light Sync
- ASRock Polychrome

Install the respective software for your motherboard to customize lighting effects, colors, and patterns. The infinity mirror design on the water block provides a unique visual depth that can be enhanced through these controls.

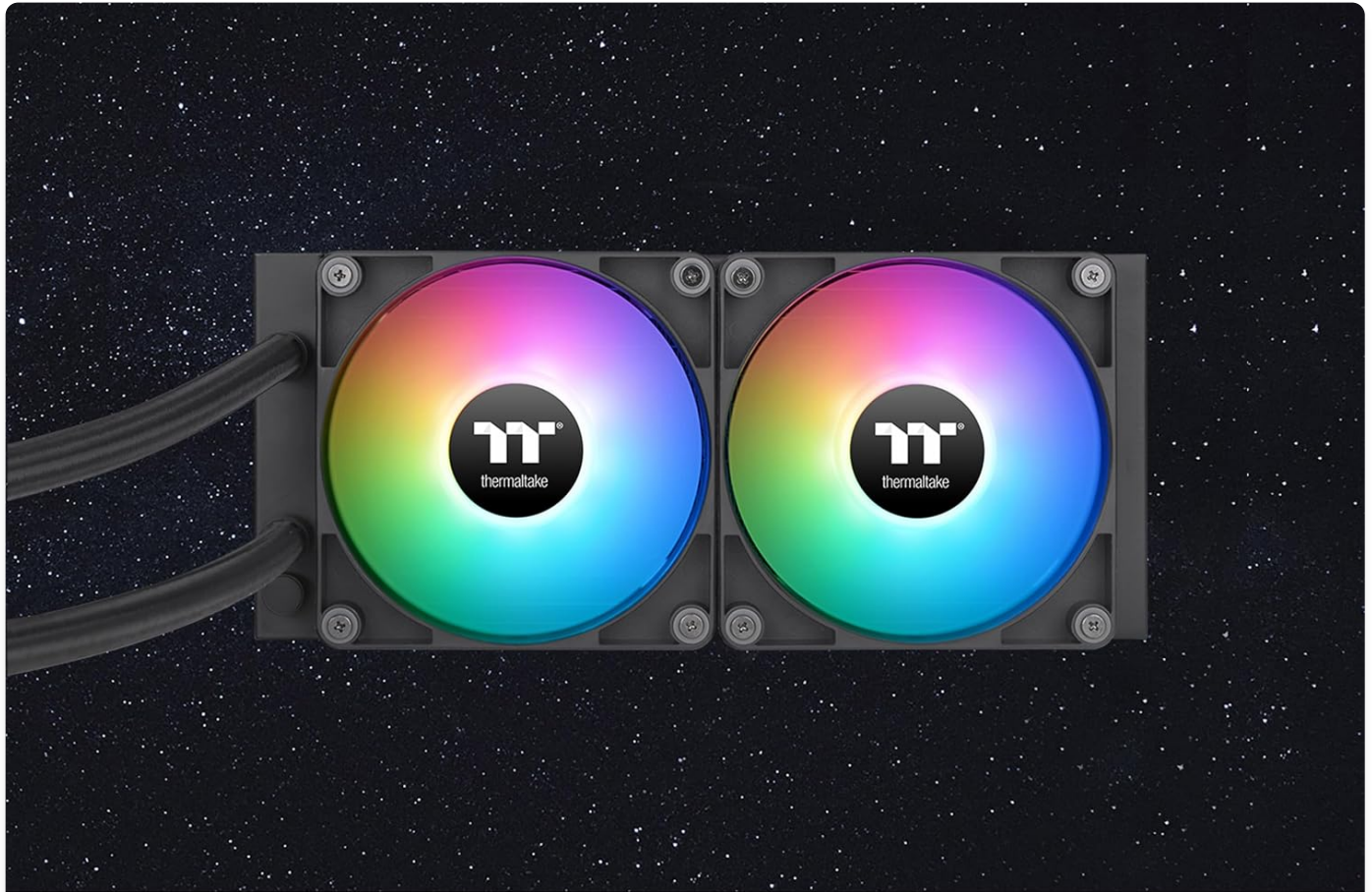


Figure 4: Infinity Mirror Water Block. This image showcases the water block's infinity mirror effect, which adds a dynamic visual element to

the cooler.

4.2. Fan and Pump Speed Control

The pump and fan speeds are controlled via PWM (Pulse Width Modulation) through your motherboard's fan headers. You can typically adjust fan curves and pump speeds within your motherboard's BIOS/UEFI settings or through dedicated software provided by your motherboard manufacturer. This allows for a balance between cooling performance and noise levels.



The image shows two Thermaltake CT120 ARGB fans mounted on a radiator. The fans are illuminated with a vibrant rainbow light effect, transitioning from purple at the top to blue, green, and yellow at the bottom. The Thermaltake logo is visible in the center of each fan's hub. The fans are set against a dark, starry background.

SYNC WITH CT120 ARGB FANS

Utilizing the CT120 ARGB Fans on this model, not only you can match up to some of our chassis' pre-installed fans, but you can unify your fans with your build!

The CT120 ARGB provides an 57.05 CFM air flow with 2.23 mm-H2O static pressure while maintaining 25.8 dB-A noise level.

Figure 5: CT120 ARGB Fans. This image displays the two CT120 ARGB fans mounted on the radiator, highlighting their vibrant lighting capabilities.

5. MAINTENANCE

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

- **Dust Removal:** Periodically clean dust from the radiator fins and fan blades using compressed air or a soft brush. Accumulation of dust can impede airflow and reduce cooling efficiency.

- **Tube and Connection Inspection:** Visually inspect the tubes and connections for any signs of leaks or damage. While the system is designed to be maintenance-free with no refill required, regular checks are recommended.
- **Fan Operation Check:** Ensure that both fans are spinning freely and quietly. If a fan is making unusual noises or not spinning, check its connections.

6. TROUBLESHOOTING

If you encounter issues with your Thermaltake TH240 V2 ARGB Liquid Cooler, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
High CPU Temperatures	Insufficient thermal paste application	Reapply thermal paste and remount water block.
	Improper water block mounting	Ensure water block is securely mounted with even pressure.
	Dust accumulation on radiator/fans	Clean radiator fins and fan blades.
	Fans not spinning or spinning too slowly	Check fan connections and BIOS settings for fan speed.
	Pump not functioning	Verify pump connection to motherboard and check for pump noise/vibration.
ARGB Lighting Not Working	Incorrect ARGB cable connection	Ensure 5V ARGB header is correctly connected to the motherboard.
	Motherboard ARGB header issue	Try a different ARGB header if available.
	Software conflict or incorrect settings	Reinstall or update motherboard RGB software. Check software settings.
Unusual Noises from Cooler	Air bubbles in the loop (new installation)	Orient the radiator higher than the pump to allow air bubbles to settle. Gently tilt the case.
	Fan bearing noise	Inspect fans for obstructions or damage. Replace if necessary.
	Pump noise	If pump noise is excessive and persistent, contact support.

If the issue persists after following these steps, please contact Thermaltake customer support.

7. TECHNICAL SPECIFICATIONS

Component	Specification
Model Number	CL-W361-PL12SW-A
Compatibility	Intel: LGA 1700/1200/1156/1155/1151/1150 AMD: AM5/AM4/AM3+/AM3/AM2+/AM2
Radiator Dimensions	276 x 120 x 27 mm (L x W x H)
Radiator Material	Aluminum
Water Block Material	Copper
Tube Length	460 mm

Component	Specification
Tube Material	Rubber
Fan Dimensions	120 x 120 x 25 mm
Fan Speed (PWM)	500~2000 R.P.M
Fan Noise Level	25.8 dB-A
Fan Max. Air Flow	57.05 CFM
Fan Max. Static Pressure	2.23 mm-H2O
Pump Speed (PWM)	1500~3300 R.P.M
Rated Voltage (Pump & Fan)	12 V & 5V
Power Input (Pump & Fan)	Pump: 5.16 W & 1.6 W; Fan: 1.32 W & 1.55 W (one fan)
Connector (Pump & Fan)	2510–4 Pin (PWM), 5V ARGB header–3 Pin
Bearing Type (Fan)	Hydraulic Bearing
Life Expectation (Fan)	40,000 hrs, 25°C

8. WARRANTY AND SUPPORT

The Thermaltake TH240 V2 ARGB Sync CPU Liquid Cooler comes with a **2-Year Warranty**. For technical support, warranty claims, or further assistance, please visit the official Thermaltake website or contact their customer service department.

Official Thermaltake Website: www.thermaltake.com

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