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› Thermaltake TH360 V2 Ultra ARGB Sync Liquid Cooler and 120mm ARGB Fans (3-Fan Pack) - Instruction Manual

Thermaltake TH360 V2 Ultra ARGB

Thermaltake TH360 V2 Ultra ARGB Sync Liquid Cooler and CT120 ARGB Fans Instruction Manual

Model: TH360 V2 Ultra ARGB

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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Thermaltake TH360 V2 Ultra ARGB Sync Liquid Cooler and CT120 ARGB Fans. This all-in-one liquid cooling solution is designed to provide efficient thermal management for your CPU while offering customizable visual effects through its integrated LCD display and ARGB fans.

Please read this manual thoroughly before beginning installation to ensure proper setup and optimal performance.

2. PACKAGE CONTENTS

Verify that all components listed below are present in your package. If any items are missing or damaged, please contact Thermaltake customer support.

- TH360 V2 Ultra ARGB Liquid Cooler (Radiator, Pump with LCD Display, Tubing)
- CT120 ARGB Sync 120mm Fans (3 units)
- Mounting Hardware for Intel Sockets (LGA 2066/2011-3/2011/1700/1200/1156/1155/1151/1150)
- Mounting Hardware for AMD Sockets (AM5/AM4/AM3+/AM3/AM2+/AM2/FM2/FM1)
- Thermal Paste
- Fan Screws
- Controller/Cables for ARGB and LCD



Figure 2.1: Complete Thermaltake TH360 V2 Ultra ARGB Liquid Cooler and Fan Kit. This image displays the radiator with three attached fans, the pump block with its integrated LCD screen, and the connecting tubes.



Figure 2.2: Detailed view of the TH360 V2 Ultra ARGB liquid cooler, highlighting the pump block with its LCD display showing "26C Liquid" and the three 120mm ARGB fans attached to the radiator.

3. SETUP AND INSTALLATION

Before starting, ensure your system is powered off and unplugged. Refer to your motherboard and PC case manuals for specific compatibility and clearance information.

3.1. Prepare the Radiator and Fans

1. Attach the three CT120 ARGB fans to the radiator using the provided fan screws. Ensure the fan airflow direction is appropriate for your case's cooling strategy (typically exhausting air out of the case).
2. Connect the daisy-chain cables of the CT120 ARGB fans. This design minimizes cable clutter and simplifies connection to the motherboard or ARGB controller.



Figure 3.1: Two individual CT120 ARGB fans, showcasing their design and addressable RGB lighting capabilities. These fans are designed for optimal airflow and static pressure.



FINE TUNED 7-BLADE DESIGN

We've finely tuned our CT series fan blades to exceed expectations. Keep it simple and game on without sacrificing performance.

Figure 3.2: CT120 ARGB fans installed within a PC case, demonstrating their vibrant RGB lighting and the 7-blade design optimized for airflow. The image shows the fans mounted to a radiator, cooling a CPU.

3.2. Install the Radiator Assembly

Mount the radiator assembly (radiator with fans attached) into your PC case. Common mounting locations include the top, front, or rear of the case, depending on size and clearance. Secure the radiator using the appropriate screws provided with your PC case or cooler.

3.3. Prepare the CPU and Pump Block

1. Clean the CPU surface thoroughly with isopropyl alcohol to remove any old thermal paste or residue.
2. Apply a small amount of thermal paste (pea-sized dot) to the center of the CPU's integrated heat spreader (IHS).
3. Install the correct mounting brackets for your CPU socket type (Intel or AMD) onto the pump block.

3.4. Mount the Pump Block

Carefully align the pump block with the CPU and the motherboard's mounting holes. Gently lower the pump block onto the

CPU, ensuring even pressure. Secure the pump block using the provided thumb screws or retention mechanism, tightening them in a diagonal pattern until snug. Do not overtighten.

3.5. Cable Connections

- Connect the pump's power cable to the CPU_FAN or AIO_PUMP header on your motherboard.
- Connect the fan power cables (from the daisy-chain) to available fan headers on your motherboard or a fan controller.
- Connect the ARGB cables from the fans and pump to the 5V addressable RGB header on your motherboard (e.g., ASUS Aura Sync, GIGABYTE RGB Fusion, MSI Mystic Light Sync, ASRock Polychrome) or a dedicated ARGB controller.
- Connect the LCD display's USB cable to an available internal USB 2.0 header on your motherboard.

4. OPERATING INSTRUCTIONS

Once installed, the Thermaltake TH360 V2 Ultra ARGB Liquid Cooler operates automatically to maintain optimal CPU temperatures. The CT120 ARGB fans are PWM controlled, allowing for dynamic speed adjustments based on thermal load.

4.1. Software Control (TT RGB Plus)

To fully utilize the features of the TH360 V2 Ultra ARGB's LCD display and the ARGB lighting of the fans, download and install the Thermaltake TT RGB Plus software from the official Thermaltake website. This software allows you to:

- Customize the content displayed on the 2.1" LCD screen (e.g., system information, images, GIFs, videos).
- Control ARGB lighting effects, colors, and synchronization for the pump and fans.
- Monitor system temperatures and fan speeds.



TH360 V2 ULTRA **ARGB** SYNC ALL-IN-ONE LIQUID COOLER - SNOW EDITION

TH360 V2 Ultra ARGB Snow has a new industrial cap with a 480 x 480 resolution LCD Display, bringing Ultra to the TH series. Equipped with three CT120 ARGB White fans, the TH360 V2 Ultra ARGB Snow is suitable for medium to large chassis' that fits 360mm AIOs and for those who want to try the latest Ultra series.

Figure 4.1: Promotional image highlighting the TH360 V2 Ultra ARGB Sync All-in-One Liquid Cooler in its Snow Edition, emphasizing its new industrial cap with a 480x480 resolution LCD display. This display can show 16.8 million color videos or photos.



CT120 ARGB SYNC PC COOLING FAN WHITE

Thermaltake's next generation in PWM fans, the CT ARGB Series is designed to fit every PC usage scenario along with a spectacular light show. Fine-tuned fan blades, a reworked daisy-chain system, and a modern design allow you to spend less time building, and more time gaming.

Figure 4.2: Close-up of a single CT120 ARGB Sync PC Cooling Fan in white, showcasing its vibrant RGB lighting. The fan features a fine-tuned blade design and a daisy-chain system for simplified cable management.

4.2. Motherboard RGB Software Sync

If you prefer to control the ARGB lighting through your motherboard's software, ensure the ARGB cables are connected to the appropriate 5V addressable RGB header. Compatible software includes:

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

5. MAINTENANCE

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

- **Dust Cleaning:** Periodically clean dust from the radiator fins and fan blades using compressed air or a soft brush. Dust accumulation can impede airflow and reduce cooling efficiency.
- **Tubing Inspection:** Occasionally inspect the tubing for any signs of kinks, leaks, or damage. While rare, addressing these issues promptly can prevent system damage.
- **Pump Noise:** Listen for any unusual noises from the pump. A properly functioning pump should operate quietly. Excessive noise might indicate an issue.
- **Thermal Paste:** Re-applying thermal paste is generally not required unless the cooler is removed from the CPU. If you remount the cooler, always clean the old thermal paste and apply new paste.

6. TROUBLESHOOTING

If you encounter issues with your Thermaltake TH360 V2 Ultra ARGB Liquid Cooler, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
High CPU Temperatures	◦ Insufficient thermal paste or improper application. ◦ Pump not functioning. ◦ Fans not spinning or spinning too slowly. ◦ Radiator clogged with dust.	◦ Reapply thermal paste, ensuring even coverage. ◦ Check pump power connection (CPU_FAN/AIO_PUMP header). ◦ Verify fan connections and settings in BIOS/software. ◦ Clean radiator fins with compressed air.
Fans Not Spinning / ARGB Not Lighting Up	◦ Incorrect fan/ARGB cable connection. ◦ Motherboard ARGB header not enabled or configured. ◦ Software conflict.	◦ Ensure all fan and ARGB cables are securely connected to the correct headers. ◦ Check BIOS settings for fan control and ARGB header activation. ◦ Ensure only one ARGB control software (TT RGB Plus or motherboard software) is active.
LCD Display Not Working	◦ USB 2.0 header not connected or faulty. ◦ TT RGB Plus software not installed or running.	◦ Verify the internal USB 2.0 cable is securely connected to both the pump and motherboard. ◦ Install and launch the TT RGB Plus software.
Unusual Pump Noise	◦ Air bubbles in the loop. ◦ Pump malfunction.	◦ Orient the radiator higher than the pump if possible. Gently tilt the PC case to help dislodge air bubbles. ◦ If noise persists, contact Thermaltake support.

7. SPECIFICATIONS

Key technical specifications for the Thermaltake TH360 V2 Ultra ARGB Sync Liquid Cooler and CT120 ARGB Fans:

Feature	Detail
Model Name	TH360 V2 Ultra ARGB Sync Liquid Cooler
Fan Model	CT120 ARGB Sync 120mm Fan
Cooling Type	All-in-One Liquid Cooling
Radiator Size	360mm (for TH360 V2 Ultra)
Compatible Sockets (Intel)	LGA 2066/2011-3/2011/1700/1200/1156/1155/1151/1150
Compatible Sockets (AMD)	AM5/AM4/AM3+/AM3/AM2+/AM2/FM2/FM1
Pump Material	Copper (cold plate)
Fan Speed	Up to 2000 RPM (PWM controlled)
Fan Airflow	Up to 57.05 CFM
Fan Blades	7-blade design
ARGB LEDs (per fan)	9 addressable LEDs
LCD Display	2.1" (480x480 resolution, 16.8M colors)
Power Connector	4-Pin (for pump/fans)
Voltage	12 Volts (DC)
Color	White



NO MATTER THE BUILD, WE'VE GOT YOU COVERED

The TH V2 Ultra ARGB Snow Series covers various types of builds; the series has two 120mm fan models, including the TH 240/ 360 V2 Ultra ARGB Snow, and two 140mm fan models, including TH 280/ 420 V2 Ultra ARGB Snow.

Figure 7.1: Visual comparison of different radiator sizes in the Thermaltake TH V2 Ultra ARGB series, including TH240 V2, TH280 V2, TH360 V2, and TH420 V2. This product includes the TH360 V2.

8. WARRANTY AND SUPPORT

Thermaltake products are manufactured to the highest quality standards. For warranty information, technical support, or to register your product, please visit the official Thermaltake website or contact their customer service department.

Official Website: www.thermaltake.com

Customer Support: Refer to the support section on the Thermaltake website for contact details specific to your region.

Product Registration: Registering your product helps facilitate warranty claims and provides access to product updates and support resources.

