

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Thermalright](#) /
- › [Thermalright Grand Vision 360 ARGB CPU Water Cooler User Manual](#)

## Thermalright GV360 ARGB D6

# Thermalright Grand Vision 360 ARGB CPU Water Cooler User Manual

Model: GV360 ARGB D6

## 1. INTRODUCTION

---

This manual provides detailed instructions for the installation, operation, and maintenance of your Thermalright Grand Vision 360 ARGB CPU Water Cooler. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product. Keep this manual for future reference.

## 2. PRODUCT OVERVIEW

---

The Thermalright Grand Vision 360 ARGB is an all-in-one (AIO) liquid CPU cooler designed for high-performance cooling. It features a 360mm radiator, three 120mm PWM ARGB fans, and a water block with an integrated 3.4-inch IPS LCD screen for real-time system monitoring and customizable displays.

### Key Features:

- **High Cooling Performance:** 360mm aluminum fin radiator with polymer protective water pipes.
- **3.4-inch IPS LCD Screen:** 480x480 resolution, detachable magnetic design, supports static/dynamic images and system projection.
- **STABLY-FDB V2 Bearing Fans:** Ensures stable operation, high performance, and long industrial service life.
- **ARGB Lighting:** Customizable lighting on fans and water block.
- **Wide Compatibility:** Supports AMD AM4/AM5 and Intel LGA1150/1151/1155/1156/1200/2011/2066/1700/1851 sockets.



**THERMALRIGHT**<sup>®</sup>  
Low Temperature high Performance

# GRAND VISION 360 ARGB WHITE

ALL-in-one CPU Liquid Cooler



Image: The Thermalright Grand Vision 360 ARGB CPU Water Cooler showcasing its integrated LCD screen and ARGB fans.

## 3. PACKAGE CONTENTS

---

Verify that all components are present in the package before proceeding with installation. If any parts are missing or damaged, please contact customer support.

- AIO Water Cooler (Radiator with integrated pump and water block)
- 3x 120mm ARGB PWM Fans
- Mounting Hardware for Intel Sockets (LGA115x/1200/1700/1851/2011/2066)
- Mounting Hardware for AMD Sockets (AM4/AM5)
- Thermal Paste
- Fan Splitter Cable
- ARGB Controller/Cables
- User Manual (This document)

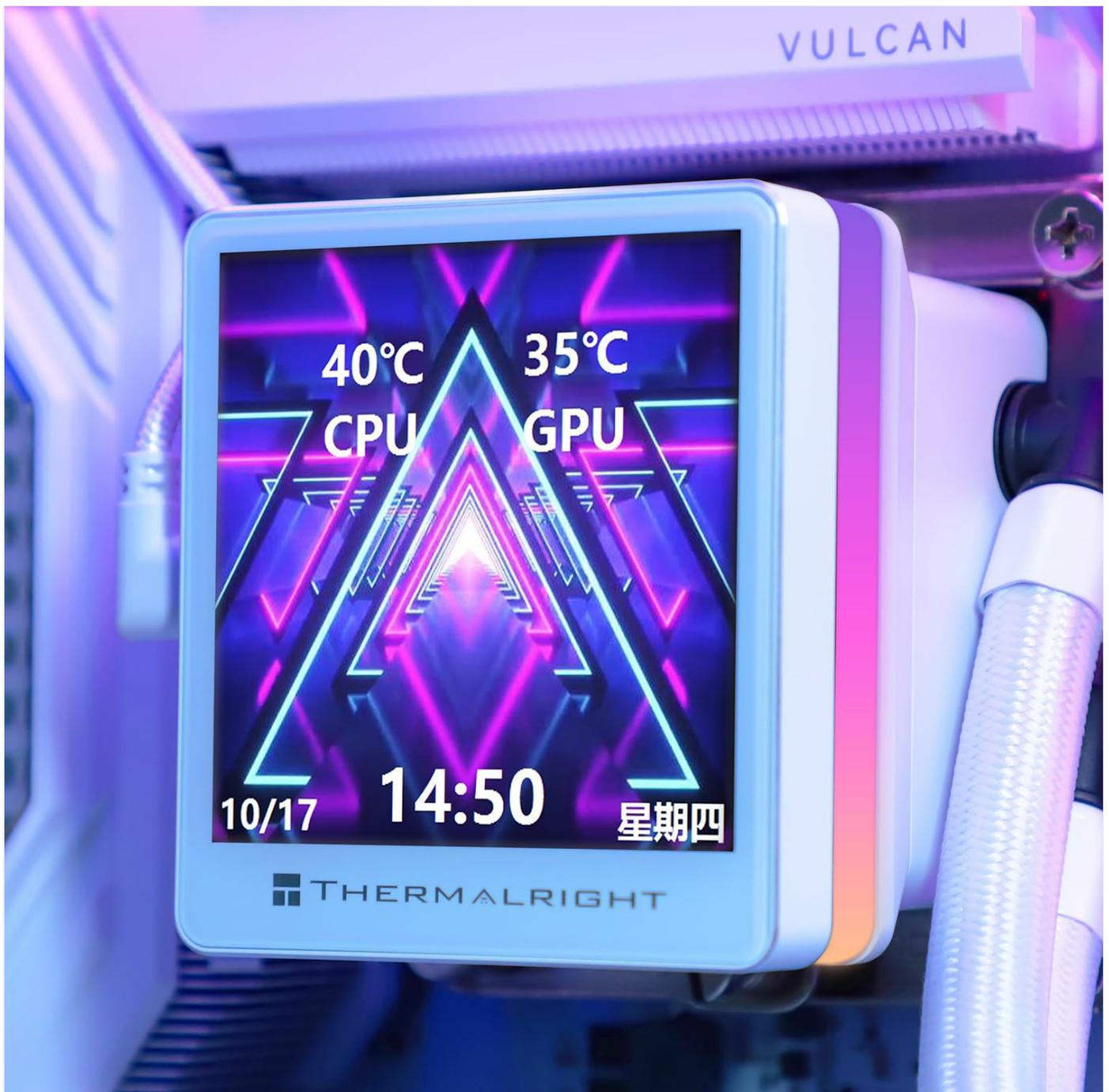


Image: An illustration of the various components included in the product package.

## 4. SETUP AND INSTALLATION

---

Before beginning installation, ensure your system is powered off and unplugged. Refer to your motherboard manual for specific fan and pump header locations.

### 4.1. Prepare the Radiator and Fans

1. Attach the three 120mm ARGB PWM fans to the radiator using the provided screws. Ensure the fan airflow direction is appropriate for your case configuration (typically exhausting air out of the case).
2. Connect the fan power cables to the included fan splitter cable, then connect the splitter to a CPU\_FAN or AIO\_PUMP header on your motherboard.
3. Connect the ARGB cables from the fans to the ARGB controller or directly to a 5V ARGB header on your motherboard, if available.



## GRAND VISION 360 ARGB WHITE SPECIFICATION

COOLER	SPECIFICATION	TL-H12W-X28-S	SPECIFICATION
Water Block Dimensions	70.5mm * 77.5mm * 72.5mm	Fan Dimensions	120mm * 120mm * 28mm
Radiator Dimensions	403mm * 120mm * 27mm	Fan Rated Speed	2150RPM±10%
Pump Connector	4PIN PWM	Fan Rated Noise	≤29.4dBA
		Fan Air Flow	80.45CFM(MAX)
		Fan Static Pressure	2.65mm/H <sup>2</sup> O(MAX)
		Fan Connector	4PIN PWM
		Fan Rated Voltage	DC 12V
		Fan Rated Current	0.25A(MAX)
		Fan Bearing Type	S-FDB Bearing V2

Image: The radiator with three fans attached, ready for installation into the PC case.

## 4.2. Install the Water Block

The installation process varies slightly between Intel and AMD platforms. Refer to the specific instructions below.

### 4.2.1. Intel Socket Installation (LGA115x/1200/1700/1851/2011/2066)

1. Install the appropriate backplate (if required for your socket, e.g., LGA1700/1851) behind the motherboard.
2. Secure the standoffs onto the motherboard through the CPU mounting holes.
3. Apply a small amount of thermal paste to the center of your CPU's integrated heat spreader (IHS).
4. Place the water block onto the CPU, aligning the mounting holes with the standoffs.
5. Secure the water block with the provided thumb screws, tightening them in a diagonal pattern until snug. Do not overtighten.

### 4.2.2. AMD Socket Installation (AM4/AM5)

*Note: When installing on an AMD platform, you must use the original backplate of the motherboard.*

1. Remove the plastic retention clips from the motherboard's CPU socket, but keep the original backplate.
2. Install the AMD standoffs onto the original backplate's mounting holes.
3. Apply a small amount of thermal paste to the center of your CPU's integrated heat spreader (IHS).
4. Place the water block onto the CPU, aligning the mounting holes with the standoffs.
5. Secure the water block with the provided thumb screws, tightening them in a diagonal pattern until snug. Do not overtighten.

# EASY SS2 INSTALL SYSTEM



Thermalright SS2 install system gives easy install experience and even contact pressure, with fast switch between Thermalright air coolers to AIO water coolers .

Image: The water block mounted on a CPU, demonstrating the secure fit and ARGB illumination.

## 4.3. Connect Cables

1. Connect the pump's 4-pin PWM cable to the AIO\_PUMP or CPU\_OPT header on your motherboard. Ensure this header is configured for full power in your BIOS for optimal pump performance.
2. Connect the LCD screen's USB cable to an available internal USB 2.0 header on your motherboard.
3. Connect the ARGB cable from the water block to your ARGB controller or motherboard's 5V ARGB header.

## 5. OPERATING INSTRUCTIONS

---

### 5.1. Initial Power On

After completing the installation, double-check all connections. Power on your system. The fans and pump should start, and the ARGB lighting should illuminate. The LCD screen on the water block will power on and display default information.

### 5.2. Software Installation for LCD and ARGB Control

To fully utilize the features of the Grand Vision 360 ARGB cooler, including customizing the LCD display and ARGB lighting, you need to install the dedicated Thermalright software. Please visit the official Thermalright website to download the latest version of the control software.

- **LCD Customization:** The software allows you to display various system parameters (CPU/GPU temperature, clock speed, usage), custom images (static/GIF), or even videos on the 3.4-inch IPS screen.
- **ARGB Control:** Synchronize ARGB lighting effects across the fans and water block, or customize individual lighting zones.
- **Fan/Pump Speed Control:** Adjust fan and pump curves for optimal balance between cooling performance and noise levels.



## UPGRADED COOLING PERFORMANCE

New overall pump and coldplate design offer quiet pump operation and capability to transfer heavy heat load quickly from CPU to radiator

Image: Screenshot of the Thermalright software interface, showing options for live system monitoring and custom themes on the LCD.

## Support motherboards:

### Intel:

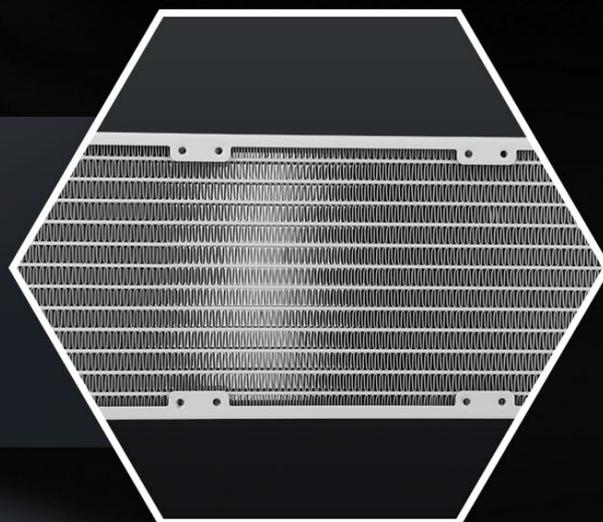
LGA115X/1200/2066/  
2011 SQUAER/1700/1851

### AMD:

AM4/AM5



Special design water channels inside radiator allows lower water resistance and higher flow rate, resulting better cooling performance.



Water tubes are protected by polymer sleeves for low liquid evaporation, further extends the life span of whole all-in-one liquid cooler.

Image: A close-up view of the 3.4-inch IPS LCD screen displaying real-time CPU and GPU temperature data.

## 6. MAINTENANCE

---

Regular maintenance ensures optimal performance and extends the lifespan of your CPU cooler.

- **Dust Cleaning:** Periodically clean dust from the radiator fins and fan blades using compressed air. Ensure fans are not spinning during cleaning to prevent damage.
- **Check Tubing:** Inspect the water tubes for any signs of kinks, leaks, or damage. While the polymer protective water pipes are designed for low evaporation, regular checks are recommended.
- **Thermal Paste:** Re-applying thermal paste is generally not required unless the cooler is removed from the CPU. If you do remove it, clean off old thermal paste from both the CPU and water block cold plate before applying new paste.

## 7. TROUBLESHOOTING

---

If you encounter issues with your Thermalright Grand Vision 360 ARGB cooler, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
<b>No Power/Fans Not Spinning/No ARGB Lighting</b>	Loose or incorrect cable connections.	Check all power and ARGB connections to the motherboard and power supply. Ensure the pump is connected to a dedicated AIO_PUMP or CPU_FAN header.
<b>High CPU Temperatures</b>	Improper water block mounting, insufficient thermal paste, or pump/fan malfunction.	Verify water block is securely mounted and thermal paste is properly applied. Check pump and fan operation. Ensure radiator is free of dust. Confirm pump header is set to full speed in BIOS.
<b>LCD Screen Not Displaying</b>	Loose USB connection, software not installed, or software conflict.	Ensure the internal USB 2.0 cable is securely connected. Install the Thermalright control software. Try reinstalling the software or checking for updates.
<b>Excessive Noise</b>	Fans running at high RPM, air bubbles in the loop, or fan bearing issue.	Adjust fan curves in the Thermalright software or BIOS. Orient the radiator correctly to allow air bubbles to settle in the radiator. If a fan is faulty, contact support.

## 8. SPECIFICATIONS

---

Detailed technical specifications for the Thermalright Grand Vision 360 ARGB CPU Water Cooler.

Component	Specification
<b>Model</b>	GV360 ARGB D6
<b>Water Block Dimensions</b>	70.5mm * 77.5mm * 72.5mm
<b>Radiator Dimensions</b>	403mm * 120mm * 27mm
<b>Pump Connector</b>	4-Pin PWM
<b>Fan Model</b>	TL-H12W-X28-S
<b>Fan Dimensions</b>	120mm * 120mm * 28mm
<b>Fan Rated Speed</b>	2150 RPM $\pm$ 10%
<b>Fan Rated Noise</b>	$\leq$ 29.4 dBA
<b>Fan Air Flow</b>	80.45 CFM (MAX)
<b>Fan Static Pressure</b>	2.65 mmH <sub>2</sub> O (MAX)
<b>Fan Connector</b>	4-Pin PWM
<b>Fan Rated Voltage</b>	DC 12V
<b>Fan Rated Current</b>	0.25A (MAX)
<b>Fan Bearing Type</b>	S-FDB Bearing V2

Component	Specification
LCD Screen	3.4-inch IPS, 480x480 Resolution
Compatible Sockets	AMD: AM4/AM5; Intel: LGA1150/1151/1155/1156/1200/2011/2066/1700/1851



Waterblock integrated 3.4 inch LCD offers users live monitoring of system performance figures like clock frequencies, temperatures or more custom themes .

Image: A visual representation of the detailed specifications for the cooler, fans, and water block.

## 9. WARRANTY AND SUPPORT

Thermalright products are manufactured to the highest quality standards. For warranty information, technical support, or to report any issues, please visit the official Thermalright website or contact their customer service department.

*Please retain your proof of purchase for warranty claims.*

## 10. INSTALLATION VIDEO GUIDE

For a visual guide on the installation process, please refer to the official video below. This video demonstrates the steps for mounting the cooler and connecting its components.

Your browser does not support the video tag.

Video: Official installation guide for the Thermalright Grand Vision 360 ARGB CPU Water Cooler. This video provides a step-by-step visual walkthrough of the setup process.



