

Thermalright Trofeo Vision 360 ARGB White

Thermalright Trofeo Vision 360 ARGB White CPU AIO Cooler

User Instruction Manual

1. INTRODUCTION

Thank you for choosing the Thermalright Trofeo Vision 360 ARGB White CPU AIO Cooler. This all-in-one liquid cooling system is designed to provide efficient heat dissipation for your CPU while offering a customizable visual experience through its integrated IPS LCD screen. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your cooler.



Image: The Thermalright Trofeo Vision 360 ARGB White CPU AIO Cooler, showcasing its radiator, fans, and the IPS LCD screen.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating this product. Failure to do so 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 beginning installation.
- Handle components with care to avoid damage.
- Do not open the liquid cooler's sealed loop. There are no user-serviceable parts inside.
- Keep the product away from liquids and excessive humidity.
- Use only the provided accessories and mounting hardware.

3. WHAT'S IN THE BOX

Verify that all components are present before proceeding with installation:

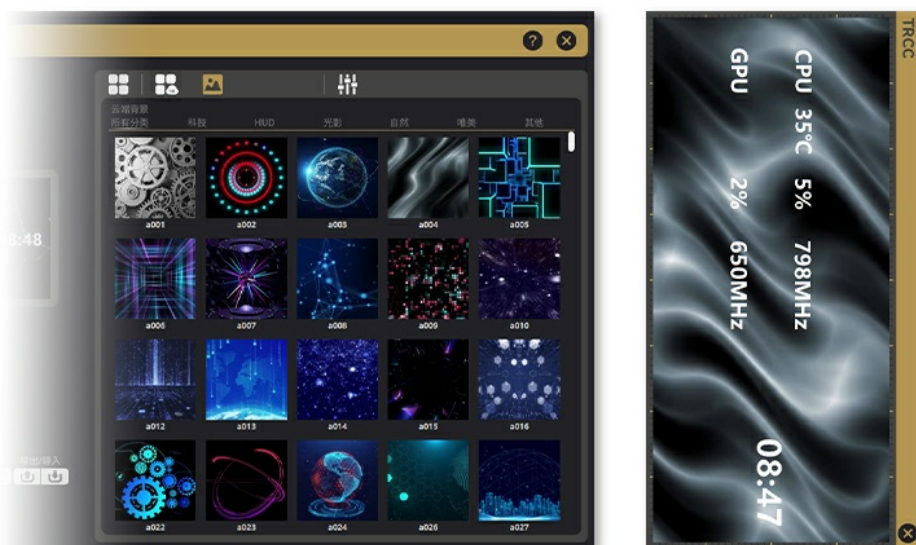
- Thermalright Trofeo Vision 360 ARGB White CPU AIO Cooler (Radiator, Pump/Water Block with LCD, and pre-installed fans)
- Intel Mounting Hardware (LGA 1150/1151/1155/1156/1200/1700/2011/2066)
- AMD Mounting Hardware (AM4/AM5)
- USB Cable (for LCD screen power and data)
- ARGB Cable (for lighting synchronization)
- Fan PWM Cable
- Thermal Paste (pre-applied or in a tube)
- User Manual (this document)

4. SETUP AND INSTALLATION

4.1. Pre-installation Checklist

- Ensure your PC case has adequate space for a 360mm radiator.
- Identify your CPU socket type (Intel LGA or AMD AM).
- For AMD platforms, the original motherboard backplate is required for installation.

TRCC FULL SUPPORT



PLEASE DOWNLOAD TRCC SOFTWARE AT:
[HTTPS://THERMALRIGHT.COM/SUPPORT/DOWNLOAD/](https://thermalright.com/support/download/)

Image: Diagram illustrating compatible motherboard sockets for Intel (LGA1851/1700/115X/1200/2066/2011 square) and AMD (AM4/AM5).

4.2. Installation Steps

1. **Prepare the Radiator and Fans:** The three TL-UB36W fans are pre-installed on the 360mm radiator. Ensure they are oriented correctly for desired airflow (intake or exhaust).



Image: Detailed view of the TL-UB36W fans, highlighting features like static pressure optimization, S-FDB V2 bearing, high performance, and 4PIN PWM control.

2. **Mount the Radiator:** Secure the radiator to the desired mounting location in your PC case (e.g., top, front) using the provided screws.
3. **Prepare the CPU Socket:**
 - **For Intel:** Install the appropriate backplate and standoffs for your Intel socket type.
 - **For AMD:** Ensure the original AMD motherboard backplate is in place. Install the AMD mounting clips onto the pump.
4. **Apply Thermal Paste:** If thermal paste is not pre-applied to the cold plate, apply a small pea-sized amount to the center of your CPU's integrated heat spreader (IHS).
5. **Install the Water Block/Pump:** Carefully place the water block onto the CPU, aligning the mounting holes with the standoffs/clips. Secure it evenly with the provided thumb screws or nuts until snug.
6. **Connect Cables:**
 - **Pump Power:** Connect the pump's 4-pin PWM connector to the CPU_FAN or AIO_PUMP header on your motherboard.
 - **Fan Power:** Connect the fan's PWM cable to a fan header on your motherboard, or use a fan splitter if necessary.
 - **ARGB Lighting:** Connect the 5V 3-pin ARGB connector to a compatible ARGB header on your motherboard.
 - **LCD Screen USB:** Connect the 9-pin USB interface cable from the cold head to an available USB 2.0 header on your motherboard. This powers the screen and enables TRCC software control.

LARGE IPS DISPLAY

Rich features with easy system info reading, time and date display, animation and video playing.



Image: The magnetic connect LCD display module, showing its capabilities for system monitoring, GIF picture playback, and video playback.

4.3. TRCC Software Installation

The TRCC software is essential for controlling the LCD screen's display, monitoring data, and customizing settings. Before installation, confirm the integrity of your wiring, especially the USB connection to the cold head.

1. **Download TRCC Software:** Visit the official Thermalright website to download the latest version of the TRCC software. <https://thermalright.com/support/download/>
2. **Install Software:** Follow the on-screen instructions to install the TRCC software on your computer.
3. **Launch and Configure:** Launch the TRCC software. It should automatically detect your cooler. You can then configure the display settings, monitor temperatures, and upload custom content.



TROFEO VISION 360 ARGB WHITE

| COOLER | SPECIFICATION | TL-UB36W | SPECIFICATION |
|------------------------|--------------------------|---------------------|------------------------------|
| Water Block Dimensions | 187.2mm * 95.8mm * 102mm | Fan Dimensions | 360mm * 120mm * 25mm |
| Radiator Dimensions | 403mm * 120mm * 27mm | Fan Rated Speed | 2150RPM±10%(MAX) |
| Pump Connector | 4PIN PWM | Fan Rated Noise | ≤27DBA |
| Rated Speed | 6400RPM±10%(MAX) | Fan Air Flow | 69.3CFM(MAX) |
| Resolution | 1280 * 480 | Fan Static Pressure | 2.87mm/H ₂ O(MAX) |
| | | Fan Connector | 4PIN PWM |
| | | Fan Bearing Type | S-FDB Bearing V2 |
| | | RGB Support | +5V 3PIN ARGB |

Image: Screenshot of the TRCC software interface, demonstrating options for data monitoring and content customization.

5. OPERATING THE LCD SCREEN

The 6.86-inch IPS LCD screen on the water block provides real-time system information and allows for personalized visual content.



LARGE IPS DISPLAY

Image: The large IPS display integrated into a PC build, showcasing its visual capabilities.

5.1. Display Modes

Through the TRCC software, you can select various display modes for the LCD screen:

- **System Monitoring:** Display CPU temperature, GPU temperature, fan speeds, and other system metrics.
- **Time and Date:** Show current time and date.
- **Custom Animations/GIFs:** Upload and play your favorite animated GIFs.
- **Video Playback:** Play short video clips.

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 LCD screen displaying a customizable animation, demonstrating the ability to create personalized styles.

5.2. TRCC Software Control

The TRCC software provides granular control over the LCD screen and cooler performance:

- **Monitoring:** View real-time data for CPU, GPU, and pump.
- **Customization:** Upload images, GIFs, and videos to be displayed on the screen. Adjust display orientation and brightness.
- **Fan/Pump Control:** Adjust fan curves and pump speed (if supported by motherboard and software).

6. MAINTENANCE

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

- **Dust Cleaning:** Periodically clean the radiator fins and fan blades with compressed air or a soft brush to prevent dust buildup, which can impede cooling performance.
- **Cable Management:** Ensure all cables are neatly routed and not obstructing airflow or fan movement.
- **Inspect Tubing:** Occasionally check the tubing for any signs of wear, kinks, or leaks. While AIOs are sealed, visual inspection is good practice.

7. TROUBLESHOOTING

If you encounter issues with your Thermalright Trofeo Vision 360 ARGB White CPU AIO Cooler, refer to the following common problems and solutions:

- **LCD Screen is Blank or Not Responding:**

- Ensure the USB cable from the cold head is securely connected to a motherboard USB 2.0 header.
- Check if the TRCC software is running and updated.
- Try unplugging and re-plugging the Type-C interface of the cold head to perform a hardware restart of the screen.
- Verify that the motherboard's USB header is enabled in BIOS/UEFI.

- **High CPU Temperatures:**

- Ensure the water block is securely mounted to the CPU with adequate contact pressure.
- Verify that thermal paste was applied correctly.
- Check if the pump is running (you might hear a faint hum or feel vibrations in the tubes). Ensure the pump's power cable is connected to the correct motherboard header and receiving power.
- Confirm that the fans are spinning and oriented correctly for airflow.
- Clean any dust buildup on the radiator fins.

- **Fans Not Spinning or ARGB Not Lighting Up:**

- Check all fan and ARGB cable connections to the motherboard.
- Ensure your motherboard's ARGB header is enabled and configured correctly in its software (if applicable).
- Verify that the fan headers are providing power.

- **Unusual Noise from Cooler:**

- Check for any cables or obstructions hitting the fan blades.
- Ensure the fans are securely mounted and not vibrating against the radiator or case.
- A slight gurgling sound initially is normal as air bubbles settle in the loop. If it persists, try gently tilting your PC case to help move air bubbles to the radiator.

8. SPECIFICATIONS

| Component | Specification |
|-------------------------------|---------------------------------|
| Cooler Dimensions (Heat Sink) | 403 x 120 x 52mm |
| Cooling Head Dimensions | 187.2 x 95.8 x 102mm |
| Water Pump Speed | 6400RPM \pm 10% |
| Water Pump Voltage | DC 12V |
| Fan Dimensions | 360mm x 120mm x 25mm (TL-UB36W) |
| Fan Speed | 2150RPM \pm 10% (MAX) |
| Fan Noise Level | \leq 27dBA |

| Component | Specification |
|-----------------------|---|
| Fan Air Flow | 69.3CFM (MAX) |
| Fan Static Pressure | 2.87mm/H2O (MAX) |
| Fan Connector | 4PIN PWM |
| Fan Bearing Type | S-FDB Bearing V2 |
| RGB Support | +5V 3PIN ARGB |
| LCD Screen Resolution | 1280 x 480 |
| Compatible Devices | Desktop |
| Intel Socket Support | LGA 1150/1151/1155/1156/1200/1700/2011/2066 |
| AMD Socket Support | AM4/AM5 |
| UPC | 753873529245 |

9. WARRANTY AND SUPPORT

Thermalright products are manufactured to high-quality standards. For information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or visit the official Thermalright website.

For technical support, driver downloads (including TRCC software), and frequently asked questions, please visit the Thermalright support page:

[Thermalright Official Support & Download Page](#)

If you encounter issues that cannot be resolved using this manual or the online resources, please contact Thermalright customer service for further assistance.