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Thermalright RV360 TURBO ARGB WHITE

Thermalright Rainbow Vision 360 Turbo ARGB White CPU Liquid Cooler

User Manual

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Thermalright Rainbow Vision 360 Turbo ARGB White CPU Liquid Cooler. This all-in-one (AIO) liquid cooler is designed to provide efficient heat dissipation for your CPU, featuring a 6.67-inch curved display for system monitoring and customization.

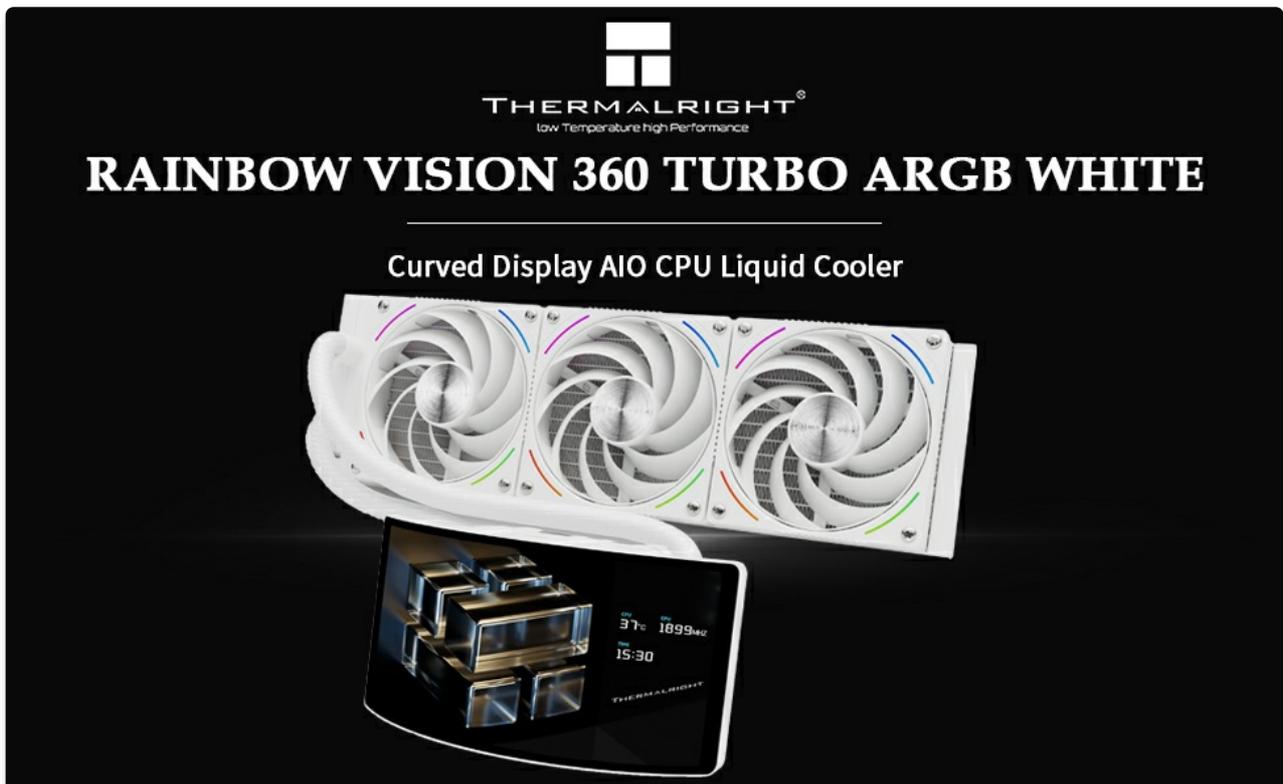


Image 1.1: The Thermalright Rainbow Vision 360 Turbo ARGB White CPU Liquid Cooler, showcasing its 6.67-inch curved display and three ARGB fans.

2. PACKAGE CONTENTS

Verify that all components are present in the package before proceeding with installation:

- CPU Liquid Cooler (Radiator, Pump, and Fans pre-assembled)
- Mounting Hardware for Intel Sockets (LGA 1150/1151/1155/1156/1200/1700/2011/2066)
- Mounting Hardware for AMD Sockets (AM4/AM5)
- Thermal Paste
- User Manual (this document)

3. SPECIFICATIONS

Feature	Specification
Model Number	RV360 TURBO ARGB WHITE
Product Dimensions	15.87"L x 4.72"W x 2.17"H (403x120x55mm)
Cooling Method	Water
Compatible Devices	Desktop
CPU Socket Compatibility	Intel: LGA 1150/1151/1155/1156/1200/1700/2011/2066 AMD: AM4/AM5
Pump Speed	6400 RPM \pm 10%
Fan Speed (Max)	3000 RPM
Air Flow Capacity	120.38 Cubic Feet Per Minute (CFM)
Noise Level	44.7 Decibels (dB)
Power Connector Type	4-Pin
Voltage	DC 12V
Material	Aluminum
Display Size	6.67-inch Curved OLED
Display Resolution	2400x1080

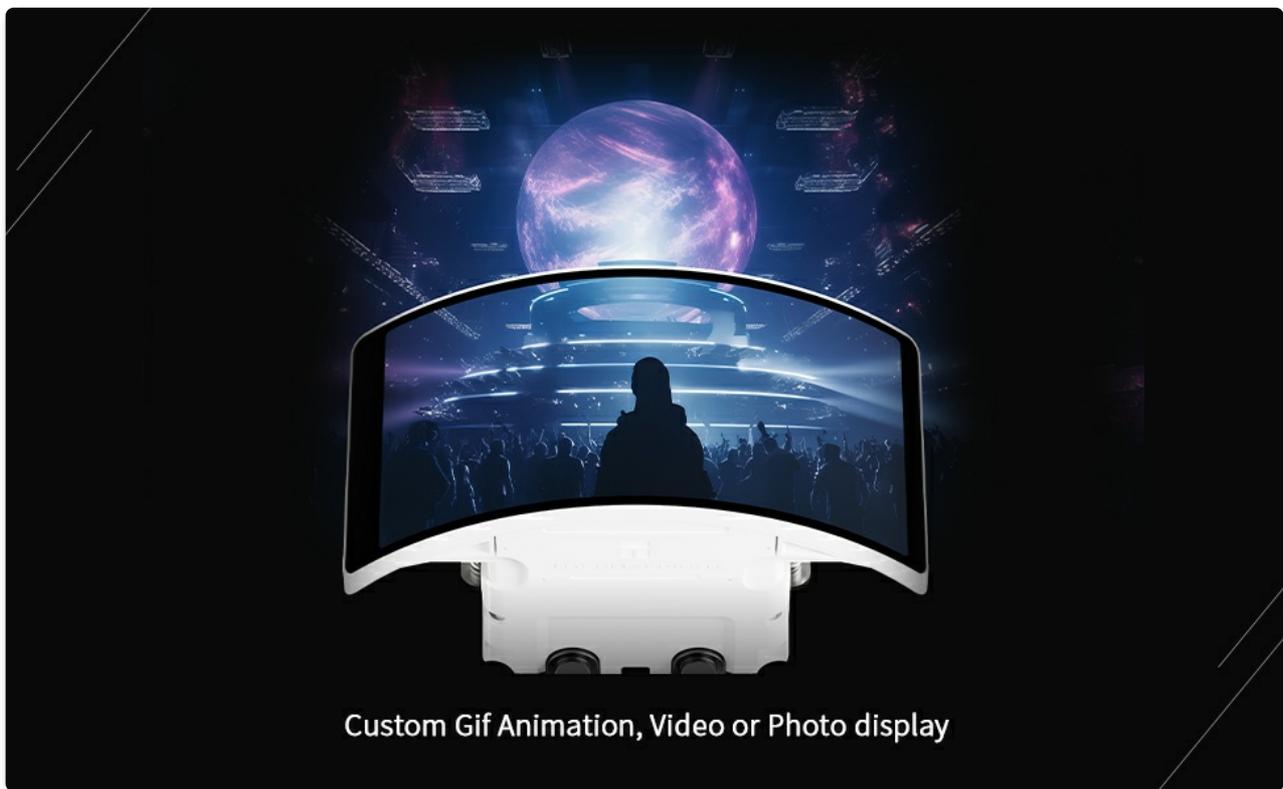


Image 3.1: Detailed view of the TL-K12W-X28-R9 TURBO fan, highlighting its static pressure optimization, dual ball bearing, 3000RPM speed, and 4-pin PWM control.

4. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. It is recommended to refer to the official installation video or a detailed manual for visual guidance. The cooler features an Easy SS2 Install System for simplified mounting.

4.1. Compatibility Check

Ensure your motherboard socket is compatible with the cooler. This model supports Intel LGA 1150/1151/1155/1156/1200/1700/2011/2066 and AMD AM4/AM5 platforms. For AMD platforms, the original motherboard backplate is required for installation and is not included with the product.

2K AMOLED DISPLAY

Features high resolution, great color and contrast for extraordinary visual experience.



Image 4.1: Illustration of supported motherboard sockets (Intel and AMD) and the internal design of the radiator with low-resistance water channels and polymer-sleeved water tubes.

4.2. General Installation Steps (Summary)

1. **Prepare CPU and Motherboard:** Clean the CPU surface and apply thermal paste. Install the correct backplate and standoffs for your CPU socket.
2. **Mount Water Block:** Secure the water block (cold head) onto the CPU using the provided mounting hardware. Ensure even pressure.
3. **Install Radiator and Fans:** Mount the radiator and fans to an available fan mount in your PC case. The fans are pre-installed on the radiator.
4. **Connect Cables:** Connect the pump and fan cables to the appropriate headers on your motherboard. Connect the ARGB cables for lighting control.

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 4.2: The Easy SS2 Install System, designed for straightforward installation and consistent contact pressure.

5. OPERATING INSTRUCTIONS

The Rainbow Vision 360 Turbo features a 6.67-inch curved OLED display on the cold head, offering various customization and monitoring options.

5.1. Display Features

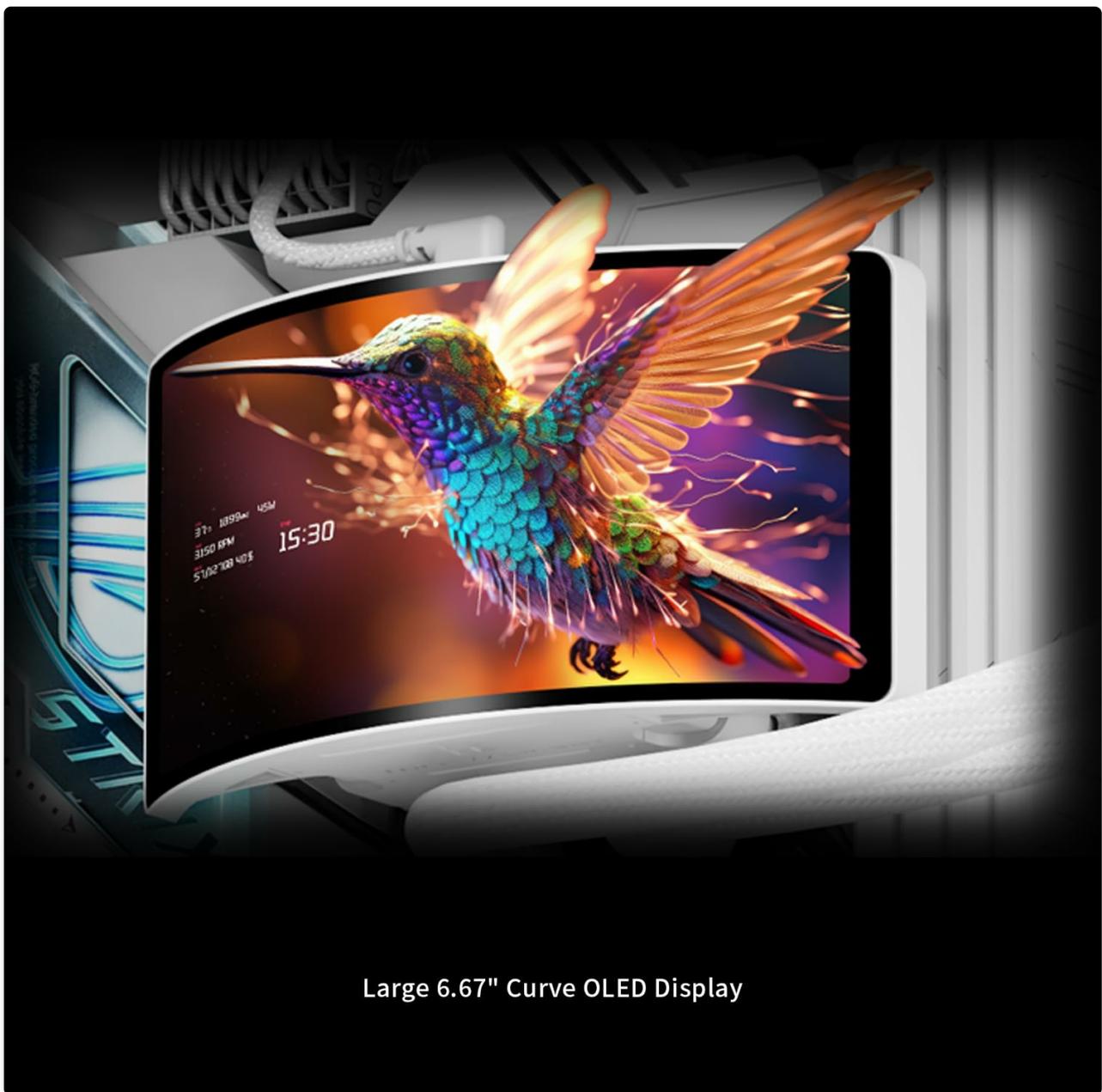
- **System Monitoring:** Display real-time CPU/GPU temperature, usage, and other system parameters.
- **Custom Themes:** Freely DIY themes, including static images, dynamic images, and 3D videos.
- **Magnetic Suction:** The curved screen is attached via magnetic suction, allowing for easy removal and reattachment.

6.67 INCH CURVED 2K OLED DISPLAY



Magnetic Display Module Design

Image 5.1: The magnetic connect OLED display module, illustrating its capabilities for system monitoring, GIF picture playback, and video playback.



Large 6.67" Curve OLED Display

Image 5.2: A close-up view of the large 6.67-inch curved OLED display, showcasing its vibrant image display capabilities.

5.2. TRCC Software

To fully utilize the display's customization features, download and install the TRCC software. This software allows you to:

- Customize static and dynamic background themes.
- Define text presentation.
- Upload and display 3D videos, GIFs, and images.

Download TRCC software at: <https://thermalright.com/support/download/>



Image 5.3: The TRCC software interface, demonstrating options for customizing the display with various themes, images, and system monitoring parameters.

6. MAINTENANCE

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

- **Dust Cleaning:** Periodically clean dust from the radiator fins and fans using compressed air. Ensure the system is powered off before cleaning.
- **Cable Management:** Ensure all cables are securely connected and not obstructing airflow.
- **Visual Inspection:** Occasionally check for any signs of leaks around the tubing and fittings. While rare, early detection can prevent damage.

7. TROUBLESHOOTING

If you encounter issues with your liquid cooler, refer to the following common troubleshooting steps:

7.1. No Power/Fans Not Spinning

- Check all power connections to the pump and fans.
- Ensure the pump and fan headers on the motherboard are correctly configured in the BIOS/UEFI.

7.2. High CPU Temperatures

- Verify that the water block is making proper contact with the CPU. Re-seat if necessary, ensuring even pressure.
- Check if thermal paste was applied correctly and sufficiently.
- Ensure fans are spinning at appropriate speeds and are oriented correctly for airflow (intake/exhaust).
- Confirm the pump is operating (you may hear a faint hum or feel vibrations).

7.3. Display Not Working

- Check the display's power and data connections.
- Ensure the TRCC software is installed and running correctly.
- Verify that the display module is securely attached to the cold head.

7.4. Unusual Noises

- **Gurgling/Bubbling:** This can be normal during initial startup as air settles. If persistent, gently tilt your PC case to help move air bubbles to the radiator.
- **Fan Noise:** Check for obstructions or loose fan blades. Ensure fan screws are tightened.
- **Pump Noise:** If the pump is excessively loud, ensure it's receiving adequate power and is not running dry.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Thermalright website or contact their customer service directly. Keep your proof of purchase for warranty claims.

