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Thermalright Stream Vision 360

Thermalright Stream Vision 360 Black CPU Liquid Cooler Instruction Manual

Model: Stream Vision 360

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Thermalright Stream Vision 360 Black CPU Liquid Cooler. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product.

STREAM VISION 360 BLACK

Active cooling waterblock LCD AIO liquid cooler



Full color ips 3.5 display
640*480 resolution IPS LCD display

Customizeable Theme
Video Play Support

Performance fans
28mm thickness

Image: Thermalright Stream Vision 360 Black CPU Liquid Cooler installed in a PC case, highlighting the LCD screen and radiator.

SAFETY INFORMATION

Always follow these safety guidelines to prevent damage to the product or injury:

- Ensure your computer system is powered off and unplugged from the wall outlet before installation.
- Handle components with care to avoid damage.
- Do not attempt to disassemble the cooler's pump or radiator.
- Keep out of reach of children.
- Refer to the installation video or manual for specific steps.

PACKAGE CONTENTS

Verify that all components are present in the package:

- Thermalright Stream Vision 360 Black CPU Liquid Cooler (Radiator with pre-installed fans, pump/waterblock with LCD screen)
- Mounting fasteners for AMD (AM4/AM5) and Intel (LGA1150/1151/1155/1156/1200/2011/2066/1700/1851) platforms
- SS2 all-metal buckle
- Water guide clip
- USB-C to USB 2.0 connection cable (for LCD screen)
- Thermal paste

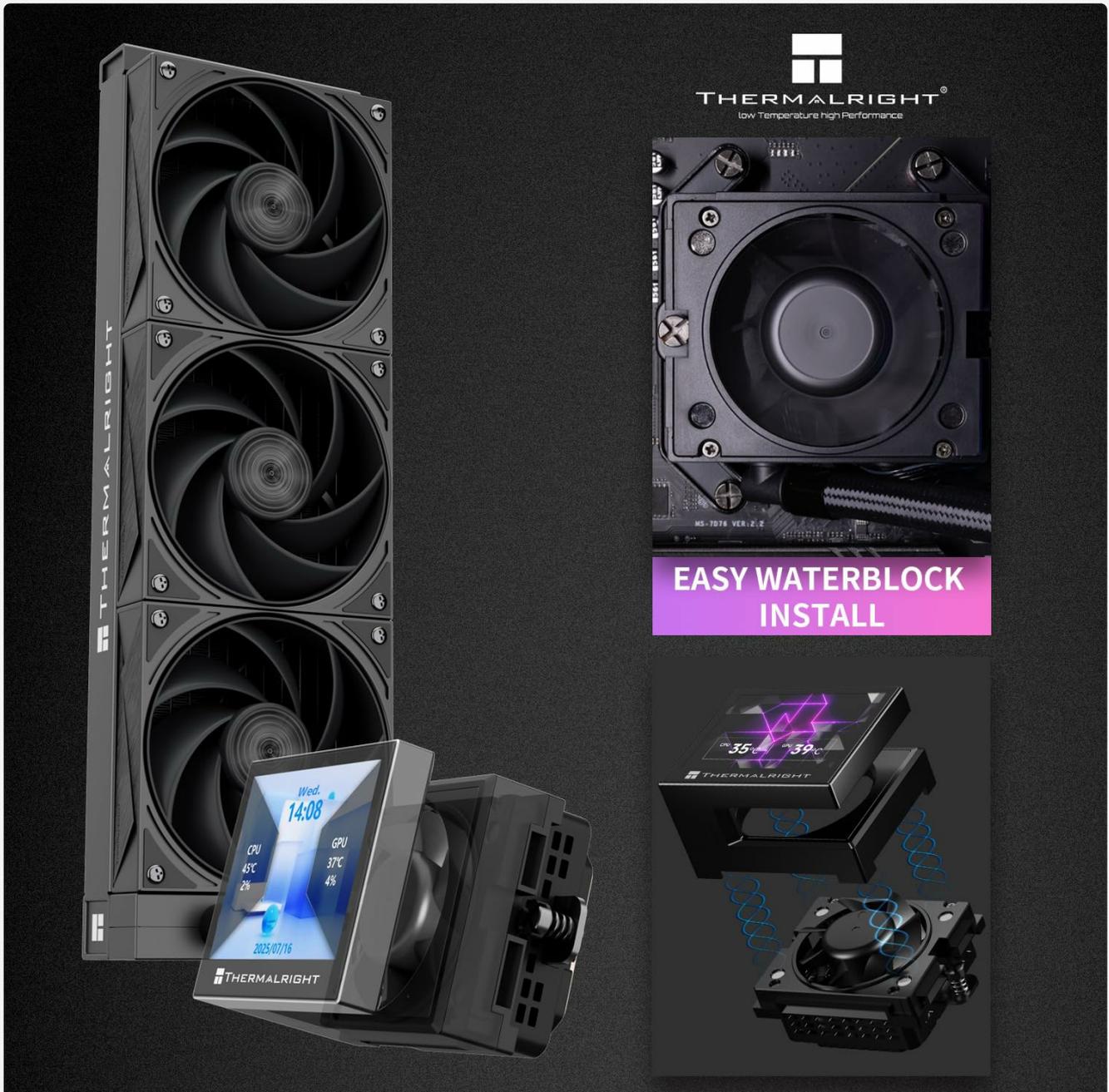


Image: Main components of the liquid cooler, showing the radiator, fans, and the waterblock with its detachable LCD module.

SETUP AND INSTALLATION

The Thermalright Stream Vision 360 Black CPU Liquid Cooler is designed for straightforward installation. Ensure you have the correct mounting hardware for your CPU socket type (AMD AM4/AM5 or Intel LGA1150/1151/1155/1156/1200/2011/2066/1700/1851).

General Installation Steps:

1. **Prepare the CPU:** Clean the CPU surface of any old thermal paste. Apply a thin, even layer of new thermal paste to the center of the CPU.
2. **Install Radiator and Fans:** Mount the radiator with its pre-installed fans to an available fan mounting location in your PC case (typically top or front). Ensure airflow direction is optimal for your case.
3. **Install Mounting Bracket:** Attach the appropriate mounting bracket (Intel or AMD) to the waterblock. The SS2 all-metal buckle provides secure compatibility.
4. **Mount Waterblock:** Carefully place the waterblock onto the CPU, aligning the mounting holes. Secure it with the provided fasteners. For AMD platforms, use the original motherboard backplate.
5. **Connect Cables:**
 - Connect the pump's 4-PIN PWM cable to the CPU_FAN or AIO_PUMP header on your motherboard.
 - Connect the fan cables to appropriate fan headers on your motherboard or a fan controller.
 - Connect the LCD screen via the USB-C to USB 2.0 cable to an available USB 2.0 header on your motherboard.
6. **Manage Tubing:** Use the included water guide clips to route the water tubes neatly and prevent them from interfering with other components or fans.

MAGNETIC CONNECT LCD DISPLAY MODULE



Image: The magnetic LCD display module detaching from the waterblock, illustrating easy installation.

Software Installation (TRCC):

To customize the LCD screen and monitor system parameters, download and install the TRCC software from the official Thermalright website. The software allows for custom themes, static/dynamic picture switching, and video playback on the 3.5-inch IPS LCD screen.

Installation Video Reference:

For a visual guide, refer to the official installation video. This video demonstrates the process for various CPU platforms.

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Video: Product overview and installation guide for the Thermalright Stream Vision 360 Black CPU Liquid Cooler.

OPERATING INSTRUCTIONS

LCD Screen Customization:

The 3.5-inch IPS LCD screen offers a 640x480 resolution for clear display. Use the TRCC software to:

- Display real-time system monitoring data (CPU/GPU temperature, clock frequencies, usage).
- Switch between various static and dynamic pictures.
- Upload and play custom GIFs and videos.
- Apply custom themes.



Image: The LCD screen showcasing various live system monitoring displays and customizable visual themes.

Active Motherboard Cooling:

The magnetic cold head pump features an integrated 60mm fan. This fan provides direct airflow to the motherboard's core power supply module (VRM) and memory, contributing to lower component temperatures and stable CPU power delivery.



ACTIVE MOTHERBOARD COOLING

Image: The waterblock's integrated fan actively cooling the motherboard's voltage regulator modules (VRM) and RAM.

MAINTENANCE

- **Dust Cleaning:** Periodically clean the radiator fins and fan blades with compressed air to prevent dust buildup, which can impede cooling performance.
- **Cable Management:** Ensure all cables are securely connected and not obstructing airflow.
- **Software Updates:** Keep the TRCC software updated to access new features and performance improvements.
- **Liquid Level Check:** This is a closed-loop system and does not require regular liquid refills. However, monitor for any signs of leaks.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
High CPU Temperatures	<ul style="list-style-type: none"> Improper thermal paste application. Loose waterblock mounting. Dust buildup on radiator/fans. Incorrect fan speed settings. 	<ul style="list-style-type: none"> Reapply thermal paste. Ensure waterblock is securely mounted. Clean radiator and fans. Adjust fan curves in BIOS/software.
LCD Screen Not Displaying	<ul style="list-style-type: none"> USB cable not connected or loose. TRCC software not installed or running. Driver issue. 	<ul style="list-style-type: none"> Check USB-C to USB 2.0 connection. Install/restart TRCC software. Reinstall TRCC software and drivers.
Unusual Noise from Cooler	<ul style="list-style-type: none"> Air bubbles in the pump. Fan rubbing against cables or case. Pump speed too high. 	<ul style="list-style-type: none"> Gently tilt the PC case to help dislodge air bubbles. Check for obstructions and secure cables. Adjust pump speed in BIOS/software.

SPECIFICATIONS

Component	Specification
Model	Stream Vision 360 Black
Radiator Dimensions	403mm x 120mm x 52mm
Waterblock Dimensions	69mm x 76mm x 92mm (cold head)
Pump Speed	6400 RPM \pm 10%
Pump Voltage	DC 12V
Pump Connector	4-PIN PWM
Fan Model	TL-H12-X28-R7
Fan Dimensions	120mm x 120mm x 28mm
Fan Speed	2400 RPM \pm 10%
Fan Air Pressure	2.78 MM H2O
Fan Air Volume	95.4 CFM
Operating Noise	\leq 31.4 dBA
Fan Bearing Type	S-FDB Bearing V2
LCD Screen Size	3.5 inches
LCD Resolution	640x480 IPS
Compatibility	AMD: AM4/AM5, Intel: LGA1150/1151/1155/1156/1200/2011/2066/1700/1851
Material	Aluminum

Component	Specification
Item Weight	6.74 pounds

Support motherboards:

Intel:

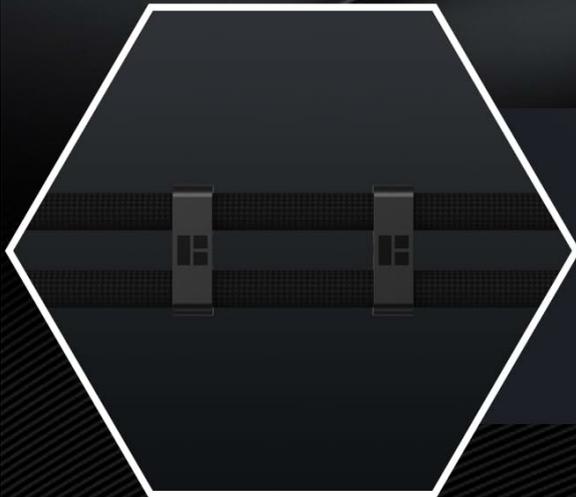
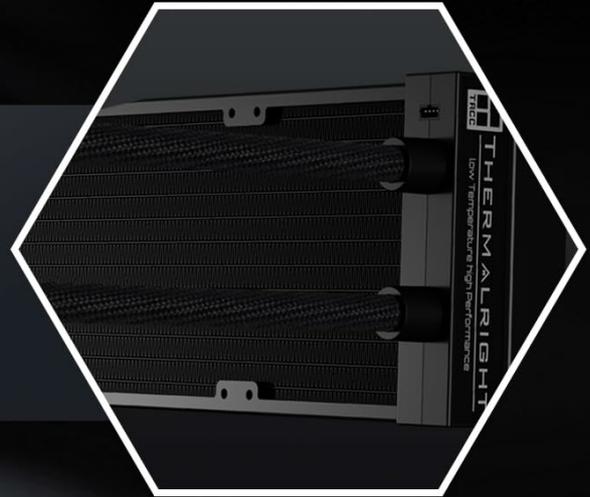
LGA1851/1700/115X/1200/
2066/2011 square

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.

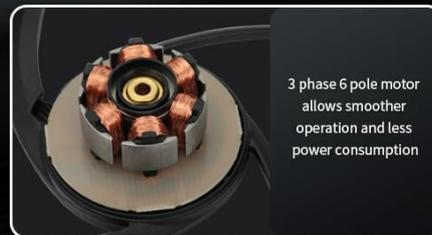
Image: Compatibility information for Intel and AMD platforms, alongside details of the radiator's internal water channels and polymer-sleeved tubes.

TL-H12-X28-R7

Thermalright engineered fan blades have high static-pressure performance, optimized for radiator use. Each fan is equipped with high precision S-FDB Bearing V2 for low noise operation and high durability.



Pre-install fans on radiator for easy installation



3 phase 6 pole motor allows smoother operation and less power consumption



2.78mm/H₂O(MAX)
Static Pressure Optimized



S-FDB V2
Bearing



2400RPM±10%
High Performance



4PIN PWM
Control Support

Image: Specifications and features of the TL-H12-X28-R7 fan, including its S-FDB V2 bearing and static pressure optimization.

WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please visit the official Thermalright website or contact their customer service department. Keep your purchase receipt as proof of purchase.

Official Website: www.thermalright.com