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## Lian Li Hydroshift II-C 360TL

# Lian Li Hydroshift II-C 360TL RGB Liquid CPU Cooler Instruction Manual

Model: Hydroshift II-C 360TL

## INTRODUCTION

The Lian Li Hydroshift II-C 360TL is a high-performance All-In-One (AIO) liquid CPU cooler designed to provide efficient thermal management for your desktop system. It features a 360mm radiator, three 120mm RGB fans, and a 2.1-inch IPS LCD screen for real-time monitoring and customization. This manual provides essential information for the proper installation, operation, and maintenance of your cooler.



Image: The Lian Li Hydroshift II-C 360TL cooler, showcasing its 360mm radiator with three white RGB fans and the circular LCD pump head displaying system information.

## WHAT'S IN THE BOX

Verify that all components are present before beginning installation:

- Hydroshift II LCD-C 360 Liquid Cooler (x1)
- UNI FAN TL Wireless (x3)
- Mounting Screw Cap (x1)
- Radiator Cover (x1)
- Tube & Cable Clip (x2 L, x1 M)
- Intel 1700 Backplate + Screw Set (x1)
- AMD AM5/AM4 Adapter Brackets + Screw Set (x1)
- L-Wireless Controller (x1)

## SETUP AND INSTALLATION

Follow these steps for a successful installation of your Hydroshift II-C 360TL cooler. Ensure your system is powered off and unplugged before proceeding.

### 1. Prepare the Motherboard and CPU

Install your CPU onto the motherboard socket. For Intel LGA 1851/1700 or AMD AM5/AM4 platforms, use the appropriate mounting brackets provided in the package. The newly developed mounting system is designed for easier, more intuitive installation.

#### Installation Steps

For full details, please refer to the user manual.



1. Install the CPU first.



2. Mount the water block bracket, ensuring the notch is aligned to the right.



3. Use the included screwdriver to secure the bracket screws—again, ensure the notch is on the right.



4. Attach the pump head from right to left and tighten the screws to secure it.

Image: A visual guide illustrating the process of installing the CPU mounting bracket onto the motherboard, ensuring proper alignment and secure fastening.

### 2. Mount the Radiator and Fans

The 360mm radiator comes with three pre-installed UNI FAN TL Wireless fans. Mount the radiator to an available fan mounting location in your PC case, typically at the top or front. The radiator has been compactly redesigned to just 400 × 122 × 24mm, making installation easier while maintaining excellent thermal performance.

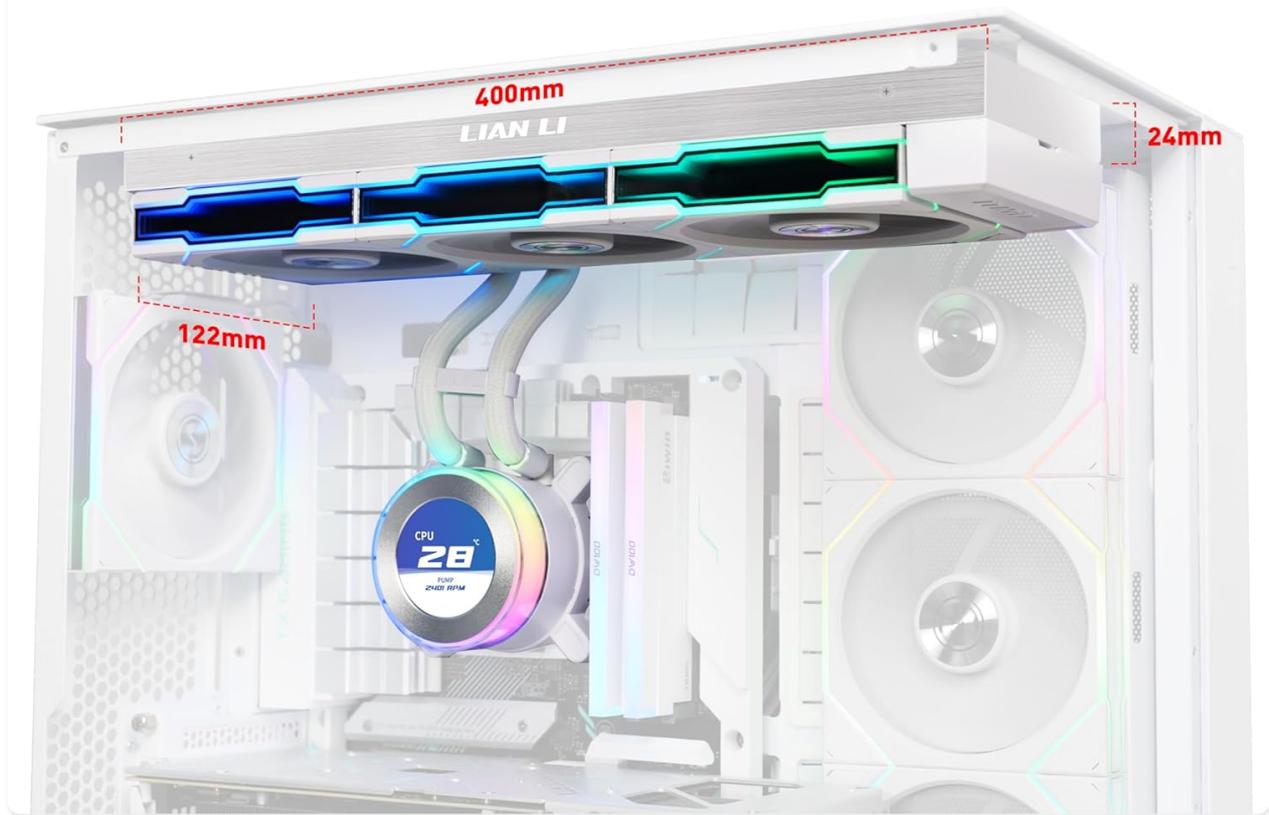


Image: A detailed view of the radiator, highlighting its compact dimensions of 400mm x 122mm x 24mm, designed for improved case compatibility.

### 3. Install the Pump Head

Secure the pump head onto the CPU. The innovative sliding tube clamp allows for precise alignment of liquid cooling tubes, ensuring an organized setup. It can be removed for installations requiring tighter fan-to-motherboard clearance. The durable and flexible corrugated tubing offers improved bendability.

# Minimalist Aesthetics, Maximum Freedom

The innovative side-mounted tubing design routes the tubes along the edge of the radiator, significantly reducing visual clutter. Pump and USB cables are seamlessly hidden in the tubes' woven sleeve that integrates into the radiator's side for a “nearly cable-free and tubeless” look.



Image: A close-up of the pump head and its flexible, corrugated tubing, demonstrating the adjustable tube clamps for precise alignment and cable management.

## 4. Cable Management and Connections

The pump and USB cables are seamlessly hidden within the tubes' woven sleeve, integrating into the radiator's side for a nearly cable-free and tubeless look. Pre-installed tube support brackets help conceal water cooling tubes.

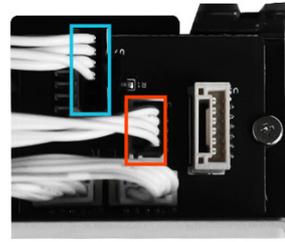
- **USB Connection Set Up Tips:** If L-Connect 3 software does not detect the HydroShift II, it may be due to insufficient power from the connected PWM port. Enter your BIOS and set the connected PWM port (recommended CPU\_FAN, AIO\_PUMP, or PUMP) to PWM/DC mode instead of Auto. Ensure the port is set to full speed.
- The receiver for the L-Wireless Controller requires a 4-pin power connector to operate.

Users can choose to remove the USB 2.0 cable and operate in Offline or Wireless Mode only.

(Note: USB 2.0 is connected by default and can be removed by detaching the radiator cover.)



The cover, which is located on the right side of the radiator, can be removed to access cable connectors.



#### PWM Power Cable

It is recommended to connect the 4-pin cable to the AIO pump or CPU fan header on the motherboard for stable power. The 2-pin serves as auxiliary power—if insufficient power is detected, connect the cable to a FWM header on the motherboard. (This applies to the water cooling fan, CL version, TL version, and fanless version—all using a 4-pin connector.)



#### USB 2.0 Cable

Used for transferring media in streaming mode and advanced wireless mode, such as JPG and MP4 files.

(Basic wireless mode only supports JPG uploads.)

Image: A diagram illustrating the integrated cable management system, where USB and power cables are routed within the cooling tubes for a clean aesthetic.

## 5. Flexible Layout and Compatibility

The top mounting position for water cooling supports radiators up to 280mm wide and 400mm long. Depending on your case's top clearance, you may need to remove the vertical tubing support bracket or reposition tube clips. Refer to your case manual for specific guidance.

### Flexible Layout, Upgraded Compatibility

The top mounting position for water cooling supports radiators up to 280mm wide and 400mm long, allowing ample space for both the radiator and tubing installation. Depending on the case's top clearance, users may opt to remove the vertical tubing support bracket. It is recommended for setups with radiator + fan thickness over 55mm.

Since different cases may present varying installation scenarios, users can adjust or remove the support bracket as needed to suit their specific setup. Please refer to the user manual for detailed guidance.

Scenario 1:  
Sufficient clearance between the radiator and motherboard  
(e.g., O11 Vision Compact)



The user can use thumb screws to slightly adjust the bracket position around the 140mm mounting area on the radiator bracket.

Image: Visual examples of radiator and tubing installation in different PC case configurations, demonstrating how to adapt to varying clearances.

## OPERATING MODES

The 2.1-inch round IPS LCD display offers three distinct control modes:

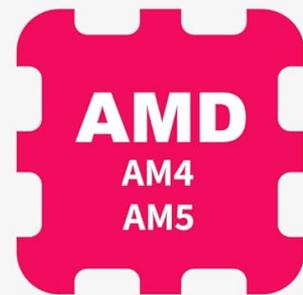
- **Offline Mode:** Adjust LED and LCD content using the rotatable cap without a USB connection. Displays coolant temperature and pump speed.
- **Wireless Mode:** Adjust screen hardware info, background themes, and cap lighting effects wirelessly with the L-Wireless Controller. Syncs with other LIAN LI wireless devices.
- **Streaming Mode:** Connect via USB to fully customize settings using L-Connect 3 software. Supports various media formats like MP4 and GIF for personalized displays.

# Universal Compatibility, Hassle-Free Setup

Hydroshift I LCD-C is designed for easy installation and supports all major CPU sockets, ensuring a smoother, worry-free building experience.



compatible  
platforms



compatible  
platforms

Image: A visual representation of the three control modes (Offline, Wireless, Streaming) for the LCD screen, showing different display options and customization capabilities.

## Video: Introducing Hydroshift II AIO Cooler with New Fans & Design

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Video Description: This official seller video introduces the Lian Li Hydroshift II AIO Cooler, highlighting its new fan design and features. It provides an overview of the cooler's aesthetics and functionality.

## Video: Hydroshift II Powered by Wallpaper Engine

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Video Description: An official seller video demonstrating the customization capabilities of the Hydroshift II LCD screen when integrated with Wallpaper Engine, showcasing dynamic visual effects.

To ensure the longevity and optimal performance of your Lian Li Hydroshift II-C 360TL cooler, regular maintenance is recommended:

- **Dust Removal:** Periodically clean the radiator fins and fan blades to prevent dust buildup, which can impede airflow and cooling efficiency. Use compressed air or a soft brush.
- **Tube Inspection:** Check the corrugated tubing for any signs of wear, kinks, or leaks. While the tubing is designed for durability, regular inspection is advised.
- **Software Updates:** Keep the L-Connect 3 software updated to ensure compatibility and access to the latest features and performance optimizations.

## TROUBLESHOOTING

If you encounter issues with your Hydroshift II-C 360TL, refer to the following common troubleshooting tips:

- **L-Connect 3 Not Detecting Cooler:** As mentioned in the setup tips, ensure the connected PWM port in your BIOS is set to PWM/DC mode (not Auto) and at full speed to provide adequate power for USB detection.
- **Pump Noise/Performance:** The pump operates within a specified RPM range (900-2500 RPM). If the pump is excessively loud at idle, verify BIOS settings for the connected PWM header. Note that the pump may not support PWM control for variable speed, operating instead on DC voltage.
- **Melted CPU Cooler Cables:** If cables show signs of melting, immediately power off your system and disconnect the cooler. This indicates a severe power issue, potentially due to incorrect wiring or a faulty motherboard port. Contact customer support for assistance.
- **No Linux Support:** The L-Connect 3 software and full customization features are primarily designed for Windows operating systems. There is currently no official Linux support for the software.

## SPECIFICATIONS

Feature	Specification
Brand	Lian Li
Power Connector Type	4-Pin
Cooling Method	Water
Compatible Devices	Desktop
Noise Level	31 Decibels
Material	Aluminum
Maximum Rotational Speed (Fans)	2400 RPM

Feature	Specification
Pump Speed	900-2500 RPM $\pm$ 10%
Radiator Dimensions	400 x 122 x 24mm
Fan Dimensions	124 x 120 x 28mm
Bearing Type	FDB Bearing
Rated Voltage	DC 12V
Operating Voltage	DC 6V ~ 13.2V
Starting Voltage	DC 6V (ON/OFF)
Fan Airflow	90.1 CFM
Fan Air Pressure	3.97 mm H <sub>2</sub> O
Fan Noise Level	33 dB(A)
LCD Type	2.1" inch 60HZ
LCD Resolution	480x480 pixels
Screen Brightness	500 nits
Block Dimensions	69x87x87mm

## WARRANTY AND SUPPORT

The Lian Li Hydroshift II-C 360TL Liquid CPU Cooler comes with a **6-Year Warranty**. For technical support, warranty claims, or further assistance, please visit the official Lian Li website or contact their customer service department. Keep your proof of purchase for warranty validation.