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

Lian Li HS2LCD36TB

Lian Li Hydroshift II 360 TL RGB Liquid CPU Cooler

Model: HS2LCD36TB

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Lian Li Hydroshift II 360 TL RGB Liquid CPU Cooler. Please read this guide thoroughly before installation to ensure proper setup and optimal performance.

The Lian Li Hydroshift II 360 TL is an all-in-one (AIO) liquid CPU cooler featuring a 360mm radiator, three 120mm RGB fans, and a 2.1-inch IPS LCD screen. It is designed for efficient thermal management of high-performance desktop processors.



Image: The Lian Li Hydroshift II 360 TL RGB Liquid CPU Cooler, showcasing the radiator with three fans and the pump head with its integrated LCD screen.

PACKAGE CONTENTS

Verify that all components are present in your package:

- Lian Li Hydroshift II Liquid Cooler (Radiator and Pump Assembly)
- 3x UNI FAN TL Wireless Fans (Pre-installed)
- Mounting Hardware for Intel (LGA 1851/1700)
- Mounting Hardware for AMD (AM5/AM4)
- USB Connection Cable
- PWM Power Cable
- User Manual (this document)

1. Compatibility

The Hydroshift II 360 TL is compatible with the following CPU sockets:

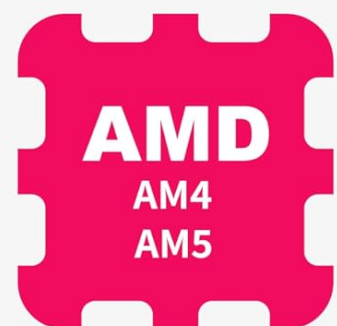
- **Intel:** LGA 1851, LGA 1700
- **AMD:** AM5, AM4

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: Visual representation of compatible Intel and AMD CPU platforms.

2. Radiator and Fan Installation

The radiator has been compactly redesigned to 400mm x 122mm x 24mm, making it 3mm thinner, 3mm shorter, and 2.5mm narrower than previous generations. This reduced footprint improves compatibility with mainstream PC cases while maintaining thermal performance.

Reduced Dimensions without Performance Compromise

The radiator has been compactly redesigned to just 400 × 122 × 24mm—3mm thinner, 3mm shorter, and 2.5mm narrower than the previous generation. This reduced footprint improves compatibility with mainstream PC cases, making installation easier while maintaining excellent thermal performance.

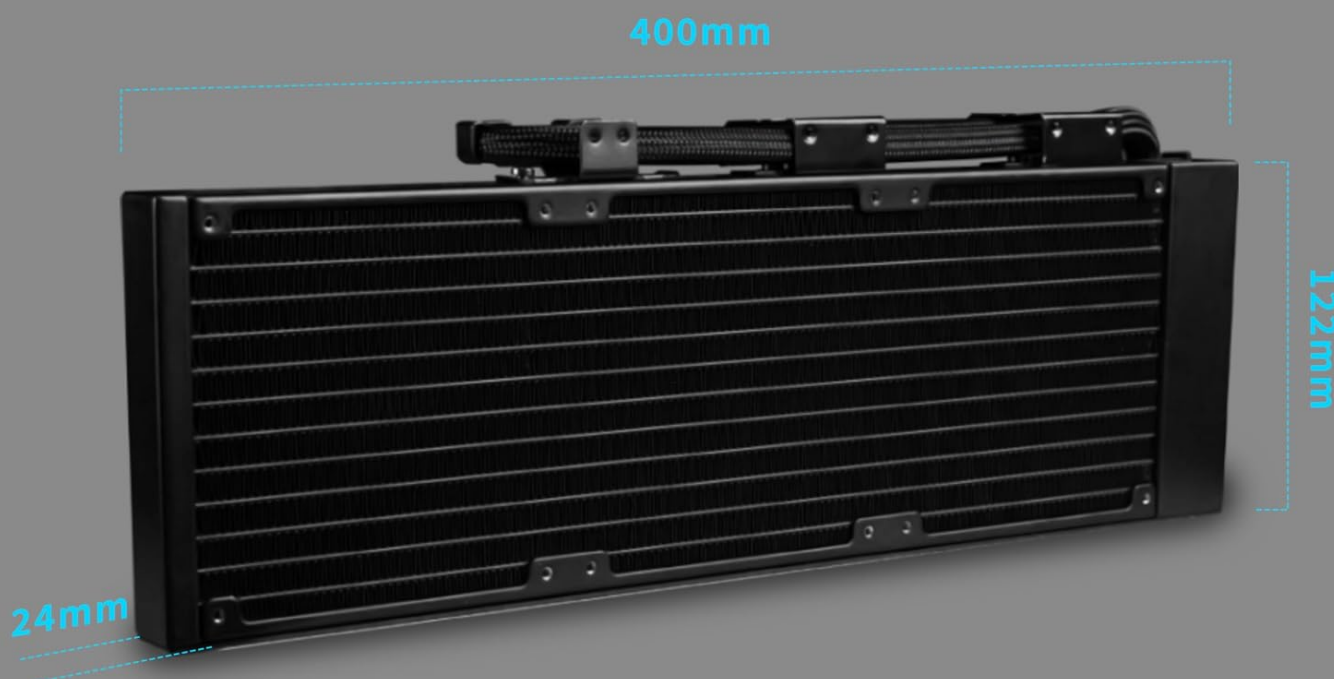


Image: Diagram illustrating the compact dimensions of the radiator.

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 adjust or remove the vertical tubing support bracket if the radiator + fan thickness exceeds 55mm.

Flexible Layout Scenarios:

- **Scenario 1 (Sufficient Clearance):** If there is ample space between the radiator and motherboard (e.g., O11 Vision Compact case), you can use thumb screws to slightly adjust the bracket position around the 140mm mounting area on the radiator bracket.
- **Scenario 2 (Limited Clearance):** If clearance is limited (e.g., LANCOOL 216 case), the vertical bracket may need to be repositioned directly behind the CPU, and excess tubing routed behind the radiator. Tubing clips may not be usable in this layout.
- **Scenario 3 (Tight Clearance):** For very tight clearances (e.g., LANCOOL 207 case), you may need to remove both the vertical bracket and tubing support brackets. Excess tubing should be routed behind the radiator.

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: Installation scenario with sufficient clearance, showing adjustable bracket.

Scenario 2:
Limited clearance between the radiator bracket and motherboard
(e.g., LANCOOL 216)



The vertical bracket needs to be repositioned directly behind the CPU, and any excess tubing should be routed toward the back of the radiator. If necessary, consider removing the leftmost tubing support bracket.
(Note: Tubing clips are not usable in this layout.)



Image: Installation scenario with limited clearance, showing repositioned bracket and tubing.

Scenario 3:
Tight clearance between the radiator bracket and motherboard
(e.g., LANCOOL 207)



The user will need to remove the vertical bracket and reposition both tubing support brackets. Excess tubing should be routed behind the radiator during installation.
(Note: Tube clips can be installed depending on the available space.)

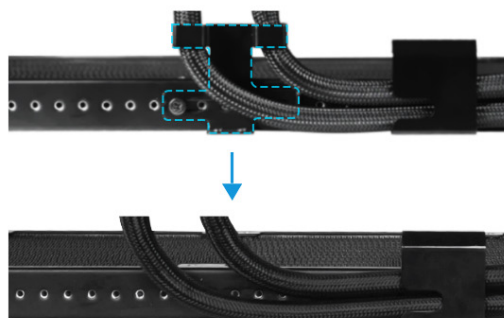


Image: Installation scenario with tight clearance, showing removed brackets and routed tubing.

3. Pump Head Installation

The Hydroshift II features a redesigned mounting bracket for easier and more intuitive installation. The adjustable tubing design allows for precise alignment directly to the CPU, optimizing cable routing and creating a cleaner internal layout.

Installation Steps

For full details, please refer to the user manual.



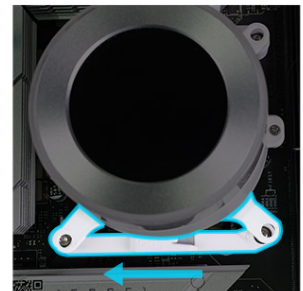
1. Install the CPU first.



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: Step-by-step visual guide for installing the CPU cooler pump head.

1. Install the CPU onto the motherboard.
2. Mount the water block bracket, ensuring the notch is aligned.
3. Use the included screwdriver to secure the bracket screws, ensuring the notch is on.
4. Attach the pump head from right to left and tighten the screws to secure it.

4. Cable Connections

The USB power and data cables are integrated directly into the cooling tubes, making your computer's interior more organized. Pre-installed with three tube support brackets, the water cooling tubes are neatly concealed.

Additionally, the USB power and data cables are integrated directly into the cooling tubes, leaving the cap completely wire-free—making your computer's interior more organized.



Pre-installed with three tube support brackets, the water cooling tubes are neatly concealed, while the exposed sections appear more organized—further enhancing the overall tidiness of the case interior.

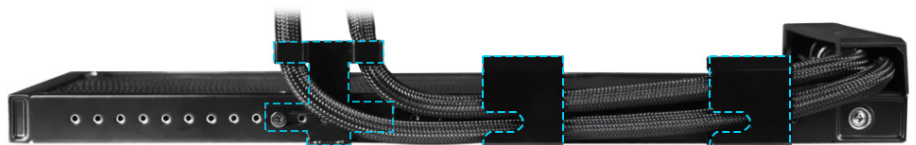


Image: Illustration of the integrated USB and power cables for a clean setup.

- **PWM Power Cable:** Connect the 4-pin cable to the AIO_PUMP or CPU_FAN header on your motherboard for stable power. If L-Connect 3 shows USB not detected and HydroShift II is not in Device Manager, it may be due to insufficient power. Enter your BIOS and set the connected PWM port (recommended CPU_FAN or AIO_PUMP or PUMP) to PWM/DC mode instead of Auto. Ensure the port is set to full speed.
- **USB 2.0 Cable:** Used for transferring media in Streaming Mode and advanced Wireless Mode. Basic wireless mode only supports JPG uploads. Users can choose to remove the USB 2.0 cable and operate in Offline or Wireless

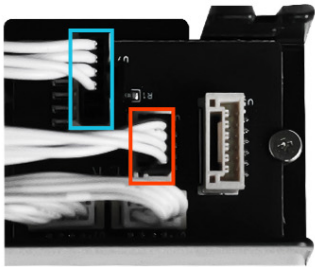
Mode only. The cover on the right side of the radiator can be removed to access cable connectors.

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.)

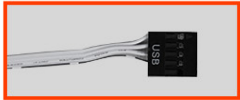


The cover, which is located on the right side of the radiator, can be removed to access cable connectors.



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 PWM 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: Detailed view of the PWM power cable and USB 2.0 cable connections.

OPERATING INSTRUCTIONS

The 2.1-inch round IPS LCD display features 480x480 resolution and 500-nit brightness for clear display. A 60Hz refresh rate ensures smooth animations.

Seamless Interaction, Complete Control

Experience vibrant visuals on the 2.1" IPS LCD, featuring a sharp 480×480 resolution and 500-nit brightness for clear display even in well-lit environments. A 60Hz refresh rate ensures smooth, fluid animations.

- 2.1" LCD screen
- 500-nit brightness
- SRGB 24-bit true color
- 480×480 resolution
- IPS panel
- 60Hz refresh rate

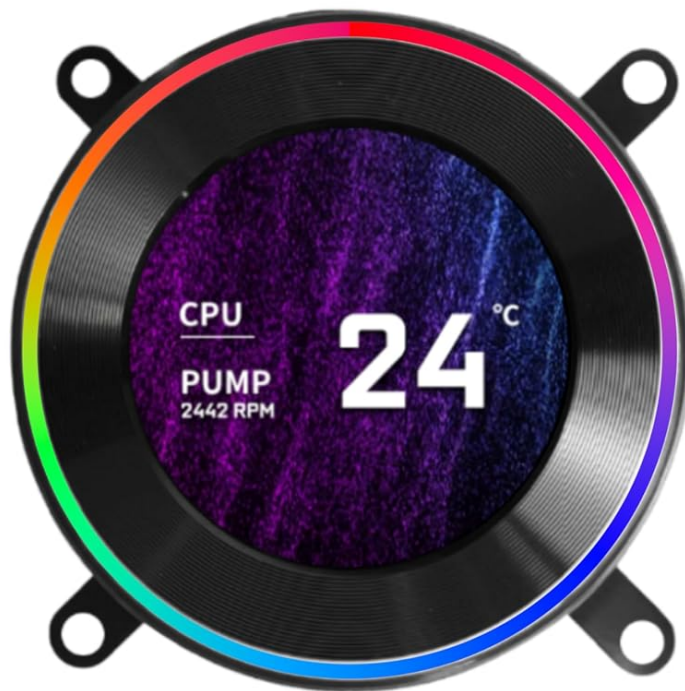


Image: The 2.1-inch IPS LCD screen on the pump head, showing CPU temperature and pump RPM.

Control Modes:

Three Modes, Different Experiences

1 Offline Mode (No USB Connection Required)



(Note: Only the CL wireless fan version supports synchronized lighting between the pump and fans.)

2 Wireless Mode (No USB Connection)



3 Streaming Mode (USB connected)



Image: Overview of the three distinct control modes for the cooler's LCD and lighting.

1. **Offline Mode (No USB Connection Required):** Adjust LED and LCD content using the rotatable cap. Rotating clockwise switches screen themes, and counter-clockwise adjusts lighting effects. Displays coolant temperature and pump speed.
2. **Wireless Mode (No USB Connection):** Adjust screen hardware info, background themes, and cap lighting effects wirelessly with the L-Wireless Controller. This mode allows syncing with other Lian Li wireless devices.
3. **Streaming Mode (USB Connected):** Connect via USB to fully customize settings using L-Connect 3 software. This mode supports various media formats like MP4 and GIF for personalized displays, offering full customization capabilities including video and photo uploads.

MAINTENANCE

To ensure the longevity and optimal performance of your liquid CPU cooler, consider the following general maintenance practices:

- **Dust Removal:** Periodically clean dust from the radiator fins and fans using compressed air. Ensure the system is powered off before cleaning.
- **Cable Inspection:** Regularly check all cables (PWM, USB) for secure connections and any signs of wear or damage.
- **Tubing Inspection:** Inspect the corrugated tubing for any kinks, leaks, or damage. The durable and flexible server-grade corrugated tubing is designed for reliability.
- **Coolant Level:** As this is a sealed AIO unit, there is no user-serviceable coolant refill. If you suspect a significant loss of coolant or performance degradation, contact customer support.

Specific maintenance instructions beyond general cleaning are not typically required for sealed AIO liquid coolers. Avoid disassembling the unit as this may void your warranty.

TROUBLESHOOTING

1. L-Connect 3 Software Not Detecting Cooler

If the L-Connect 3 software does not detect the Hydroshift II, and it is not visible in Device Manager, this often indicates insufficient power from the connected PWM port.

- **Action:** Enter your motherboard's BIOS settings.
- **Action:** Locate the connected PWM port (e.g., CPU_FAN, AIO_PUMP, or PUMP header).
- **Action:** Change the port's control mode from 'Auto' to 'PWM/DC Mode'.
- **Action:** Ensure the port is set to deliver full speed/power.

2. Unstable Background Scenarios / Firmware Issues

Some users have reported occasional instability with background scenarios or firmware. Ensure your L-Connect 3 software and cooler firmware are updated to the latest versions available from the Lian Li official website. Regular updates often address such issues.

3. Fans Ramping Up Randomly / System Freezing

If fans randomly ramp to full speed and the computer locks up, and re-applying the fan profile in L-Connect 3 temporarily resolves it, this suggests a software communication issue. Ensure:

- The USB 2.0 connection is secure and properly seated.
- The PWM cable is correctly connected to a motherboard header configured for full power (as described in '1. L-Connect 3 Software Not Detecting Cooler').
- L-Connect 3 software is up-to-date.
- No conflicting fan control software is running.

If issues persist, consider reinstalling the L-Connect 3 software or contacting Lian Li technical support.

SPECIFICATIONS

Feature	Specification
Product Dimensions	15.75 x 4.8 x 0.86 inches
Weight	6.64 Pounds

Model Number	HS2LCD36TB
Brand	Lian Li
Power Connector Type	4-Pin
Cooling Method	Water
Compatible Devices	Desktop
Noise Level	31 dB
Material	Aluminum
Maximum Rotational Speed	2400 RPM
UPC	840353048775
Number of Items	1 (Liquid cooler, UNI FAN TL Wireless x3)

WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product or visit the official Lian Li website. If you encounter any issues not covered in this manual or require technical assistance, please contact Lian Li customer support through their official channels.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question