

Lian Li HS2LCD36B

Lian Li Hydroshift II 360 Liquid CPU Cooler (HS2LCD36B) Instruction Manual

Model: HS2LCD36B

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Lian Li Hydroshift II 360 Liquid CPU Cooler. This all-in-one (AIO) liquid cooler features a 360mm radiator, a 2.1-inch IPS LCD screen, and a flexible slide-tube clamp coolant pathway designed for efficient CPU cooling.

Key features include:

- **2.1-inch IPS LCD Display:** A round display with 480x480 resolution and 500-nit brightness for clear visuals and system monitoring.
- **Three Control Modes:** Offline, Wireless, and Streaming modes offer versatile control options for LED and LCD content, hardware info, and customization.
- **Innovative Sliding Tube Clamp:** Allows for precise alignment of liquid cooling tubes and can be removed for specific installations.
- **Durable and Flexible Tubing:** Server-grade corrugated tubing enhances bendability and long-term reliability.
- **Broad Compatibility:** Supports Intel LGA 1851/1700 and AMD AM5/AM4 sockets.

WHAT'S IN THE BOX

The Lian Li Hydroshift II 360 Liquid CPU Cooler package includes:

- Lian Li Hydroshift II 360 Liquid CPU Cooler (Radiator, Pump, Tubing)
- Mounting hardware for Intel LGA 1851/1700
- Mounting hardware for AMD AM5/AM4
- USB connection cable
- PWM power cable
- Tube support brackets
- Mounting cover caps
- User Manual (this document)

Note: This specific model (HS2LCD36B) does not include cooling fans. Fans must be purchased separately.

SPECIFICATIONS

Model Number	HS2LCD36B
Product Dimensions	15.75 x 4.8 x 0.86 inches (400 x 122 x 24 mm)
Weight	5.09 Pounds
Compatible CPU Sockets	Intel LGA 1851/1700, AMD AM5/AM4
Cooling Method	Liquid (Water)
Radiator Material	Aluminum
Power Connector Type	4-Pin PWM
Maximum Pump Rotational Speed	2400 RPM
Noise Level	31 Decibels (Pump)
LCD Screen	2.1" IPS, 480x480 resolution, 500-nit brightness, 60Hz refresh rate
UPC	840353048799

Note: Specifications are subject to change without notice.

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. Please follow these steps carefully. For detailed visual guidance, refer to the included diagrams.

1. Prepare the CPU Socket

1. Ensure your CPU is correctly installed in its socket on the motherboard.
2. Clean the CPU surface with isopropyl alcohol to remove any residue.



Image: CPU correctly seated in the motherboard socket.

2. Install Mounting Brackets

Attach the appropriate mounting brackets for your CPU socket (Intel LGA 1851/1700 or AMD AM5/AM4) to the pump head. Ensure the notch on the bracket aligns correctly with the pump head.



Image: Attaching the water block bracket to the pump head, ensuring notch alignment.

Secure the bracket with the provided screws using a screwdriver. Double-check that the notch remains aligned.



Image: Using a screwdriver to secure the bracket screws.

3. Mount the Pump Head

Carefully place the pump head onto the CPU, ensuring even contact. Tighten the screws in a diagonal pattern to secure the pump head firmly but without excessive force.



Image: Attaching the pump head to the CPU and tightening screws.

4. Radiator and Tubing Installation

The Hydrosift II features an innovative side-mounted tubing design to reduce visual clutter. The USB power and data cables are integrated directly into the cooling tubes.



Image: Radiator showing integrated USB and power cables within the tubing.

Use the pre-installed tube support brackets to neatly conceal the water cooling tubes. These brackets help maintain an organized interior. The rightmost tube bracket can be fine-tuned at the 140mm position on the radiator mount for optimal

routing.



Image: Radiator with tube support brackets for organized cable routing.

5. Cable Connections

- **PWM Power Cable:** Connect the 4-pin PWM cable to a CPU_FAN, AIO_PUMP, or PUMP header on your motherboard. Ensure the BIOS setting for this port is set to "PWM/DC" mode (not Auto) and full speed for stable power.
- **USB 2.0 Cable:** Connect the USB 2.0 cable to an available USB 2.0 header on your motherboard. This is required for Streaming Mode and advanced wireless mode features, including media uploads.



Image: Close-up of the PWM power cable and USB 2.0 cable connections.

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



Image: Radiator cover that can be removed to access internal cable connectors.

6. Fan Installation (Optional, for models without pre-installed fans)

If your Hydroshift II 360 model did not come with pre-installed fans, attach your chosen 120mm fans to the radiator using the appropriate screws. Ensure the fan airflow direction is optimized for your case configuration (e.g., intake or exhaust).

7. Flexible Layout and Compatibility Considerations

The Hydroshift II is designed for flexible installation. Consider the following scenarios:

- **Scenario 1: Sufficient Clearance (e.g., O11 Vision Compact case)**
For cases with ample space between the radiator and motherboard, the standard installation with tube support brackets is suitable. The rightmost tube bracket can be adjusted.

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.)

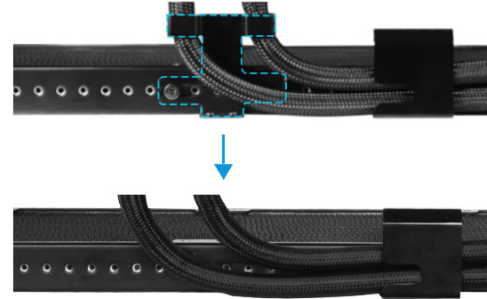


Image: Installation in a case with sufficient clearance, showing adjustable tube bracket.

• **Scenario 2: Limited Clearance (e.g., LANCOOL 216 case)**

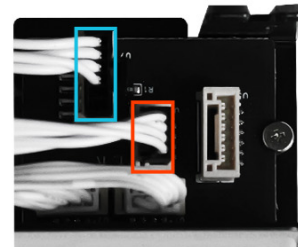
If clearance is limited, the vertical bracket may need to be repositioned directly behind the CPU. Excess tubing should be routed behind the radiator. The leftmost tubing support bracket might need to be removed.

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: Installation in a case with limited clearance, showing repositioned vertical bracket and tubing routing.

• **Scenario 3: Tight Clearance (e.g., LANCOOL 207 case)**

In very tight spaces, you may need to remove both the vertical bracket and reposition both tubing support brackets. Excess tubing should be routed behind the radiator. Tube clips can be installed depending on available space.



Mounting Cover Caps

Conceal screws and brackets for a unified, clean aesthetic.

Cable Management Clips

Keep coolant tubing organized for a neater and more streamlined build.



Industrial-Grade Corrugated Tubing

Flexible and durable for easy routing across different cases. Designed to bend freely to either side for optimized cable paths and convenience.



OPERATION AND CONTROL MODES

The Lian Li Hydroshift II 360 offers three distinct control modes for its 2.1-inch IPS LCD screen and lighting effects.

1. Offline Mode (No USB Connection Required)

In Offline Mode, you can adjust LED and LCD content directly using the rotatable cap on the pump. Rotate the transparent outer ring to switch screen themes (clockwise) or adjust lighting effects (counter-clockwise). This mode displays essential information like coolant temperature and pump speed without needing a USB connection.



Image: Visual representation of Offline Mode, showing control via the rotatable pump cap.

2. Wireless Mode (No USB Connection)

Utilize the L-Wireless Controller (sold separately or included with specific models) to wirelessly adjust screen content, select hardware information to monitor, and synchronize lighting effects with other Lian Li wireless devices. This mode offers convenient remote control without a direct USB connection to the PC.

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.

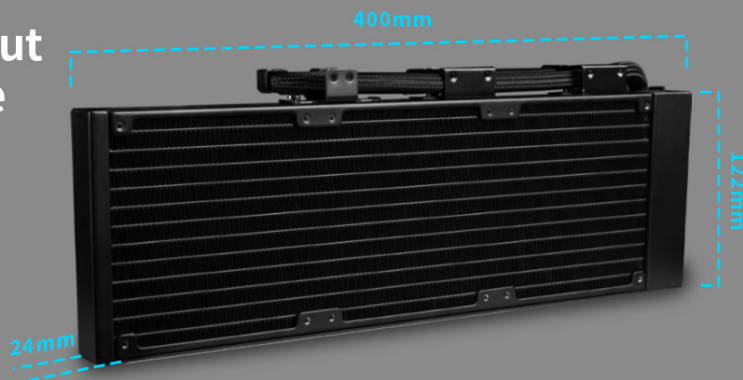
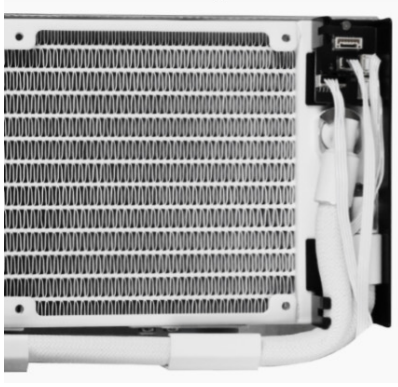


Image: Diagram illustrating Wireless Mode control using the L-Wireless Controller.

For advanced customization in Wireless Mode, connect the USB cable. This allows for full customization capabilities, including video and photo uploads, modular assets, and theme selection, while maintaining wireless lighting

synchronization.

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.

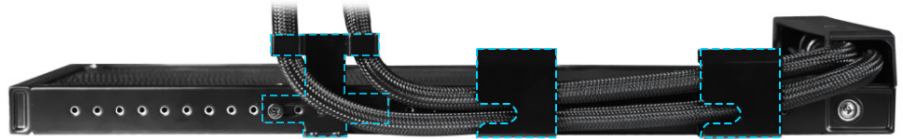


Image: Screenshot of L-Connect 3 software interface for advanced wireless mode customization.

3. Streaming Mode (USB Connected)

Connect the Hydroshift II via USB to your PC to unlock full customization through the L-Connect 3 software. This mode supports various media formats like MP4 and GIF for personalized displays, allowing for extensive control over the LCD screen's content and effects.

Precision Fit, Effortless Alignment

Hydroshift I LCD-C is engineered with both aesthetics and flexibility in mind. Its innovative adjustable tubing design allows for precise alignment directly to the CPU, optimizing cable routing and creating a cleaner internal layout. The result is a sleek, streamlined build that adds refined character to any PC.



Note: Users can fine-tune the rightmost tube bracket at the 140mm position on the radiator mount.

Image: Screenshot of L-Connect 3 software interface for Streaming Mode customization.

MAINTENANCE

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

- **Dust Removal:** Periodically clean the radiator fins and any installed fans with compressed air to prevent dust buildup, which can impede cooling performance.
- **Tubing Inspection:** Visually inspect the tubing for any signs of kinks, leaks, or damage. Ensure all connections are secure.
- **Pump Head Cleaning:** Gently wipe the pump head and LCD screen with a soft, dry cloth to remove dust or fingerprints. Avoid using abrasive cleaners.
- **Software Updates:** Keep the L-Connect 3 software updated to the latest version to benefit from performance

improvements, new features, and bug fixes.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Lian Li Hydroshift II 360 Liquid CPU Cooler.

Issue: L-Connect 3 does not detect the cooler or USB is not detected.

Possible Cause: Insufficient power from the connected PWM port or incorrect BIOS settings.

Solution:

1. Enter your motherboard's BIOS settings.
2. Locate the settings for the PWM port where the cooler's 4-pin cable is connected (e.g., CPU_FAN, AIO_PUMP, or PUMP).
3. Change the control mode for this port from "Auto" to "PWM/DC" mode.
4. Ensure the port is set to run at "Full Speed" to provide adequate power.
5. Verify the USB 2.0 cable is securely connected to both the cooler and the motherboard header.

Issue: High CPU temperatures.

Possible Cause: Improper installation, insufficient thermal paste, dust buildup, or pump malfunction.

Solution:

- Re-check pump head installation to ensure even contact with the CPU.
- Verify that thermal paste was applied correctly and adequately.
- Clean the radiator fins and fans (if installed) to remove dust.
- Ensure the pump is receiving power and operating (check pump speed in L-Connect 3 or via Offline Mode).
- Confirm fans (if installed) are spinning and correctly oriented for airflow.

Issue: Unusual noises from the cooler.

Possible Cause: Air bubbles in the loop, fan noise, or pump issue.

Solution:

- Orient the radiator higher than the pump head to allow air bubbles to collect in the radiator, not the pump.
- Gently tilt your PC case while running to help dislodge air bubbles.
- Check if the noise is coming from the fans; ensure they are securely mounted and not obstructed.
- If the noise persists and sounds like grinding or excessive rattling from the pump, contact customer support.

WARRANTY AND SUPPORT

Lian Li products are manufactured to high-quality standards. For warranty information, please refer to the warranty card included with your product or visit the official Lian Li website. Keep your proof of purchase for warranty claims. For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Lian Li customer service through their official website or the contact information provided in your product packaging.

Lian Li Official Website: www.lian-li.com

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

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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