

## Lian Li HS2LCDS36TW

# Lian Li Hydroshift II-S LCD 360TL ARGB Liquid CPU Cooler User Manual

Model: HS2LCDS36TW

## 1. INTRODUCTION

The Lian Li Hydroshift II-S LCD 360TL ARGB Liquid CPU Cooler is an advanced all-in-one (AIO) liquid cooling solution designed for high-performance computing systems. It features a 3.4-inch IPS LCD screen for real-time system monitoring and customization, along with addressable RGB (ARGB) lighting for aesthetic integration. This cooler is compatible with a wide range of Intel and AMD CPU sockets, providing efficient thermal management for your desktop system.

### Key Features:

- **3.4" IPS LCD with Two Control Modes:** Features a 480x480 resolution, 500 nits brightness, and 60Hz refresh rate. Users can select between Wireless Mode for remote theme and lighting control, or Advanced USB-connected Mode for comprehensive customization via L-Connect 3 software.
- **Adjustable Tube Routing:** An innovative sliding tube clamp allows for precise tube alignment, improving aesthetics and simplifying installation. The clamp is mounted on the radiator side and can attach to a 140mm fan bracket.
- **Compact and Efficient Radiator:** The slim 24mm thick radiator (400x122x24mm) ensures broad case compatibility while maintaining excellent cooling performance.
- **Hot-Swappable Screen:** The display can be easily replaced without powering down the system, thanks to its magnetically guided, pogo-pin connection.
- **Pre-Installed X3 TL120 ARGB Fans:** Includes three TL120 ARGB fans with a speed range of 0-2600 RPM, 90.1 CFM airflow, 3.97 mmH<sub>2</sub>O static pressure, and a 33 dBA noise level, with ARGB control.

## 2. WHAT'S IN THE BOX

The Lian Li Hydroshift II-S LCD 360TL ARGB Liquid CPU Cooler package includes the following components:

- Lian Li Hydroshift II-S LCD 360TL ARGB Liquid CPU Cooler unit (radiator, pump, tubing, and pre-installed fans)
- Mounting hardware for Intel LGA 1851/1700 and AMD AM5/AM4 sockets
- L-Wireless Controller (for TL Wireless models)
- USB 2.0 Cable
- PWM Power Cable

- Accessory Box (containing screws, brackets, and other small parts)
- User Manual

**Video Description:** An unboxing video of the Hydroshift II-S 360 AIO water cooler, showing the contents of the retail package. This video provides a visual guide to what is included with your purchase.

## 3. SETUP AND INSTALLATION

Follow these steps to properly install your Lian Li Hydroshift II-S LCD 360TL ARGB Liquid CPU Cooler.

### 3.1. Prepare the Motherboard

1. For AMD AM4/AM5 sockets, remove the original retention brackets from the motherboard. For Intel sockets, ensure the correct backplate is in place.
2. Install the appropriate mounting standoffs for your CPU socket type.

**Video Description:** A detailed installation guide for the Hydroshift II-S, demonstrating the steps for mounting the cooler onto a motherboard. This video covers bracket installation and pump block placement.

### 3.2. Install the Pump Block

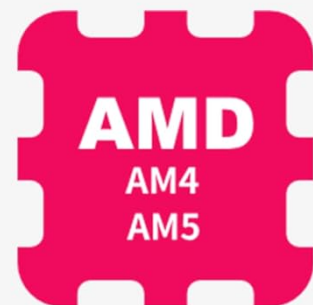
1. Apply thermal paste to the CPU's integrated heat spreader (IHS) if not pre-applied on the cold plate.
2. Carefully place the pump block onto the CPU, ensuring proper alignment with the mounting holes.
3. Secure the pump block using the provided thumb screws. Tighten them in a cross pattern until snug, but do not overtighten.

# BROAD COMPATIBILITY, SEAMLESS SUPPORT

The HydroShift II LCD-S AIO offers easy installation and broad CPU socket compatibility, featuring an upgraded AM4/AM5 bracket that ensures even pressure and improved thermal performance.



Compatible Platforms



Compatible Platforms

**Image Description:** A close-up view of the redesigned mounting bracket for the CPU liquid cooler, highlighting its secure installation mechanism on the motherboard. This bracket ensures stability and ease of setup.

### 3.3. Mount the Radiator and Fans

1. Mount the radiator to an available fan bracket in your PC case (e.g., top, front, or side). Ensure adequate clearance.
2. If your model did not come with pre-installed fans, attach the TL120 ARGB fans to the radiator using the provided screws.
3. Utilize the adjustable tube clamp on the radiator to route the tubing neatly and securely, enhancing cable management and aesthetics.

# DYNAMIC INTERACTION, COMPLETE CONTROL



3.4" IPS Display



500 nits Brightness,  
24-bit Color



60 Hz Refresh Rate



**Image Description:** An illustration showing the compact dimensions of the Lian Li Hydroshift II-S LCD 360TL radiator (400mm x 122mm x 24mm) installed within a PC case, emphasizing its compatibility and efficient design.

## 3.4. Connect Cables

1. Connect the PWM power cable from the pump to the CPU\_FAN header on your motherboard.
2. Connect the USB 2.0 cable from the pump to an available USB 2.0 header on your motherboard for L-Connect 3 software control.
3. Connect the ARGB cables from the fans to the L-Wireless Controller or directly to an ARGB header on your motherboard, if applicable.



**Image Description:** A close-up of the radiator showing integrated USB power and data cables, designed for a cleaner and more refined interior by minimizing visible wires.

### 3.5. Install the LCD Screen

1. Align the LCD screen with the pogo pins on the pump block.
2. The screen will magnetically snap into place, establishing a secure connection.

**Video Description:** A demonstration video showcasing the magnetic hot-swap installation of the Hydroshift II-S LCD screen onto the pump block. This highlights the ease of attaching and detaching the display.

## 4. OPERATING THE LCD SCREEN AND SOFTWARE

The Hydroshift II-S LCD screen offers multiple operating modes for monitoring and customization.

### 4.1. LCD Control Modes

- **Offline Mode (No USB Connection):** Operates with preset themes to monitor coolant temperature and pump speed. No cables or system resources are required for basic functionality. *Note: Lighting themes and effects cannot be changed in offline mode.*
- **Wireless Mode (L-Wireless Controller Connection):** Connects through the L-Wireless 2.4G Controller (included with TL Wireless models) to customize screen themes, parameters, and lighting effects via L-Connect 3 software. This mode also allows for lighting synchronization with other wireless products, reducing cable clutter.
- **Streaming Mode (USB Connection):** Connect via USB to gain full control through L-Connect 3. Easily switch screen themes, upload custom images or videos, and design personalized layouts. The display functions as a dynamic secondary screen with enhanced functionality and visual appeal.



**Image Description:** A visual representation of the three operating modes for the Hydroshift II-S LCD screen: Offline Mode for basic monitoring, Wireless Mode for remote control, and Streaming Mode for full customization via USB.

## 4.2. L-Connect 3 Software

The L-Connect 3 software provides intuitive control and extensive customization options for your cooler's LCD screen and ARGB lighting. It allows for:

- Fast theme switching and layout customization.
- Integrated hardware monitoring.
- Screenshot and video recording of the display.
- Customization with 3D effects, sensor-based visuals, overlays, and watermarks.



**Image Description:** A screenshot of the L-Connect 3 software interface, demonstrating the various options for customizing the LCD screen, including themes, layouts, and monitoring widgets.

## 5. MAINTENANCE

To ensure optimal performance and longevity of your Lian Li Hydroshift II-S LCD 360TL ARGB Liquid CPU Cooler, periodic maintenance is recommended:

- **Dust Removal:** Regularly 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.

- **Cable Management:** Periodically check all cable connections to ensure they are secure and not obstructing airflow.
- **Coolant Check:** As this is a closed-loop AIO system, no user-serviceable coolant refills are required. However, monitor the coolant temperature via the LCD screen or L-Connect 3 to ensure it remains within normal operating parameters.
- **Screen Cleaning:** Gently wipe the LCD screen with a soft, lint-free cloth to remove fingerprints or dust. Avoid abrasive materials or harsh chemicals.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Hydroshift II-S LCD 360TL ARGB Liquid CPU Cooler.

### 6.1. No Display on LCD Screen

- Ensure the LCD screen is securely attached to the pump block via its magnetic pogo-pin connection.
- Verify that the USB 2.0 cable is properly connected from the pump to the motherboard header.
- If using Wireless Mode, ensure the L-Wireless Controller is correctly installed and recognized.
- Check L-Connect 3 software settings to ensure the display is enabled and configured correctly.

### 6.2. High CPU Temperatures

- Confirm the pump block is securely mounted to the CPU and making good contact. Re-apply thermal paste if necessary.
- Ensure fans are spinning correctly and are not obstructed by dust or cables.
- Check fan speed and pump speed settings in L-Connect 3 or your motherboard's BIOS. Ensure they are set to an appropriate performance profile.
- Verify that the radiator is receiving adequate airflow and is not blocked.

### 6.3. ARGB Lighting Not Working

- Check all ARGB cable connections from the fans to the L-Wireless Controller or motherboard ARGB header.
- Ensure the L-Wireless Controller (if used) is powered and connected.
- Verify ARGB settings within L-Connect 3 software or your motherboard's RGB control software.

## 7. SPECIFICATIONS

Feature	Specification
Product Name	Hydroshift II-S 360 TL
Model Number	HS2LCDS36TW
Color	White



Feature	Specification
Pump Speed	0, 200-2600 RPM
Noise Level	33 dBA
Water Block Dimensions	91 x 99 x 62mm
LCD Refresh Rate	60Hz
LCD Panel Resolution	480x480
Brightness	500 nit
Radiator Size	400x122x24mm
Radiator Material	Aluminum
Tubing Length	450/470mm
Fan Size	124x120x28mm
Fan Speed	0, 200-2600 RPM
Fan Pressure	3.97 mmH2O
Airflow	90.1 CFM
Bearing Type	Fluid Dynamic Bearing (FDB)
CPU Socket Support	Intel: LGA1700, LGA1851; AMD: AM4, AM5
Hardware Protection	6 Years

## 8. WARRANTY AND SUPPORT

Lian Li offers a comprehensive 6-year hardware protection plan for the Hydroshift II-S LCD 360TL ARGB Liquid CPU Cooler, ensuring lasting confidence and smooth performance.

### 8.1. AIO Cooler Protection Policies

- Leakage Issues:** If a product quality issue (non-human damage) causes leakage during the hardware protection period, Lian Li provides full liquid damage coverage.
- Proof of Purchase:** Customers must provide a valid purchase record and receipt to confirm the product was purchased through an authorized retailer.
- Product Return:** The product must be returned to Lian Li for inspection. If confirmed to be a quality issue (non-human damage), Lian Li will provide repair or replacement service handled by a dedicated support representative.

### 8.2. Compensation Policy (for Leakage Issues)

If a non-human-related leakage issue causes damage to internal computer components (excluding data loss), compensation



will be provided according to the following terms:

- **Depreciation Calculation:** Hardware compensation is calculated with a 15% annual depreciation rate.
- Year 1: 100% of hardware value
- Year 2: 85% of hardware value
- Year 3: 70% of hardware value
- Year 4: 55% of hardware value
- Year 5: 40% of hardware value
- Year 6: 25% of hardware value



**Image Description:** An infographic detailing Lian Li's AIO Cooler Protection Policies, including terms for leakage issues, proof of purchase, product return, and the compensation policy with annual depreciation rates.