ID-COOLING SL360 PRO SE

ID-COOLING SL360 PRO SE AIO CPU Liquid Cooler User Manual

Comprehensive guide for installation, operation, and maintenance.

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ID-COOLING SL360 PRO SE 360mm AIO CPU Liquid Cooler. Please read this manual thoroughly before installation to ensure proper setup and optimal performance.

The ID-COOLING SL360 PRO SE is a premium All-In-One (AIO) liquid CPU cooler designed for high-performance computing systems. It features a customizable 2.1" LCD display, efficient cooling with three AS-120 silent fans, and broad compatibility with Intel and AMD sockets.

2. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- SL360 PRO SE Radiator with Integrated Pump and LCD Display
- 3 x AS-120 Silent Fans
- Intel Mounting Hardware (Backplate, Brackets, Standoffs, Nuts)
- AMD Mounting Hardware (Longer Brackets, Shorter Brackets, Standoffs, Nuts)
- Thermal Grease
- Fan Screws
- USB 2.0 Cable
- ARGB 5V 3Pin Cable
- Pump Power Cable
- Fan Extension Cables (Daisy Chain)

Figure 2.1: ID-COOLING SL360 PRO SE AIO CPU Liquid Cooler components.

This image displays the main components of the ID-COOLING SL360 PRO SE, including the radiator with the integrated pump and LCD display, and the three AS-120 fans.

3. INSTALLATION GUIDE

Follow these steps carefully for proper installation. Refer to the provided video for visual guidance.

3.1. General Installation Steps (Intel & AMD)

1. **Step 1: Prepare Motherboard Backplate (Intel) / Remove Retention Frame (AMD)**

   For Intel LGA1851/1700/1200/115X sockets, adjust the Intel backplate screws to the corresponding positions (pull outward for LGA1851/1700, pull inward for LGA1200/115X). Remove the adhesive backing and install it on the back of the motherboard.

   For AMD AM4/AM5 sockets, remove the original AMD plastic retention frame, but keep the stock backplate. The stock backplate is needed for AMD installations.
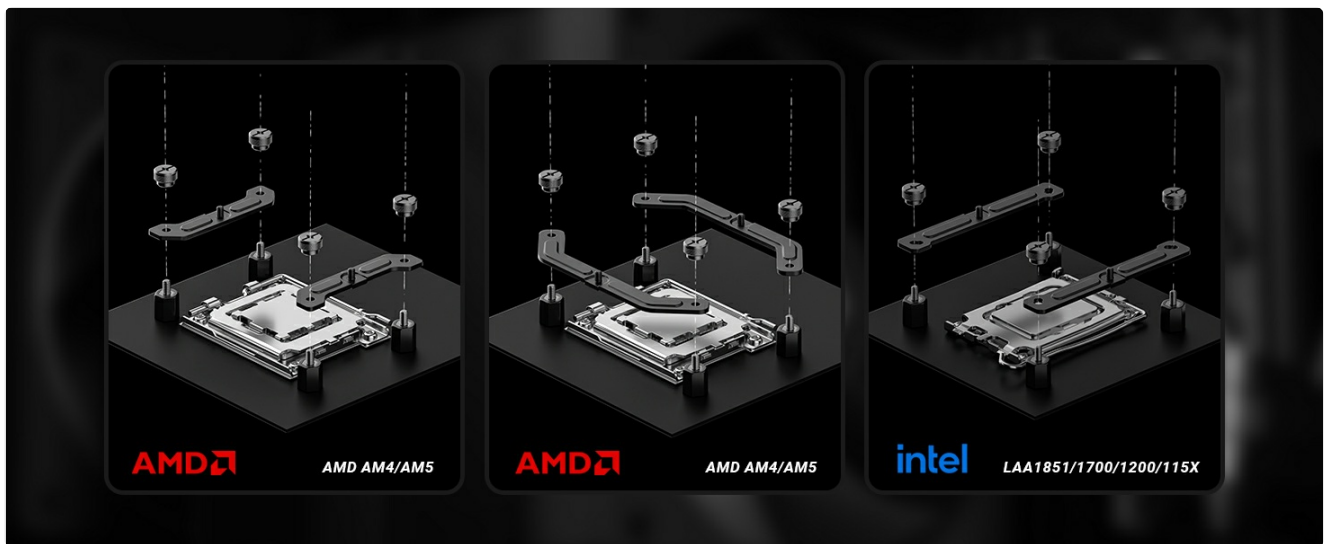
Figure 3.1: Universal Mounting Kits for Intel and AMD sockets.

This image shows the various mounting components included for both Intel and AMD platforms, including backplates, brackets, standoffs, and screws.

2. **Step 2: Install Standoffs and Brackets**

   Install the appropriate standoffs and Intel or AMD brackets in sequence. Secure them with the provided screw nuts. Ensure the brackets are oriented correctly for your CPU socket type.

3. **Step 3: Apply Thermal Paste and Prepare Water Block**

   Clean the CPU surface thoroughly. Apply a small amount of the included thermal paste to the center of the CPU's integrated heat spreader (IHS). Peel off the protective sticker from the bottom of the water block (cold plate).

Figure 3.2: Application of thermal paste on the CPU surface.

This image demonstrates the correct method for applying thermal paste to the CPU before mounting the water block.

4. **Step 4: Mount Water Block**

   Carefully mount the water block onto the installed brackets, aligning the holes. Tighten the mounting screws in a diagonal pattern until snug. Do not overtighten.

5. **Step 5: Attach Fans to Radiator**

   Attach the three AS-120 fans to the radiator using the provided fan screws. Ensure the fan airflow direction is appropriate for your case's cooling setup (typically blowing air through the radiator and out of the case, or into the case).

Figure 3.3: AS-120 fans mounted on the radiator.

This image illustrates the three fans securely attached to the radiator, ready for installation into the PC case.

6. **Step 6: Cable Connections**

The fans feature daisy chain connectors for simplified cable management. Link the fans together using these connectors. Then, connect the end of the fan daisy chain to the extension cable.

The water block has three main cables:

- **USB 2.0:** Connect the 9-pin USB 2.0 connector to an available USB 2.0 header on your motherboard. This is essential for LCD display control and software communication.
- **ARGB 5V 3Pin:** Plug the 3-pin ARGB connector into your motherboard's 5V 3-pin ARGB header. This controls the RGB lighting on the pump.
- **PUMP (3-Pin Power):** Connect the 3-pin power cable into the motherboard's AIO PUMP or CPU_OPT header. If neither is available, a standard CPU_FAN header can be used, but ensure it provides constant 12V power for optimal pump performance.
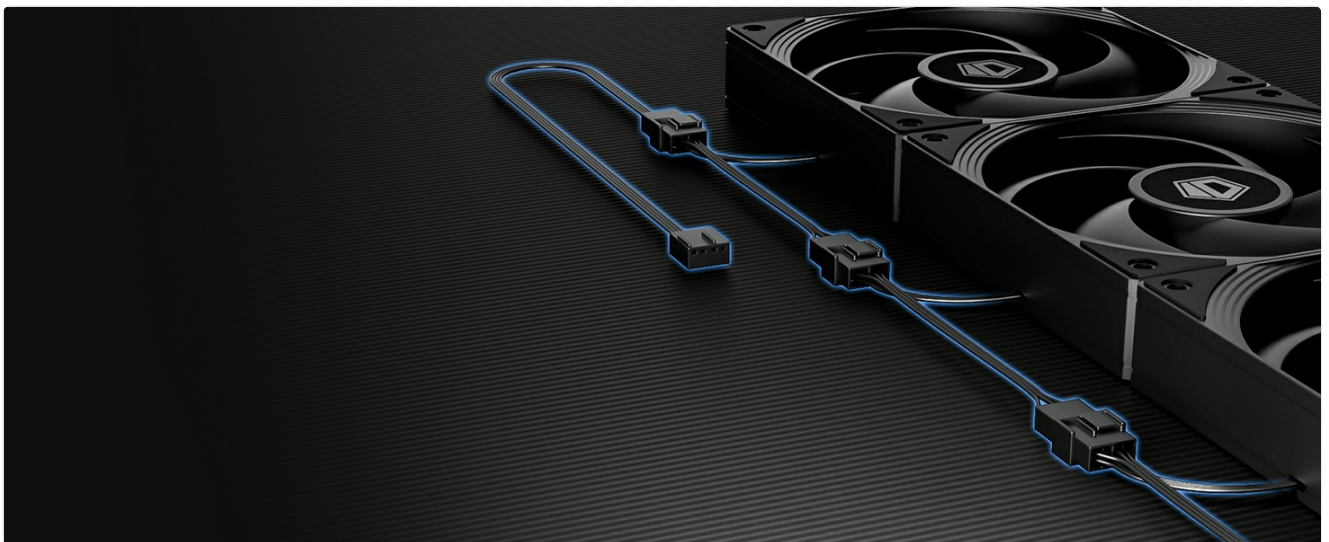

Figure 3.4: Daisy chain connectors for simplified fan wiring.

This image illustrates how the fans connect to each other using daisy chain connectors, reducing cable clutter.

Figure 3.5: Close-up of the 2.1" LCD display on the pump.

This image highlights the 2.1" LCD display, capable of showing real-time system metrics like CPU and GPU temperatures.

3.2. Installation Video Guide

For a detailed visual walkthrough of the installation process, please refer to the official installation guide video below:

Your browser does not support the video tag.

Video 3.1: Installation Guide for SL360 PRO SE.

This video provides step-by-step instructions for installing the ID-COOLING SL360 PRO SE liquid cooler, covering both Intel and AMD platforms.

4. OPERATION AND SOFTWARE

The ID-COOLING SL360 PRO SE features a customizable LCD display and requires dedicated software for full functionality.

4.1. Software Installation and Features

Download the "SPACE" software from the official ID-COOLING website. This software allows you to:

- Customize the 2.1" LCD dashboard with images, GIFs, or MP4 videos.
- Monitor real-time performance metrics such as CPU temperature, GPU temperature, fan speeds, and pump RPM.
- Switch between various display options and graphic styles.

Figure 4.1: ID-COOLING SPACE software interface.

This image shows the user interface of the ID-COOLING SPACE software, demonstrating its capabilities for customizing the LCD display and monitoring system performance.

4.2. Performance Overview

The SL360 PRO SE is designed for extreme cooling performance. Key features include:

- **Powerful Pump:** The latest GEN 7 pump operates at 2900RPM±10% for excellent heat dissipation.
- **Silent Fans:** Three AS-120 fans provide quiet operation and stable performance. Max. Air Pressure: 1.94mmH2O | Max. Air Flow: 58CFM. Noise Level: 27.2 dB.

Your browser does not support the video tag.

Video 4.2: SL360 PRO SE Overview.

This video provides a brief overview of the ID-COOLING SL360 PRO SE's features and performance capabilities.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your liquid cooler.

- **Dust Removal:** Periodically clean dust from the radiator fins and fan blades using compressed air. Ensure fans are not spinning during cleaning.
- **Cable Management:** Ensure all cables are neatly routed and secured to prevent interference with fan blades or other components.
- **Thermal Paste:** While not frequently required, if you ever remount the water block, clean off old thermal paste and apply new thermal paste.
- **Liquid Check:** AIO coolers are sealed systems and do not typically require liquid refills. If you notice any leaks or significant performance degradation, contact support.

6. TROUBLESHOOTING

If you encounter issues, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
High CPU Temperatures	Insufficient thermal paste application. Water block not properly seated. Fans not spinning or incorrectly oriented. Dust buildup on radiator.	Reapply thermal paste. Re-seat and tighten water block screws diagonally. Check fan connections and orientation. Clean radiator fins.
LCD Display Not Working	USB 2.0 cable not connected or loose. Software not installed or running. Software driver issues.	Ensure USB 2.0 cable is securely connected to motherboard header. Install and run ID-COOLING SPACE software. Reinstall software or check for driver updates.
Fans Not Spinning / RGB Not Lighting Up	Fan cables not connected or loose. ARGB cable not connected or loose. Motherboard headers not providing power.	Check all fan daisy chain connections and extension cables. Ensure ARGB 5V 3Pin cable is connected to the correct header. Verify motherboard BIOS settings for fan headers.

If the issue persists after attempting these solutions, please contact ID-COOLING customer support.

7. SPECIFICATIONS

Feature	Detail
Model	SL360 PRO SE
Radiator Size	360mm
LCD Display	2.1" (480x480 resolution)
Fan Model	AS-120 Silent Fans
Max. Air Flow	58 CFM
Max. Air Pressure	1.94 mmH2O
Noise Level	27.2 dB (Max)
Pump Speed	2900 RPM ±10%
Compatibility (Intel)	LGA1851/1700/1200/1151/1150/1155/1156
Compatibility (AMD)	AM5/AM4
Material	Aluminum (Radiator)
Product Dimensions	4.72"L x 0.98"W x 4.72"H (Fan)

8. WARRANTY AND SUPPORT

For warranty information and technical support, please visit the official ID-COOLING website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.
Manufacturer: ID-COOLING
Website: www.idcooling.com (Example, please refer to actual product documentation for official website)