ID-COOLING FX360 LCD PE

ID-COOLING FX360 LCD PE 360mm AIO Liquid CPU Cooler User Manual

Model: FX360 LCD PE | Brand: ID-COOLING

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ID-COOLING FX360 LCD PE 360mm AIO Liquid CPU Cooler. This high-performance cooler is designed to provide efficient thermal management for demanding CPUs, featuring a full-color LCD display for system monitoring and personalization.

2. PRODUCT FEATURES

- **Stunning Full-Color LCD Display & ARGB Ring:** Equipped with a 1.48″ (240×240 px) full-color LCD screen (18-bit, 262K colors) and a vivid ARGB lighting ring on the pump head for system stats, custom graphics, or personalized animations.

- **Extreme Cooling Performance:** Features a 396×120×27 mm aluminum radiator and rated for up to 350W Thermal Design Power (TDP), designed to handle demanding CPUs.

- **High-Airflow Fans & Premium Pump Design:** Includes three 120 mm fans (0–2450 RPM) boasting up to 88.75 CFM airflow and 4.35 mmH₂O static pressure. The pump uses a ceramic bearing, 2900 RPM max, and operates quietly at approximately 25 dB(A).

- **Universal Compatibility:** Supports current Intel sockets LGA1851/1700/1200/115X and AMD AM5/AM4 platforms.

- **Refined Build Quality:** Copper cold-plate ensures efficient heat transfer; premium sleeved tubing, sleek pump top with custom display capability, and high-density radiator design deliver both performance and aesthetics.

3. SETUP AND INSTALLATION

The ID-COOLING FX360 LCD PE is designed for straightforward installation across various Intel and AMD platforms. Ensure your system is powered off and disconnected from the power source before beginning installation.

3.1 Unboxing and Component Check

Carefully unpack all components and verify against the parts list in your physical manual. The package includes universal mounting brackets for Intel and AMD CPUs, thermal paste, and the pre-assembled radiator with fans.

Image: Included mounting hardware for various CPU sockets, ensuring easy installation.

3.2 Mounting the Radiator and Fans

1. Identify the appropriate mounting location in your PC case (typically top or front for 360mm radiators).
2. The three 120mm fans are pre-installed on the radiator. Secure the radiator to your case using the provided screws.

3.3 Installing the CPU Water Block

1. Attach the correct mounting brackets for your CPU socket (Intel LGA1851/1700/1200/115X or AMD AM5/AM4) to the water block.
2. Apply a small amount of thermal paste to the center of your CPU's Integrated Heat Spreader (IHS).
3. Carefully place the water block onto the CPU, aligning the mounting holes. Secure it with the provided thumb screws, tightening them in a cross pattern until snug.

3.4 Cable Connections

1. Connect the pump's 3-pin or 4-pin connector to the CPU_FAN or AIO_PUMP header on your motherboard.
2. Connect the fan's 4-pin PWM connector to a fan header on your motherboard (e.g., SYS_FAN).
3. Connect the USB 2.0 header cable from the pump to an available USB 2.0 header on your motherboard. This is essential for LCD display functionality and software control.
4. Connect the ARGB cable from the pump to a 5V 3-pin ARGB header on your motherboard for lighting synchronization.

4. OPERATING THE LCD DISPLAY AND SOFTWARE

The FX360 LCD PE features a customizable 1.48-inch full-color LCD display on the pump head, allowing you to monitor system performance or personalize your build with custom visuals.
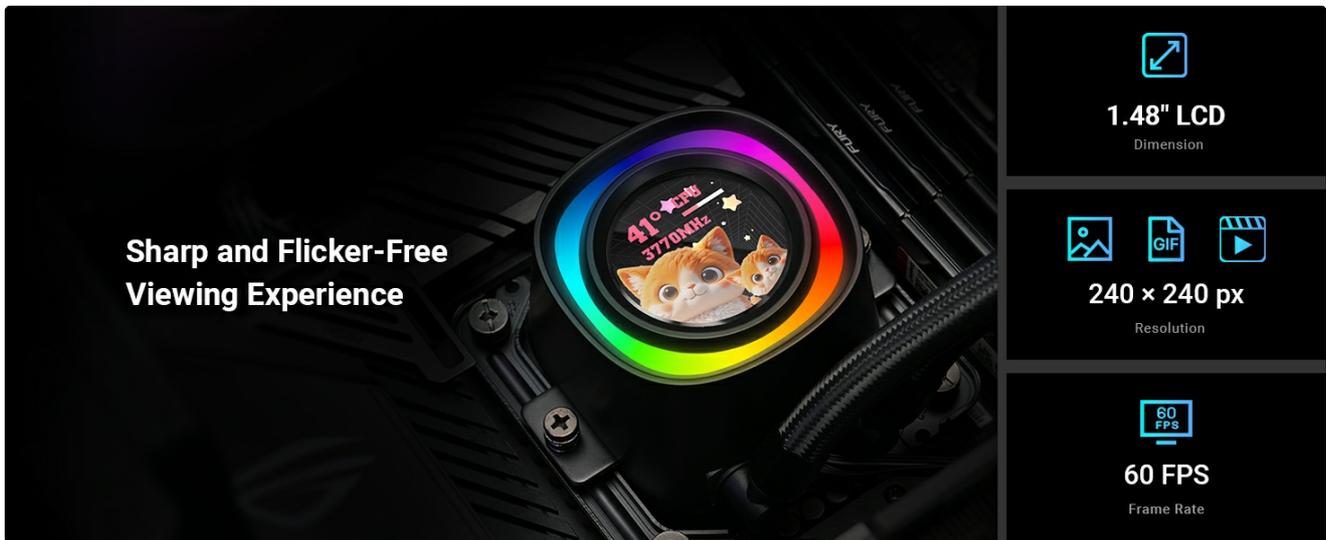
Sharp and Flicker-Free Viewing Experience

1.48" LCD
Dimension

240 × 240 px
Resolution

60 FPS
Frame Rate

Image: The fully customizable LCD display allows for personalized images, GIFs, or videos.

4.1 Software Installation

To unlock the full potential of the LCD display and control ARGB lighting, download and install the official ID-COOLING software from the manufacturer's website. The software allows for:

- **Real-Time Performance Monitoring:** Display CPU frequency, CPU/GPU usage, time, pump speed, CPU fan speed, and temperature.
- **Custom Images & GIFs:** Upload personal photos, favorite logos, artwork, or animated GIFs.
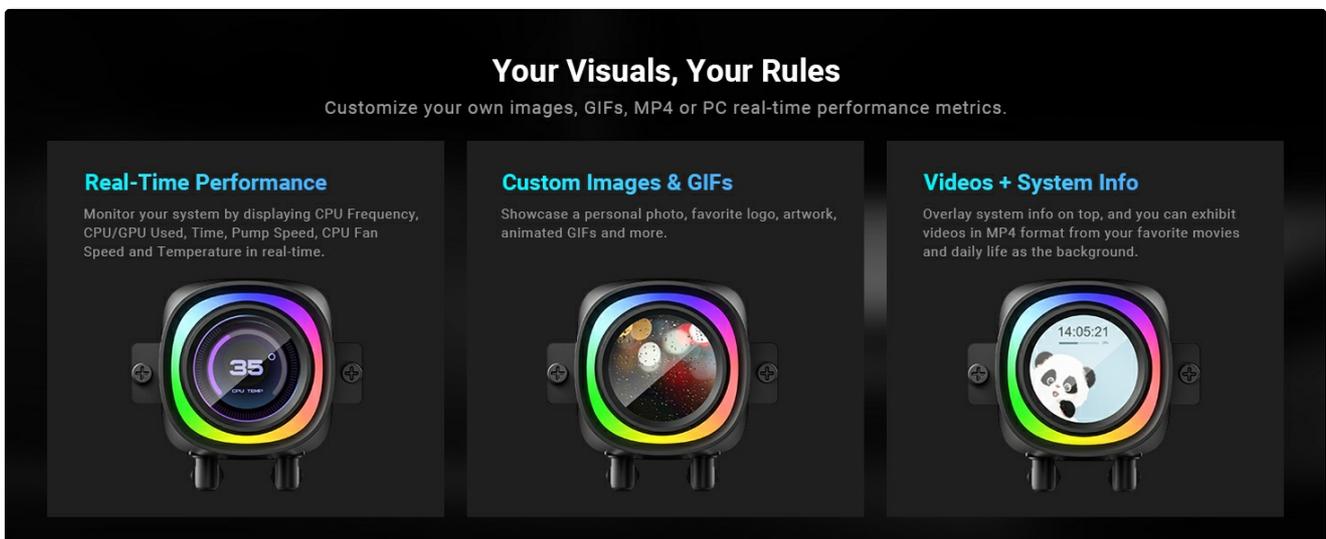- **Videos + System Info:** Overlay system information on top of MP4 videos.

Your Visuals, Your Rules
Customize your own images, GIFs, MP4 or PC real-time performance metrics.

Real-Time Performance
Monitor your system by displaying CPU Frequency, CPU/GPU Used, Time, Pump Speed, CPU Fan Speed and Temperature in real-time.

Custom Images & GIFs
Showcase a personal photo, favorite logo, artwork, animated GIFs and more.

Videos + System Info
Overlay system info on top, and you can exhibit videos in MP4 format from your favorite movies and daily life as the background.

Image: The ID-COOLING software allows for comprehensive customization and monitoring.

4.2 Customizing the Display

Once the software is installed, launch it to access the customization options. You can select from pre-set themes, upload your own media, or configure real-time system metrics to be displayed on the 1.48-inch LCD screen. The ARGB ring can also be synchronized with your motherboard's lighting software or controlled independently through the ID-COOLING application.

Video: An overview of the ID-COOLING FX360 LCD PE, showcasing its features and customizable display.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your AIO cooler.

- **Dust Cleaning:** Periodically clean the radiator fins and fan blades with compressed air to prevent dust buildup, which can impede airflow and cooling efficiency.
- **Check Connections:** Ensure all cables (power, fan, USB, ARGB) remain securely connected to the motherboard and pump.
- **Inspect Tubing:** Visually inspect the tubing for any signs of kinks, leaks, or damage.

6. TROUBLESHOOTING

If you encounter issues with your ID-COOLING FX360 LCD PE, refer to the following common troubleshooting steps:

- **No Power/Fans Not Spinning:** Verify all power cables are correctly connected to the motherboard and power supply. Check motherboard fan headers in BIOS/UEFI.
- **LCD Display Not Working:** Ensure the USB 2.0 header cable is securely connected to both the pump and the motherboard. Reinstall or update the ID-COOLING software.
- **High CPU Temperatures:** Confirm the water block is properly seated on the CPU and thermal paste was applied correctly. Check fan orientation for proper airflow (intake/exhaust). Ensure pump is running (listen for a faint hum or check software).
- **ARGB Lighting Issues:** Verify the ARGB cable is connected to a 5V 3-pin ARGB header. Check motherboard's ARGB software or ID-COOLING software for control.
- **Unusual Noises:** If you hear gurgling, it may indicate air in the loop. Gently tilt your PC case to help move air bubbles to the radiator. If loud grinding or buzzing persists, contact support.

7. SPECIFICATIONS

Feature	Specification
Brand	ID-COOLING
Model Number	FX360 LCD PE
Cooling Method	Liquid
Wattage (TDP)	350 watts
Noise Level	25 Decibels (Pump)
Material	Aluminum, Copper
Maximum Rotational Speed (Fans)	2450 RPM
Air Flow Capacity (Fans)	266.25 Cubic Feet Per Minute (Total for 3 fans)
Power Connector Type	4-Pin
Compatible Devices	Desktop (Intel LGA1851/1700/1200/115X, AMD AM5/AM4)
Package Dimensions	17.52 x 7.36 x 6.65 inches
Item Weight	5.37 pounds

8. Warranty and Support

For warranty information, technical support, or further assistance, please visit the official ID-COOLING website or contact their customer service. Keep your proof of purchase for warranty claims.

You can also visit the ID-COOLING Store on Amazon for more product information and support resources.