Thermaltake MAGFloe 360 Ultra

Thermaltake MAGFloe 360 Ultra CPU Liquid Cooler User Manual

Model: MAGFloe 360 Ultra (CL-W433-PL12SW-A)

1. PRODUCT OVERVIEW

The Thermaltake MAGFloe 360 Ultra is an all-in-one (AIO) liquid CPU cooler designed for efficient thermal management of your computer's processor. It features a 360mm radiator, three 120mm SWAFAN EX fans, and a 3.95-inch square LCD display on the pump block for system monitoring and personalization.

Key features include:

- **3.95-inch Square LCD Display:** Customizable display for system information, images, and videos.
- **SWAFAN EX Fans:** Three 120mm fans with swappable blades for adjustable airflow direction and visible RGB lighting.
- **MAGForce 2.0 Connection:** Magnetic fan connections and daisy-chain cables for simplified installation and reduced cable clutter.
- **Wide Compatibility:** Supports Intel LGA 1851/1700/1200/1156/1155/1151/1150/2066/2011-3/2011 and AMD AM5/AM4/AM3+/AM3/AM2+/AM2/FM2/FM1 sockets.

Image 1.1: The Thermaltake MAGFloe 360 Ultra CPU Liquid Cooler, showcasing its radiator, three RGB fans, and the LCD pump block.

2. SETUP AND INSTALLATION

Before beginning installation, ensure your system is powered off and disconnected from the power source. Refer to your motherboard manual for specific CPU socket information.

2.1. Component Check

Verify all components are present in the package:

- 360mm Radiator with Pump/LCD Block
- 3x SWAFAN EX 120mm Fans
- Mounting Hardware for Intel and AMD Sockets
- Fan Controller/Cables
- Thermal Paste
- Additional Reverse Fan Blades

2.2. Radiator and Fan Installation

1. Determine the mounting location for the 360mm radiator within your PC case. Common locations include the top or front panel.
2. Attach the SWAFAN EX fans to the radiator using the provided screws. Ensure the fan orientation aligns with your desired airflow (intake or exhaust).
3. If you wish to change the airflow direction while maintaining the LED side visible, swap the fan blades. Gently pop out the installed blades and press in the reverse blades.
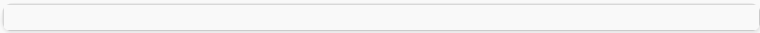

Image 2.1: Illustration of standard and reverse fan blade configurations, demonstrating how airflow direction can be altered.

2.3. CPU Block Installation

1. Prepare your CPU socket by installing the appropriate backplate and standoffs for your Intel or AMD motherboard.
2. Apply a small amount of thermal paste to the center of your CPU's integrated heat spreader (IHS).
3. Carefully place the pump block onto the CPU, aligning the mounting holes. Secure it with the provided thumb screws or nuts, tightening in a diagonal pattern until snug.

2.4. Cable Management with MAGForce 2.0

The MAGForce 2.0 system simplifies fan connections:

- Connect the SWAFAN EX fans to each other using their magnetic daisy-chain connectors.
- Connect the final fan in the chain to the included fan controller.
- Connect the pump block's power and data cables to the motherboard and fan controller as instructed in the separate quick installation guide.
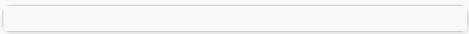

Image 2.2: Detail of the MAGForce 2.0 connector, highlighting the magnetic and pin-pad design for secure fan connections.

3. Operating Instructions

3.1. Initial Power-On

After completing installation, power on your system. The LCD display on the pump block should initialize and show default information or animations.

3.2. LCD Display Customization

The 3.95-inch square LCD display can be customized to show various content:

- **System Information:** Monitor CPU temperature, pump speed, fan speed, and other relevant system metrics.
- **Personalized Content:** Upload custom images (JPG, GIF, PNG) or videos (MP4, MOV, AVI) to display on the screen.

To customize the display, download and install the TT PlayLink app on your smartphone. The app allows you to upload visuals, capture live moments, and manage display settings.
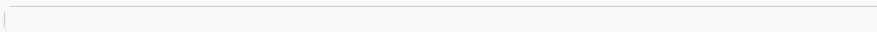
Image 3.1: Examples of the customizable LCD display, showing system information and a personalized image.
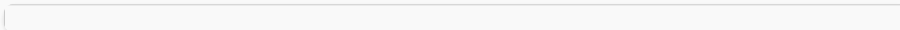
Image 3.2: The TT PlayLink app interface on a smartphone, demonstrating the upload function for customizing the LCD display.

3.3. Fan Speed Control

Fan speeds can be adjusted via your motherboard's BIOS settings or compatible fan control software. The SWAFAN EX fans operate within a range of 500 to 2000 RPM.

4. MAINTENANCE

4.1. Fan Cleaning

The SWAFAN EX fans feature swappable blades, making cleaning convenient:

1. Power off your system and disconnect it from the power source.
2. Gently pop out the fan blades from the fan frame.
3. Clean the blades and fan frame using a soft cloth or compressed air to remove dust. For thorough cleaning, the blades can be rinsed with water. Ensure they are completely dry before reinstallation.
4. If needed, apply the included bearing lubricant before reinserting the blades.
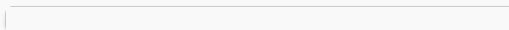5. Press the blades back into the fan frame until they click securely into place.

Image 4.1: A hand demonstrating the cleaning process by rinsing a detached fan blade under water.

4.2. Radiator Cleaning

Periodically inspect the radiator fins for dust buildup. Use compressed air to gently blow dust out of the fins. Avoid using liquids directly on the radiator.

4.3. Liquid Cooler System

The MAGFloe 360 Ultra is a closed-loop liquid cooling system. It does not require liquid refills or maintenance of the

coolant level.

5. TROUBLESHOOTING

If you encounter issues with your MAGFloe 360 Ultra, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No display on LCD screen	Loose or incorrect data/power cable connection.	Check all cables connecting the pump block to the motherboard and fan controller. Ensure they are securely seated.
Fans not spinning or RGB not lighting up	Loose MAGForce 2.0 connection or incorrect fan controller wiring.	Verify all MAGForce 2.0 connections between fans and to the controller. Ensure the fan controller is properly powered and connected to the motherboard.
High CPU temperatures	Insufficient thermal paste, improper pump block contact, or fan orientation issues.	Re-apply thermal paste. Ensure the pump block is securely mounted and making full contact with the CPU. Check fan airflow direction and ensure radiator is free of dust.
Unusual noises from pump or fans	Air bubbles in the loop (pump), or fan bearing issues.	Gently tilt your PC case to help dislodge air bubbles from the pump. If fan noise persists, inspect fan blades for obstructions or damage.

6. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	CL-W433-PL12SW-A
Radiator Dimensions	18"L x 8.1"W x 5.4"H (Overall Product Dimensions)
Cooling Method	Water Cooling
Fan Size	3x 120mm SWAFAN EX
Fan Speed	500 - 2000 RPM
Air Flow Capacity	57.11 CFM (Standard), 56.26 CFM (Reverse)
Static Pressure	2.39mm H2O (Standard), 2.02mm H2O (Reverse)
Noise Level	25 Decibels
Power Connector Type	4-Pin
Voltage	12 Volts
Wattage	16.18 watts
Material	Aluminum, Copper, Plastic
Compatible Devices	Desktop

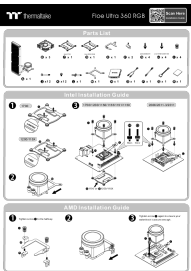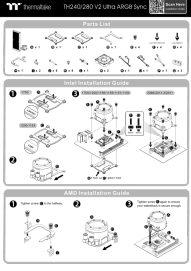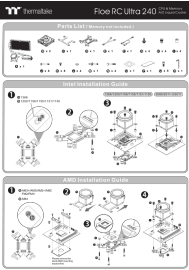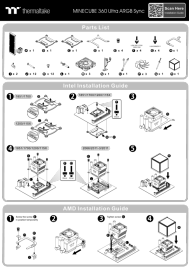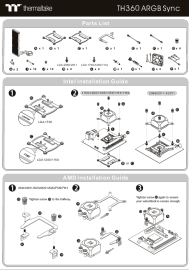| Feature	Specification
CPU Socket Compatibility	Intel LGA 1851/1700/1200/1156/1155/1151/1150/2066/2011-3/2011, AMD AM5/AM4/AM3+/AM3/AM2+/AM2/FM2/FM1
LCD Display Size	3.95 inches (Square)
Item Weight	5.96 pounds
UPC	841163097823

7. WARRANTY AND SUPPORT

Thermaltake products are covered by a manufacturer's warranty. For specific warranty terms, duration, and support procedures, please refer to the official Thermaltake website or contact their customer service directly. Keep your proof of purchase for warranty claims.

For further assistance, visit the official Thermaltake support page or contact their technical support team.

Related Documents - MAGFloe 360 Ultra

[Thermaltake Floe Ultra 360 RGB CPU Cooler Installation Guide](#)
Comprehensive installation guide for the Thermaltake Floe Ultra 360 RGB All-In-One Liquid Cooler, detailing parts, Intel and AMD mounting procedures, LCD display setup, and controller configuration.

[Thermaltake AI Forge Guide: Customizing MAGFloe Ultra LCD](#)
A comprehensive guide to using Thermaltake's AI Forge feature with the MAGFloe Ultra AIO. Learn how to download TT RGB PLUS software, obtain and integrate an OpenAI API key, and generate custom AI-powered images for your AIO's LCD screen. This guide covers setup, prompt engineering, and payment requirements.

[Thermaltake TH240/280 V2 Ultra ARGB Sync Installation Guide](#)
A comprehensive installation guide for the Thermaltake TH240/280 V2 Ultra ARGB Sync All-In-One Liquid Cooler, detailing parts, Intel and AMD CPU cooler installation, and RGB synchronization setup.

	[Thermaltake Floe RC Ultra 240 AIO Liquid Cooler Installation Guide](#) Comprehensive installation guide for the Thermaltake Floe RC Ultra 240 All-In-One Liquid Cooler, covering CPU and memory cooling. Includes parts list and detailed instructions for Intel and AMD platforms, as well as MB SYNC setup.
	[Thermaltake MINECUBE 360 Ultra ARGB Sync Installation Guide](#) Detailed installation guide for the Thermaltake MINECUBE 360 Ultra ARGB Sync CPU cooler, covering parts list and step-by-step instructions for Intel and AMD platforms.
	[Thermaltake TH360 ARGB Sync Installation Guide](#) Detailed installation guide for the Thermaltake TH360 ARGB Sync All-in-One Liquid CPU Cooler, covering parts list, Intel and AMD CPU installation, ARGB controller setup, and motherboard synchronization.