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GIGABYTE AORUS WATERFORCE X 360

GIGABYTE AORUS WATERFORCE X 360 AIO Liquid CPU Cooler

User Manual

Introduction

The GIGABYTE AORUS WATERFORCE X 360 is an all-in-one liquid CPU cooler designed to provide efficient and quiet heat dissipation for high-performance CPUs. It features a customizable 60x60mm circular LCD display, ARGB fans, and broad compatibility with various Intel and AMD CPU sockets. This manual provides essential information for the installation, operation, and maintenance of your AORUS WATERFORCE X 360 cooler.

What's in the Box

Upon unboxing your AORUS WATERFORCE X 360, please ensure all components are present:

- AIO Cooler (Radiator with integrated pump and water block)
- 3x 120mm ARGB Fans
- Mounting Hardware for Intel Sockets (LGA2066, 2011, 1366, 115x, 1200, 1700)
- Mounting Hardware for AMD Sockets (TR4, AM4, sTRX4)
- Fan Screws
- Thermal Paste (pre-applied or in a tube)
- Cables for Fan, Pump, and RGB Connections

Specifications

Feature	Detail
Model Number	AORUS WATERFORCE X 360
Radiator Dimensions	15.51"L x 1.06"W x 4.69"H (394mm x 27mm x 119mm)
Fan Size	120mm
Fan Speed	Up to 2500 RPM
Noise Level	37.6 dB (Max)

Cooling Method	Liquid (Water)
Compatible CPU Sockets	Intel: LGA2066, 2011, 1366, 115x, 1200, 1700 AMD: TR4, AM4, sTRX4
Pump Display	60x60mm Circular Full Color LCD
Display Features	Video Playback, Custom Text, System Statistics
Screen Orientation	Rotatable 330 degrees
RGB Sync	RGB FUSION 2.0

Setup and Installation

Follow these steps for proper installation of your AORUS WATERFORCE X 360 cooler. Refer to the included physical manual for detailed diagrams.

1. Prepare Your Motherboard and CPU

1. Identify your CPU socket type (Intel or AMD) and select the corresponding mounting brackets and backplate.
2. Clean the CPU surface thoroughly. If thermal paste is not pre-applied to the cold plate, apply a small amount to the center of your CPU.

2. Install Radiator and Fans

1. Attach the three 120mm ARGB fans to the radiator using the provided fan screws. Ensure the fan airflow direction is as desired (intake or exhaust).
2. Mount the radiator assembly to your PC case. Common mounting locations include the top or front of the case. Consider hose routing carefully, as the hoses are robust and may require specific positioning.



Image: The AORUS WATERFORCE X 360 radiator with its three 120mm ARGB fans mounted, showcasing the vibrant lighting.

3. Install Pump/Water Block

1. Secure the pump/water block assembly onto your CPU using the appropriate mounting hardware for your socket. Apply even pressure when tightening screws to ensure good contact, but avoid over-tightening.
2. The pump head can be rotated 330 degrees after installation to ensure the LCD display is oriented correctly.



Image: The AORUS WATERFORCE X 360 pump block positioned next to a motherboard's CPU socket, illustrating compatibility and placement.

4. Cable Connections

1. Connect the pump power cable to an appropriate header on your motherboard (e.g., AIO_PUMP or CPU_FAN).
2. Connect the fan power cables to available fan headers on your motherboard.
3. Connect the ARGB cables from the fans and pump to your motherboard's ARGB headers or a dedicated RGB controller for lighting synchronization.
4. Connect the USB cable from the pump to an internal USB 2.0 header on your motherboard. This is crucial for LCD display functionality and software control.

5. Software Installation

1. Download and install the latest version of **GIGABYTE CONTROL CENTER** (or AORUS ENGINE/RGB FUSION 2.0, depending on the latest software suite) from the official GIGABYTE website. This software is essential for controlling the LCD display, fan/pump speeds, and RGB lighting effects.
2. For custom images or videos on the LCD, you may need a Micro SD card. Insert the card into the slot on the pump unit. Ensure the Micro SD card is formatted to FAT32.



Image: A detailed view of the pump block, highlighting the Micro SD card slot for custom content.

Operation

LCD Display Customization

The 60x60mm circular LCD display on the pump offers extensive customization:

- **System Information:** Display real-time CPU temperature, fan speeds, and other system statistics.
- **Custom Content:** Upload custom images (JPG, PNG), GIFs, or even short videos (MP4) via a Micro SD card.
- **Custom Text:** Display personalized text messages.

Use the GIGABYTE CONTROL CENTER software to select display modes, upload content, and adjust settings.



Image: The AORUS WATERFORCE X 360 LCD display showing the CPU temperature and AORUS logo.

Screen Orientation

The LCD display can be physically rotated up to 330 degrees. This allows you to adjust the screen orientation after installation to ensure the display is always upright, regardless of the pump's mounting angle.



Image: An illustration demonstrating the 330-degree rotatable pump head, allowing for flexible display orientation.

RGB FUSION 2.0 Synchronization

The ARGB fans and pump lighting can be synchronized with other AORUS devices and compatible components using GIGABYTE's RGB FUSION 2.0 software. This allows for a unified lighting aesthetic across your entire system.

Fan and Pump RPM Control

Adjust fan and pump speeds through the GIGABYTE CONTROL CENTER software to balance cooling performance and noise levels according to your preferences and system load. The fans utilize Graphene Nano Lubricant for high performance and low noise.

Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your AORUS WATERFORCE X 360 cooler:

- **Dust Cleaning:** Periodically clean dust from the radiator fins and fan blades using compressed air or a soft brush. Ensure the system is powered off before cleaning.
- **Check Connections:** Occasionally inspect all cables (power, USB, RGB) to ensure they are securely connected.
- **Liquid Check:** As an AIO (All-In-One) closed-loop system, the liquid coolant does not require refilling or maintenance. Do not attempt to open the pump or tubing.

Troubleshooting

LCD Display Not Working / Freezing

- Ensure the USB cable from the pump is securely connected to an internal USB 2.0 header on your motherboard.
- Verify that GIGABYTE CONTROL CENTER software is installed and updated to the latest version.
- If using a Micro SD card for custom content, ensure it is properly inserted and formatted to FAT32. Try re-inserting the card or using a different one.
- Restart the GIGABYTE CONTROL CENTER application or your computer.

Poor Cooling Performance

- Check that the pump is running. You may hear a faint hum or feel vibrations. Ensure its power cable is properly connected.
- Verify that the fans are spinning. Check fan cable connections and fan speed settings in GIGABYTE CONTROL CENTER.
- Ensure the water block has proper contact with the CPU. Re-seat the cooler if necessary, ensuring even pressure from the mounting screws.
- Confirm that thermal paste was applied correctly and evenly.
- Clean any dust buildup on the radiator fins.

Excessive Noise

- Adjust fan and pump speeds in GIGABYTE CONTROL CENTER to a quieter profile.
- Check for any cables or obstructions hitting the fan blades.
- Ensure fans are securely mounted to the radiator.
- If a rattling sound is heard from the pump, ensure the pump is mounted securely and that air bubbles are not trapped. Gently tilt your PC case to help move any trapped air.

Installation Challenges (Hose Length/Screw Issues)

- The cooler's hoses are robust; plan your radiator and pump orientation carefully to avoid sharp bends or strain on components.
- When tightening mounting screws, apply firm but gentle pressure. Avoid over-tightening, which can strip threads or damage components.

Warranty and Support

For detailed warranty information, please refer to the warranty card included with your product or visit the official GIGABYTE website.

Official User Manual (PDF)

A comprehensive PDF user manual is available for download:
Download User Manual (PDF)

Protection Plans

Consider purchasing an extended protection plan for additional coverage:

- 3-Year Protection Plan
- 4-Year Protection Plan
- Complete Protect (Monthly subscription covering multiple eligible purchases)

Availability and terms of protection plans may vary.

Contact Support

For technical assistance or product inquiries, please visit the official GIGABYTE support website or contact their customer service.

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