be quiet! Pure Loop 2 FX 360mm

be quiet! Pure Loop 2 FX 360mm CPU Liquid Cooler Instruction Manual

Model: Pure Loop 2 FX 360mm (BW015)

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your be quiet! Pure Loop 2 FX 360mm All-in-One (AIO) liquid cooler. Please read this manual thoroughly before proceeding with installation to ensure proper function and to prevent damage to your system components.

Image: The be quiet! Pure Loop 2 FX 360mm liquid cooler, showcasing the radiator, three ARGB fans, and the CPU block with integrated pump.

SAFETY INFORMATION

Observe the following safety guidelines to prevent injury or damage to your product and system:

- Ensure your computer system is powered off and unplugged from the wall outlet before installation.
- Handle components with care to avoid electrostatic discharge. Consider using an anti-static wrist strap.
- Do not open the liquid cooler's sealed components, except for the designated refill port.
- Keep the product away from moisture and extreme temperatures.
- Store out of reach of children.

PACKAGE CONTENTS

Verify that all components are present in the package:

- Pure Loop 2 FX 360mm AIO Liquid Cooler (Radiator, Pump/CPU Block, Tubing)
- 3x Light Wings 120mm PWM high-speed fans
- ARGB-PWM-Hub
- Mounting hardware for Intel and AMD sockets

- Thermal paste
- Coolant bottle for refilling
- User Manual (this document)

Image: All components included in the be quiet! Pure Loop 2 FX 360mm package, laid out for inspection.

SETUP AND INSTALLATION

Follow these steps for proper installation of the Pure Loop 2 FX 360mm liquid cooler. Refer to your motherboard and PC case manuals for specific guidance on component placement and cable routing.

1. Prepare the CPU Socket

Identify your CPU socket type (Intel or AMD) and prepare the appropriate backplate and mounting brackets. Clean the CPU surface with isopropyl alcohol to remove any residue.

2. Install Radiator and Fans

Mount the three Light Wings 120mm PWM fans to the radiator using the provided screws. Ensure the fan airflow direction is appropriate for your case's cooling configuration (intake or exhaust). Secure the assembled radiator and fans into your PC case. The 360mm radiator typically mounts to the front or top of compatible cases.

Image: The Pure Loop 2 FX 360mm liquid cooler installed within a PC case, showing the radiator and fans mounted at the front, and the CPU block on the motherboard.

3. Apply Thermal Paste

Apply a small amount of the included thermal paste to the center of your CPU's Integrated Heat Spreader (IHS). A pea-sized dot or a thin line is generally sufficient.

4. Mount the CPU Block

Carefully place the CPU block onto the CPU, aligning it with the mounting holes. Secure it with the appropriate screws and brackets for your socket type. Tighten screws in a diagonal pattern until snug, but do not overtighten.

- **Intel Socket Compatibility:** 1700 / 1200 / 2066 / 1150 / 1151 / 1155 / 2011(-3) Square ILM
- **AMD Socket Compatibility:** AM5 / AM4

Image: A detailed view of the be quiet! CPU block installed on a motherboard, showing the ARGB illumination and tubing connections.

5. Connect Cables

Connect the pump's 3-pin power cable to a dedicated AIO_PUMP or CPU_FAN header on your motherboard. Connect the fan PWM cables and ARGB cables to the included ARGB-PWM-Hub. Connect the ARGB-PWM-Hub to a motherboard PWM fan header and a 5V ARGB header for synchronization.

Image: The be quiet! ARGB-PWM-Hub, illustrating its various connection ports for ARGB components and PWM fans.

OPERATING INSTRUCTIONS

Once installed, the Pure Loop 2 FX 360mm operates automatically based on your motherboard's fan and pump control settings.

- **PWM Control:** The pump and fans are PWM controlled. You can adjust their speed curves via your motherboard's BIOS/UEFI settings or through compatible software. It is recommended to set the pump to run at 100% or a high fixed speed for optimal cooling performance and longevity.

- **ARGB Illumination:** The Light Wings fans and CPU block feature ARGB illumination. Connect the ARGB-PWM-Hub to a 5V ARGB header on your motherboard. Use your motherboard's ARGB software (e.g., ASUS Aura Sync, MSI Mystic Light, Gigabyte RGB Fusion, ASRock Polychrome Sync) to customize lighting effects and synchronize them with other ARGB components.

Image: A close-up view of a Light Wings fan, highlighting its vibrant ARGB LED illumination.

MAINTENANCE

The Pure Loop 2 FX 360mm is designed for long-term, low-maintenance operation. However, periodic checks and refilling are recommended.

- **Dust Cleaning:** Periodically clean dust from the radiator fins and fan blades using compressed air or a soft brush to maintain optimal airflow and cooling performance.

- **Coolant Refill:** The radiator features an easy-to-access refill port. Over time, a small amount of coolant may

evaporate. If you notice a decrease in cooling performance or hear unusual pump noises, you may need to top up the coolant. Use only the provided coolant bottle or a compatible, high-quality AIO coolant.
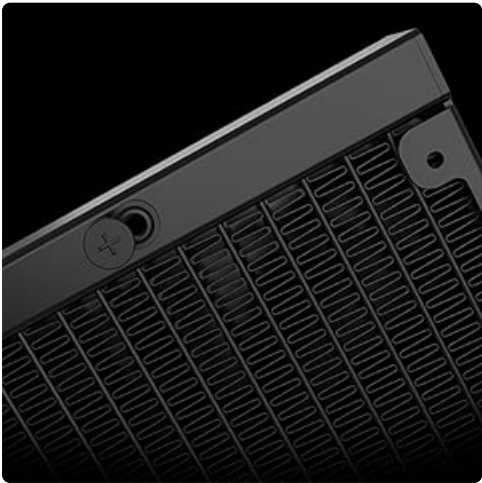

Image: A detailed view of the refill port located on the radiator of the Pure Loop 2 FX, designed for easy coolant replenishment.

TROUBLESHOOTING

If you encounter issues with your Pure Loop 2 FX 360mm, consider the following common solutions:

- **No Power/No Lights:**
    - Check all power connections to the pump, fans, and ARGB-PWM-Hub.
    - Ensure the ARGB-PWM-Hub is connected to a 5V ARGB header on the motherboard.
    - Verify motherboard BIOS settings for fan and pump headers.

- **High CPU Temperatures:**
    - Confirm the CPU block is securely mounted and making good contact with the CPU.
    - Check if thermal paste was applied correctly.
    - Ensure fans are spinning and oriented correctly for optimal airflow.
    - Verify pump is running at an adequate speed (check BIOS/software).
    - Inspect radiator for dust buildup and clean if necessary.
    - Check coolant level via the refill port.

- **Unusual Noise:**
    - Identify the source of the noise (fans or pump).
    - If from fans, check for obstructions or adjust fan speed curves.
    - If from the pump (gurgling/whining), it may indicate air in the loop or low coolant. Try gently tilting the PC case to dislodge air bubbles, or consider refilling coolant.

SPECIFICATIONS

Feature	Detail
Model Number	BW015
Radiator Size	360mm

Feature	Detail
Product Dimensions	15.63 x 4.72 x 2.05 inches (39.7 x 12 x 5.2 cm)
Weight	5.73 Pounds (2.6 kg)
Fan Type	3x Light Wings 120mm PWM high-speed fans
Maximum Rotational Speed	1800 RPM (Fans)
Noise Level	34 Decibels (Max)
Cooling Method	Liquid (Water)
Voltage	12 Volts
Wattage	5.4 watts
Compatible Devices	Desktop PCs
Intel Socket Compatibility	1700 / 1200 / 2066 / 1150 / 1151 / 1155 / 2011(-3) Square ILM
AMD Socket Compatibility	AM5 / AM4

WARRANTY AND SUPPORT

be quiet! products are manufactured with high quality standards. For warranty information, please refer to the warranty card included with your product or visit the official be quiet! website. If you encounter any issues not covered in this troubleshooting section, please contact be quiet! customer support for assistance.
Official be quiet! Website: www.bequiet.com