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## Aerocool VERKHO3PLUS

# Aerocool VERKHO3PLUS CPU Cooler User Manual

Model: VERKHO3PLUS

## 1. PRODUCT OVERVIEW

The Aerocool VERKHO3PLUS is a high-performance CPU cooler designed to efficiently dissipate heat from your computer's processor. It features a 120mm fan, advanced Heat Core Touch Technology (HCTT), and three copper heatpipes to ensure optimal thermal performance for a wide range of desktop CPUs.

### Key Features:

- Efficient heat dissipation with 3 copper heatpipes.
- Equipped with a 120mm fan for effective airflow.
- Features HCTT (Heat Core Touch Technology) for direct CPU contact.
- Hydraulic bearings and an aluminum base for superior cooling and durability.
- 4-Pin PWM technology for precise fan speed control.



An image showing the AeroCool VERKHO3PLUS CPU cooler. It features a large blue fan mounted on a black frame, attached to an aluminum heatsink with three visible copper heatpipes extending from the base.

## 2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating the AeroCool VERKHO3PLUS CPU cooler. Failure to do so may result in personal injury or damage to your system components.

- Always disconnect power from your computer before installation or maintenance.
- Handle the cooler and other components with care to avoid damage.
- Ensure proper grounding to prevent electrostatic discharge (ESD).
- Keep out of reach of children.
- Do not attempt to modify the cooler or its components.
- Ensure adequate ventilation within your PC case for optimal performance and safety.

## 3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Aerocool VERKHO3PLUS CPU Cooler Unit (Heatsink with 120mm Fan)
- Mounting Brackets for Intel Sockets (LGA 1150, 1151, 1155, 1156, 775)
- Mounting Brackets for AMD Sockets (AM2, AM3, AM3+, AM4, FM1, FM2)
- Thermal Paste/Compound
- Installation Screws and Accessories

## 4. SETUP AND INSTALLATION

This section provides general guidelines for installing your Aerocool VERKHO3PLUS CPU cooler. Specific steps may vary slightly depending on your motherboard and CPU socket type. Refer to your motherboard manual for detailed instructions on CPU and cooler installation.

### Compatible Sockets:

The VERKHO3PLUS supports a wide range of Intel and AMD sockets, including:

- **Intel:** LGA 1150, LGA 1151, LGA 1155, LGA 1156, LGA 775
- **AMD:** Socket AM2, Socket AM3, Socket AM3+, Socket AM4, Socket FM1, Socket FM2

### Installation Steps:

1. **Prepare Motherboard:** Ensure your motherboard is removed from the PC case or has sufficient access for cooler installation. If replacing an old cooler, carefully remove it and clean any old thermal paste from the CPU and motherboard.
2. **Install Backplate (if applicable):** For some sockets, a backplate needs to be installed on the rear side of the motherboard. Align the backplate with the mounting holes around the CPU socket.
3. **Attach Mounting Brackets:** Secure the appropriate mounting brackets for your CPU socket type to the cooler's base. Ensure they are firmly attached.
4. **Apply Thermal Paste:** Apply a small, pea-sized amount of thermal paste to the center of the CPU's integrated heat spreader (IHS). Do not spread it manually; the pressure from the cooler will distribute it evenly.
5. **Mount the Cooler:** Carefully align the cooler with the mounting holes on the motherboard or backplate. Gently lower the cooler onto the CPU, ensuring the base makes full contact.
6. **Secure the Cooler:** Use the provided screws to secure the cooler to the motherboard. Tighten screws in a diagonal pattern (e.g., top-left, bottom-right, top-right, bottom-left) to ensure even pressure. Do not overtighten.
7. **Connect Fan Cable:** Locate the CPU\_FAN header on your motherboard. Connect the 4-pin PWM fan cable from the VERKHO3PLUS cooler to this header. This allows the motherboard to control fan speed based on CPU temperature.
8. **Final Checks:** Double-check all connections and ensure the cooler is securely mounted and does not obstruct any other components or RAM slots.

## 5. OPERATING INSTRUCTIONS

Once installed, the Aerocool VERKHO3PLUS CPU cooler operates automatically, controlled by your motherboard's

BIOS/UEFI settings. The 4-pin PWM connection allows for dynamic fan speed adjustment, ensuring efficient cooling while minimizing noise.

## Optimizing Performance:

- **BIOS/UEFI Settings:** Access your motherboard's BIOS/UEFI settings during startup (usually by pressing DEL or F2). Navigate to the fan control section (often under "Hardware Monitor," "PC Health Status," or "Fan Control").
- **Fan Curve:** Adjust the fan curve to balance cooling performance and noise levels. You can set the fan to run quietly at low temperatures and ramp up speed as the CPU temperature increases.
- **System Airflow:** Ensure your PC case has good overall airflow with intake and exhaust fans to help remove hot air from the system, which contributes to better CPU cooling.
- **Monitoring:** Use monitoring software (e.g., HWMonitor, Core Temp) to keep an eye on your CPU temperatures during various workloads to ensure the cooler is performing as expected.

## 6. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your Aerocool VERKHO3PLUS CPU cooler.

- **Dust Cleaning:** Periodically (every 3-6 months, or more frequently in dusty environments) clean dust from the heatsink fins and fan blades. Use compressed air or a soft brush. Ensure the fan is held stationary while cleaning with compressed air to prevent over-spinning and potential damage.
- **Thermal Paste:** Thermal paste typically lasts for several years. However, if you notice a significant increase in CPU temperatures, or if you remove the cooler for any reason, it is recommended to clean off the old thermal paste and apply a fresh layer.
- **Fan Inspection:** Check the fan for any signs of wear, unusual noises, or wobbling. If the fan becomes excessively noisy or stops spinning, it may need replacement.

## 7. TROUBLESHOOTING

If you encounter issues with your Aerocool VERKHO3PLUS CPU cooler, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
High CPU Temperatures	<ul style="list-style-type: none"><li>◦ Improper thermal paste application</li><li>◦ Loose cooler mounting</li><li>◦ Dust buildup on heatsink/fan</li><li>◦ Poor case airflow</li></ul>	<ul style="list-style-type: none"><li>◦ Reapply thermal paste</li><li>◦ Re-mount cooler, ensuring even pressure</li><li>◦ Clean heatsink and fan</li><li>◦ Improve case fan configuration</li></ul>
Fan Not Spinning	<ul style="list-style-type: none"><li>◦ Fan cable disconnected</li><li>◦ Incorrect BIOS/UEFI settings</li><li>◦ Faulty fan</li></ul>	<ul style="list-style-type: none"><li>◦ Check fan connection to CPU_FAN header</li><li>◦ Verify fan control settings in BIOS/UEFI</li><li>◦ Contact support if fan is faulty</li></ul>

Problem	Possible Cause	Solution
Excessive Fan Noise	<ul style="list-style-type: none"> <li>◦ Fan running at high RPM</li> <li>◦ Dust buildup</li> <li>◦ Loose fan or damaged bearings</li> </ul>	<ul style="list-style-type: none"> <li>◦ Adjust fan curve in BIOS/UEFI</li> <li>◦ Clean fan and heatsink</li> <li>◦ Inspect fan for damage; replace if necessary</li> </ul>

## 8. SPECIFICATIONS

Attribute	Detail
Brand	Aerocool
Model/Series	Verkho 3 Plus
Model Number	VERKHO3PLUS
Product Dimensions	42.5 x 36.5 x 33 cm
Item Weight	560 g
Color	Black
Processor Sockets Supported	LGA 1150, LGA 1151, LGA 1155, LGA 1156, LGA 775, Socket AM2, Socket AM3, Socket AM3+, Socket AM4, Socket FM1, Socket FM2
Voltage	12 Volt
Wattage	2.4 Watts
Power Connector Type	3-pin (Note: Product features mention 4-pin PWM, which is standard for control. The 3-pin might refer to a basic power connection or be an error in source data. Assuming 4-pin PWM for functionality as per feature bullets.)
Cooling Method	Air
Compatible Devices	Desktop Computers
Noise Level	26.7 dB
Material	Aluminum (Fins), Copper (Heatpipes)
Maximum Fan Speed	2000 RPM

## 9. WARRANTY AND SUPPORT

Specific warranty details for the Aerocool VERKHO3PLUS CPU cooler are not provided in the available product information. Please refer to the retailer or Aerocool's official website for the most up-to-date warranty terms and conditions.

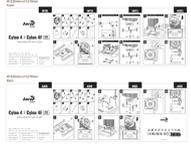
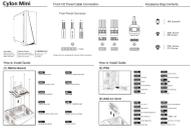
For technical support, troubleshooting assistance beyond this manual, or inquiries regarding replacement parts,

please visit the official Aerocool support website or contact their customer service department. Contact information can typically be found on the manufacturer's website or product packaging.

You can find more information on Aerocool's official website:[www.aerocool.io](http://www.aerocool.io)

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## Related Documents - VERKHO3PLUS

	<p><a href="#">Aerocool Air Frost 2 / Air Frost 4 RGB CPU Air Cooler Installation Guide</a></p> <p>This guide provides instructions for installing the Aerocool Air Frost 2 and Air Frost 4 RGB CPU Air Coolers. It covers compatibility, mounting hardware, and step-by-step assembly for both Intel and AMD platforms.</p>
	<p><a href="#">AeroCool Air Frost Plus RGB CPU Air Cooler Installation Guide</a></p> <p>Detailed installation guide for the AeroCool Air Frost Plus RGB CPU Air Cooler, covering compatibility for Intel LGA 1200/115X/775 and AMD AM4/AM3+/AM3/AM2+/AM2/FM2/FM1 sockets. Learn how to install your new cooler step-by-step.</p>
	<p><a href="#">AeroCool Cylon 4 / Cylon 4F PWM ARGB CPU Air Cooler Installation Guide</a></p> <p>This guide provides step-by-step instructions for installing the AeroCool Cylon 4 and Cylon 4F PWM ARGB CPU Air Cooler on both Intel and AMD platforms. It details the included components and the mounting process for optimal performance.</p>
	<p><a href="#">AeroCool Cylon Mini PC Case Installation Guide</a></p> <p>Comprehensive installation guide for the AeroCool Cylon Mini PC case, covering component installation, front panel connections, and LED mode settings.</p>
	<p><a href="#">AeroCool Verkho 2 Slim CPU Cooler Installation Guide</a></p> <p>Detailed installation instructions and compatibility information for the AeroCool Verkho 2 Slim CPU cooler, covering Intel and AMD sockets.</p>
	<p><a href="#">AeroCool AERO SERIES Power Supply Unit User Manual</a></p> <p>User manual for AeroCool AERO SERIES power supply units, including the Integrator 500 W model. Provides detailed safety instructions, installation guidance, technical specifications, and warranty information for PC builders.</p>

### Verkho 3 Plus

#### Aerocool Verkho 3 Plus CPU Air Cooler

Specifications are subject to change without notice. Images may differ from actual product. E.O.C.  
View full specifications & price at [www.comx-computers.co.za](https://www.comx-computers.co.za)  
Aerocool Verkho 3 Plus CPU Air Cooler - Aluminum - (TDP up to 125W) - LGA 1700/1200/AM4/AM5



### [\[pdf\]](#) Specifications

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