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## Jonsbo CR1400

# JONSBO CR1400 RGB CPU Air Cooler Instruction Manual

Model: CR1400 | Brand: Jonsbo

## 1. INTRODUCTION

The JONSBO CR1400 RGB CPU Air Cooler is designed to provide efficient cooling for your computer's central processing unit (CPU). Featuring a tower-shape design with 4 copper heat pipes and a 92mm PWM fan, it ensures optimal heat dissipation while operating quietly. The integrated RGB lighting system adds a vibrant aesthetic to your PC build. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting.



Figure 1.1: JONSBO CR1400 RGB CPU Air Cooler

## 2. PACKAGE CONTENTS

Please verify that all components are present in your package:

- JONSBO CR1400 CPU Air Cooler (with pre-attached 92mm PWM fan)
- Mounting Screws (various types for different sockets)
- Adjustable Backplate (for Intel installations)
- Intel Brackets (1 pair)
- AMD Brackets (1 pair)
- Thermal Paste (1 portion)



Figure 2.1: Installation Package Contents

### 3. COMPATIBILITY

The JONSBO CR1400 CPU Air Cooler offers broad compatibility with various CPU sockets:

- **Intel Sockets:** LGA1700, LGA1200, LGA775, LGA1150, LGA1151, LGA1155, LGA1156
- **AMD Sockets:** AM4, AM3+, AM3, AM2+, AM2, FM2+, FM2, FM1, AM5

# UNIVERSAL SOCKET COMPATIBILITY



LGA 115X/1200/1700



AMD AM4/AM5

Figure 3.1: Universal Socket Compatibility

## 4. FEATURES

Key features of the JONSBO CR1400 RGB CPU Air Cooler include:

- **Tower-shape Design:** Equipped with 41 pieces of penetrate-design fins for effective heat dissipation.
- **4 Copper Heat-pipes:** Four 6mm pure copper heat pipes directly connect to the CPU, ensuring rapid heat transfer to the fins.
- **Removable PWM Fan:** The 92mm PWM fan is easily detachable for maintenance and features colorful, soft blades.
- **Fins Bending Technology:** Optimized fin design for improved ventilation and heat conduction.
- **Vivid RGB Lighting System:** Luminous top nameplates and fan provide automatic color changes, enhancing the visual appeal of your system.



# CR1400 – CR1000 **GT** MINI

## 4 Heat-pipes Tower-shape CPU Cooler



4 Heat-pipes



RGB



Removable  
PWM Fans



High-cost  
Metal Buckle

Figure 4.1: Tower-shape CPU Cooler Overview

# 4 Copper Heat-pipes

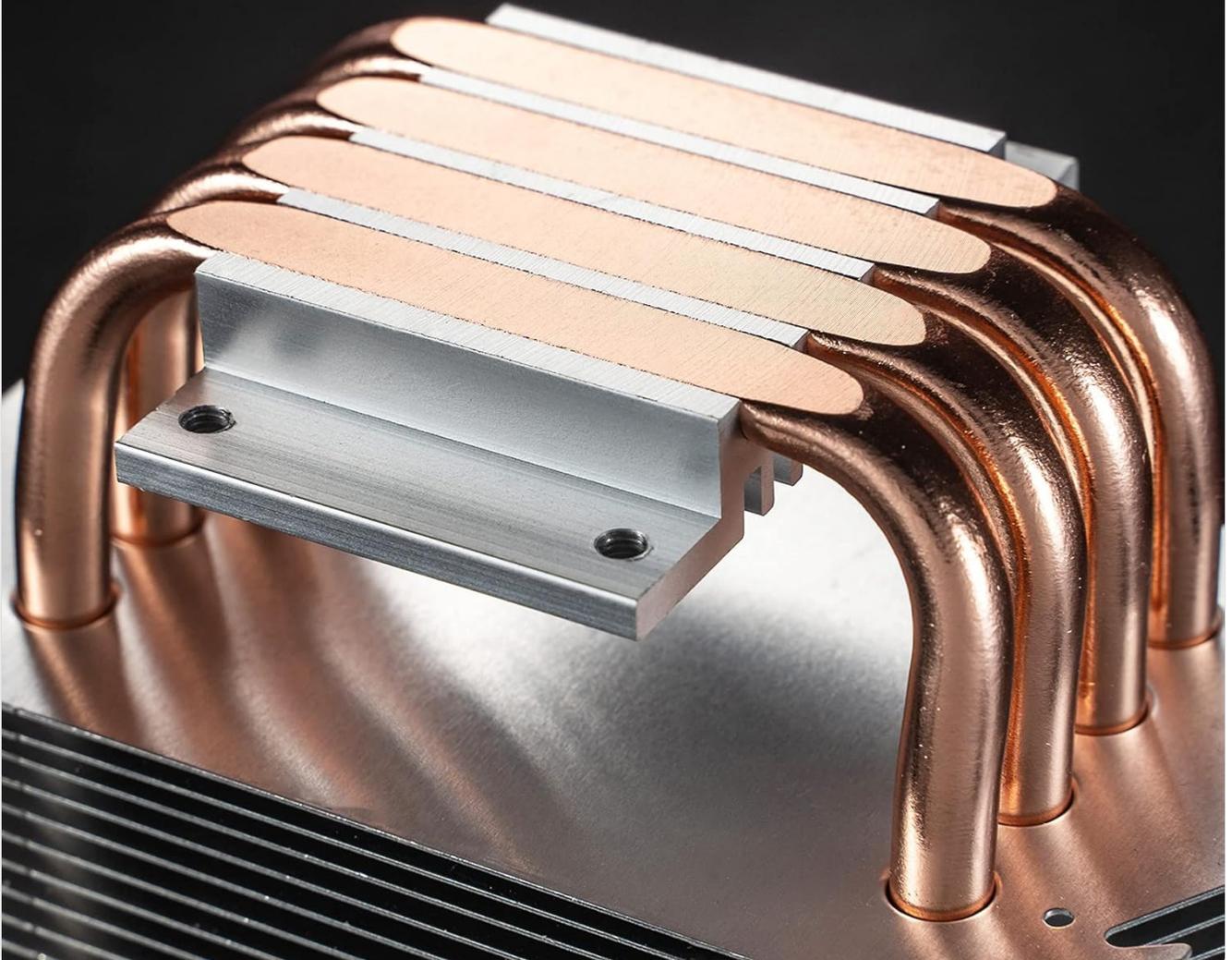


Figure 4.2: 4 Copper Heat Pipes



Figure 4.3: Removable PWM Fan

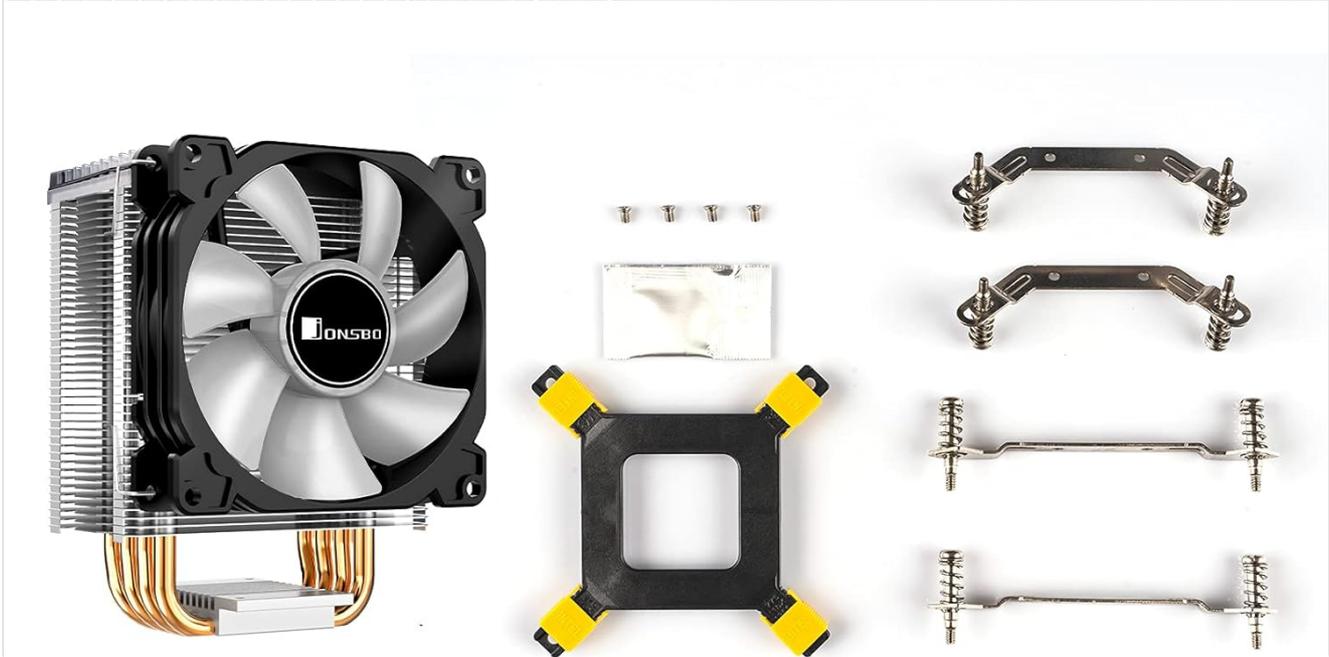


Figure 4.4: Vivid RGB Lighting System

## 5. SETUP AND INSTALLATION

Follow these steps to install your JONSBO CR1400 CPU Air Cooler. The process varies slightly for Intel and AMD platforms.

### General Installation Steps:

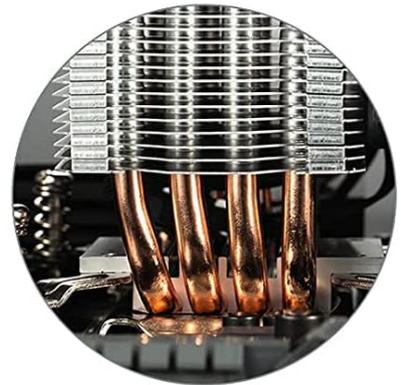
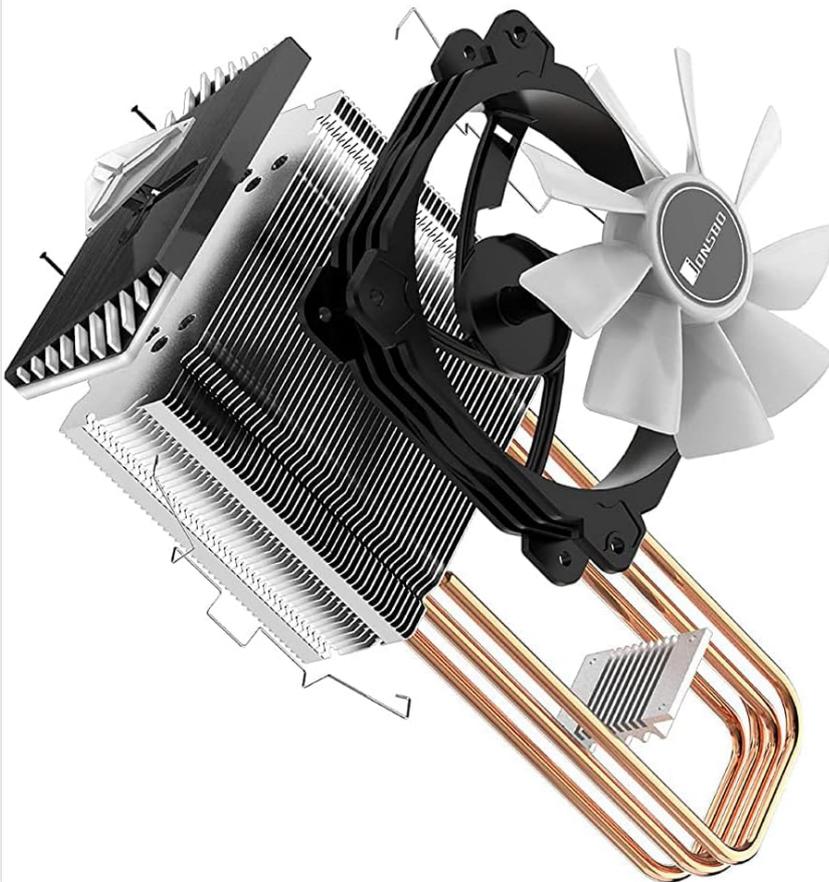
- 1. Prepare CPU and Motherboard:** Ensure your CPU is correctly seated in its socket. Clean any old thermal paste from the CPU surface if you are replacing an existing cooler.
- 2. Apply Thermal Paste:** Apply a small, pea-sized amount of the provided thermal paste to the center of your CPU's integrated heat spreader (IHS). Do not spread it manually; the pressure from the cooler will distribute it evenly.
- 3. Attach Mounting Brackets:** Select the appropriate Intel or AMD mounting brackets.
  - **For Intel:** Use the adjustable backplate provided. Secure the Intel brackets to the cooler base.
  - **For AMD:** Utilize the stock backplate that came with your AMD motherboard. Secure the AMD brackets to the cooler base.
- 4. Position the Cooler:** Carefully align the cooler with the mounting holes on the motherboard.

5. **Secure the Cooler:** Use the provided screws to secure the cooler to the mounting brackets. Tighten screws in a diagonal pattern to ensure even pressure. The high-level metal fasteners ensure long-term stability.
6. **Connect Fan Cable:** Connect the 4-pin PWM fan cable to the CPU\_FAN header on your motherboard.

# PWM

## REMOVABLE FANS

CONNECTOR	4-PIN RGB
FAN SPEED	900-2300RPM( $\pm 10\%$ )
AIRFLOW	15-36CFM
NOISE LEVEL	20-30.5DBAL(MAX)



4 PIN PWM CONNECTOR

Figure 5.1: Mounting Hardware and Metal Buckle



**AMD** *Backplate is NOT INCLUDE*  
please use the stock backplate  
that comes with the **AMD motherboard** when installing



Figure 5.2: AMD Installation Tip

Your browser does not support the video tag.

Video 5.1: Installation Guide for JONSBO CR1400 CPU Cooler. This video demonstrates the physical installation process, including attaching the fan and securing the cooler to the motherboard.

## 6. OPERATING INSTRUCTIONS

The JONSBO CR1400 CPU Air Cooler operates automatically once installed and connected. The PWM (Pulse Width Modulation) fan adjusts its speed based on CPU temperature, ensuring efficient cooling and reduced noise levels when not under heavy load.

The integrated RGB lighting system features an automatic color change chip. The phantom lights on the cooler and fan will cycle through various colors automatically. Please note that the RGB lighting on this model is not software-controllable and operates independently.



Figure 6.1: RGB Lighting Control Note

## 7. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your CPU cooler:

- **Dust Removal:** Periodically clean dust from the heatsink fins and fan blades. The fan is removable for easier cleaning. Use compressed air or a soft brush.
- **Fan Cleaning:** Gently wipe the fan blades with a soft, dry cloth. Ensure the fan is completely dry before reattaching.
- **Thermal Paste:** While not required frequently, consider reapplying thermal paste every few years or if you notice a significant increase in CPU temperatures.

## 8. TROUBLESHOOTING

If you encounter issues with your JONSBO CR1400 CPU Air Cooler, refer to the following common problems and solutions:

- **Fan Not Spinning:**
  - Check if the 4-pin PWM cable is securely connected to the CPU\_FAN header on the motherboard.
  - Ensure the motherboard's fan control settings are not set to 'off' or a very low RPM that prevents spinning at idle.
- **No RGB Lighting:**
  - Verify that the fan and top lighting connections are secure.
  - Remember that the RGB lighting is automatic and not software-controllable. If the fan is spinning, the lights should be active.
- **High CPU Temperatures:**

- Ensure the cooler is securely mounted and making proper contact with the CPU. Uneven pressure can lead to poor heat transfer.
- Check if sufficient thermal paste was applied and that it is evenly spread.
- Clean any accumulated dust from the heatsink fins and fan blades.
- Verify that your PC case has adequate airflow.

## 9. SPECIFICATIONS

Attribute	Value
Product Dimensions	3.66"L x 3.07"W x 4.96"H (93mm x 78mm x 126mm)
Brand	Jonsbo
Power Connector Type	4-pin PWM
Voltage	12 Volts
Wattage	130 watts
Cooling Method	Air
Compatible Devices	Gaming Console, Desktop
Noise Level	20 dB
Material	Metal, Copper
Maximum Rotational Speed	2300 RPM
Air Flow Capacity	36 Cubic Feet Per Minute
Item Weight	1.31 pounds
Country of Origin	China
Date First Available	July 22, 2021

## 10. WARRANTY AND SUPPORT

For product support, warranty inquiries, or technical assistance, please contact Jonsbo customer service through the following channels:

- **Amazon Contact:** Find the Jonsbo store on Amazon and click "Ask a question" to contact support.
- **Email Support:** You can also reach out via email at [genverse\\_support@163.com](mailto:genverse_support@163.com).

Please retain your proof of purchase for warranty claims. The product typically comes with a 30-day return/replacement policy through Amazon.

