

[Manuals.plus](#) /

› [Cooler Master](#) /

› Cooler Master i70C LGA1700 ARGB Intel Low-Profile CPU Air Cooler Instruction Manual

Cooler Master i70C

Cooler Master i70C LGA1700 ARGB Intel Low-Profile CPU Air Cooler Instruction Manual

Model: i70C | Brand: Cooler Master

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Cooler Master i70C LGA1700 ARGB Intel Low-Profile CPU Air Cooler. Please read this manual thoroughly before installation to ensure proper setup and optimal performance.



Image 1.1: Cooler Master i70C ARGB Intel Low-Profile CPU Air Cooler. This image displays the cooler with its illuminated ARGB fan, showcasing its compact design and aesthetic appeal.

2. PACKAGE CONTENTS

Verify that all components are present in the package:

- i70C LGA1700 ARGB CPU Cooler (Heatsink with pre-attached 120mm ARGB fan)
- Intel LGA1700/1851 Mounting Kit (brackets, standoffs, screws)
- Thermal Paste
- User Manual

3. SAFETY INFORMATION

- Ensure your computer is powered off and unplugged from the wall outlet before installation.
- Handle components with care to avoid damage.
- Refer to your motherboard manual for specific fan header locations and ARGB connections.
- Keep out of reach of children.

4. SETUP AND INSTALLATION

The Cooler Master i70C is designed for Intel LGA1700/1851 sockets. Follow these steps for proper installation:

4.1. Prepare the Motherboard

1. Place the Intel LGA1700/1851 backplate on the rear side of your motherboard, aligning the holes with the CPU socket.
2. From the front side of the motherboard, insert the four standoffs through the mounting holes and into the backplate.
3. Secure the mounting brackets onto the standoffs using the provided screws. Ensure they are finger-tight initially.

COMPATIBILITY LGA1700

Tool-Free mounting brackets for quick and painless installation on all Intel LGA1700 sockets.



Image 4.1: Intel LGA1700 Mounting Bracket. This image shows the specific bracket used for Intel LGA1700/1851 platforms, designed for simplified installation.

4.2. Apply Thermal Paste

4. Clean the surface of your CPU and the cooler's base with isopropyl alcohol to remove any dust or old thermal paste.
5. Apply a small, pea-sized amount of the included thermal paste to the center of your CPU's Integrated Heat Spreader (IHS). Do not spread the paste; the pressure from the cooler will distribute it evenly.

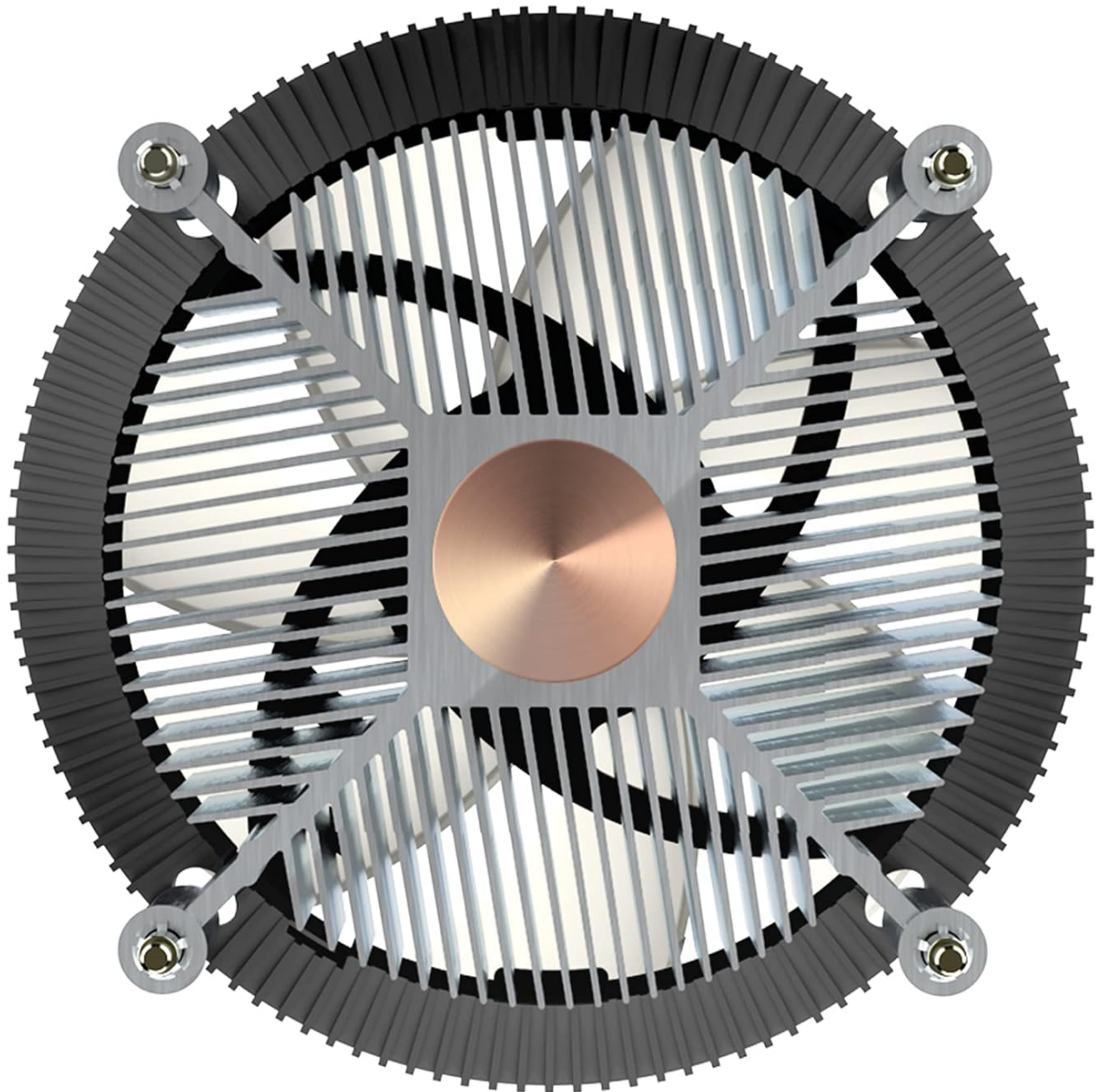


Image 4.2: Cooler Base with Copper Insert. This view from the bottom of the cooler highlights the copper insert base, which makes direct contact with the CPU for efficient heat transfer.

4.3. Mount the CPU Cooler

6. Carefully place the i70C CPU cooler onto the CPU, aligning the cooler's mounting holes with the screws on the motherboard brackets.
7. Tighten the screws in a diagonal pattern (e.g., top-left, bottom-right, top-right, bottom-left) until they are secure. Do not overtighten.

ALUMINUM FINS COPPER INSERT

Aluminum fins with copper insert that provides efficient heat dissipation for a 95W TDP CPU.

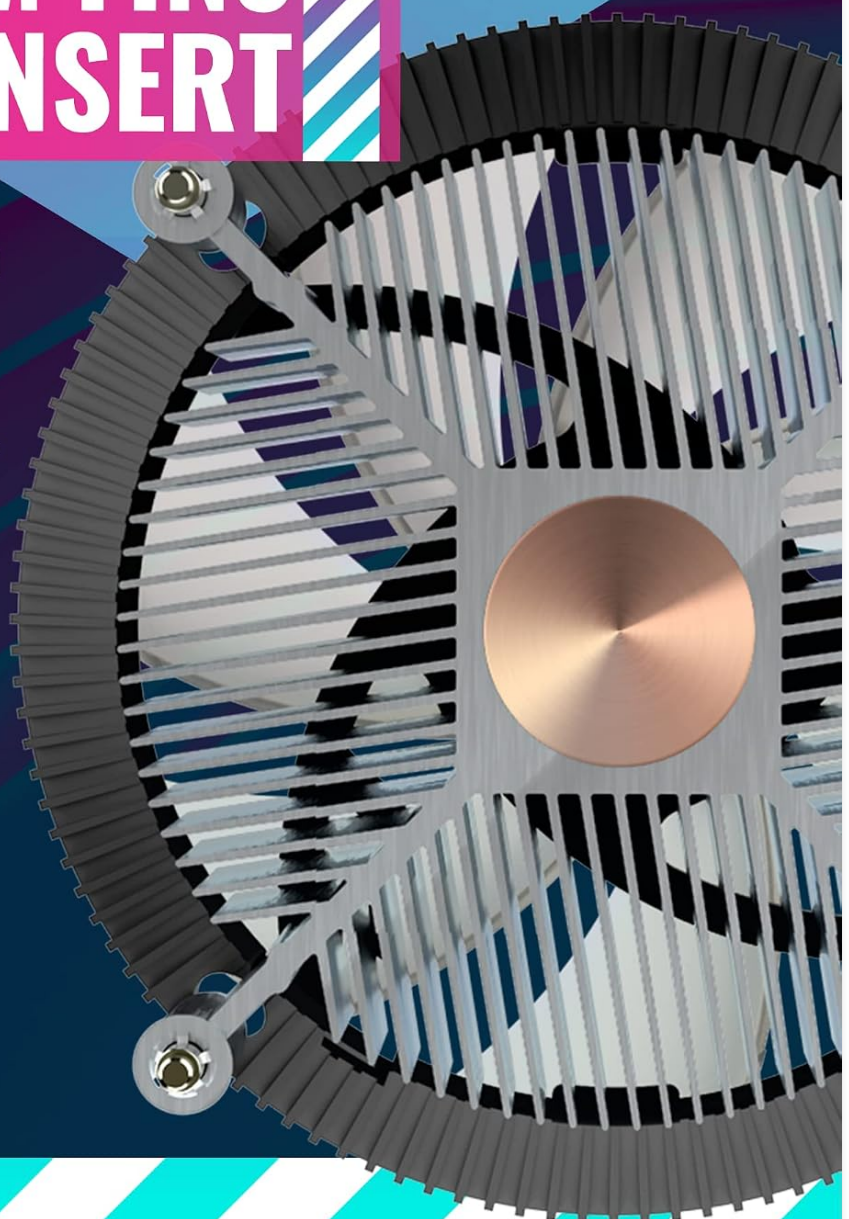


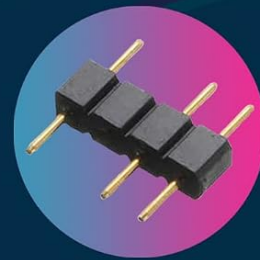
Image 4.3: Aluminum Fins with Copper Insert. This image shows the heatsink's aluminum fins and the copper insert, designed for effective heat dissipation from a 95W TDP CPU.

4.4. Connect Fan and ARGB Cables

8. Connect the 4-pin PWM fan cable from the cooler to the "CPU_FAN" header on your motherboard.
9. Connect the 3-pin ARGB cable from the cooler to an available 3-pin Addressable RGB header (e.g., "VDG" or "ARGB") on your motherboard. Refer to your motherboard manual for exact header locations.

LUMINESCENT LIGHT EFFECT

Fully customizable
ARGB 3-Pin lighting
certified to sync with
Asus AURA, Gigabyte
RGB FUSION,
MSI Mystic Light and
ASRock RGB LED



***Require an ARGB supporting
Motherboard or Controller**

Image 4.4: ARGB Lighting Compatibility. This image illustrates the 3-pin ARGB connector and logos of compatible motherboard RGB software (Asus AURA, Gigabyte RGB FUSION, MSI Mystic Light, ASRock RGB LED).

5. OPERATING INSTRUCTIONS

5.1. Fan Control

The 120mm PWM fan automatically adjusts its speed based on CPU temperature. You can fine-tune fan curves through your motherboard's BIOS settings or dedicated software to balance cooling performance and noise levels.

120MM PWM FAN

120mm PWM fan provides a steady airflow to the aluminum fins and copper insert, while maintaining a low noise output.

Dimension

120 x 120 x 25 mm
4.7 x 4.7 x 1 inch

AIR FLOW

37
CFM

AIR PRESSURE

1.33
mmH2O

Image 5.1: 120mm PWM Fan Specifications. This image details the fan's dimensions, speed range (650-1800 RPM), airflow (37 CFM), and air pressure (1.33 mmH2O).

5.2. ARGB Lighting Control

The Addressable RGB lighting can be customized using your motherboard's compatible RGB software (e.g., Asus AURA Sync, Gigabyte RGB FUSION, MSI Mystic Light Sync, ASRock RGB LED). This allows for synchronization with other ARGB components in your system.



Image 5.2: Cooler Master i70C installed in a PC, showcasing its vibrant ARGB lighting effects.

6. MAINTENANCE

- **Cleaning the Fan:** Periodically clean the fan blades and heatsink fins to prevent dust buildup, which can impede airflow and cooling performance. Use compressed air or a soft brush.
- **Thermal Paste:** Reapply thermal paste if you remove the cooler for any reason.

7. TROUBLESHOOTING

- **Fan Not Spinning:** Ensure the 4-pin PWM cable is securely connected to the CPU_FAN header on the motherboard. Check BIOS settings for fan control.
- **ARGB Lights Not Working/Incorrect Colors:** Verify the 3-pin ARGB cable is correctly connected to a compatible ARGB header. Ensure your motherboard's RGB software is installed and configured correctly.

- **High CPU Temperatures:**
 - Check if the cooler is securely mounted and making proper contact with the CPU.
 - Ensure sufficient thermal paste was applied.
 - Clean any dust from the heatsink fins and fan blades.
 - Verify adequate airflow within your PC case.

8. SPECIFICATIONS

Feature	Detail
Product Dimensions	4.72"L x 4.72"W x 2.76"H (120 x 120 x 70 mm)
Item Model Number	RR-I7C7-18PA-R1
Brand	Cooler Master
Power Connector Type	4-Pin (PWM)
Voltage	12 Volts
Wattage (TDP Support)	95 Watts
Cooling Method	Fan
Compatible Devices	Desktop (Intel LGA1700/1851)
Noise Level	28 Decibels
Material	Aluminum (with Copper Insert)
Maximum Rotational Speed	1800 RPM

INTEL LGA1700 PLATFORM

Intel LGA1700 specific low-profile heat sink with 70mm super thin design to perfectly fit All-in-One systems or limited form factor cases.



Image 8.1: Cooler Master i70C highlighting its 70mm low-profile height, making it suitable for compact systems.

9. WARRANTY AND SUPPORT

The Cooler Master i70C LGA1700 ARGB Intel Low-Profile CPU Air Cooler comes with a **2-year warranty**. For technical support, warranty claims, or further assistance, please visit the official Cooler Master website or contact their customer service.

Official Cooler Master Website: www.coolermaster.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question