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› Cooler Master LED Controller A1 (Gen2) User Manual

Cooler Master MFY-ACBN-NNUNN-R2

Cooler Master LED Controller A1 (Gen2) User Manual

Model: MFY-ACBN-NNUNN-R2 FN1647

PRODUCT OVERVIEW

The Cooler Master LED Controller A1 (Gen2) is an advanced LED controller designed to manage Addressable Gen2 RGB lighting. It offers extensive customization options for lighting patterns, colors, and effects, allowing users to personalize their PC's aesthetics. This compact device supports both next-generation Gen2 ARGB and standard ARGB devices, making it versatile for various setups. It enables the use of ARGB devices even with motherboards that lack native ARGB support.

The controller features three ARGB headers, each capable of individually controlling up to 80 Gen2 ARGB LEDs, for a total of 240 individually controllable Gen2 ARGB LEDs. Fine-tune your lighting with Cooler Master's proprietary MasterPlus+ software or enjoy simple light-up effects with button operations for standard ARGB devices.

PACKAGE CONTENTS

- Cooler Master LED Controller A1 (Gen2)
- USB Cable
- Power Cable
- ARGB Cables (if included)
- User Manual (this document)

PHYSICAL FEATURES AND CONNECTIONS



Figure 1: Front view of the LED Controller A1 with the blue indicator LED illuminated, showing the Cooler Master logo.



Figure 2: Front view of the LED Controller A1 with the indicator LED off, displaying the sleek black finish and Cooler Master logo.





Figure 3: Side view of the LED Controller A1, highlighting the USB port for data connection to the PC and the power input port.





Figure 4: Opposite side view of the LED Controller A1, showing the three Addressable RGB (ARGB) headers for connecting LED devices.

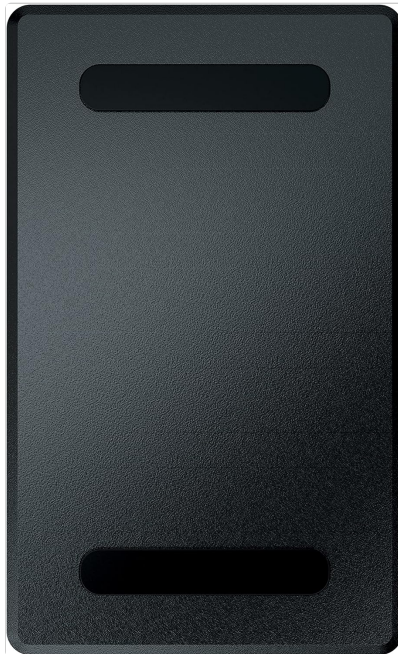


Figure 5: Back view of the LED Controller A1, featuring two mounting pads for secure installation within a PC case.

SETUP GUIDE

1. **Power Connection:** Connect the provided power cable to the power input port on the LED Controller A1 (refer to Figure 3). Connect the other end of the power cable to your power supply unit (PSU).
2. **USB Connection:** Connect the provided USB cable to the USB port on the LED Controller A1 (refer to Figure 3). Connect the other end of the USB cable to an available USB 2.0 header on your motherboard. This connection is essential for software control.
3. **ARGB Device Connection:** Connect your Addressable RGB (ARGB) devices (e.g., fans, LED strips) to the ARGB headers on the LED Controller A1 (refer to Figure 4). The controller has three ARGB headers, allowing for multiple device connections. Ensure correct polarity when connecting ARGB devices.
4. **Mounting:** Use the mounting pads on the back of the controller (refer to Figure 5) to securely attach the device inside your PC case. Choose a location that allows for easy cable management and access.
5. **Software Installation:** For advanced control and customization, download and install the Cooler Master MasterPlus+ software from the official Cooler Master website. This software allows you to fine-tune individual LED colors, effects, and brightness.

OPERATING INSTRUCTIONS

Using MasterPlus+ Software (Recommended for Gen2 ARGB)

- Launch the MasterPlus+ software after installation.
- The software will detect the connected LED Controller A1.
- Navigate through the software interface to access various lighting modes, color palettes, and effects.
- For Gen2 ARGB devices, you can individually control each LED's color and brightness, offering granular customization.
- Save your preferred lighting profiles for quick access.

Basic Button Operation (for Standard ARGB)

If you are using standard ARGB devices or prefer not to use the software, the controller may offer basic lighting control via a physical button (if present on the device itself or connected via a case button). Refer to your PC case or connected ARGB device manual for specific button functionalities. Typically, a button allows cycling through pre-set lighting modes and colors.

MAINTENANCE

- **Cleaning:** Keep the controller free from dust. Use a soft, dry cloth to gently wipe the surface. Do not use liquid cleaners or abrasive materials.
- **Cable Management:** Ensure all cables connected to the controller are neatly routed and not under excessive tension to prevent damage.
- **Software Updates:** Periodically check the Cooler Master website for updates to the MasterPlus+ software. Software updates may include new features, bug fixes, or improved compatibility.

TROUBLESHOOTING

Problem	Possible Cause	Solution
LEDs not lighting up.	• Loose power or ARGB cable connection. • Incorrect ARGB device connection polarity. • No power to the controller. • Software settings preventing illumination.	• Check all cable connections to ensure they are secure. • Verify ARGB device connection polarity (usually indicated by an arrow on the connector). • Ensure the PSU is providing power to the controller. • Check MasterPlus+ software settings; ensure lighting is enabled and not set to off or black.
Controller not detected by MasterPlus+ software.	• USB cable not properly connected to motherboard header. • Outdated MasterPlus+ software. • USB header issue on motherboard.	• Ensure the USB cable is firmly connected to both the controller and the motherboard's USB 2.0 header. • Download and install the latest version of MasterPlus+ software from the Cooler Master website. • Try connecting the USB cable to a different USB header on your motherboard, if available.
Lighting effects are not as expected.	• Incorrect settings in MasterPlus+ software. • Compatibility issues with certain ARGB devices.	• Review and adjust lighting settings within the MasterPlus+ software. • Ensure your ARGB devices are compatible with the controller (Gen2 ARGB or standard ARGB).

SPECIFICATIONS

Feature	Detail
Brand	Cooler Master
Model Number	MFY-ACBN-NNUNN-R2 (FN1647)
Product Dimensions (L x W x H)	50 x 48 x 10 mm (approx. 1.97 x 1.89 x 0.39 inches)

Product Weight	90 g (approx. 0.2 lbs)
Color	Black
ARGB Headers	3 (each supporting up to 80 Gen2 ARGB LEDs)
Total Controllable Gen2 ARGB LEDs	Up to 240
Software Support	Cooler Master MasterPlus+

WARRANTY AND SUPPORT

This Cooler Master LED Controller A1 (Gen2), model FN1647, is covered by a **2-year warranty** for products purchased through authorized dealers in Japan.

For technical support, troubleshooting assistance, or warranty claims, please visit the official Cooler Master support website or contact your local authorized dealer.

You can find more information and support resources on the [Cooler Master Brand Store on Amazon.co.jp](#).

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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

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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

