

[Manuals.plus](#) /

› [Cooler Master](#) /

› Cooler Master Addressable Gen 2 RGB LED Controller A1 User Manual

Cooler Master MFY-ACBN-NNUNN-R2

Cooler Master Addressable Gen 2 RGB LED Controller A1 User Manual

Model: MFY-ACBN-NNUNN-R2

INTRODUCTION

The Cooler Master Addressable Gen 2 RGB LED Controller A1 is designed to provide versatile and easy personalization of your Addressable RGB (ARGB) devices. This compact controller eliminates the need for an ARGB-capable motherboard or complex software for basic functionality, offering extensive customization options through Cooler Master's MasterPlus+ software.

LED CONTROLLER A1



Cooler Master has engineered the new Addressable Gen 2 RGB LED Controller granting you the versatility to easily personalize your devices delivered to you in a small compact size

Image: Overview of the Cooler Master LED Controller A1, highlighting its compact design and purpose.

KEY FEATURES

- **Simple and Compact Design:** No need for an ARGB capable motherboard or complex software. Features 3 ARGB headers, each supporting up to 80 individual LEDs, for a total of up to 240 LEDs.
- **Backwards Compatibility:** Fully compatible with both Gen 2 ARGB and standard ARGB devices, allowing seamless connection of various devices.
- **Advanced Customization with MasterPlus+ Software:** Works with Cooler Master's MasterPlus+ software, enabling customization of each individual LED's color, effect, brightness, and more through an intuitive interface.

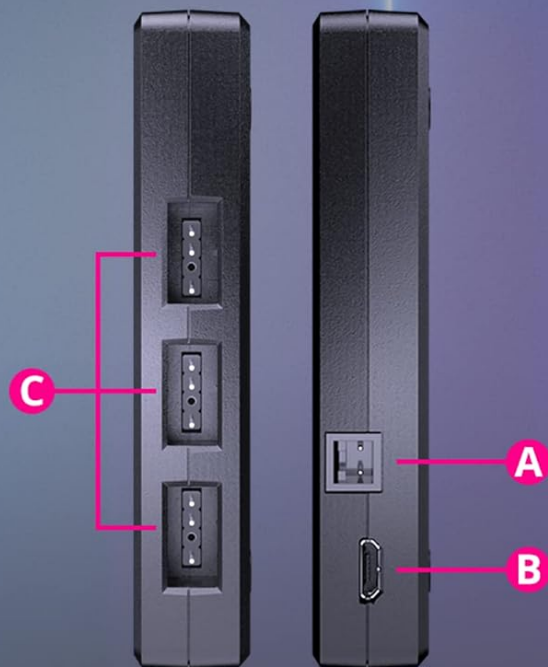
SETUP

Follow these steps to set up your Cooler Master Addressable Gen 2 RGB LED Controller A1:

1. **Connect to Motherboard:** Connect the 9-pin USB connector (A) from the controller to an available USB 2.0 header on your motherboard.
2. **Provide Power:** Connect the 5V SATA Power Connector (B) from the controller to a SATA power cable from your power supply unit (PSU).
3. **Connect ARGB Devices:** Connect your 5V 3-pin ARGB devices (fans, LED strips, etc.) to the 5V 3-pin ARGB Connectors (C) on the controller. The controller has three such headers.
4. **Secure the Controller:** The controller features a magnetic base for easy mounting inside your PC case.

SIMPLE AND COMPACT

No need to hassle with an ARGB capable motherboard or complex software. With 3 ARGB headers available, each header can connect up to 80 individual LEDs for a total of up to 240 LEDs.



- A 9 Pin USB Connector 9 Pin USB Connector
- B 5V SATA Power Connector 5V SATA Power Connector
- C 5V 3 Pin ARGB Connector 5V 3 Pin ARGB Connector

Image: Diagram showing the 9-pin USB Connector (A), 5V SATA Power Connector (B), and 5V 3-pin ARGB Connectors (C) on the Cooler Master LED Controller A1.





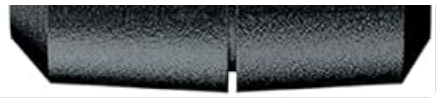
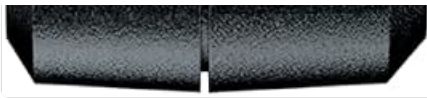


Image: Side view of the Cooler Master LED Controller A1, clearly showing the USB and SATA power input ports, and the three ARGB output ports.

OPERATING THE CONTROLLER

The Cooler Master Addressable Gen 2 RGB LED Controller A1 can be operated via the Cooler Master MasterPlus+ software for full customization.

Using MasterPlus+ Software

Download and install the latest version of Cooler Master MasterPlus+ software from the official Cooler Master website. Once installed, the software will detect the controller and connected ARGB devices.

- **Individual LED Customization:** The software allows you to customize each individual LED's color, effect, and brightness.
- **Custom Mode:** In Custom Mode, you can assign different colors to individual LEDs or groups of LEDs for unique lighting patterns.

CUSTOM MODE

Under the Custom mode, you can customize each individual LED if different color.

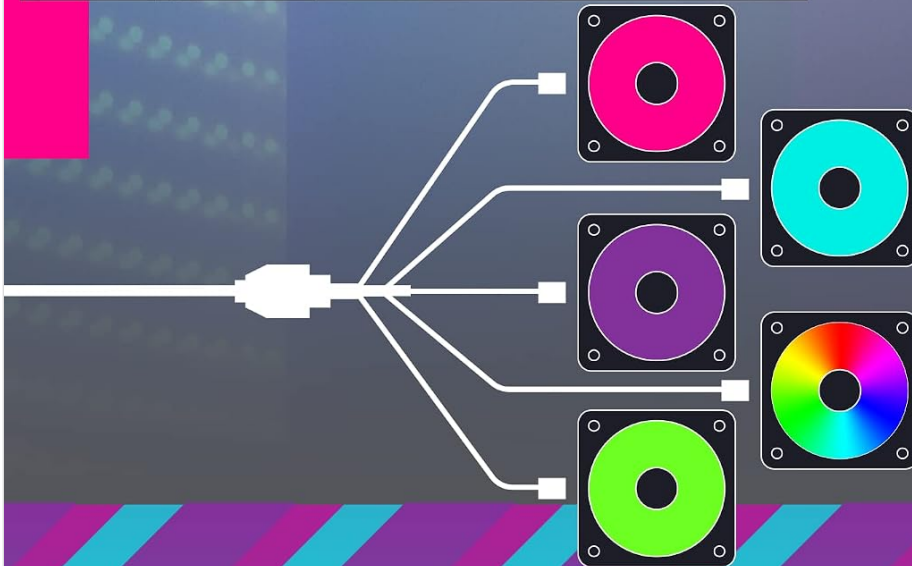
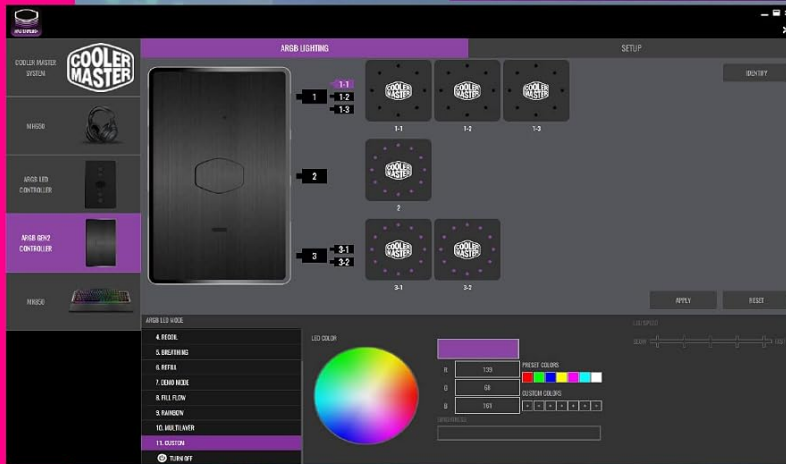
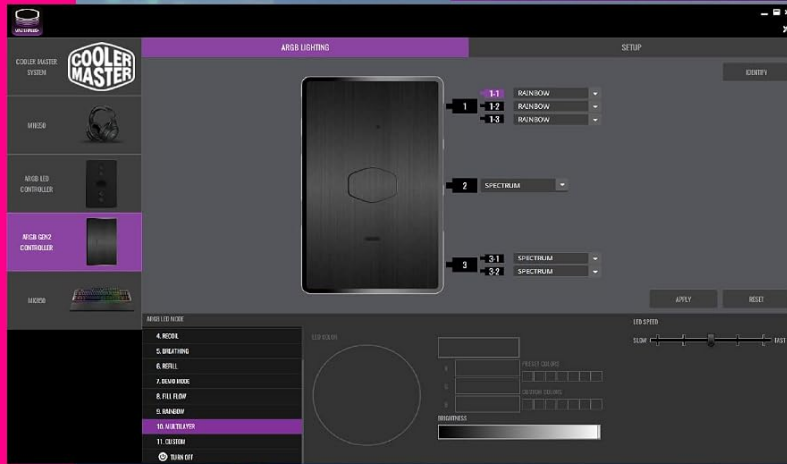


Image: Screenshot of the MasterPlus+ software interface in Custom Mode, demonstrating the ability to customize individual LED colors.

- **Multi-Layer Mode:** This mode allows you to apply different lighting effects across various devices simultaneously, creating complex and dynamic lighting scenes.

MULTI-LAYER MODE



Under the Multi-Layer mode, you can customize every devices in different lighting effect.

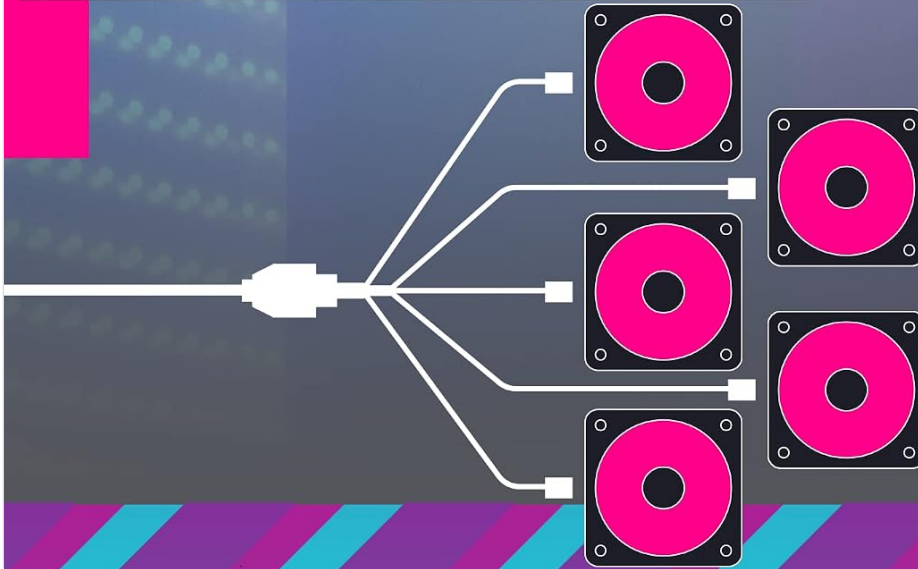


Image: Screenshot of the MasterPlus+ software interface in Multi-Layer Mode, showing how to apply different lighting effects to multiple devices.

- **Breathing Mode:** Apply a breathing effect to your devices, where the lights gently fade in and out.

BREATHING MODE

Under the breathing mode, you can customize every devices in different lighting effect.

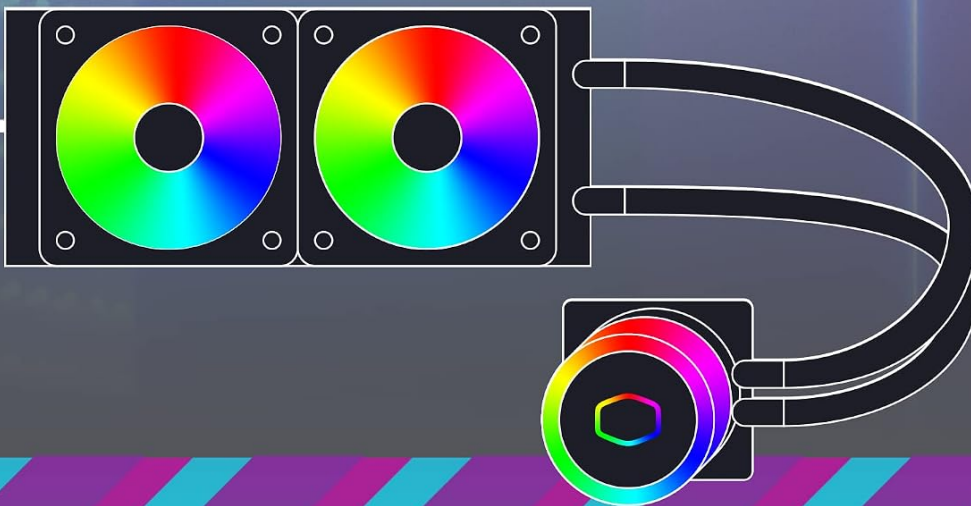
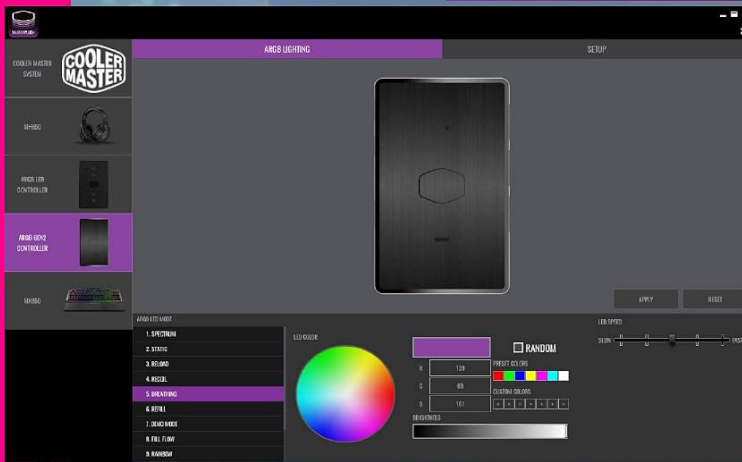


Image: Screenshot of the MasterPlus+ software interface in Breathing Mode, illustrating the breathing lighting effect on connected devices.

- **General Interface:** The software provides an intuitive and convenient interface for managing all your ARGB lighting.

ADDRESSABLE GEN 2 RGB

The controller works with Cooler Master's MasterPlus+ software, allowing you to customize each individual LED's color, effect, brightness, and more – all from an intuitive, convenient interface.



Image: General view of the MasterPlus+ software interface, showing various customization options for ARGB lighting.

MAINTENANCE

The Cooler Master Addressable Gen 2 RGB LED Controller A1 requires minimal maintenance. Ensure the following:

- Keep the controller in a dry, dust-free environment.
- Ensure all cable connections are secure and free from kinks or damage.
- Periodically check for and install updates for the MasterPlus+ software to ensure optimal performance and access to new features.

TROUBLESHOOTING

If you encounter issues with your Cooler Master Addressable Gen 2 RGB LED Controller A1, consider the following:

- **No Power/Lights:**

- Verify that the SATA power cable is securely connected to both the controller and the PSU.
- Ensure the PSU is powered on.
- **Devices Not Detected in Software:**
 - Check the 9-pin USB connection to the motherboard header.
 - Ensure the MasterPlus+ software is the latest version.
 - Restart your computer.
 - Verify that the ARGB devices are correctly connected to the controller's 3-pin ARGB headers.
- **Incorrect Colors/Effects:**
 - Ensure the correct device profiles are selected in the MasterPlus+ software.
 - Reset the lighting profile in the software.
- **Overheating (if connecting too many LEDs):**
 - While the controller supports up to 80 LEDs per header (240 total), ensure your connected devices do not exceed the controller's power limits. Refer to the specifications for detailed power output.

SPECIFICATIONS

Attribute	Value
Model Number	MFY-ACBN-NNUNN-R2
Brand	Cooler Master
Color	Black
Package Dimensions	6.3 x 3.46 x 2.2 inches
Item Weight	2.08 ounces
Hardware Interface	Ethernet <i>(Note: This refers to the internal data link protocol, not an external Ethernet port for network connection)</i>
Compatible Devices	ARGB Devices (Gen 2 and standard)
UPC	884102088971
Max LEDs Supported	Up to 240 (80 per header, 3 headers total)

WHAT'S IN THE BOX

- Cooler Master Addressable Gen 2 RGB LED Controller A1

Note: Additional cables (e.g., USB 2.0 header cable, SATA power cable) are typically included with your power supply unit or motherboard.

WARRANTY AND SUPPORT

For warranty information and technical support, please visit the official Cooler Master website or contact their customer service. Keep your proof of purchase for warranty claims.
Official Cooler Master Website: www.coolermaster.com

