

LEDAANAM WZ5

LEDAANAM WZ5 5-in-1 LED Controller Instruction Manual

Model: WZ5

1. PRODUCT OVERVIEW

This manual provides comprehensive instructions for the LEDAANAM WZ5 5-in-1 LED Controller. This versatile controller is designed to manage various DC12V-24V LED light strips, supporting DIM (single color dimming), RGB, RGBW, RGBWW, RW, and RCT modes. It enables users to control lighting effects, color, brightness, and speed across multiple zones.

The package includes the WZ5 controller unit and a compatible remote control.

2. SETUP AND INSTALLATION

Before installation, ensure the power supply is disconnected. This controller operates on a DC12V-24V input voltage. Incorrect voltage can damage the device and connected LED strips.

2.1 Wiring Connections

Connect the LED controller according to the diagram below. Ensure all connections are secure and correctly polarized (+/-).

- **Input:** Connect your DC12V-24V power supply to the "INPUT" terminals (+ and -) on the controller.
- **Output:** Connect your LED light strip(s) to the "OUTPUT" terminals. The controller supports 5 channels, with a maximum of 3A per channel. The specific wiring depends on your LED strip type (DIM, RGB, RGBW, RGBWW, RW, RCT). Refer to the output terminal labels for correct connections (e.g., W, CW, WW, B, G, R, +).



Figure 1: LEDAANAM WZ5 5-in-1 LED Controller and Remote Control. The image displays the white rectangular controller unit on the right, showing input (12-24VDC) and output terminals with labels for various LED strip types (W, CW, WW, B, G, R, +). On the left is the black remote control with a color wheel, zone selection (1-4), and buttons for mode, speed, brightness, and scene.

2.2 Controller Matching/Setting

The "MATCH/SET" button on the controller unit is used for network configuration and setting the controller mode for different LED strip types. Press and hold the button for specific durations to activate different functions:

- **Press hold 2s:** Reset network
- **Press hold 5s:** Configure network
- **Press hold 8s:** Set to DIM mode
- **Press hold 10s:** Set to CCT mode
- **Press hold 12s:** Set to RGB mode
- **Press hold 14s:** Set to RGBW mode
- **Press hold 16s:** Set to RGB-CCT mode

Ensure the controller is set to the correct mode corresponding to your LED strip type for proper functionality.

3. OPERATING INSTRUCTIONS

The remote control allows for intuitive operation of the LED controller. Ensure the remote is within the effective control distance of 30 meters.

3.1 Remote Control Functions

- **Zone Selection (1-4):** Select the desired lighting zone to control.
- **Power Button:** Turns the LED lights on or off.
- **Color Wheel:** For RGB/RGBW/RGBWW modes, touch the color wheel to select a specific color.
- **CCT (Correlated Color Temperature):** For CCT/RGB-CCT modes, adjust the white light temperature (warm white to cool white).
- **Mode (M):** Cycles through various pre-programmed lighting modes or effects.
- **Speed:** Adjusts the speed of dynamic lighting modes.
- **Brightness (Bright):** Adjusts the overall brightness of the lights (dimming range 0-100%).
- **Scene (S):** Recalls saved lighting scenes or pre-set effects.

The dimming range is 0-100%, allowing for precise control over light intensity.

4. MAINTENANCE

The LEDAANAM WZ5 controller requires minimal maintenance. To ensure longevity and proper function:

- Keep the device dry and away from moisture.
- Clean the controller and remote with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- Ensure adequate ventilation around the controller to prevent overheating.

5. TROUBLESHOOTING

If you encounter issues with your LEDAANAM WZ5 controller, consider the following:

- **Lights not turning on:**
 - Check power supply connections to the controller.
 - Verify LED strip connections to the controller output.
 - Ensure the power supply is functioning and providing the correct voltage (DC12V-24V).
- **Remote not responding:**
 - Ensure the remote's battery is functional.
 - Verify the remote is within the 30m control range.
 - Check if the controller is properly matched to the remote (refer to Section 2.2).
- **Incorrect color/mode:**
 - Confirm the controller is set to the correct LED strip type (DIM, RGB, RGBW, RGBWW, RW, RCT) using the MATCH/SET button (Section 2.2).
 - Check the wiring of the LED strip to the controller output terminals.

6. SPECIFICATIONS

| Parameter | Value |
|-----------|-------|
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|-------------------------|---------------------------|
| Model | WZ5 |
| Input Voltage | 12-24VDC |
| Output Type | Constant Voltage |
| Output Current | 5 channels, 3A/channel |
| Output Power | 5x (36-72) W |
| Grayscale | 4096/CH |
| Dimming Range | 0-100% |
| Remote Control Distance | 30m |
| Operating Temperature | -30°C ~ +55°C |
| Item Weight | 1.76 ounces |
| Package Dimensions | 0.39 x 0.39 x 0.39 inches |