

[Manuals.plus](#) /

› [Goldwin](#) /

› Goldwin Smart Single Color LED Strip Light Controller (Model ZJ-MW-S) User Manual

Goldwin ZJ-MW-S

Goldwin Smart Single Color LED Strip Light Controller User Manual

Model: ZJ-MW-S

1. PRODUCT OVERVIEW

The Goldwin Smart Single Color LED Strip Light Controller is designed to provide intelligent control over your single-color LED strip lights. It offers Wi-Fi and Bluetooth connectivity, allowing for remote operation via a smartphone application and voice commands through compatible smart home assistants like Amazon Alexa and Google Assistant. This controller supports various LED chip types, including 5050, 5630, 5730, 3528, 2835, 5054, 3014, 4014, 4040, 8520, and 7020, operating on DC 12V to 24V.

Key features include brightness dimming, timer settings, music synchronization, microphone sound control, and group control functionality for managing multiple devices simultaneously.



Figure 1: The Goldwin Smart Single Color LED Strip Light Controller. This image shows the compact white controller unit with its connecting wires.



Figure 2: A detailed view of the Goldwin Smart LED Controller, highlighting its compact design and Wi-Fi branding.

2. WHAT'S IN THE BOX

- 1 x Goldwin WiFi Controller
- 1 x User Manual

3. SPECIFICATIONS

Item	Mini single color LED WiFi controller
Applicable LED Chip Types	5050, 5630, 5730, 3528, 2835, 5054, 3014, 4014, 4040, 8520, 7020 etc.
Dimensions	5.3 x 2.4 x 1.1 cm (2.09 inches length)

Weight	20 g (0.64 ounces)
Control Signal	WiFi
Control App	Magic Home Pro
Color Channel	Single color
Input Voltage	DC 12-24 Volt
Output Current	0-5 A
Smart Home Compatibility	Amazon Alexa, Google Assistant
Control Method	Voice, App
Model Number	ZJ-MW-S
UPC	728619645602

4. SAFETY INFORMATION

- Use the product in a dry environment only.
- Ensure the input voltage is between 12V and 24V DC. **Do not connect directly to 110V AC.**
- The product requires a common anode connection. Incorrect wiring will cause malfunction.
- For any DIY modifications, contact customer service and operate under their guidance. Refer to the connection diagrams for proper wiring.

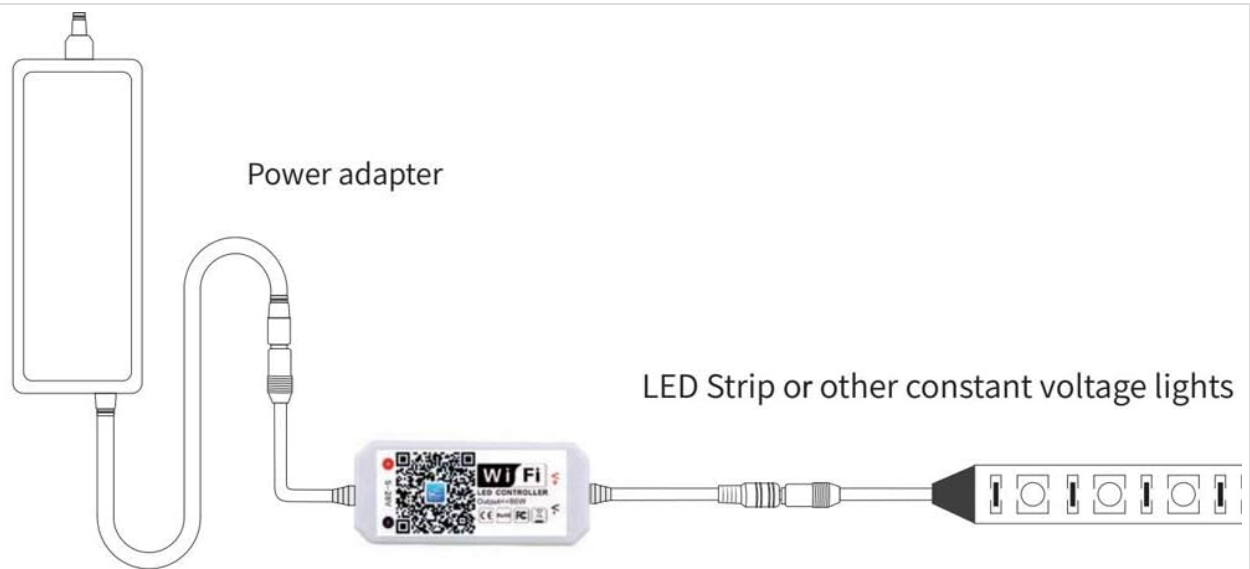
5. SETUP INSTRUCTIONS

5.1 Hardware Connection

Connect the Goldwin Smart LED Controller to your LED strip lights and power adapter as shown in the diagrams below. Ensure all connections are secure and follow the common anode connection requirement.



Figure 3: Connection schematic diagram. This diagram illustrates how to connect the power adapter to the LED controller and then to the LED strip or other constant voltage lights. It also shows the positive and negative pole connections for DIY modifications.



Connection schematic diagram

The connection between the controller and the power supply



Important Notice:

If you need to make DIY modification to the device, please contact our customer service and operate under their guidance. Precautions: please follow the left side diagram instruction when doing DIY modifications.

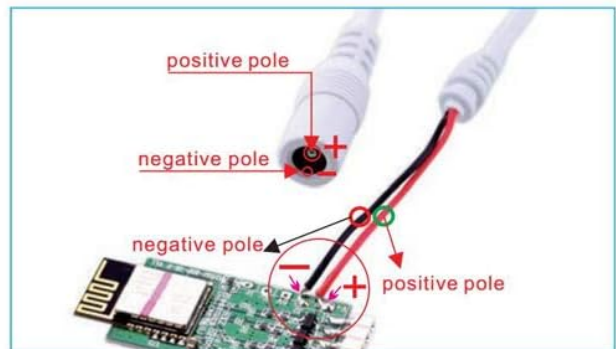


Figure 4: Physical connection of the Goldwin Smart LED Controller with an LED strip and AC adapter. The controller is a small white box with a QR code, connected via wires to the power source and the LED strip.

5.2 App Installation and Pairing

1. **Download the App:** Search for "Magic Home Pro" in your smartphone's app store (iOS or Android) and install it.
2. **Power On:** Connect the LED controller and strip lights to power. The lights should turn on.
3. **Open App:** Launch the Magic Home Pro app.
4. **Add Device:** Follow the in-app instructions to add a new device. The app will guide you through connecting the controller to your Wi-Fi network. *Note: During setup, it may be necessary to temporarily turn off your phone's mobile data to avoid interference with the Wi-Fi connection process.*
5. **Voice Assistant Integration:** Once connected to the app, you can link your Magic Home Pro account with Amazon Alexa or Google Assistant through their respective apps to enable voice control.

6. OPERATING INSTRUCTIONS

The Goldwin Smart LED Controller offers multiple ways to control your lights:

6.1 App Control (Magic Home Pro)

- **Remote Control:** Control your LED strip lights from anywhere using the Magic Home Pro app on your smartphone.
- **Brightness Adjustment:** Adjust the brightness of your lights within the app.
- **Timer Mode:** Set scheduled or countdown timers to automatically turn your lights on or off at specified times.
- **Music Mode & Mic Mode:** The lights can synchronize with music playing on your smartphone or respond to external sounds detected by your phone's microphone, creating dynamic lighting effects.
- **Group Control:** Group multiple Goldwin smart controllers together in the app to control them simultaneously with a single command.



Figure 5: The Magic Home Pro app interface on a smartphone, demonstrating remote control capabilities for LED lights, including brightness adjustment and scheduling.

6.2 Voice Control (Alexa & Google Assistant)

Once integrated with Amazon Alexa or Google Assistant, you can use voice commands to control your lights. Examples:

- "Alexa, turn on [Light Name]."
- "Hey Google, turn off [Light Name]."
- "Alexa, set [Light Name] to 50% brightness."
- "Hey Google, dim [Light Name]."

7. MAINTENANCE

The Goldwin Smart LED Controller requires minimal maintenance. Ensure it is kept in a dry environment and free from dust. Periodically check all connections to ensure they remain secure.

8. TROUBLESHOOTING

- **Lights Not Turning On:**
 - Check all power connections to the adapter, controller, and LED strip.
 - Verify the input voltage is 12-24V DC. Do not use 110V AC directly.
 - Ensure the LED strip and controller are connected with a common anode configuration.
- **Controller Offline/Cannot Connect to Wi-Fi:**
 - Ensure your Wi-Fi network is active and the controller is within range.

- Try resetting the controller: Unplug and replug the power adapter to the controller 4 times consecutively. This action typically resets the device to pairing mode.
- During app setup, temporarily disable your phone's mobile data to prevent interference with the Wi-Fi connection.
- If the issue persists, delete the device from the Magic Home Pro app and attempt the pairing process again.

- **Flickering Lights:**

- Ensure your LED strip lights are dimmable, as non-dimmable lights may flicker when controlled by a dimmer.

- **Voice Control Not Working:**

- Verify that your Magic Home Pro account is correctly linked to your Amazon Alexa or Google Assistant account.
- Check that the device name used in voice commands matches the name configured in your smart home assistant app.

9. WARRANTY AND SUPPORT

Goldwin provides a 12-month warranty for this product, ensuring its quality and performance. For technical assistance, troubleshooting, or warranty claims, please contact Goldwin customer service. Refer to the contact information provided with your purchase or on the official Goldwin website for support details.

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

Email

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

Details

Submit question

Open the live page

<https://manuals.plus/asin/B07JB5N3Y7>

More documents and user manuals: <https://manuals.plus/>