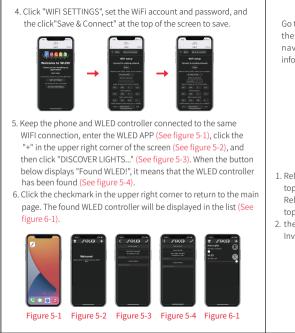
Product Parameter Model: AV0100GLD-E Input Voltage: DC 5-12-24V Output Current/Channel: 10A Max Total Output Current: 15A Max Temperature: -20~45°C Protocol: WiFi Dimensions: 108x45x18mm **GLEDOPTO Wiring Terminal Instructions** With 4 Channels I. The WLED controller can support a total of 4 output channels. The output terminal connections "V GND GPIO16 GPIO4 GPIO2 GPIO1" **ESP32 WLED Digital LED Controller** correspond to the "VCC DATA GND" pins of the digital LED strips. — User Instruction — 2. GPIO16 is the default output and should be prioritized for use; the other set, GPIO1, GPIO2, GPIO4 serves as a standby output and can be used only after configuration in the app. 3. Additionally IO33 are extended GPIO signal ports that can be DIY-customized for various applications. GL -C-017WL-D **GPIO16 Wiring Example**

APP Download Method .. Search for and download WLED Native in the App Store. 2 1 1 1 Android 1. Search for and download WLED Native in the Google Play Store. 2. Web Download: https://github.com/Aircoookie/WLED-App/releases **APP Configuration Steps** 1. Power on the WLFD controller. 2. Open the phone settings and enter WiFi settings, find "WLED-AP" and connect to it with the password "wled1234". Welcome to WLES Thank you for installing the payment of the control of the contro . After successful connection, it will automatically jump to the WLED page (or enter the website 4.3.2.1 in the browser to enter the WLED page).





Note: After Relay function configured, it will switch off the output power completely for saving energy. But please note, it cannot switch off the additional added power input of the strip lights connected.

Mic Configuration

- 1. Go to the WLED control page, click on "Config" in the top right corner, select "Usermods", find "Digitalmic" after entering, configure according to the configuration information, click "Save" after configuration is complete, and then power off the controller.
- 2. Go to the WLED control page, click on "Info" at the top, click on the button next to "AudioReactive" to use the Mic.

Configuration Information:

- 2, 12S SD pin: 26 1. Microphone type: Generic 12S
- 3. 12S WS pin: 5

- 4, 12S SCK pin: 21



Note: After microphone function configured, it will be only activated after rebooting the controller again.

Description of Button Functions

Restart:

Pressing the button will power off the controller module, releasing it will power it back on. Useful when the controller needs to be restarted after configuring the microphone.

Funciton:

- 1. Short press: Power on/off.
- 2. Long press for 1 second: Switch colors.
- 3. Long press for 10 seconds: Reset the WLED controller and activate the WLED-AP hotspot.



Reset to Factory Settings

- 1. Button Reset
- Long press the Function for 10 seconds.
- 2. APP Reset

Go to the WLED control page and click on the top right corner "Config". Click on "Security & Updates" at the bottom, and then scroll down to find "Factory reset" and check the box.



UART Download

- 1. Insert the Type-C data cable to initiate the serial port download.
- 2. Once the download is complete, the controller is ready for use.



Supported Chips

WS2805, WS2811, WS2811F, WS2812B, WS2814A, WS2815. SK6812, SM16703, SM16703SP3, FL19038, FW1935, UCS2903B, etc.

Troubleshooting and Solution

Number	Symptoms	Solution
1	Indicator light is not on	Check whether the input power connection is correct
2	APP shows "offline"	Check if the phone is on the same network as the controller. Check if the controller is out of the range of the WIFI connection, causing unstable connection. Turn off and on the controller to retre
3	APP is connected, but the light strip is not controllable	1. Check if the power supply is working properly. 2. Check if the power supply voltage matches the light strip. 3. Check if the input power connection is correct. 4. Check if the light strip connection is correct. 5. Check if the GPIO settings in the APP are correct. 6. Check if the light strip IC model in the APP is set correctly.
4	The brightness of the light strip is low, and the front and back colors are significantly different	Check if the power supply is working properly. Check if the power supply matches the light strip. Check if all connections are good, and use conductive and short wire: as much as possible for connection 4. Add power supply at an appropriat position. Check if the APP has set a limit on brightness or current.



- 1. Before turning on the power, please ensure that all connections are correct and secure, and do not operate while the power is on.
- or insufficient voltage may cause damage.
- 2. The product should be used under the rated voltage. Using it under excessive 3. Do not disassemble the product, as it may cause fire and electric shock.
- 4. Do not use the product in environments exposed to direct sunlight, moisture high temperatures, etc.
- 5. Do not use the product in metal shielded areas or around strong magnetic fields, as this may severely affect the wireless signal transmission of the

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