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› FCPLEXSW 2.4G Smart Control LED Driver Power Supply (GM110-120W) Instruction Manual

FCPLEXSW GM110-120W

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Model: GM110-120W

1. INTRODUCTION

Thank you for choosing the FCPLEXSW 2.4G Smart Control LED Driver Power Supply. This device is designed to provide stable power to LED lighting fixtures while offering intelligent control capabilities. Please read this manual thoroughly before installation and operation to ensure proper use and to prevent damage.

2. SAFETY INFORMATION

Always observe the following safety precautions to reduce the risk of fire, electric shock, or injury:

- Installation should be performed by a qualified electrician in accordance with all local and national electrical codes.
- Ensure the power supply is disconnected before installation, maintenance, or troubleshooting.
- Do not operate the device if it is damaged or if wires are exposed.
- Do not exceed the specified input voltage or output load.
- Keep the device away from water, moisture, and high temperatures.
- This device is intended for indoor use only unless otherwise specified.

3. PRODUCT OVERVIEW

The FCPLEXSW GM110-120W is a 2.4G intelligent control LED driver designed for various LED lighting applications, including ceiling lights and light bars. It converts AC input to a stable DC output suitable for LEDs.



Figure 1: Top view of the FCPLXSW GM110-120W LED Driver Power Supply, showing specifications printed on the casing.

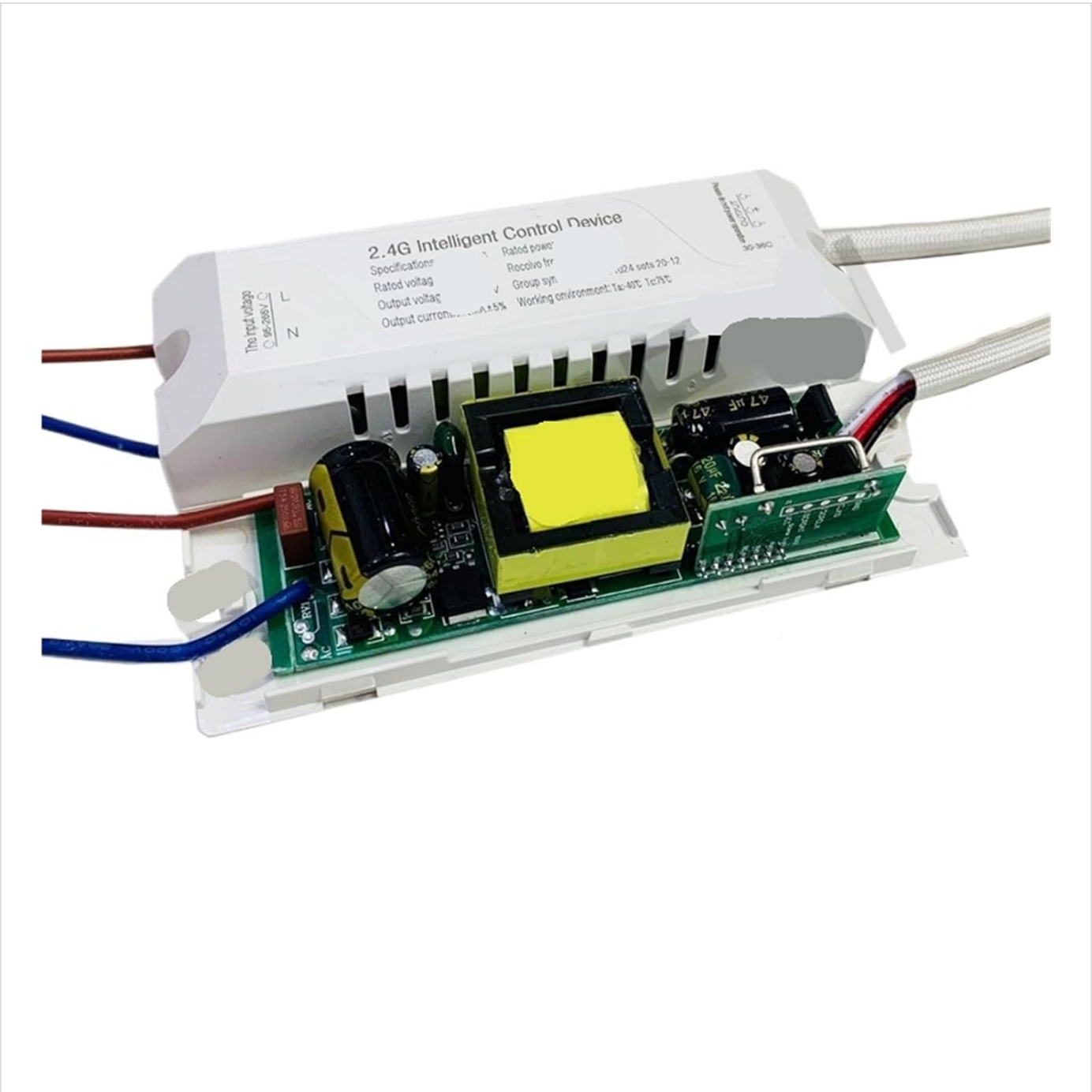


Figure 2: Internal view of the FCPLEXSW GM110-120W LED Driver Power Supply, illustrating the electronic components.

4. SPECIFICATIONS

Parameter	Value (GM110-120W)
Rated Power	110-120W
Rated Input Voltage	100-265V AC
Output Voltage	340-370V DC
Output Current	230mA ±10%
Receive Frequency	2.4G
Group Synchronization	1024 sets 23-07

Parameter	Value (GM110-120W)
Working Environment Temperature	-40°C to 75°C
Package Dimensions	1.18 x 0.79 x 0.39 inches
Item Weight	50 Grams (1.76 ounces)
Power Source	Corded Electric
Certifications	CE, UL

5. SETUP AND INSTALLATION

Follow these steps for safe and correct installation:

- Disconnect Power:** Before starting any electrical work, ensure the main power supply to the circuit is turned off at the breaker.
- Identify Wires:** The LED driver has input (AC) and output (DC) wires. Typically, input wires are marked 'L' (Live) and 'N' (Neutral) for AC connection, and output wires are marked '+' and '-' for DC connection to the LED fixture. Refer to the labels on the driver.
- Connect Input:** Connect the AC input wires from your mains power supply to the corresponding 'L' and 'N' terminals on the LED driver. Ensure connections are secure.
- Connect Output:** Connect the DC output wires from the LED driver to the LED lighting fixture. Ensure the polarity is correct (+ to + and - to -) to prevent damage to the LEDs.
- Secure the Driver:** Mount the LED driver in a suitable, well-ventilated location, away from direct heat or moisture. Ensure it is securely fastened.
- Restore Power:** Once all connections are secure and verified, restore power to the circuit.

Note: Incorrect wiring can cause damage to the device or LED fixture, and poses a safety risk. If you are unsure, consult a professional electrician.

6. OPERATING INSTRUCTIONS

This LED driver features 2.4G smart control capabilities, allowing for wireless operation of your connected LED lights. Specific pairing and control instructions will depend on the compatible 2.4G remote control or smart home system used with this driver.

General Operation:

- Power On/Off:** Once installed and powered, the LED driver will supply power to the connected LED fixture.
- 2.4G Control:** To utilize the smart control features, you will need a compatible 2.4G remote or control device. Follow the instructions provided with your 2.4G controller for pairing and operation (e.g., dimming, color temperature adjustment, group control).
- Group Synchronization:** The device supports group synchronization for controlling multiple drivers simultaneously. Refer to your 2.4G controller's manual for details on setting up groups.

7. MAINTENANCE

The FCPLEXSW LED driver is designed for long-term, reliable operation with minimal maintenance.

- Cleaning:** Ensure the power is off before cleaning. Use a dry, soft cloth to wipe the exterior of the driver. Do not use liquid cleaners or solvents.
- Inspection:** Periodically inspect the wiring for any signs of damage, fraying, or loose connections. Address any issues immediately after disconnecting power.

- **Ventilation:** Ensure the driver's mounting location allows for adequate airflow to prevent overheating.

8. TROUBLESHOOTING

If you encounter issues with your LED driver, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
LEDs do not light up	No power to the driver; Incorrect wiring; Faulty LED fixture; Driver failure.	Check circuit breaker and power connections. Verify input and output wiring polarity. Test LED fixture with another known good driver. Replace driver if faulty.
LEDs flicker or dim unexpectedly	Loose connections; Incompatible dimmer/controller; Overload; Driver overheating.	Check all wiring connections. Ensure 2.4G controller is compatible and properly paired. Verify total wattage of LEDs does not exceed driver's rated power. Ensure adequate ventilation.
2.4G control not responding	Controller not paired; Controller battery low; Interference.	Refer to your 2.4G controller's manual for pairing instructions. Replace controller batteries. Ensure no strong interference sources are nearby.
Driver is hot to the touch	Overload; Insufficient ventilation.	Reduce the load on the driver (ensure LED wattage is within specifications). Improve ventilation around the driver.

If the problem persists after attempting these solutions, please contact customer support.

9. WARRANTY AND SUPPORT

FCPLEXSW products are manufactured to high-quality standards. For warranty information or technical support, please refer to the purchase documentation or contact your retailer. Keep your proof of purchase for warranty claims.