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SHUTIQ 20-40WX2

User Manual

2.4G Tmall Genie Intelligent Language Control LED Drive Power Supply
Model: 20-40WX2 | Brand: SHUTIQ

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the SHUTIQ 2.4G Tmall Genie Intelligent Language Control LED Drive Power Supply, Model 20-40WX2. This device is designed to provide stable power to LED lighting systems, enabling intelligent dimming and color control via 2.4G remote and APP integration.

2. SAFETY INSTRUCTIONS

Please read these safety instructions carefully before installation and operation to prevent personal injury or product damage. Keep this manual for future reference.

- **Electrical Safety:** Installation should only be performed by a qualified electrician. Ensure power is disconnected before installation or maintenance.
- **Voltage Compatibility:** Verify that the input voltage (AC 75-265V) matches your electrical supply.
- **Environmental Conditions:** Do not expose the device to moisture, extreme temperatures, or corrosive environments. Operate within specified temperature ranges (Ta: -50°C to Tc: 75°C).
- **Load Compatibility:** Ensure the connected LED load is within the specified output range (20-40W x 2 channels).
- **Ventilation:** Ensure adequate ventilation around the power supply to prevent overheating.
- **Disposal:** Dispose of the product according to local electronic waste regulations.

3. PRODUCT OVERVIEW

The SHUTIQ LED Drive Power Supply is a compact unit designed for intelligent control of LED lights. It features 2.4G wireless communication for remote control and APP integration, allowing for dimming and color adjustment.



Figure 3.1: Front view of the SHUTIQ LED Drive Power Supply. This image shows the white rectangular casing of the power supply with input and output wires. The input wires (red and blue) are on one side, and the output wires (yellow and white) with a connector are on the other. Labeling on the casing indicates power specifications and certifications.



Figure 3.2: Angled view of the SHUTIQ LED Drive Power Supply. This perspective highlights the ventilation slots on the side of the white casing and provides a clearer view of the technical specifications printed on the top surface, including input voltage, output current, and temperature ratings.

Key Features:

- 2.4G Wireless Control: Compatible with Tmall Genie and other intelligent language control systems.
- Infinite Remote Control Dimming: Smooth brightness adjustment.
- Coloring Power Supply: Supports color changing LED applications.
- Wide Input Voltage Range: AC 75-265V.
- RoHS Compliant.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of the LED drive power supply. Ensure all safety instructions are followed.

1. **Power Disconnection:** Before starting, ensure the main power supply to the circuit is turned off at the breaker.

2. **Mounting:** Choose a suitable location for mounting the power supply, ensuring adequate ventilation and protection from moisture.
3. **Input Wiring:** Connect the AC input wires (typically brown/red for Live, blue/black for Neutral) from your mains supply to the corresponding input terminals on the power supply. Refer to the labels on the device (L and N).
4. **Output Wiring:** Connect the output wires from the power supply (yellow and white) to your LED lighting fixture. Ensure correct polarity if specified by your LED fixture. The output is DC 80-140V.
5. **Secure Connections:** Double-check all wire connections to ensure they are secure and properly insulated.
6. **Power Restoration:** Once all connections are secure and verified, restore power to the circuit.

Note: For intelligent control features (Tmall Genie, APP), refer to the specific instructions provided with your 2.4G remote control or smart home application for pairing and configuration.

5. OPERATING INSTRUCTIONS

This LED drive power supply operates in conjunction with a 2.4G remote control or a compatible smart home application (e.g., Tmall Genie APP) for dimming and color control.

- **Basic Operation:** Once installed and powered, the LED lights connected to the driver will illuminate.
- **Dimming:** Use the dimming controls on your 2.4G remote or within the paired smart home APP to adjust the brightness of the connected LED lights.
- **Color Control:** If your LED lights support color changing, use the color controls on your remote or APP to select desired colors or color temperatures.
- **Pairing:** Refer to your 2.4G remote or smart home hub's manual for instructions on how to pair the LED driver with your control device. Typically, this involves a specific power cycle sequence or button press on the remote.

6. MAINTENANCE

The SHUTIQ LED Drive Power Supply requires minimal maintenance. Regular checks can ensure optimal performance and longevity.

- **Cleaning:** Ensure the unit is clean and free from dust accumulation, especially around ventilation slots. Use a dry, soft cloth for cleaning. Do not use liquid cleaners.
- **Connection Check:** Periodically inspect wiring connections to ensure they remain secure and free from corrosion. Ensure power is off before checking connections.
- **Environmental Check:** Verify that the operating environment remains within the specified temperature and humidity ranges.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
LED lights do not turn on.	No power supply; Incorrect wiring; Faulty LED fixture; Driver failure.	Check power source and circuit breaker. Verify input and output wiring. Test LED fixture with another power source if possible. Contact support if driver is suspected faulty.
Lights flicker or dim inconsistently.	Loose connections; Overload/Underload; Incompatible LED fixture; Interference.	Secure all wiring connections. Ensure LED load is within 20-40W x 2 range. Verify LED fixture compatibility with dimmable drivers. Check for nearby sources of electrical interference.
Remote control/APP not working.	Not paired; Battery low (remote); APP issue; Signal interference.	Ensure the driver is correctly paired with the remote/APP. Replace remote batteries. Restart APP or smart home hub. Reduce distance between remote/hub and driver.
Driver feels excessively hot.	Poor ventilation; Overload; High ambient temperature.	Ensure adequate airflow around the unit. Verify LED load is within specifications. Ensure ambient temperature is within operating limits (Ta: -50°C to Tc: 75°C).

8. SPECIFICATIONS

Technical specifications for the SHUTIQ 2.4G Tmall Genie Intelligent Language Control LED Drive Power Supply:

Parameter	Value
Model	20-40WX2
Input Voltage	AC 75-265V, 50/60Hz
Output Voltage	DC 80-140V
Output Current	250mA ±10mA
Output Power	20-40W x 2 channels
Operating Temperature (Ta)	-50°C
Case Temperature (Tc)	75°C
Control Method	2.4G Wireless, APP (Tmall Genie)
Compliance	RoHS

9. WARRANTY AND SUPPORT

For warranty information and technical support, please contact SHUTIQ customer service through the retailer where the product was purchased or visit the official SHUTIQ website. Please have your product model number (20-40WX2) and purchase date available when contacting support.

Note: Unauthorized disassembly or modification of the product will void the warranty.