

Instruction Manual for LD-SD002 Intelligent LED Driver Power Supply

1. Product Overview

This product supports TUYA APP WIFI and Bluetooth connection to realize intelligent light control.

2. Basic Product Information

- a. Product Name: Intelligent LED Downlight Power Supply
- b. Model: LD-SD002
- c. Input Voltage: AC 100–240V 0.1A 50/60Hz
- d. Output: DC 10–0.5A, 5 channels (R-G-B-C-W)
- e. Applicable Luminaires: LED modules within 5W
- f. Housing: Anti-oxidation iron shell
- g. Dimensions: L150×W34×H32mm
- i. Weight: 116g

3. Product Appearance and Functional Features



- a. Separate design of power supply and light fixture, with male and female plugs for easy connection and installation.
- b. Wiring can be installed in a concealed manner, ensuring safety and an attractive appearance.

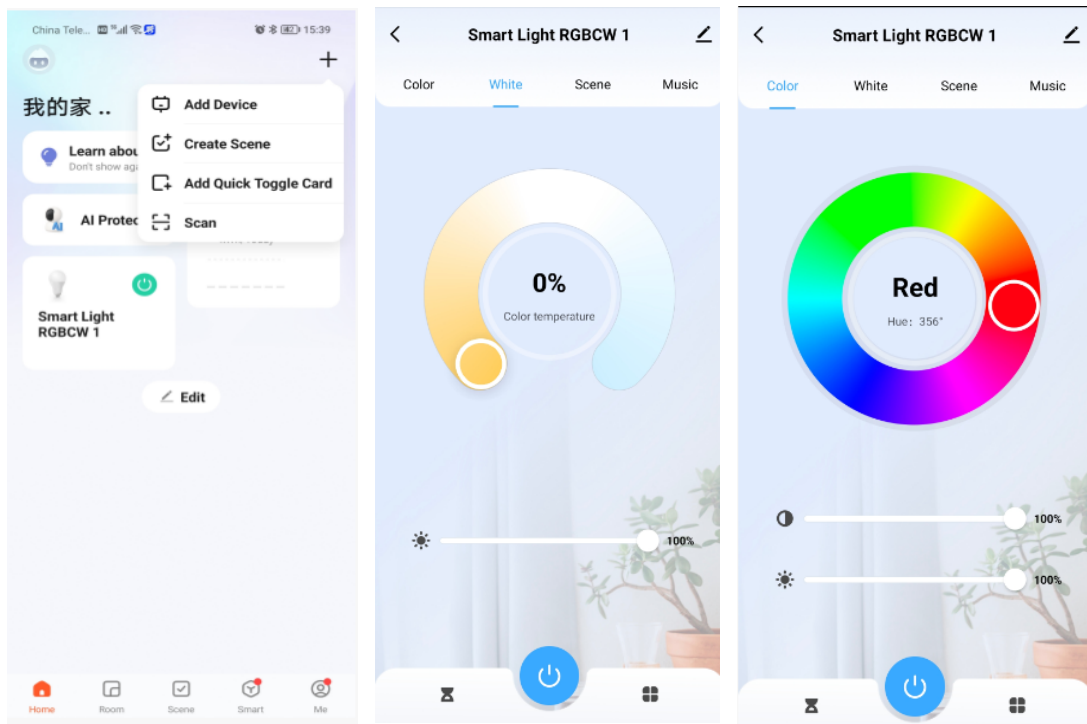
4. APP Installation and Usage

- a. Scan the QR code (shown below) to download and install the application, or search for and install "SmartLife" or "Tuya Smart" from the app store on your mobile phone or iPad.



- b. After downloading the APP, the general operation steps are as follows:
- A. Power on the device safely;
 - B. Add the device (turn on Bluetooth and location service on your phone);
 - C. You can rename the device as needed. After successful addition, intelligent personalized settings and applications are available.
 - D. Network configuration method:

Reset by switching the AC power on and off 3 times. The LED light will flash 18 times. Device adding is valid within 3 minutes. If it times out, reset by switching the AC power on and off 3 times again.



5. Product Precautions

- a. For indoor use only; do not use in damp or wet environments.
- b. Install properly in accordance with electrical safety requirements. When multiple devices are used simultaneously, connect them in parallel: live wire to live wire, neutral wire to neutral wire.

c. Place the device as close to the router as possible. A distance within 10 meters without wall obstruction is recommended. If the signal is weak through walls, adding an extra router is advised to ensure stable WIFI signal and better user experience.

FCC Caution:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body