

LEDLUX SH101WR (8050714945984)

LEDLUX SH101WR Smart WiFi + RF Smart Switch User Manual

Model: SH101WR (8050714945984)

1. INTRODUCTION

The LEDLUX SH101WR is a smart WiFi and RF-enabled switch designed to integrate traditional electrical appliances into a smart home ecosystem. This device allows for remote control via a smartphone application, voice commands through compatible smart assistants like Amazon Alexa and Google Home, and local control using a 433 MHz RF remote. Its compact design facilitates installation in various electrical setups, providing convenient automation for lighting, small appliances, and other connected devices.

This manual provides detailed instructions for the installation, configuration, and operation of the LEDLUX SH101WR Smart Switch.

2. SAFETY INFORMATION

- **Electrical Safety:** Installation must be performed by a qualified electrician or a person with a thorough understanding of electrical wiring. Always disconnect power at the circuit breaker before installation, maintenance, or removal.
- **Voltage and Current:** Ensure the connected load does not exceed the maximum current rating of 10A and operating voltage of 220V. Overloading can cause damage to the device and pose a fire hazard.
- **Environment:** Do not install the device in damp environments or near flammable materials. Operate within specified temperature and humidity ranges.
- **Children:** Keep the device out of reach of children.
- **Damage:** Do not use the device if it appears damaged.

3. PACKAGE CONTENTS

- 2 x LEDLUX SH101WR Smart WiFi + RF Smart Switches
- Mounting Screws (typically 4 per switch)
- User Manual (this document)



Image: Two LEDLUX SH101WR Smart WiFi + RF Smart Switches, showing their compact white plastic casing and labeled terminals.

4. PRODUCT OVERVIEW

The LEDLUX SH101WR Smart Switch features input and output terminals for electrical connections, a pairing button, and an LED indicator for status feedback. Its compact form factor allows for discreet installation.



Image: A close-up view of the LEDLUX SH101WR Smart Switch, highlighting the 'L Input', 'N Input', 'L Output', and 'N Output' terminals, along with the Wi-Fi, RoHS, CE, and FC certifications. The pairing button is also visible.

Key Components:

- **Input Terminals (L, N):** Connect to the main power supply (Live and Neutral).
- **Output Terminals (L, N):** Connect to the appliance or light fixture you wish to control.
- **Pairing Button:** Used for initiating WiFi pairing mode and RF pairing.
- **LED Indicator:** Displays the status of the switch (e.g., pairing mode, connected, on/off).

5. SPECIFICATIONS

Feature	Detail
Model Number	SH101WR (8050714945984)
Brand	LEDLUX
Operating Voltage	AC 90-250V, 50/60Hz
Max. Current Rating	10A
Max. Power	2200W
Connectivity Protocol	Wi-Fi (IEEE 802.11 b/g/n 2.4GHz)
RF Frequency	433 MHz
Compatible Devices	Amazon Alexa, Google Home
Operating Mode	ON-OFF
Material	Plastic
Dimensions (L x W x H)	88mm x 38mm x 23mm



Image: The LEDLUX SH101WR Smart Switch with its physical dimensions clearly marked: 88mm length, 39mm width (note: image shows 39mm, spec says 38mm, using image value for consistency with visual), and 23mm height.

6. SETUP

6.1. Electrical Installation

1. **Power Off:** Before starting, ensure the main power supply to the circuit is turned off at the circuit breaker.
2. **Connect Input:** Connect the Live (L) and Neutral (N) wires from your main power supply to the 'L Input' and 'N Input' terminals on the smart switch, respectively.
3. **Connect Output:** Connect the Live (L) and Neutral (N) wires of your appliance or light fixture to the 'L Output' and 'N Output' terminals on the smart switch, respectively.
4. **Secure Wiring:** Ensure all wire connections are tight and secure.
5. **Mounting:** Mount the smart switch securely in a suitable electrical box or enclosure using the provided screws.
6. **Power On:** Restore power at the circuit breaker. The LED indicator on the switch should light up.



Image: A side view of the LEDLUX SH101WR Smart Switch with its terminal cover removed, revealing the internal wiring area. Four mounting screws are shown alongside the device, illustrating the installation components.

6.2. App Installation and WiFi Pairing

1. **Download App:** Download the "Tuya Smart" or "Smart Life" app from your smartphone's app store (available for iOS and Android).
2. **Register/Login:** Open the app and register for a new account or log in if you already have one.

3. **Enter Pairing Mode:** Press and hold the pairing button on the smart switch for approximately 5-7 seconds until the LED indicator starts blinking rapidly. This indicates it is in WiFi pairing mode.
4. **Add Device:** In the app, tap the "+" icon (or "Add Device") and select "Electrical Switch" or "Switch (Wi-Fi)".
5. **Confirm Blinking:** Confirm that the indicator light is blinking rapidly in the app.
6. **Connect to WiFi:** Enter your 2.4GHz WiFi network password. The device does not support 5GHz WiFi.
7. **Pairing:** The app will begin searching for and connecting to the device. Once connected, you can rename the switch and assign it to a room.

6.3. RF Remote Pairing (Optional)

The SH101WR is compatible with 433 MHz RF remote controls (e.g., ASINs: B095LP9QMK, B095LZBMQY, B09JGMYJSP, B09JGMX8LL, B09JGNY2).

1. **Enter RF Pairing Mode:** Briefly press the pairing button on the smart switch once. The LED indicator will light up steadily for a short period.
2. **Press Remote Button:** Within 3 seconds, press the desired button on your 433 MHz RF remote control that you wish to associate with the switch.
3. **Confirmation:** The LED indicator on the smart switch will flash to confirm successful pairing.
4. **Clear RF Pairing:** To clear all paired RF remotes, press and hold the pairing button for approximately 10 seconds until the LED indicator flashes rapidly, then release.

7. OPERATING INSTRUCTIONS

7.1. Manual Control

The smart switch can be manually controlled by briefly pressing the pairing button. Each press will toggle the connected appliance or light between ON and OFF states.

7.2. App Control

Once paired with the Tuya Smart or Smart Life app, you can control the switch from anywhere with an internet connection:

- **On/Off:** Tap the switch icon in the app to toggle the power.
- **Scheduling:** Set timers or schedules for automatic on/off operations.
- **Scenes:** Create custom scenes to control multiple smart devices simultaneously.
- **Automation:** Set up automations based on conditions like weather, device status, or time.

7.3. Voice Control (Alexa/Google Home)

To enable voice control, link your Tuya Smart or Smart Life account to Amazon Alexa or Google Home:

1. **Link Account:** In the Alexa or Google Home app, navigate to the 'Skills & Games' (Alexa) or 'Works with Google' (Google Home) section. Search for "Tuya Smart" or "Smart Life" and enable the skill/service.
2. **Login:** Log in with your Tuya Smart/Smart Life account credentials.
3. **Discover Devices:** Once linked, ask Alexa or Google Home to discover new devices. Your smart switch will appear in the device list.
4. **Voice Commands:** You can now use voice commands such as:
 - "Alexa, turn on [Switch Name]"
 - "Hey Google, turn off [Switch Name]"



Image: The LEDLUX SH101WR Smart Switch displayed alongside logos for Amazon Alexa, Google Assistant, and IFTTT, indicating its compatibility with these smart home platforms. A WiFi logo, a remote control, and a smartphone are also shown, representing various control methods.

7.4. RF Remote Control

If you have paired an RF remote control, simply press the corresponding button on the remote to toggle the switch's power state.

8. MAINTENANCE

- **Cleaning:** Disconnect power before cleaning. Wipe the device with a soft, dry cloth. Do not use liquid cleaners or solvents.
- **Firmware Updates:** The Tuya Smart/Smart Life app may periodically offer firmware updates for the device. It is recommended to install these updates to ensure optimal performance and security.
- **Regular Checks:** Periodically check the wiring connections to ensure they remain secure.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Device not powering on	No power supply; incorrect wiring	Check circuit breaker; verify wiring connections (L/N input)
LED indicator not blinking rapidly for WiFi pairing	Not in pairing mode	Press and hold the pairing button for 5-7 seconds until it blinks rapidly.
Device offline in app	No internet connection; WiFi signal too weak; device disconnected	Check router and internet connection; move device closer to router; re-pair if necessary.
Cannot connect to 5GHz WiFi	Device only supports 2.4GHz WiFi	Ensure your phone is connected to a 2.4GHz WiFi network during pairing.
RF remote not controlling switch	RF remote not paired; incorrect pairing procedure	Repeat RF pairing procedure (Section 6.3). Ensure remote is 433 MHz compatible.

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the purchase documentation or contact LEDLUX customer service directly. Details may be available on the official LEDLUX website or through your retailer.

Please have your model number (SH101WR) and purchase date ready when contacting support.

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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

Anonymous

Email

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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

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

