LEDLUX SHZ108ZR

LEDLUX SHZ108ZR ZigBee + RF Curtain Switch Module User Manual

Model: SHZ108ZR | Brand: LEDLUX

1. INTRODUCTION

Thank you for choosing the LEDLUX SHZ108ZR ZigBee + RF Curtain Switch Module. This module is designed to transform traditional electric roller shutters or motorized blinds into smart, controllable devices. It offers versatile control options including traditional wall switches, RF 433 MHz remote controls, and smart home integration via ZigBee protocol, compatible with popular platforms like Amazon Alexa and Google Home. This manual provides essential information for safe installation, operation, and maintenance of your device.

2. PRODUCT FEATURES

- **Smart Control:** Convert standard electric roller shutters into smart devices controllable via smartphone applications (Tuya Smart, Smart Life) or voice commands (Amazon Alexa, Google Home).

- **3-in-1 Control:** Supports control via traditional double-mount buttons, RF 433 MHz remote controls (sold separately, e.g., SKU: SH1901, SH1909), and ZigBee protocol.

- **Power Specifications:** Operates at 220V 2A, supporting a maximum load of 440W. Designed for controlling a single roller shutter, motorized blind, or similar electric curtain with a maximum 2A motor.

- **Compact Design:** Small dimensions (52 x 47 x 18 mm) allow for installation directly into a standard 503 electrical box or a deviation box.

- **Flexible Mounting:** Includes a wall mount clip or DZ47 rail for convenient installation.

- **Scheduling & Timer:** Program custom schedules for opening and closing roller shutters, or use the countdown timer function (1 minute to 6 hours) for automated operation.

- **Broad Compatibility:** Works with Tuya Smart and Smart Life applications, and integrates with Amazon Echo, Echo Dot, Amazon Tap, Google Home, and Google Nest for voice control.

3. PACKAGE CONTENTS

- LEDLUX SHZ108ZR ZigBee + RF Curtain Switch Module
- Wall mount clip or DZ47 rail
- User Manual (this document)

Note: RF 433 MHz remote controls and ZigBee hub are sold separately.

4. SPECIFICATIONS

Parameter	Value
Model Number	SHZ108ZR
Brand	LEDLUX
Operating Voltage	220 Volts
Current Rating	2 A
Max Wattage	440 Watts
Product Dimensions (L x W x H)	30 x 60 x 60 mm
Material	Plastic
Color	Grey
Switch Type	Push-button, 1-way
Operating Mode	Push-button, Off
Contact Type	Normally Open
Connector Type	Screw Terminal
Batteries Required	No
Compatibility	ZigBee, RF 433, Tuya Smart, Smart Life, Amazon Alexa, Google Home

5. SAFETY INFORMATION

Please read all safety instructions carefully before installation and use. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- Installation must be performed by a qualified electrician in accordance with local electrical codes.
- Ensure power is disconnected at the circuit breaker before installation or maintenance.
- Do not exceed the maximum load rating of 2A / 440W.
- This module is designed for indoor use only. Avoid exposure to moisture or extreme temperatures.
- Keep out of reach of children.
- Do not attempt to repair or modify the device. Contact support if issues arise.

6. INSTALLATION & SETUP

6.1 Wiring Diagram and System Overview

The module integrates into your existing electrical system to control roller shutters. A ZigBee hub (gateway) is required for smart control via the app and voice assistants.
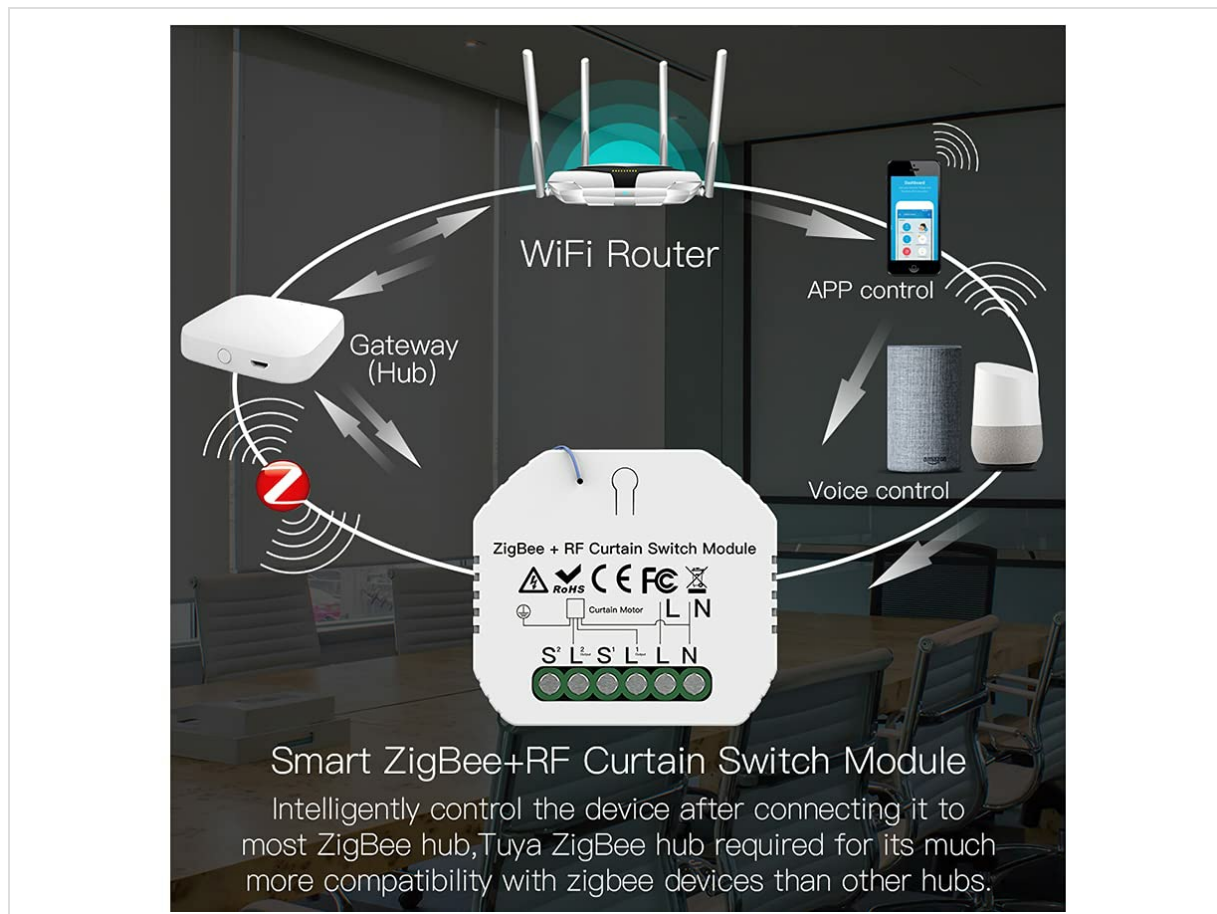

Figure 1: System overview illustrating the connection of the ZigBee module to a ZigBee hub, WiFi router, and smart control devices.

6.2 Physical Installation

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

2. **Access Wiring:** Open the electrical box where your roller shutter switch is located.

3. **Connect Wires:** Connect the module according to the wiring diagram provided with your roller shutter motor and existing switch. The module has terminals for Line (L), Neutral (N), and motor control (S1, S2, L, N for motor).

4. **Mount Module:** Due to its compact size (52 x 47 x 18 mm), the module can be installed directly inside a standard 503 electrical box or a deviation box. Use the included wall mount clip or DZ47 rail if necessary.

5. **Secure and Close:** Carefully place the module and wiring back into the electrical box, ensuring no wires are pinched. Close the electrical box cover.

6. **Restore Power:** Turn the main power supply back on at the circuit breaker.
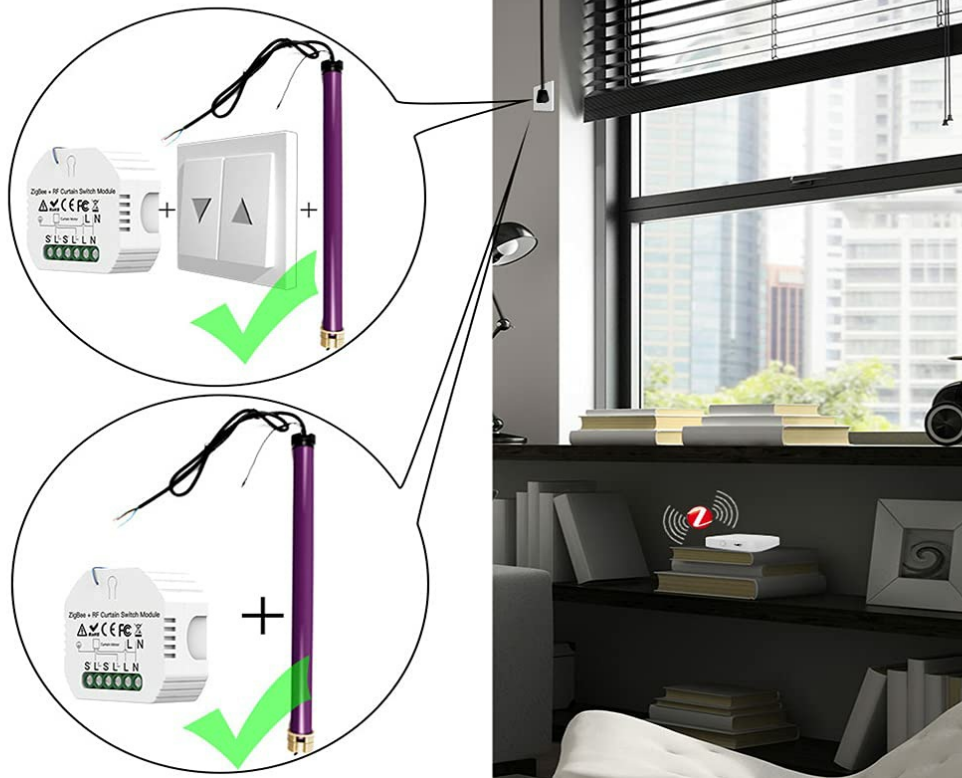
Figure 2: Installation options for connecting the module with or without a traditional curtain switch.

6.3 App Pairing (ZigBee)

1. **Download App:** Download the 'Tuya Smart' or 'Smart Life' app from your smartphone's app store (iOS or Android).

2. **Register**/**Login:** Create an account or log in to your existing account.

3. **Add Device:** Ensure your ZigBee hub (gateway) is already set up and connected to the app. In the app, select 'Add Device' or the '+' icon, then choose the ZigBee Curtain Switch category.

4. **Enter Pairing Mode:** Follow the app's instructions to put the SHZ108ZR module into pairing mode. This usually involves pressing a button on the module or cycling its power.

5. **Complete Pairing:** The app will detect and add the module. Once added, you can rename the device and assign it to a room.

7. OPERATING INSTRUCTIONS

7.1 Manual Control

If connected to a traditional double-mount wall switch, you can operate the roller shutters manually by pressing the 'Up' or 'Down' buttons on the wall switch.

7.2 App Control

Once paired with the Tuya Smart or Smart Life app, you can control your roller shutters from anywhere using your smartphone.

- Open the app and select your curtain switch module.
- Use the on-screen controls to open, close, or pause the roller shutters at any desired position.

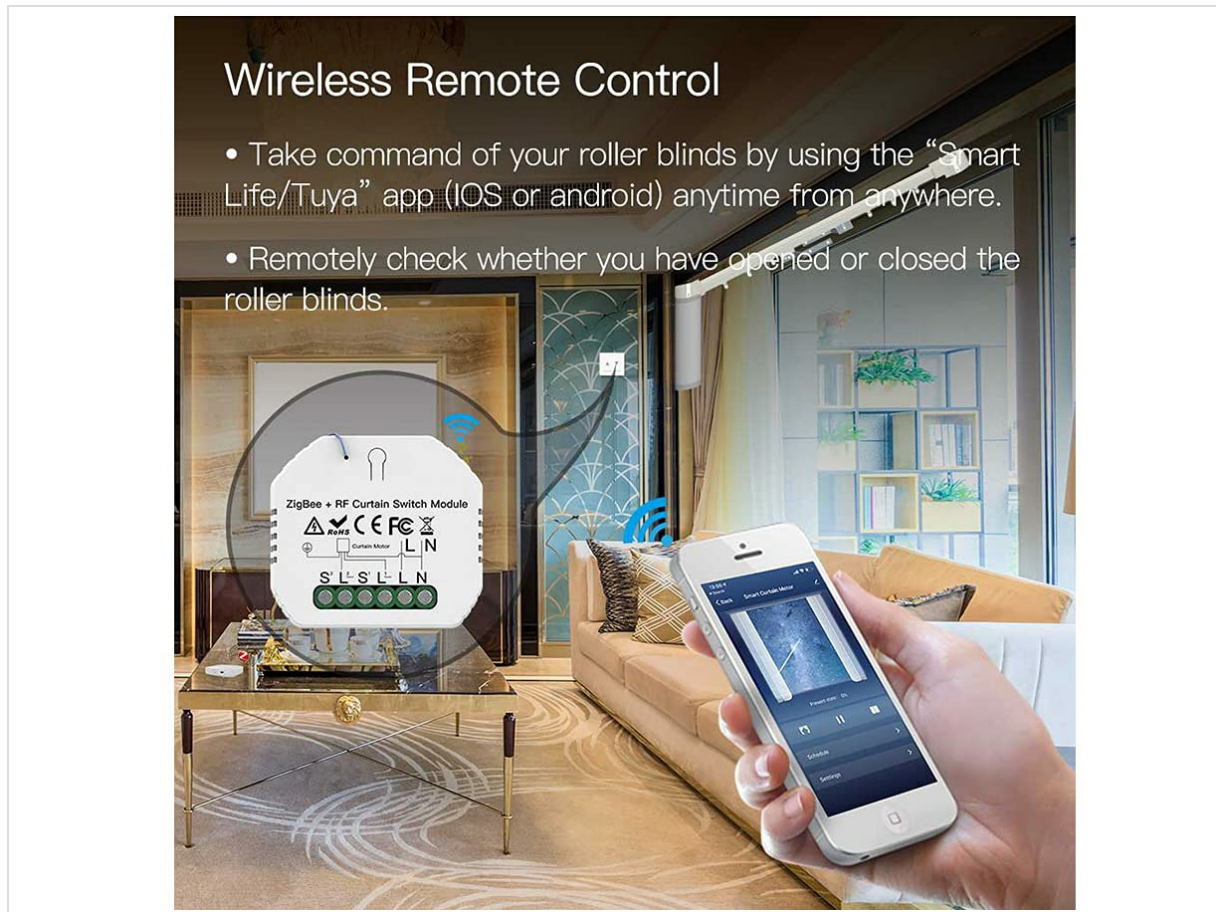- The app also allows you to check the current status (open/closed) of your roller blinds remotely.

Figure 3: Smartphone app interface for wireless remote control of roller blinds.

7.3 Voice Control (Alexa/Google Home)

Integrate the Tuya Smart or Smart Life app with your Amazon Alexa or Google Home account to enable voice commands.

- **For Alexa:** Enable the 'Tuya Smart' or 'Smart Life' skill in the Alexa app and link your account.
- **For Google Home:** Link the 'Tuya Smart' or 'Smart Life' service in the Google Home app.
- Use commands such as: