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› Martin Jerry RP-ZB-S01 Zigbee Smart Switch Instruction Manual

Martin Jerry RP-ZB-S01

Martin Jerry RP-ZB-S01 Zigbee Smart Switch Instruction Manual

Model: RP-ZB-S01

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Martin Jerry RP-ZB-S01 Zigbee Smart Switch. Please read this manual thoroughly before installation and use to ensure proper function and safety.

The RP-ZB-S01 is a 1-channel rocker paddle smart light switch designed for single-pole wiring configurations. It operates on Zigbee 3.0 protocol and does not require a neutral wire, making it suitable for older homes. It is compatible with popular smart home ecosystems like Alexa, Google Home, SmartThings, and Hubitat.

2. SAFETY INFORMATION

WARNING: RISK OF ELECTRIC SHOCK. Improper installation can be dangerous or illegal. Always consult a qualified electrician if you are unsure about any part of the installation process.

- Turn off power at the circuit breaker before installing or servicing the switch.
- Ensure the voltage is 120VAC, 60Hz.
- This switch is designed for single-pole installations only. It is not compatible with 3-way switch configurations.
- Do not exceed the maximum load rating of 10 Amps.
- This device requires a Zigbee 3.0 compatible hub for smart functionality.
- Minimum load for LED lights is 5W.

3. PACKAGE CONTENTS

- Martin Jerry RP-ZB-S01 Zigbee Smart Switch
- Mounting Screws

- Wire Nuts
- Washers

Note: A faceplate is not included and must be purchased separately.

4. SPECIFICATIONS

Feature	Detail
Model Number	RP-ZB-S01
Dimensions (L x W x H)	4.1 x 1.7 x 2.3 inches
Weight	4.16 ounces
Operating Voltage	120 Volts (AC), 60Hz
Current Rating	10 Amps
Circuit Type	1-way (Single Pole)
Neutral Wire Required	No
Minimum LED Load	5W
Operation Mode	ON-OFF (Relay Switch)
Wireless Protocol	Zigbee 3.0
Material	Plastic

5. INSTALLATION GUIDE

The Martin Jerry RP-ZB-S01 is designed for easy installation in single-pole setups without a neutral wire. Follow these steps carefully:

5.1 Pre-Installation Checklist

- Verify your wiring is a single-pole configuration (one switch controlling one light fixture). This switch is not for 3-way setups.
- Ensure you have a Zigbee 3.0 compatible hub (e.g., Samsung SmartThings, Hubitat, SmartLife app gateway).
- Confirm your light fixture has a minimum LED load of 5W.
- Gather necessary tools: screwdriver, wire strippers, electrical tape, voltage tester.

5.2 Wiring Instructions

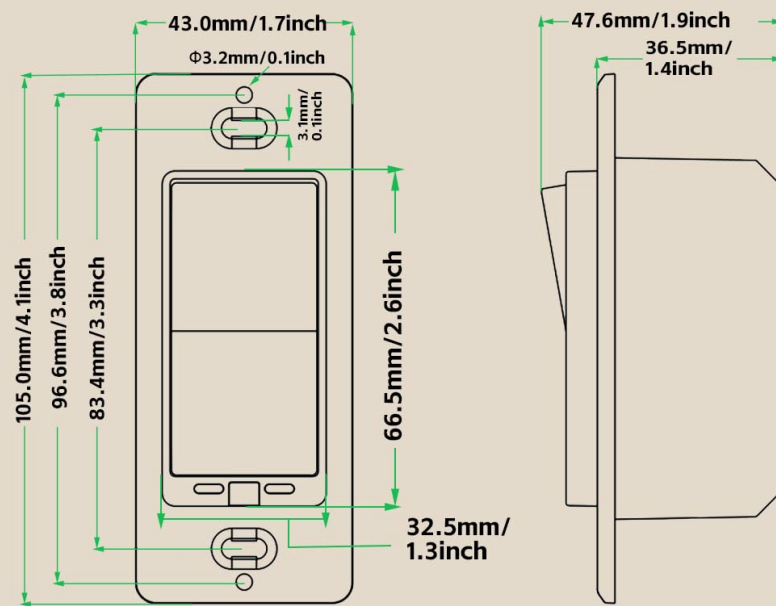
1. **Turn off power:** Locate your circuit breaker and turn off the power to the switch you are replacing. Verify power is off using a voltage tester.
2. **Remove old switch:** Carefully remove the existing wall plate and unscrew the old switch from the wall box. Disconnect the wires.
3. **Identify wires:** In a non-neutral setup, you will typically find a Live wire (often black), a Load wire (often black or red, going to the light fixture), and a Ground wire (bare copper or green).
4. **Connect the smart switch:**

- Connect the Live wire from the wall box to the 'Live' wire on the smart switch using a wire nut.
 - Connect the Load wire from the wall box (going to the light) to the 'Load' wire on the smart switch using a wire nut.
 - Connect the Ground wire from the wall box to the 'Ground' wire on the smart switch using a wire nut.
5. **Adjust Night Light (Pre-installation):** Before securing the switch into the wall box, locate the small knob on the side of the switch. This knob adjusts the brightness of the night light. Set it to your desired brightness as it will not be accessible after installation.
 6. **Mount the switch:** Carefully fold the wires into the wall box. Secure the smart switch to the wall box using the provided screws. Ensure the switch is flush with the wall.
 7. **Install faceplate:** Attach your standard decorative wall plate. The switch is compatible with both non-screw type and screw type faceplates. Washers are provided to help install non-screw faceplates flush.
 8. **Restore power:** Turn the power back on at the circuit breaker.



Image: Wiring diagram for the Martin Jerry RP-ZB-S01 Zigbee Smart Switch, illustrating connections for Live, Load, and Ground wires in a non-neutral setup.

Standard Dimension



Fit Multi-gang faceplate



Image: Standard dimensions of the Martin Jerry RP-ZB-S01 Zigbee Smart Switch, showing its compact design for easy installation.



"Alexa, turn on my living room"

"OK"

Voice control

works with alexa

works with Google Assistant

Image: The Martin Jerry RP-ZB-S01 switch designed to fit seamlessly into multi-gang faceplates alongside other switches.



Image: Overview of basic features including no neutral wire requirement, Zigbee 3.0 hub necessity, 100-240VAC compatibility, and single-pole control.



Image: Detail showing the Zigbee pairing button and Reset button located on the smart switch.



Image: Visual representation of various Zigbee 3.0 hubs compatible with the Martin Jerry smart switch, including SmartThings, Hubitat, and Alexa.



Image: Demonstrates the requirement for a minimum 5W LED load for optimal performance of the smart switch.

6. ZIGBEE PAIRING

To enable smart features, you need to pair your Martin Jerry Zigbee Smart Switch with a compatible Zigbee 3.0 hub.

1. Ensure your Zigbee hub is powered on and in pairing mode (refer to your hub's instructions for specific steps).
2. On the Martin Jerry smart switch, press and hold the small 'Zigbee' button (located at the bottom of the switch) for approximately 5-10 seconds until the indicator light flashes.
3. Your hub should detect the new device. Follow the on-screen prompts in your hub's app (e.g., SmartLife, SmartThings, Hubitat) to complete the pairing process.
4. Once successfully paired, the indicator light on the switch will stop flashing and remain solid or turn off, depending on your hub's configuration.

Your browser does not support the video tag.

Video: Demonstrates the Zigbee pairing process for the Martin Jerry Smart Switch with a compatible hub.

7. OPERATION

7.1 Manual Control

The rocker paddle switch functions as a standard ON/OFF switch. Pressing either the top or bottom of the paddle will toggle the connected light fixture between ON and OFF states.

7.2 Smart Control (App & Voice)

Once paired with your Zigbee hub, you can control the switch using your smart home app (e.g., SmartLife) or voice commands via compatible assistants like Alexa and Google Home.

- **App Control:** Open your smart home app, select the Martin Jerry switch, and tap the ON/OFF icon to control your lights remotely.
- **Voice Control:** Use voice commands such as "Alexa, turn on the living room light" or "Hey Google, turn off the kitchen light."



Image: Demonstrates voice control functionality with Alexa and Google Home for the smart switch.

Remote control

With the Smart Life app, you can control your smart switch anytime, anywhere

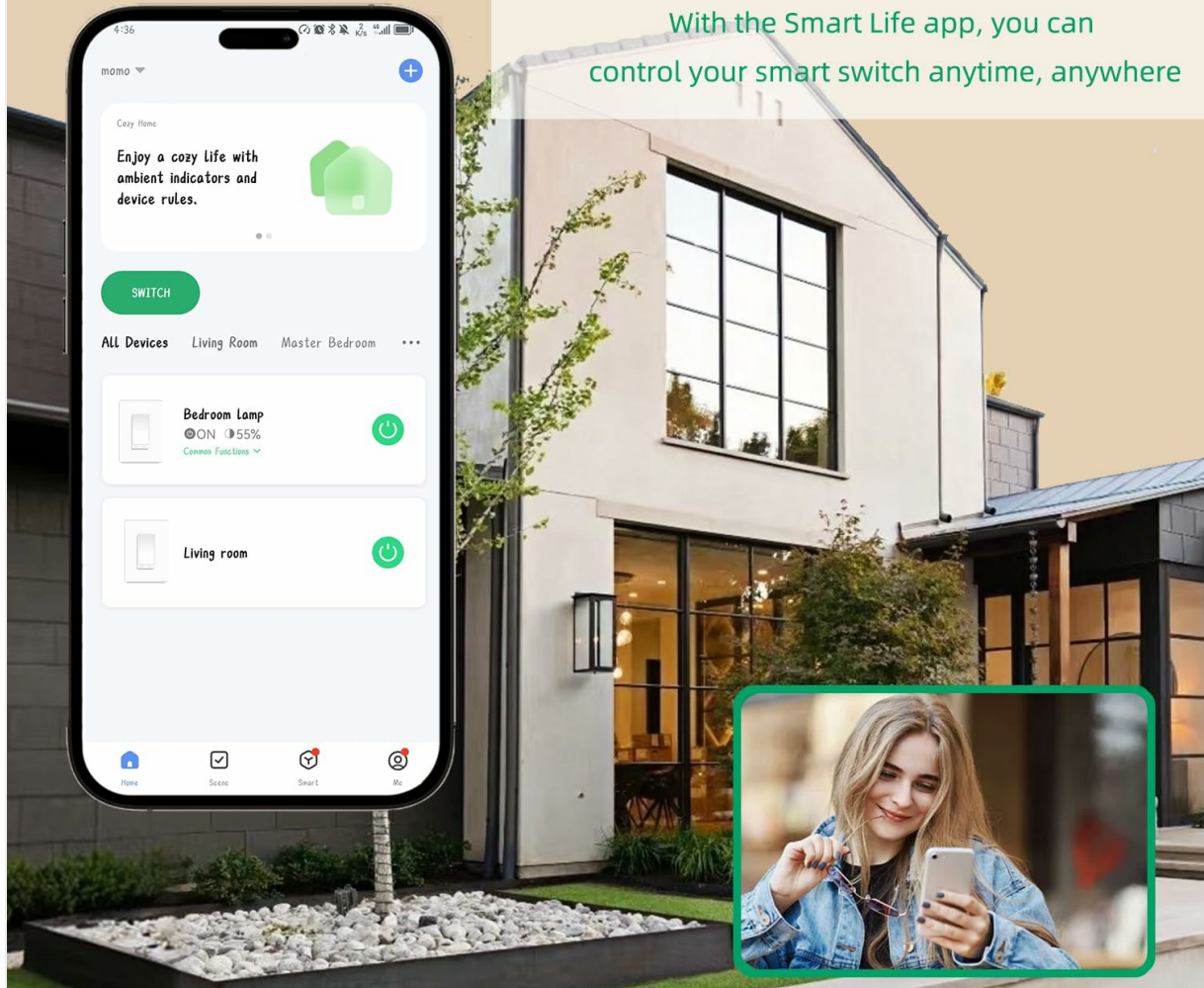


Image: Remote control of the smart switch using the Smart Life app, allowing control from anywhere.

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Video: An overview of the Martin Jerry RP series smart switches, showcasing their consistent design and basic ON/OFF functionality.

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Video: Demonstrates the operation of the 1-gang non-neutral Zigbee 3.0 smart switch, including manual and app control.

7.3 Adjustable Night Light

The switch features an adjustable night light. The brightness can be set using the small knob on the side of the switch before installation. This is an ON/OFF relay switch and does not support dimming of the main light fixture.

Basic Information



No Need a Neutral Wire

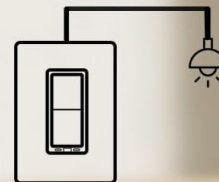
 **zigbee**



zigbee3.0, Hub is required



100-240VAC



Single pole
One switch control one load

Image: The adjustable night light feature of the Martin Jerry smart switch, showing its subtle illumination.

8. MAINTENANCE

- Clean the switch with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Ensure the switch plate is securely fastened to prevent dust and debris from entering the electrical box.
- Periodically check for firmware updates through your Zigbee hub's application to ensure optimal performance and security.

9. TROUBLESHOOTING

- **Light not turning ON/OFF:**
 - Check the circuit breaker to ensure power is restored.
 - Verify wiring connections are secure.
 - Ensure the connected bulb is functional and meets the minimum 5W LED load requirement.
- **Switch not pairing with hub:**
 - Ensure the hub is in pairing mode and within range.

- Confirm the switch's indicator light is flashing during pairing attempts.
 - Try resetting the switch by pressing the 'RST' button (if available, or follow hub-specific reset procedures) and re-attempt pairing.
- **Intermittent connectivity:**
 - Ensure the switch is within effective range of your Zigbee hub or a Zigbee repeater.
 - Check for potential interference from other 2.4GHz devices.
 - **Night light not working or incorrect brightness:**
 - The night light brightness is adjusted via a knob on the side of the switch, which must be set before installation. It cannot be changed via app or voice.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or further inquiries, please visit the official Martin Jerry support page:

<https://www.martinjerry.com/support>

You can also visit the [Martin Jerry Store on Amazon](#) for more product information and customer service options.