

Thinkbee SW-SK1&R01

Thinkbee Wireless Light Switch and Receiver Kit User Manual

Brand: Thinkbee | Model: SW-SK1&R01

1. INTRODUCTION

The Thinkbee Wireless Light Switch and Receiver Kit offers a convenient and flexible solution for controlling your lighting without the need for complex wiring or Wi-Fi connections. This kit is designed for easy installation and provides reliable remote control for various light fixtures, including LED lights, lamps, and ceiling fixtures. With a wide input voltage range of 80-275V and a robust 600ft RF range, it ensures broad compatibility and strong signal penetration through walls.

Key features include:

- No complex wiring required for switch installation.
- No Wi-Fi dependency.
- Extended RF range for indoor and outdoor control.
- Long battery life for the wireless switch (8-10 years).
- IP66 waterproof and V0 fireproof ratings for enhanced safety.
- Programmable and expandable for multi-way control.

2. WHAT'S IN THE BOX

- Wireless Switch
- Receiver
- User Manual



Image: Thinkbee Wireless Light Switch and Receiver Kit, showing the switch, receiver, and packaging.

3. SETUP AND INSTALLATION

3.1. Receiver Wiring

WARNING: Please power off the main power supply before installing the receiver to prevent electric shock.

The receiver must be installed between the light fixture and the power supply. Ensure all connections are secure and insulated.

Your browser does not support the video tag.

Video: Step-by-step guide on how to install the Thinkbee wireless light switch receiver, including wire stripping and connection to a light fixture.

1. Strip approximately 16mm of insulation from the ends of the power supply wires (live and neutral) and the lamp wires (live and neutral). Fold the stripped wire in half to create an 8mm length for better contact.
2. Loosen the screws on the receiver's input terminals (marked 'IN' for live and 'N' for neutral) and output terminals (marked 'OUT' for live and 'N' for neutral).
3. Insert the power cord's live wire into the 'IN' live hole and the neutral wire into the 'IN' neutral hole. Tighten the screws firmly.
4. Insert the lamp's live wire into the 'OUT' live hole and the neutral wire into the 'OUT' neutral hole. Tighten the screws firmly.
5. Gently pull each wire to ensure it is firmly secured and that no copper wire is exposed.
6. Install the rubber stoppers into the wire holes on the receiver for added protection.

3.2. Wireless Switch Mounting

The wireless switch offers flexible mounting options:

Easy to Set Up

Before Installation

A Adhesive Patch Mounting



1 Disassemble the panel



B Screw Mounting



2 Insert the CR2032 3V battery and close the cover



Image: Visual guide for mounting the Thinkbee wireless switch using adhesive patch or screws.

1. **Adhesive Patch Mounting:** Disassemble the switch panel, peel off the protective film from the adhesive patch, clean the desired mounting surface, and firmly press the switch onto the surface.
2. **Screw Mounting:** Disassemble the switch panel, use screws to secure the base to the wall, and then reattach the switch panel.
3. Insert the CR2032 3V battery into the switch and close the cover.

3.3. Pairing the Switch and Receiver

After wiring the receiver and mounting the switch, you need to pair them:

1. Power on the receiver.
2. Press and hold the button on the receiver for approximately 2 seconds. The LED light on the receiver will flash.
3. Release your hand from the receiver button.
4. Within 5 seconds, press the wireless switch panel you wish to pair. The light will turn on, indicating successful pairing.

5. One receiver can be paired with up to 8 wireless switch panels.

4. OPERATING INSTRUCTIONS

Once paired, the Thinkbee Wireless Light Switch provides simple on/off control for your connected lights.

Your browser does not support the video tag.

Video: Demonstrates various use cases for the Thinkbee wireless light switch, including remote control from different locations and its waterproof feature.

4.1. Basic On/Off Control

Simply press the wireless switch panel to toggle the connected light fixture on or off. The switch provides tactile feedback for confirmation.

4.2. Remote Control and Placement

The wireless switch can be placed anywhere within its effective RF range (up to 300ft indoors and 600ft outdoors). This allows for flexible control from different rooms, outdoor areas, or even from your bed or sofa.

Remote Control

Strong Signal | Through Walls | No Interference

Indoor 160 ft



Outdoor 1300 ft



Image: Illustrates the indoor (160 ft) and outdoor (1300 ft) remote control range of the Thinkbee wireless switch.

4.3. Multi-Way Control

Multiple wireless switches can be paired to a single receiver, enabling 3-way or multi-way control for a single light fixture or group of lights. Different wireless light switch kits operate independently and do not interfere with each other.

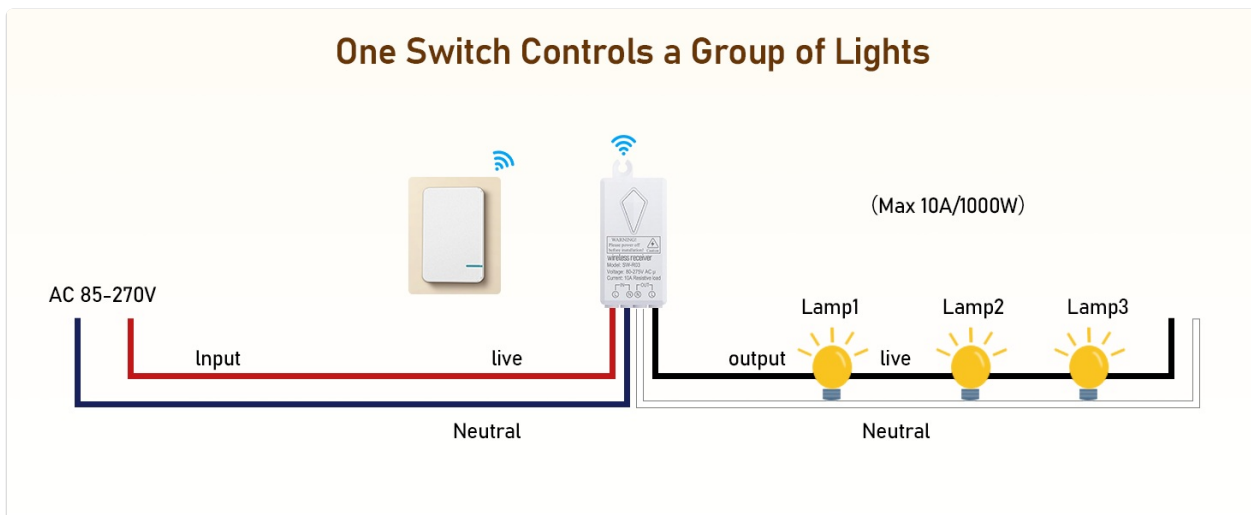


Image: Diagram showing how one wireless switch can control a group of lights (Max 10A/1000W) with input and output wiring.

5. MAINTENANCE

The Thinkbee Wireless Light Switch and Receiver Kit is designed for durability and minimal maintenance.

- **Cleaning:** Wipe the switch and receiver with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** The wireless switch uses a CR2032 lithium battery with an estimated life of 8-10 years. Replace the battery when the switch's performance degrades or it stops responding. To replace, carefully open the switch panel as shown in the setup section.
- **Environmental Protection:** The switch is IP66 waterproof, making it suitable for damp environments like bathrooms. The V0 fireproof rating ensures safety.

IP66 Waterproof

Safely use in the bathroom



Image: Thinkbee wireless switch demonstrating its IP66 waterproof capability in a shower environment.

Fireproof Rate: V0

The highest level of fire resistance with UV protection, safe and reliable choice for your home or business.



Image: Thinkbee wireless switch highlighting its V0 fireproof rating, indicating high fire resistance.

6. TROUBLESHOOTING

• Light not responding to switch:

- Ensure the receiver is correctly wired and receiving power.
- Verify that the switch and receiver are properly paired (refer to Section 3.3).
- Check the battery in the wireless switch. Replace if necessary.

- Ensure the switch is within the effective RF range of the receiver.
- **Interference with other devices:**
 - The Thinkbee system is designed to avoid interference. If issues occur, ensure no other strong RF signals are directly adjacent to the receiver.
- **Light flickers or does not turn on/off consistently:**
 - Check all wiring connections to ensure they are secure and not loose.
 - Ensure the load (wattage) of your light fixture does not exceed the receiver's maximum capacity (1000W LED).

7. SPECIFICATIONS

Feature	Specification
Brand	Thinkbee
Model Number	SW-SK1&R01
Operation Mode	ON-OFF-ON
Current Rating	10 Amps
Operating Voltage	80-275 Volts AC
Contact Type	Normally Closed
Connector Type	Plug In
Terminal	Screw
Item Dimensions (L x W x H)	3.94 x 3.15 x 1.97 inches
Circuit Type	3-way
Actuator Type	Push Button
Contact Material	Aluminum
International Protection Rating	IP66
Number of Positions	2
Upper Temperature Rating	70 Degrees Celsius
Control Method	Remote
Connectivity Protocol	RF
Wattage (Max Integrated Power)	1000 watts (LED)
Unit Count	1.0 Count

Feature	Specification
Number of Items	1
Item Weight	3.84 ounces
Batteries	1 CR2032 batteries required (included)
Country of Origin	China


Receiver	 Thinkbee	Others
Over-current Protection	✓	✗
Short-circuit Protection	✓	✗
Lightning Surge	1000W	1800V
Relay on/off Times	400000	100000
LED Load	3000V	200W
Working Voltage	80~275V	110~120V
Switch		
Indoor RF Range	300ft	100ft
Waterproof Rate	IP66	✗
Battery	CR2032 6~10 Years	Dry Battery 1~2 Years
General features		
Shell Material	Fireproof and Anti-UV PC	ABS
Working Temperature	-40~+70℃	-10~+70℃

Image: Comparison table highlighting Thinkbee's superior features like over-current protection, higher relay on/off times, wider working voltage, and longer battery life compared to other products.





8. WARRANTY AND SUPPORT

Thinkbee offers a **5-year free replacement service** for this product, demonstrating confidence in its quality and durability. The product is CE, FCC, RoHS, and IC Certified.

For any questions, technical assistance, or warranty claims, please contact Thinkbee customer service. Refer to the product packaging or the official Thinkbee website for the most up-to-date contact information.

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Related Documents - SW-SK1&R01

	<p>Thinkbee Wireless Switch and Receiver User Manual</p> <p>User manual for the Thinkbee Wireless Switch and Receiver Kit, detailing product appearance, installation, pairing, and specifications for controlling lights without wiring or WiFi.</p>
	<p>Thinkbee SW-CK1 Wireless Switch User Manual and Installation Guide</p> <p>Comprehensive user manual for the Thinkbee SW-CK1 Wireless Switch and Receiver kit. Learn about installation, pairing, operation, and specifications for this no-wiring, IP66 waterproof remote control system.</p>
	<p>Greencycle Wireless Switch System User Manual</p> <p>User manual for the Greencycle Wireless Switch System, detailing installation, pairing, operation, and specifications for various wireless switch models and receivers.</p>
	<p>mQuvée Wine Cooler User Manual</p> <p>Comprehensive user manual for mQuvée wine coolers, covering installation, operation, temperature settings, storage, maintenance, and troubleshooting. Includes model information for SW-12 through SW-215.</p>