

[Manuals.plus](#) /

› [CNBINGO](#) /

› CNBINGO RF433 Wireless Switch with Mini Module User Manual

CNBINGO

CNBINGO RF433 Wireless Switch with Mini Module User Manual

Model Number: TDQ-AY1G-RF+AY-SYT1W

1. INTRODUCTION

The CNBINGO RF433 Wireless Switch with Mini Module provides a convenient and flexible solution for controlling lighting without the need for complex wiring. This kit allows you to add a switch to any location, offering remote control capabilities for various types of lamps. Its compact design and wireless functionality make it ideal for both new installations and existing setups where traditional wiring is impractical.



Image: The CNBINGO RF433 Wireless Switch and its accompanying Mini Module.

2. PRODUCT FEATURES

- **RF433 Radio Control:** Operates on 433 MHz RF frequency. Signal transmission range is up to 50 meters indoors and 200 meters outdoors.
- **Miniature Size:** The module measures 40mm x 40mm x 20mm, and the wireless switch is 86mm x 86mm x 9mm. The mini module can be installed between the power supply and the light bulb.
- **High-Quality Construction:** The RF433 wireless switch is flame-retardant, IP66 waterproof, and safe for use. The glass surface is easy to clean, providing a simple and elegant appearance suitable for various environments.
- **Wide Application Range:** Compatible with almost all lamps, including halogen lamps, incandescent lamps, fluorescent lamps, and LED lighting.
- **Multi-Switch Connectivity:** One mini module can connect to and control up to 6 wireless switches simultaneously.
- **Battery Operated Switch:** The wireless switch requires a 3V CR2032 battery (not included).

3. PACKAGE CONTENTS

Please ensure all items are present upon unboxing:

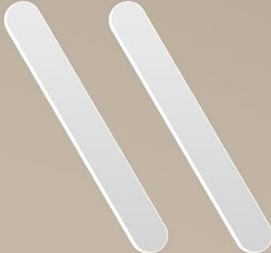
- 1 x CNBINGO RF433 Wireless Switch
- 1 x Mini Remote Switch Module
- 2 x Double-sided Mounting Stickers
- 1 x User Manual

Note: The 3V CR2032 battery for the wireless switch is not included and must be purchased separately.

Was Sie erhalten

Batterie nicht im Lieferumfang enthalten.


+

+


Synchronisieren der RF433-Remote-Funktion

Methode 1:
Berühren Sie die Taste am Gerät und halten Sie sie 5 Sekunden lang gedrückt. Die Hintergrundbeleuchtung blinkt. Drücken Sie dann die Fernbedienung oder den Fernbedienungsschalter. Die Synchronisierung ist erfolgreich.

Methode 2:
Schalten Sie den mechanischen Schalter, der zusammen mit dem Gerät verwendet wird, fünfmal hintereinander ein und aus, das Gerät befindet sich im Kopplungsstatus. Drücken Sie dann die Fernbedienung oder den Fernbedienungsschalter. Synchronisierung erfolgreich.

Synchronisierung Löschen

Berühren und 10 Sekunden lang gedrückt halten, um die Synchronisierung zu löschen.
ODER
Schalten Sie den mechanischen Schalter, der zusammen mit dem Gerät verwendet wird, zehnmal hintereinander ein und aus.

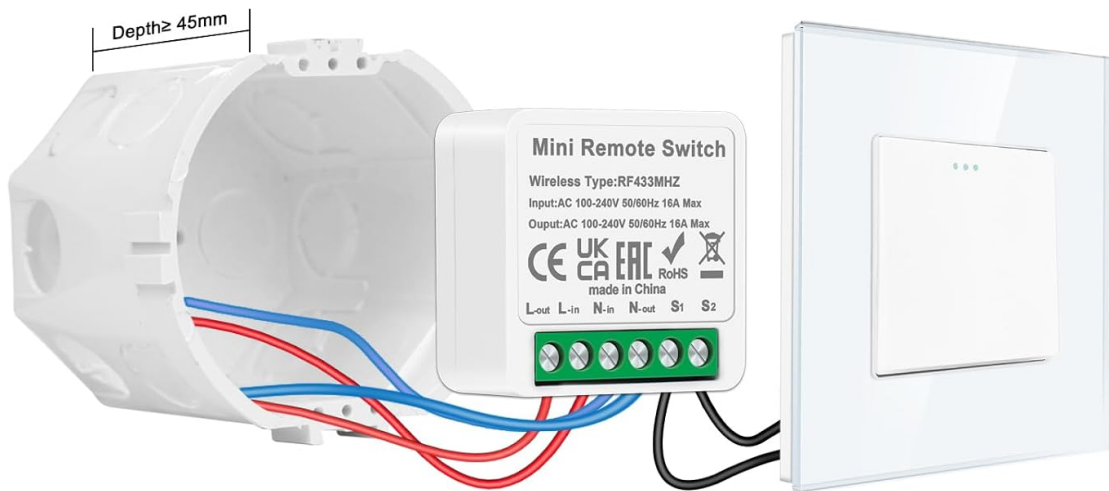
Image: Visual representation of the package contents and a preview of synchronization steps.

4. SPECIFICATIONS

Attribute	Value
Product Dimensions (L x W x H)	Module: 40 x 40 x 20 mm; Switch: 86 x 86 x 9 mm
Product Weight	120 grams

Attribute	Value
Wireless Type	RF433MHz
Input Voltage (Module)	AC 100-240V 50/60Hz 16A Max
Output Voltage (Module)	AC 100-240V 50/60Hz 16A Max
Operating Mode	Automatic
Contact Type	Normally Open
Terminal Type	Solder
Circuit Type	1-Way
Mounting Type	Surface Mount
Actuator Type	Push Button
Contact Material	Copper, Brass
International Protection Rating	IP66

Produktgröße



Die Tiefe der Gerätedose sollte mindestens **45 mm** betragen.

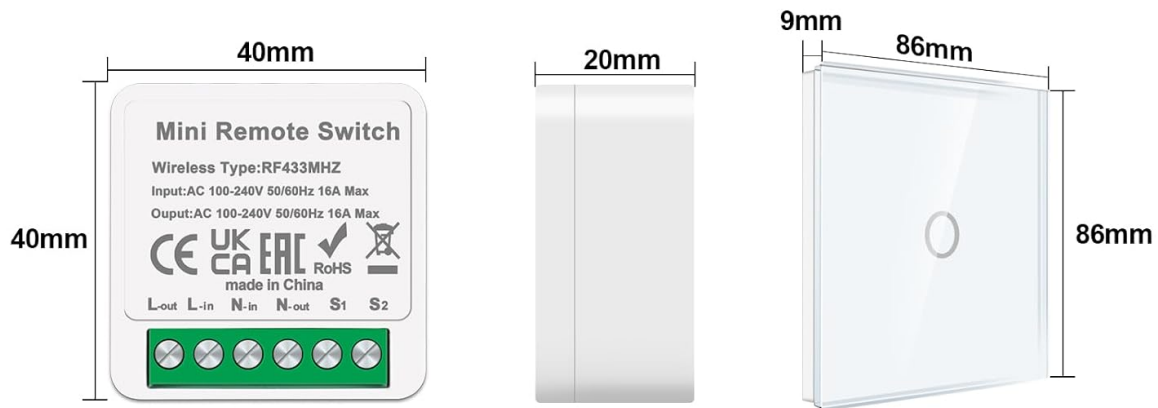


Image: Detailed dimensions of the Mini Remote Switch Module and the Wireless Switch. Note that the device box depth should be at least 45mm.

5. INSTALLATION GUIDE

5.1. Safety Precautions

- Always turn off the main power supply before performing any electrical work.
- If you are unsure about electrical installations, consult a qualified electrician.
- Ensure the module is installed in a location that meets its IP66 rating requirements if exposed to moisture.

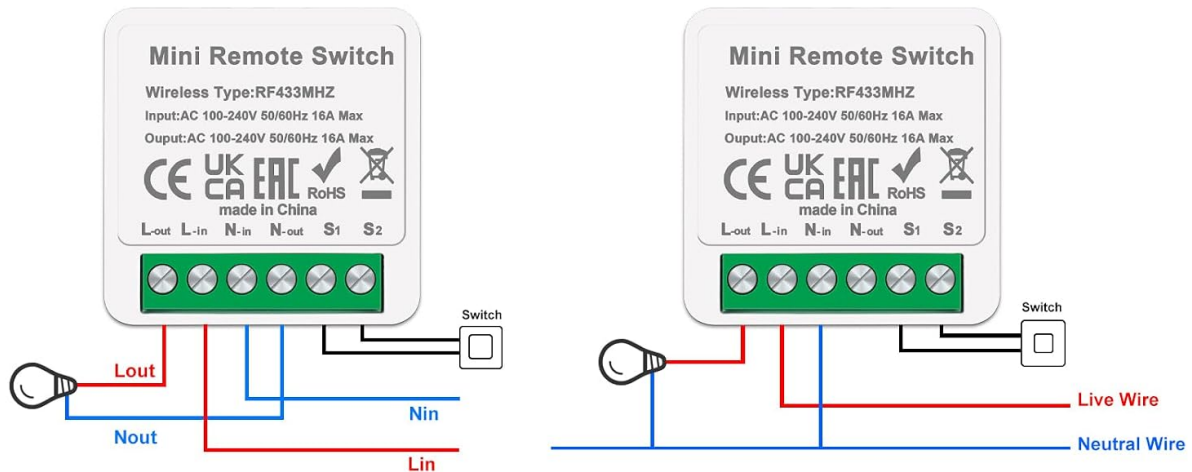
5.2. Wiring the Mini Module

The mini module is designed to be installed between the power supply and the light fixture. It supports both 1-way and 2-way switch configurations. The depth of the device box should be at least 45mm for proper installation.

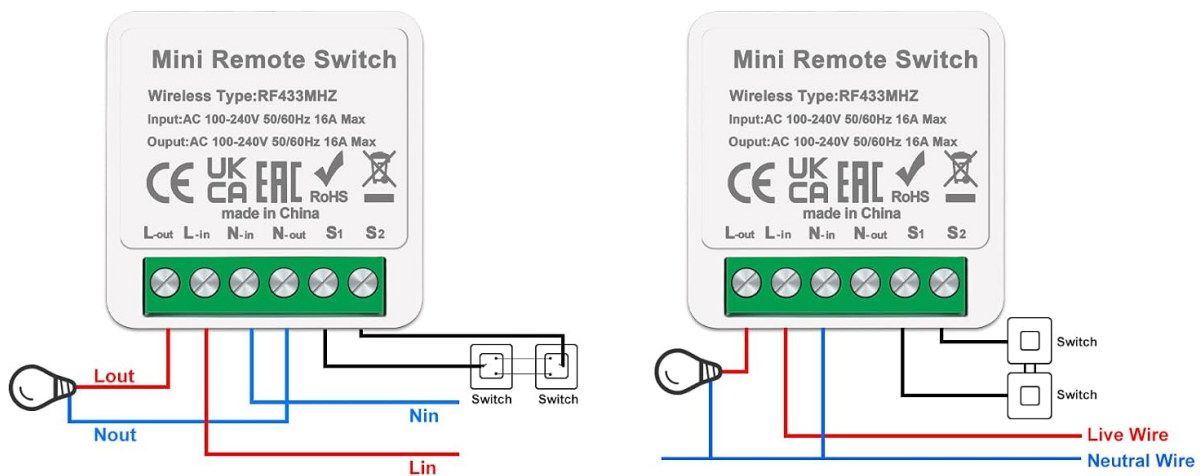
1. Turn off the power at the circuit breaker.
2. Connect the Live Wire (Lin) and Neutral Wire (Nin) from your power source to the corresponding terminals on the mini module.

3. Connect the Live Output (Lout) and Neutral Output (Nout) from the module to your light fixture.
4. For a 1-way switch setup, connect the existing wall switch to the S1 and S2 terminals on the module.
5. For a 2-way switch setup (only one module required), connect both existing wall switches to the S1 and S2 terminals on the module as shown in the diagram.
6. Carefully place the wired module into the electrical box.

Schaltbild



Mit 1-Wege Schalter



Mit 2-Wege Schalter (Nur Ein Modul Erforderlich)

Image: Wiring diagrams for connecting the Mini Remote Switch Module with a 1-way switch and a 2-way switch. L-out connects to the light, N-out to the light's neutral. L-in and N-in connect to the main power supply. S1 and S2 connect to the existing wall switch.

5.3. Mounting the Wireless Switch

1. Insert a 3V CR2032 battery into the wireless switch, ensuring correct polarity.
2. Clean the desired mounting surface thoroughly.
3. Peel off the protective film from the double-sided mounting stickers.
4. Apply the stickers to the back of the wireless switch.
5. Press the switch firmly onto the clean surface for a few seconds to secure it.

6. PAIRING INSTRUCTIONS

To establish communication between the wireless switch and the mini module, follow one of the pairing methods below:

6.1. Method 1: Touch and Hold (Recommended)

1. Ensure the mini module is powered on.
2. Touch and hold the button on the mini module for 5 seconds. The background light on the module will start blinking, indicating it is in pairing mode.
3. Immediately press the desired button on your wireless remote control switch.
4. The blinking light on the module will stop, confirming successful synchronization.

6.2. Method 2: Mechanical Switch Toggle

1. Ensure the mini module is powered on and connected to a mechanical switch.
2. Quickly toggle the mechanical switch (connected to the module) ON and OFF five times consecutively. The module will enter pairing status.
3. Immediately press the desired button on your wireless remote control switch.
4. Synchronization is successful when the module responds to the wireless switch.

6.3. Clearing Pairing (Reset)

To clear all paired wireless switches from the mini module:

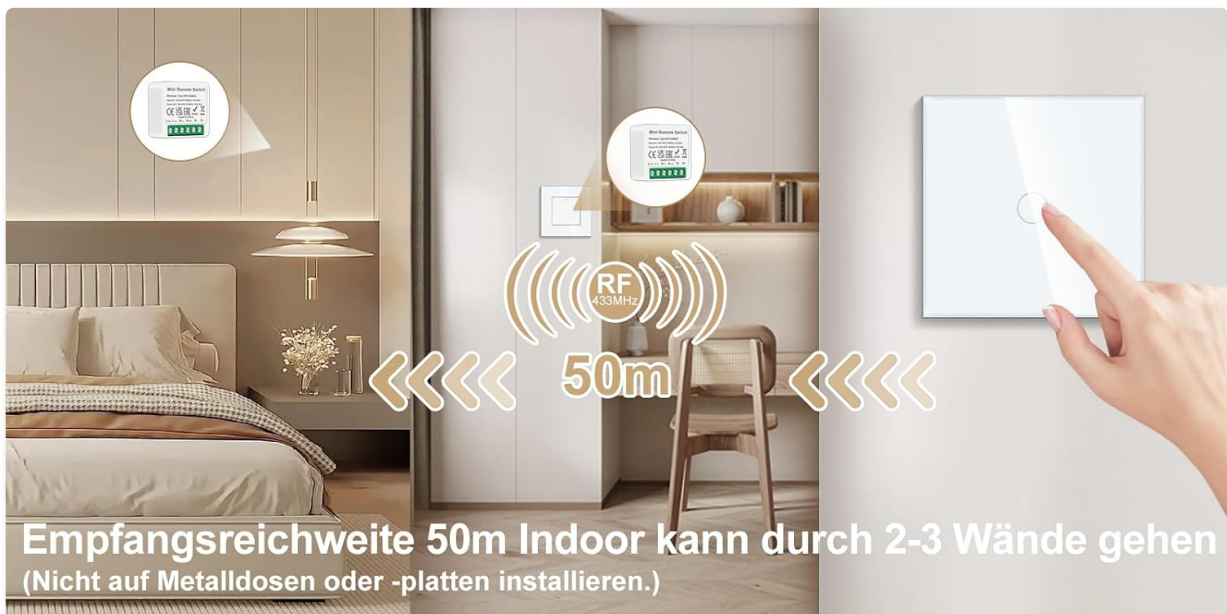
- **Method A:** Touch and hold the button on the mini module for 10 seconds.
- **Method B:** Quickly toggle the mechanical switch (connected to the module) ON and OFF ten times consecutively.

The module will reset, and all previous pairings will be deleted.

7. OPERATION

Once the wireless switch and mini module are successfully paired, operating your lights is straightforward:

- Press the button on the wireless switch to toggle the connected light fixture ON or OFF.
- The RF433 signal provides a reliable connection within the specified range.



Empfangsreichweite 50m Indoor kann durch 2-3 Wände gehen
(Nicht auf Metalldosen oder -platten installieren.)



Empfangsdistanz 200 m im Freien im offenen Gelände.

Wenn Sie die zufällige Position des Aufklebers festlegen, testen Sie bitte vorab, ob die aktuelle Position die Glühbirne kontrollieren kann.

Image: Illustration of the wireless switch's effective range: 50m indoors (can pass through 2-3 walls) and 200m in open outdoor areas. Avoid installing on metal boxes or plates.



Image: Examples of the wireless switch being used in different home environments such as bedrooms, living rooms, dining areas, and bathrooms, highlighting its versatility.

8. MAINTENANCE

8.1. Battery Replacement

The wireless switch is powered by a 3V CR2032 battery. If the switch becomes unresponsive or its range decreases, the battery may need replacement.

1. Gently open the back cover of the wireless switch.
2. Remove the old CR2032 battery.
3. Insert a new 3V CR2032 battery, ensuring the positive (+) side is facing up.
4. Close the back cover securely.

8.2. Cleaning

The glass surface of the wireless switch can be cleaned with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the surface.

9. TROUBLESHOOTING

If you encounter issues with your CNBINGO RF433 Wireless Switch and Mini Module, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Wireless switch not responding.	Low or dead battery in the wireless switch.	Replace the 3V CR2032 battery.
Wireless switch not responding.	Switch not paired with the module, or pairing lost.	Follow the pairing instructions in Section 6 to re-pair the switch and module.
Light not turning ON/OFF via module.	Incorrect wiring of the mini module.	Turn off power and re-check all wiring connections according to Section 5.2.
Light not turning ON/OFF via module.	No power to the mini module.	Check the circuit breaker and ensure power is supplied to the module.
Reduced operating range.	Obstacles (thick walls, metal objects) or interference.	Ensure the wireless switch is not installed on a metal box or plate. Try moving the switch closer to the module if possible.
Module not responding to mechanical switch.	Mechanical switch not correctly wired to S1/S2 terminals.	Verify the connections of the mechanical switch to the S1 and S2 terminals on the module.

10. WARRANTY AND SUPPORT

CNBINGO products are designed for reliability and performance. For any questions, technical assistance, or warranty claims, please contact CNBINGO customer support through the retailer's platform or the official CNBINGO website. Please have your product model number (TDQ-AY1G-RF+AY-SYT1W) and purchase details ready when contacting support.