

Bewinner AK-C211008

Bewinner AK-C211008 Wireless RF Remote Control Relay Switch User Manual

Model: AK-C211008 | Brand: Bewinner

PRODUCT OVERVIEW

The Bewinner AK-C211008 is a DC12-36V 433MHz 4-channel wireless RF remote control relay module designed for industrial control and various automation applications. It utilizes advanced RF technology for stable signal transmission through obstacles like walls, floors, and doors.

This module offers high security with its code learning feature, allowing for the deletion of old codes and learning of new ones if a remote is lost. It is designed for ease of use, featuring simple setup, learning, and control. The module provides stable and reliable performance with high reception sensitivity.

The AK-C211008 supports three primary operating modes: momentary (click), self-locking (toggle), and interlock (latched). Its interference-resistant, non-directional wireless coding technology ensures independent control. It is widely applicable in systems such as electric lamps, doors, windows, lifting equipment, gates, elevators, and security systems.



Image: The Bewinner AK-C211008 relay module shown with two accompanying 4-button remote controls.



Image: All components of the AK-C211008 package, including the relay module, antenna, and two remote controls, laid out.

SETUP AND WIRING

Wiring Instructions

Before connecting, ensure the power supply is disconnected. Refer to the wiring diagram below for correct connections. The module features wiring terminals for input power (DC12-36V) and relay outputs (NO, NC, COM).



Image: Detailed wiring diagram showing input power connections and relay output terminals (NO, NC, COM).

- **Power Input:** Connect your DC12-36V power supply to the designated input terminals.
- **Relay Outputs:** Each of the four channels has Normally Open (NO), Normally Closed (NC), and Common (COM) terminals. Connect your devices according to your application's requirements.

Remote Control Pairing (Code Learning)

The module supports various operating modes. Follow the steps below to pair your remote control with the receiver module for the desired functionality. The learning button is typically located on the receiver board.

1. Clear Existing Codes

To clear all previously learned codes from the receiver, press the learning button on the controller eight times. The LED indicator will flash eight times and then turn off, confirming that all codes have been successfully cleared.

2. Learning Specific Operating Modes

The module supports different configurations for its 4 channels. The remote control typically has 4 buttons (A, B, C, D).

- **Two-Point Momentary and Two-Point Self-Locking Mode (5 Presses):**
Press the controller's code learning button five times. The LED indicator will flash five times and then turn off. Immediately after, press any button on the remote control. The LED indicator will flash three times consecutively and turn off, indicating successful code matching. In this configuration, two buttons on the remote (e.g., A and B) will operate in momentary mode (relay activates while button is pressed), and the other two buttons (e.g., C and D) will operate in self-locking mode (press once to activate, press again to deactivate).
- **Double Self-Locking and Double Interlock Mode (6 Presses):**
Press the controller's code learning button six times. The LED indicator will flash six times and then turn off. Immediately after, press any button on the remote control. The LED indicator will flash three times consecutively and turn off, indicating successful code matching. In this configuration, two buttons on the remote (e.g., A and B) will operate in self-locking mode, and the other two buttons (e.g., C and D) will operate in interlock mode (pressing one button activates its relay and deactivates the other in the interlock group).



Image: A single 4-button remote control with buttons labeled A, B, C, D.

OPERATING THE MODULE

Once the remote control is successfully paired with the receiver module, you can operate your connected devices according to the configured mode:

- **Momentary Mode (Click):** The relay remains active only as long as the remote button is pressed. Releasing the button deactivates the relay.
- **Self-Locking Mode (Toggle):** Press the remote button once to activate the relay. Press the same button again to deactivate the relay.
- **Interlock Mode (Latched):** In an interlock group (e.g., buttons C and D), pressing one button activates its corresponding relay and simultaneously deactivates any other relay in that interlock group. Only one relay in the group can be active at a time.

Refer to your specific pairing configuration (e.g., 5-press or 6-press mode) to understand how each button on your remote control functions with the relay channels.



Mainly used in lamps and lanterns, electric doors and Windows, lifting equipment, gates, elevators, industrial control and security industry and other fields



Image: An example application showing the remote control relay switch being used to control a garage door system.

MAINTENANCE

To ensure the longevity and reliable operation of your Bewinner AK-C211008 module, follow these general maintenance guidelines:

- **Keep Clean and Dry:** Protect the module from dust, dirt, and moisture. Avoid exposing it to extreme temperatures or humidity.
- **Inspect Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Remote Battery:** The remote control uses CR2016 button batteries. Replace them when the remote's range decreases or it becomes unresponsive.
- **Avoid Physical Damage:** Handle the module and remote controls with care to prevent drops or impacts.

TROUBLESHOOTING

If you encounter issues with your Bewinner AK-C211008 module, consider the following troubleshooting steps:

• **No Response from Remote:**

- Check the remote control battery and replace if necessary.
- Ensure the receiver module is powered on and its indicator light is active.
- Re-pair the remote control with the receiver module following the code learning instructions.

• **Relay Not Activating:**

- Verify that the power supply to the module is within the DC12-36V range.
- Check the wiring connections to the device being controlled. Ensure NO/NC/COM terminals are correctly connected.
- Confirm the remote is paired in the correct operating mode for your application.

• **Interference Issues:**

- While designed to resist interference, strong local RF signals might affect performance. Try relocating the module or remote.
- Ensure the antenna on the module is properly connected and positioned for optimal reception.

SPECIFICATIONS

Feature	Specification
Item Type	Remote Control Relay Switch
Model	AK-C211008
Brand	Bewinner
Shell Material	ABS
Operating Frequency	433 MHz
Input Voltage	DC12-36V
Max Load Current	≤10A
Receiver Sensitivity	-105dBm
Operating Modes	Momentary (Click), Self-locking (Toggle), Interlock (Latched)
Output Mode	Wiring Terminal
Demodulation Method	ASK
Control Method	Remote Control
Remote Battery	4 x CR2016 Button Batteries (75 mAh)
Mounting Type	DIN Rail Mount

WARRANTY INFORMATION

This product is covered by a standard manufacturer's warranty. Please retain your proof of purchase for any warranty claims. For specific details regarding the warranty period and terms, refer to the documentation provided at the time of purchase or contact customer support.

CUSTOMER SUPPORT

For technical assistance, troubleshooting, or further inquiries regarding your Bewinner AK-C211008 module, please contact Bewinner customer support through their official website or the retailer from whom you purchased the product. Have your model number and purchase details ready for faster service.

You can visit the Bewinner brand store for more information:[Bewinner Store](#)

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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

you@example.com

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