

Product Specifications

Standard version rechargeable small industrial six-button remote control

K240113

Version V1.2

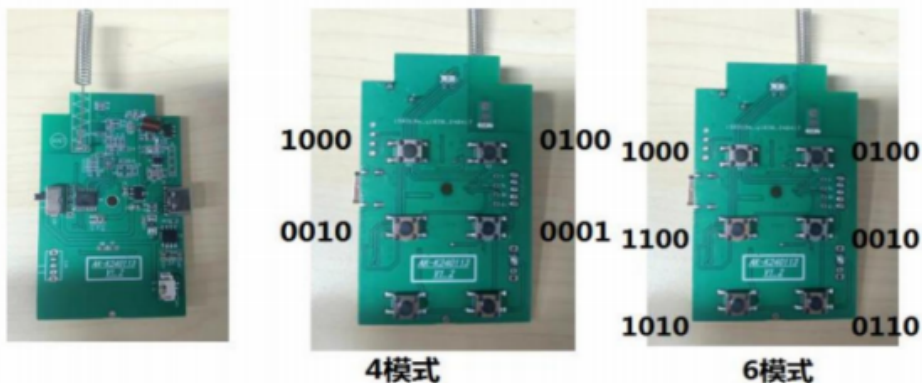
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1. Overview

The AK-K240113 Industrial Six-Key Rechargeable Remote Control is programmed with a branded microcontroller chip. It adopts ASK modulation, with customizable data bits and encrypted data processing for enhanced security and superior anti-interference performance. Equipped with a high-end RF chip, it delivers stronger transmission power and longer remote-control distance. It is suitable for applications such as industrial control and similar scenarios.



2. Product Features

- (1) Operating frequency: 315 MHz / 433.92 MHz (special frequencies can be customized according to customer requirements);
- (2) Battery type: 3.7V lithium battery;
- (3) Modulation mode: ASK;
- (4) Coding format: 1527;
- (5) Shell material: PC;
- (6) Product size: /;
- (7) Product net weight: /.

3. Product data bit description

3.1 Remote Control Function Description

The remote control has two modes: 4-key mode and 6-key mode. When the power switch is turned on for the first time, it initializes by default to 4-key mode, and after power-on it enters the power-on state by default.

After being powered on, if there is no operation for 10 minutes, the remote control will enter the power-off state. In this state, pressing any button will neither transmit a signal nor light up the indicator.

After entering the power-off state, the remote control can be reset to the power-on state either by switching the power off and then on again, or (when the power switch is in the ON position) by pressing buttons 1 and 2 simultaneously for 0.5 seconds.

Switching to 6-key mode: When the power switch is OFF, press and hold buttons 1, 2, 5, and 6 simultaneously, then turn on the power switch. Release the buttons after the indicator light turns on. The light will flash 6 times in sequence, indicating that the remote control is now in 6-key mode. The transmitted code will follow the 6-key mode data format. This mode will be retained even after shutdown or power loss.

Switching to 4-key mode (method 1): When the power switch is OFF, press and hold buttons 1, 2, 3, and 4 simultaneously, then turn on the power switch. Release the buttons after the indicator light turns on. The light will flash 4 times in sequence, indicating that the remote control is now in 4-key mode. The transmitted code will follow the 4-key mode data format. This mode will be retained even after shutdown or power loss.

Switching to 4-key mode (method 2): When in the power-off state, press and hold buttons 1, 2, 3, and 4 simultaneously for 0.5 seconds. Release the buttons after the indicator light turns on. The light will flash 4 times in sequence, indicating that the remote control is now in 4-key mode. The transmitted code will follow the 4-key mode data format. This mode will be retained even after shutdown or power loss.

Serial number	Key symbols	Binary data bits
1	1	1000
2	2	0100
3	3	1100
4	4	0010
5	5	1010
6	6	0110

3.3 Four-mode data bits:

Serial number	Key symbols	Binary data bits
1	1	1000
2	2	0100

3	3	0010
4	4	0001

4. Electrical parameters

Serial number	Electrical Name	parameter
1	Operating voltage	DC3.7V
2	Quiescent current	14μA, 7μA in shutdown, 3μA in disabled state
3	Emission current	450mAh
4	Transmit power	13-15dBm
5	Operating temperature	-20—70ÿ

5. Notes

- (1) The battery voltage cannot exceed the operating voltage range.
- (2) In an environment with relatively large wireless interference, the transmission distance may be reduced.
- (3) Keep out of reach of children.
- (4) The product is waterproof and fireproof, but do not soak it in water, otherwise it may cause damage to the remote control.

6. Modification Record

Version	Update Date	Update Content	Written by	Review	Approved
V1.0	2024-7-2	Document Release	Yang Fangfang	Cai Weijie	



FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.