IPS-R2 433MHz Remote Control User Manual

Product Overview

The IPS-R2 is a fixed-code remote control based on the EV1527 encoding chip, operating in the 433.92MHz ISM band. It features a compact design, low power consumption, and high stability, making it suitable for short-distance wireless control applications such as smart homes, access control, and automotive devices.

Technical Specifications

Item	Specification
Operating Voltage	DC 12V (±10%)
Battery Type	23A 12V Alkaline Battery (Not included)
Control Distance	Max. 2 meters (open unobstructed area)
Modulation Mode	ASK/OOK
Encoding Type	EV1527 Learning Code (Max. 20-bit address)
Number of Buttons	3
Button Life	≥100,000 presses
Operating Frequency	433.92MHz
Antenna Type	PCB Printed Antenna
Transmitting Power	≤10dBm
Operating Temperature	-20℃ ~ +70℃
Storage Temperature	-30℃ ~ +85℃
Dimensions (L×W×H)	112×41×15mm
Housing Material	ABS Flame-Retardant Plastic
Protection Rating	IP30

Usage Instructions

1. **Battery Installation** Open the back cover. Install a 23A 12V battery according to the polarity markings (positive terminal towards the spring contact).
2. **Pairing Method**
    - Press and hold the learning button on the receiver until its indicator flashes rapidly.

    - Press any button on the remote. The indicator turning off indicates successful pairing.
3. **Indicator Status**
    - Button Pressed: Blue LED lights for 0.5 seconds.
    - Low Battery: LED flashes 3 times (voltage below 9V).

Precautions

- Avoid use near metal shielding or strong electromagnetic interference sources.
- Do not disassemble, impact, or modify the circuit.
- Dispose of according to electronic waste recycling standards.
- Remove the battery if not used for an extended period.

Package Contents

- IPS-R2 Remote Control ×1
- Installation Mount (with screws) ×1
- User Manual ×1

FCC Statement

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.