Wireless remote control

AG070

Specification

- Transmitting power:5dBm
- Modulation mode:ASK/OOK
- Standby current: ≤0.1uA
- emission current :≤10mA

Product description:

4 Key wireless remote control AG070 (learning code) and (rolling code) is our company in July 2011 developed a novel design, stable performance of small power wireless remote control, internal encryption coding chip, chip built-in RC shock very few peripheral parts, high frequency part with the steady frequency transmission efficiency is high, can be used for battery car remote lock and all kinds of short distance wireless remote control products.

Remote Control Specifications:

- Product model: AG070 (standard shipping key symbol ABCD, other symbol keys need to be customized)
- Operating voltage: 12V / 27A alkaline battery
- Transmit current:＜10mA
- Standby current:≤0.1uA
- Transmitting power:≤5dBm
- Transmit frequency: 433.9185MHz
- Transmitting:ASK/OOK
- Encoder mode :EV1527 ending format (learning code / 301 rolling code)
- Key code value: A key (D0=1000) B key (D1=0100) C key (D2=0010) D key (D3=0001)
- Size specification: 54 * 30 * 14mm (excluding key chain)
- Product weight: 26 g (including key chain)
- Case material: PC (metallic light + matte)

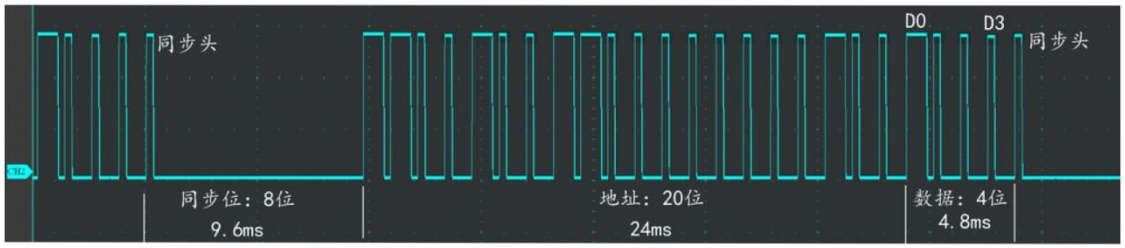
● Remote control distance: 30-50 m reference distance (related to the environment and supporting reception sensitivity)

Scope of application:

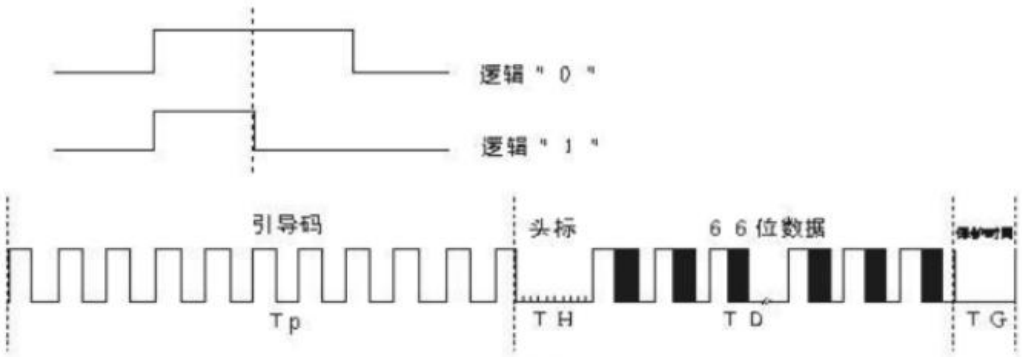
Battery car remote control, rolling shutter door remote control, access control remote control, toy remote control, curtain remote control, all kinds of lamps and all kinds of products that need wireless remote control to use.

Code description: (Code width 1.2 data)

AG070 (learning code) data string



AG070 (rolling code) data string



Address bit: 20*1.208=24.16ms data bit: 4*1.208=4.832ms

synchronization bit: 8*1.208=9.664ms

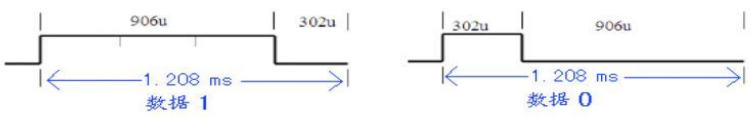
The AG070 remote control chip is EV1527 (learning code), and a chip burns a unique address code.

AG070 remote control chip is 301 (rolling code), rolling code as above.

Address code and data code code width definition:

The clock frequency corresponding to the code width is:

OSC CLOCK=102.6KHz(1.2ms)



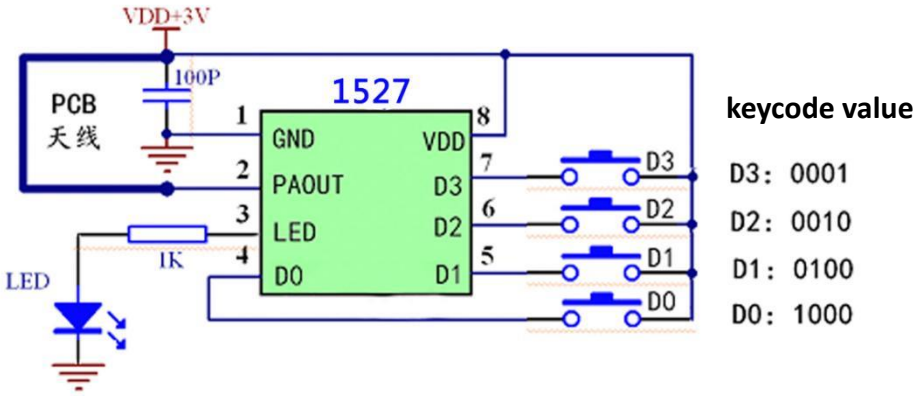
The RF112B chip has a standard shipment code width of 1.2ms and is compatible with most receiving decoding programs.

Supporting receiving module: J06B (learning code) J06C (learning code) J06T (learning code is ultra-low power consumption)

AG070 Remote Control and Receiving Supporting Instructions:

AG070 remote control chip is a EV1527 coding format, receiving needs to be single-chip decoding, as long as the reception is learning decoding program can be matched.Each remote control must be and receive the right code for the remote control.The decoder must be compatible with a 1.2MS code width

4-Key Wireless remote control circuit diagram



The AG070 circuit diagram is the same, the key code value is the same, but the chip burning address is not the same AG070 remote control chip packaging process is different, AG070 frequency accuracy is high ratio, good consistency and long distance.

FCC Statement

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.

RF Exposure Information

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