



REALBELL ELECTRONICS

Wireless Doorbell Instructions

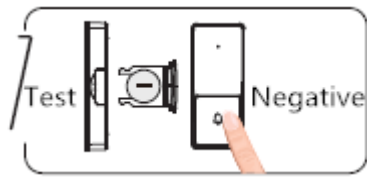
Product Features

1. All touch panels adopt touch-sensitive technology, without any physical buttons. It has a long service life, simple but classical. Humanized music settings guarantee non-retriggerable anti-noise function;
2. The circuit scheme is provided by LCH Dr team from the United States, ensuring stable penetration and a remote control distance of 350 meters;
3. The transmitter adopts waterproof and dustproof design without screw engagement on its surface, possessing automatic power-off function during misuse;
4. The product adopts original sleep standby technology; low power consumption is possible for the chip when standby (μA level);
5. The transmitter battery compartment uses an innovative patented drawer design, compatible with large-capacity batteries 2032, 2025 and 2016, environmental and energy-saving;
6. Innovative superheterodyne learning code encoding makes it possible for users to simply set pairing mode;
7. Microprocessor-controlled receiver with double-sided stable PCB design;
8. Safe separate high & low voltage circuit design;
9. Multiple appearances, utility models, internal structures and PCB designs have been patented;

Model List

| Transmitter Pictures | Transmitter Models | Receiver Pictures | Receiver Models | Complete product model and configuration |
|---|-----------------------|---|--------------------|---|
|  | A |  | 01 | A01 AC one for one |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| - | - | - | - | - |

Installation Instructions



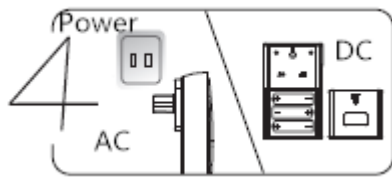
Open the package, take out the battery insulation film and close the battery compartment. Energize the receiver, touch the sensing area of the transmitter, test whether it works normally; if yes, install it; if no, consult the manufacturer for solution. (Take Model A transmitter as an example; the same mounting way applies to Models B and C.)



Take out the supplied double-sided adhesive, remove the sticker on one side of the adhesive and paste it to the bottom surface of the transmitter properly.

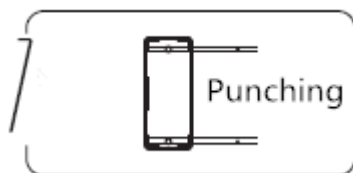


Clean the appropriate area, remove the sticker on another side of the adhesive and paste it to the area. Press the transmitter a bit hard so that it is securely mounted (Note: smooth and dust-free marble and glass walls are preferred).



For AC receiver, connect it to the power directly; for DC receiver, put the batteries into the compartment.

Wall Screws Mounting



Open the transmitter from the middle part on the front left side, use a small screwdriver to pierce the mounting holes, mark the center of the holes, use a 3.5mm chopping bit to punch and put the rubber plugs into the holes.



Fix the bottom surface of the transmitter with self-tapping screws, press the front of transmitter moderately. (Note: do not touch the PCB parts during mounting process).

Receiver Parameters

| Category | Parameters & Descriptions | Remarks |
|---------------------|-------------------------------------|---|
| Power consumption | <0.5W | Standby |
| Sensitivity | <-105dBm | Imported high sensitivity chip |
| Power supply | AC110-240/50-60Hz | Wide input voltage design (DC receiver uses AAA batteries) |
| Decoding | Microprocessor | Effectively prevent malfunction |
| Encoding | Automatic learning code | Easy to operate |
| Music configuration | 36 hi-fi music chords | Pleasant tone |
| Receiving distance | 350 meters | Open, barrier-free |
| Button | Induction touch | Without physical buttons |
| Circuit design | Separate high & low voltage circuit | Compliance with safety requirements (apply to AC receiver) |

Transmitter Parameters

| Category | Parameters & Descriptions | Remarks |
|-------------------|---------------------------|--|
| Public frequency | 434MHz | OEM |
| Battery models | 2025/2032 DC3V | Compatible battery and humanized drawer design |
| Transmitter power | <10mW | Micro-power design |
| Encoding number | Millions | Learning code |
| Button | Induction touch | Without any physical buttons, no wearing |
| Assembly method | Embedded design | Waterproof and moisture-proof |

Learning Code Setting

(As factory pairing setting is a default, this is only suitable for repairing when the learning codes are lost. If you need to clear the codes, please press the Volume Adjustment for three seconds.)

One for one setting: After being electrified, press the music switch sensing area of the receiver for 3 seconds and enter the learning status. In the meantime, the bicolor LED light of the receiver flashes. Touch the transmitter until the LED light of the receiver stops flashing. Then the learning succeeds and one for one control is achieved.

One for two setting: After being electrified, press the music switch sensing area of the receiver for 3 seconds and enter the learning status. In the meantime, the bicolor LED light of the receiver flashes. Touch the transmitter until the LED light of the receiver stops flashing. Then the learning succeeds; use another receiver to repeat the above steps and one for two control is achieved.

Two for one setting: After being electrified, press the music switch sensing area of the receiver for 3 seconds and enter the learning status. In the meantime, the bicolor LED light of the receiver flashes. Touch the transmitter until the LED light of the receiver stops flashing. Then the learning succeeds; use another transmitter to repeat the above steps and two for one setting is achieved.

Troubleshooting

| Failure | Cause | Elimination Method | Remarks |
|------------------------------------|---|---|---|
| The transmitter light is not on | The batteries are not properly mounted | Check the positive and negative of the large-capacity batteries: the batteries are placed in the compartment with their negative towards the front of the transmitter. | Batteries 2032 and 2025 also apply, which can be bought in supermarkets, watch repair shop and toy store or through online stores. |
| The receiver does not work | The light is not on | The power is not correctly energized or the batteries are not properly placed. | Please contact the manufacturer if you fail to solve the problem. |
| | The light is on but does not ring | The learning mode is abnormal; please reset it in accordance with the instructions. | |
| Transmission distance is shortened | If wireless electronic product gets close to metal objects, the transmission distance will be affected. | Field test proves that effective transmission distance will be reduced if the transmitter is mounted near metal door or at sites with serious electromagnetic interference. Too many walls also interfere the signal. | The product shall be mounted away from metal objects; if appropriate mounting sites are not available, increase the distance between transmitter and metal objects. |
| No signal is received | The batteries run out | Replace the batteries of the transmitter | |
| DC sound is distorted | The batteries run out | Replace the batteries | |

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.

After-sales Matters

This after-sales service is provided in accordance with relevant national standards. Except for human damage, one-year free warranty is offered.

Manufacturer Guarantee

Our product adopts high-precision components, including stable double-sided PCB; the circuit scheme is designed by American Dr team. All plastic molds are produced in accordance with German standards. We innovate to provide consumers with more cost-effective products.

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