

# **User Manual for Wireless Door Sensor Doorbell**



## Product Introduction

Our wireless doorbells are expandable to add more receivers and transmitters including accessories like door and motion sensor.

Mini infrared motion sensor can detect the temperature change of human and big animals caused by movement. They are in small size and can be installed or placed at any indoor position to provide you with a door entry chime/alert system.

One doorbell receiver can work with 20 transmitters at most and each transmitter can be set to different or same chime/music.

## Parameters of Receiver

Voltage of plug-in receiver	110V (US)/ 220V (UK/EU)
Expandable to Multiple Smart Receiver or Transmitter	< up to 50
Working power of remote control	< 10mw
Volume range	30~110dB
Working frequency	433.92 MHz $\pm$ 280KHz
Working temperature	-15°C~60°C
Working range	600 feet

## Parameters of Mini Door Sensor

Wireless transmitting distance:  $\leq 80\text{m}$ (in the open area)

Transmitting frequency: 443.92MHZ

Operating Voltage: 3V DC(1\*CR1632 battery)

Operating current: 3uA(standby), 15mA(Transmitting)

Installation gap:  $\leq 1\text{CM}$

Working temperature:  $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$

Working Humidity:  $\leq 85\%$

## Contents

1 door sensor ( transmitting part & magnetic stripe) , 1 button battery (3V CR1632), adhesive tapes on backside of 2 parts


## What You Should Know Before Installation

1. The radio frequency signal of door chime can be affected by metal, walls, installation height, and interference signals from other products. Its working range is 150~200 meter in open area. Please first test the operating range you desire at 3.3 feet height at least. And set chime before installation if needed.
2. Mini door sensor is for indoor use (non-waterproof). Please take out the battery insulating stripe before use.
3. Door sensor will be triggered and indicator will light up whenever the two parts are separated more than 0.4 inch. So the installation gap between 2 parts should be less than 0.4 inch.
4. Please stick the mini door sensor onto even and clean surface and note that sticker will have poor adhesion if you attach it to a dirty or uneven surface. Sunlight or water will also affect the adhesion over a longer period of time.





# Operating Instructions

## 1. Volume Adjustment of Receiver


There are 4 levels of volume for choosing. Find the Volume Control Button  on left side of receiver. Press this button repeatedly to get desired volume level.

## 2. Music/Chime Selection of Receiver

There are 52 music/chimes. Use Forward  and Backward  Music Control Buttons on receiver to cycle through the different music/chimes. To set and activate the chosen or desired music/chimes, follow step 3.

## 3. Pairing Door Sensor and Setting Music/ Chime

a) Select a desired music/chime for one sensor by pressing the Music Control Buttons on receiver. (Refer to step 2)

b) Set Receiver into learning mode (pairing mode) by pressing the Volume Control Button  on receiver for 5 seconds. Then you will hear a "pairing alert chirp" and see fast **CONTINUOUS** LED flashing on the receiver--this will indicate the pairing ready status.

c) Next, quickly trigger the sensor **within 5 seconds** (see Note 1) by separating the two parts of door sensor. You will hear the music/chime you selected, which means that your operation is completed successfully.


**Note 1:** You must trigger the sensor within 5 seconds after entering learning mode since receiver will exit the mode automatically without getting signal from sensor after 5 seconds.

#### 4. For Pairing Additional Sensors

Just repeat Step 3a-3b-3c for each additional transmitter.

**Note 2:** Pair and **set only one transmitter at a time** to avoid interference and ensure successful operation. Different or the same music/chime can be set for multiple transmitters.

#### 5.Reset (Clearing out Settings)

To clear out all settings, press the Music Control Forward button  for 5 seconds, you will hear a "pairing alert chirp" and see a **SINGLE** quick flash, then the music/chime of receiver will turn into the default one (Ding Dong) and pairing will be unset and cleared. You can trigger a transmitter to verify.

### Installation Method

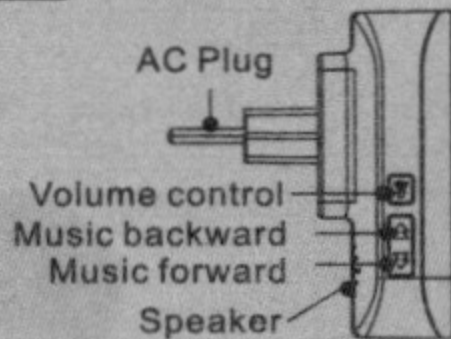
Before installation, please test if the operating range you choose is working and set music/chime if needed.

#### 1. Receivers Installation

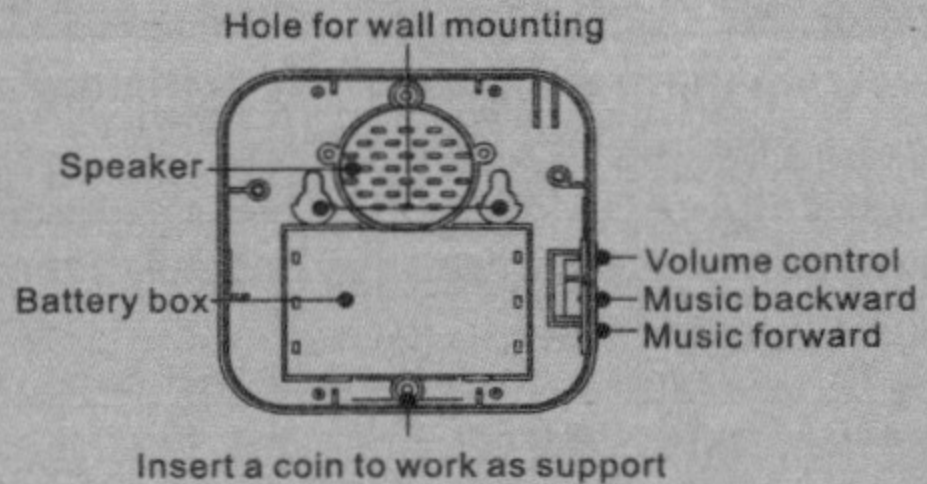
a) Plug-in receiver: Just plug receiver into standard outlet in room, then it will work.

b) Battery-type receiver: Put in three 1.5 AAA batteries, then you can choose whether to hang it up or just put it on desk.

## B series

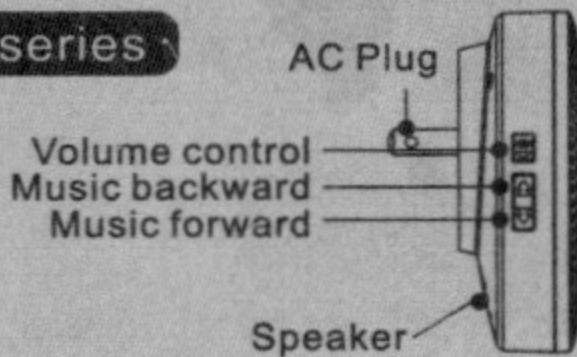


AC powered receiver

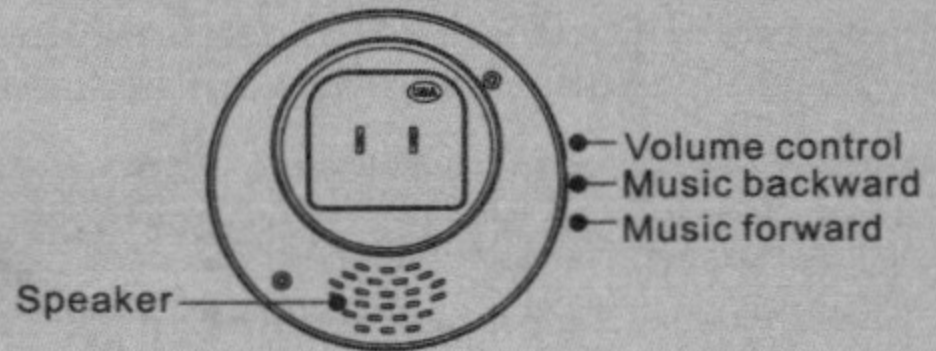


Battery powered receiver

## D series



AC powered receiver

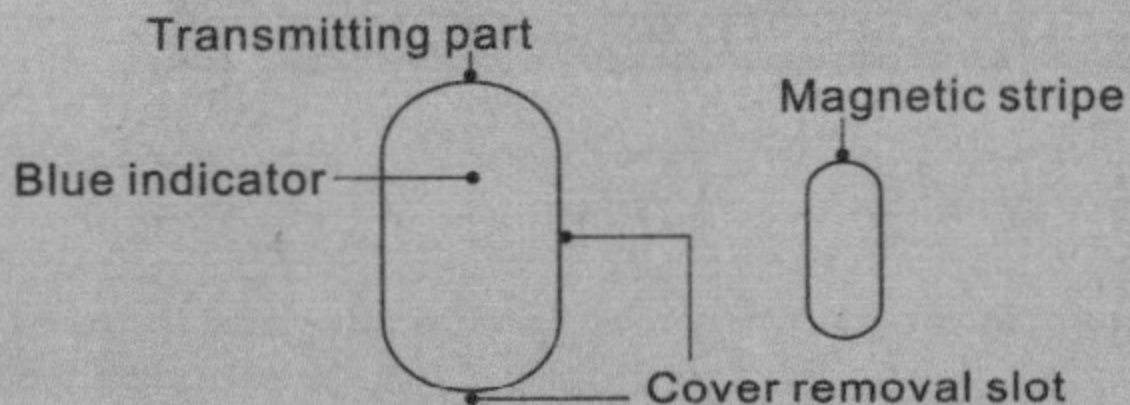


## 2. Mini Door Sensors Installation

Door sensor works no matter which side (left or right) of the transmitting part the magnetic stripe is installed at.

- Ensure all surfaces are clean by wiping the installation area with clean cloth.
- Find the adhesive stickers on backsides of 2 parts of the sensor, tear off the left side of the stickers and stick them respectively onto even surface like edge & frame of a door or window (Gap between 2 parts:  $\leq 0.4$  inch; Height:  $\geq 3.3$  feet). Finally press for 10 seconds.

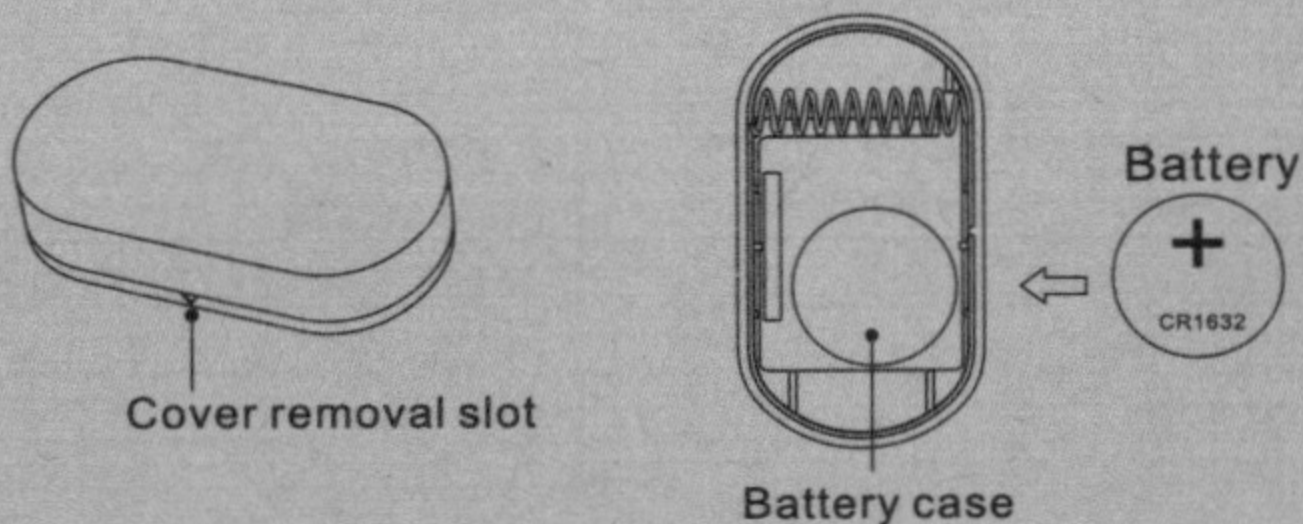




## Battery Replacement

### Low power alert

In normal status, blue indicator will light up once when it is triggered; but in low power state, indicator will make 2 more quick flashes after the normal one. Battery type: 3V CR1632.



## **Battery replacement**

- a) Open the transmitting part of door sensor from cover removal slot.
- b) Find the battery case and take out battery.
- c) Replace the battery. Please note that the surface with "+" and "CR 1632" should be up.

## **Common Problems and Troubleshootings**

**Receiver suddenly can't get signal from transmitter and doesn't ring.**

**Reason 1:** Low-power battery in transmitter. The less power in transmitter, the shorter range is.

**Solution 1:** Replace with a new battery.

**Reason 2:** Reset the receiver by accident so that transmitter is not paired with receiver any more.

**Solution 2:** Re-pair receiver with transmitter following the Operation Instructions.

**Reason3:** Plug of receiver is loose

**Solution 3:** Re-plug your receiver.