



## Expandable Series Flashing and Vibrating Doorbell System

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## Product Introduction

SadoTech flashing and vibrating doorbell belongs to expandable series. It is compatible with other SadoTech expandable series like Starpoint, Crosspoint doorbells. It is not only designed specifically for the blind, hearing impaired and seniors but also for business and store owners working in quiet or noisy environments by using the vibrating receiver(with belt clip).

### Main features are below:

- 500 feet working range(1000 feet in open area).
  - Flashing receiver has 3 options of working modes:  
a) Only flashing b) Only ringing c) Flashing+ringing
  - Flashing receiver can work as a night light when there's a power cut. Built-in lithium battery will start the LED lights when there's no AC power.
  - Vibrating receiver with belt clip is easy to carry and feel vibration.
- Suitable to be used in quiet office (at lowest volumes) or noisy store.  
5. 52 chime/music; 4 level of adjustable volume  
6. Easy installation and operation

## Contents

1 plug-in receiver, 1 portable vibrating receiver unit with belt clip (AAA batteries are not included), 1 remote transmitter button including 12V 23A battery, 1 double-sided tape, 2 screws and anchors.

## Parameters

Parameter	Flashing receiver	Vibrating receiver	Transmitter
Voltage	AC 110V/220V	3V DC (4xAAA (AAA 540444*2))	12V 23A (alkaline battery)*
Operating temperature	-15°C~55°C	-15°C~55°C	25°C~65°C
Transmission distance	200m in open air		
Operating frequency	433.92MHz-434.92MHz		
Volume	85~110dB		
Power consumption	0.1W		

## What You Should Know Before Installation

Doorbell's radio frequency signal can be affected by metal, walls, installation height, and interference signals from other products. Our expandable doorbell can work within 500 feet range (1000 feet in non-interference environment). Generally, it can work within 100-500 feet through metal security doors and walls.

1. Please first switch on the vibrating receiver and choose working mode for flashing receiver. And then test the operating range you desire. Choose an electric outlet at the height of 3-5 feet at least and plug in the flashing receiver; take the button outside the door to test if it can work well within the range you have chosen.

2. Set a desired music/chime (different or same one) for transmitters before installation. For music/chime setting, see Operating Instructions. Doorbells have been paired and set to a default chime (Ding Dong) before leaving factory.

3. Please do not install transmitter on metal doors since it is not easy for the signal to transmit.

4. Transmitter in package is weather-resistant, please mount it under a protected area such as awning or canopy. And please install it in the right way up—cover removal slot pointing down (button is closer to the bottom), see product diagram.

5. Operating range will become shorter and LED indicator turns darker if battery in transmitter is at low power status. Battery type in receiver is 12V 23A alkaline battery. And battery in vibrating receiver is AAA type.

6. Low power alert of vibrating receiver: if the vibrating receiver keeps ringing itself without any button pressed and LED indicator becomes darker, please replace with fresh batteries.

## Operating Instructions

### 1. Volume Adjustment

There are 4 levels of volume for choosing. Find the 'Volume Control Button' on receivers, see product diagram. Press this button repeatedly to get desired volume level.

### 2. Music/Chime Selection

There are 52 choices of music/chimes. Use Music Control Button on receivers to cycle through the different music/chimes. To set and activate the chosen or desired music/chime, follow step 3.

### 3. Pairing Transmitters and Setting Music/Chime

a) Select a desired music/chime for one transmitter by pressing the Music Control Button 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) Test, quickly trigger the pairing process within 5 seconds (see Note 1) by pressing transmitter push button. You will hear the music/chime you selected, which means that your operation is completed successfully.

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

### 4. For Pairing Additional Transmitters

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 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 and press a transmitter to verify the unsetting.

## Installation Methods

Before installation, please first switch on both receivers and then test if the operating range you choose is working and set music/chime if needed.

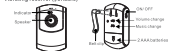
### 1. Receivers Installation

a) Flashing receiver: Just plug receiver into standard outlet in room, then it will work. Please choose model/music/chime or make pairing first if you want to add more transmitters.  
b) Vibrating receiver: Put in 2 AAA batteries, then you can choose whether to carry it or just put it on desk.

### Flashing receiver



### Vibrating receiver (portable)



### 2. Transmitter Installation Method 1: Screws & Anchors

Please mount it under a protected area such as awning or canopy and in the right way up—Cover removal slot pointing down and button close to bottom.

a) Open front cover from the BOTTOM and take out battery.  
b) Punch the 2 reserved holes for mounting under PCB board on back cover with a drill or screw driver.  
c) Make holes in the wall with an electronic drill and then insert 2 anchors provided in the package.

d) Screw up the back cover with PCB board and then put back battery and front cover in right way. See diagram below.

### Transmitter Installation Method 2: Adhesive Sticker

a) Ensure all surfaces are clean by wiping the installation area with a clean cloth.  
b) After ensuring the correct operating range, tear off one side of the double-sided adhesive sticker and stick it to the underside of the transmitter; tear off the other side and stick it onto the wall and press for 10 seconds. (Please note that the sticker will have poor adhesion if you attach to a dirty or uneven surface. Sunlight or rain will also affect the adhesion over a longer period of time.)

### Weather-resistant transmitter



## Common Problems and Shooting

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.

Reason 3: There's water or rust on the PCB board of transmitter.  
Solution 3: Dry the PCB board or buy a new transmitter.

For further support, please contact us at support@sadotech.com