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› Wireless Motion Sensor Door Chime Instruction Manual

## AMHEY DW520+P827

# AMHEY Wireless Motion Sensor Door Chime Instruction Manual

Model: DW520+P827

## INTRODUCTION

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The AMHEY Wireless Motion Sensor Door Chime is designed to provide reliable motion detection and alerts for various applications, including business entries, home security, and caregiver assistance. Featuring a wide wireless range, multiple chime options, and adjustable volume levels, this system offers enhanced convenience and security. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your device to ensure optimal performance.

## PACKAGE CONTENTS

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- 1 x Plug-in Receiver Unit
- 1 x Motion Sensor Detector
- 2 x AAA Batteries (for motion sensor)
- 1 x User Manual
- Mounting Screws and Adhesive Pad



Image: The main components of the AMHEY Wireless Motion Sensor Door Chime, including the receiver and the motion sensor.

## SETUP GUIDE

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### 1. Install Batteries in Motion Sensor

1. Open the battery compartment on the back of the motion sensor.
2. Insert 2 AAA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment securely.



2\*AAA Batteries



Please note: PIR motion detector is not waterproof, so it's covered and protected from the sun and rain



360°Rotation



110°Detection angle



Max 13-26ft  
detection range

Image: The motion sensor with its battery compartment open, illustrating the correct insertion of AAA batteries.

## 2. Plug in the Receiver Unit

- Plug the receiver unit into a standard AC power outlet (100-240V).
- The LED light on the receiver will flash once, indicating it is powered on and ready.

# 32 Chimes and Tunes



short dingdong  
long music  
alarm  
.....



32 Chimes and Tunes



5 Volume Levels



LED Indicator

Image: The receiver unit is shown plugged into a standard wall outlet, ready for operation.

## 3. Pairing the Sensor and Receiver

The units are pre-paired from the factory. If re-pairing is needed or adding additional sensors:

1. On the receiver, press and hold the **Volume** button for 5 seconds until the LED light flashes rapidly and the receiver beeps, indicating it is in pairing mode.
2. Trigger the motion sensor by waving your hand in front of it. The sensor's LED indicator will flash once.
3. The receiver will beep once, confirming successful pairing.
4. Short press any button on the receiver to exit pairing mode. If no operation for 20 seconds, the host will exit pairing state automatically.

Your browser does not support the video tag.

Video: Demonstrates the pairing process between the motion sensor and the receiver unit, showing how to activate pairing mode and trigger the sensor for connection.

## 4. Mounting the Motion Sensor

The motion sensor can be mounted using screws or the adhesive pad.

- **Screw Mounting:** Use the provided screws to fix the mounting bracket to a wall or surface. Attach the motion sensor to the bracket.
- **Adhesive Mounting:** Peel off the protective film from the adhesive pad and stick it to the back of the motion sensor. Press firmly onto a clean, dry surface.

For optimal detection, mount the sensor 16-26 feet from the detection area, with a 110° detection angle. Adjust the angle as needed. Note: The PIR motion detector is not waterproof; ensure it is covered and protected from direct sun and rain if placed outdoors.



2\*AAA Batteries



Please note: PIR motion detector is not waterproof, so it's covered and protected from the sun and rain



360°Rotation



110°Detection angle



Max 13-26ft  
detection range

Image: The motion sensor's adjustable base allows for 360-degree rotation and a 110-degree detection angle for flexible placement.

## OPERATING INSTRUCTIONS

### 1. Adjusting Volume Levels

- Press the **Volume** button on the receiver to cycle through 5 adjustable volume levels (0-110dB).
- The lowest setting is a silent mode, where only the LED indicator flashes.

Your browser does not support the video tag.

Video: Illustrates how to adjust the volume levels on the receiver unit, including the silent mode option.

### 2. Changing Chime Tones

- Press the **Ringtone** button on the receiver to cycle through 32 unique chime tones.
- Select your preferred tone for different alert types.

## 32 Chimes and Tunes



short dingdong  
long music  
alarm  
.....



32 Chimes and Tunes



5 Volume Levels



LED Indicator

Image: Close-up of the receiver unit highlighting the ringtone and volume control buttons.

### 3. Motion Detection

- When motion is detected by the sensor, it will transmit a signal to the receiver.
- The receiver will play the selected chime tone and its LED indicator will flash.



Image: The motion sensor is shown detecting movement near a doorway, with the receiver unit providing an alert.

## MAINTENANCE

- **Battery Replacement:** Replace the AAA batteries in the motion sensor when the detection range decreases or the LED indicator on the sensor no longer flashes.
- **Cleaning:** Use a soft, dry cloth to clean the surfaces of both the receiver and the motion sensor. Do not use

abrasive cleaners or solvents.

- **Placement:** Avoid placing the motion sensor in direct sunlight, near heat sources, or in areas with high air flow (e.g., near air conditioners or large fans) as this may affect performance.

## TROUBLESHOOTING

### 1. Receiver Not Responding to Sensor

- **Check Batteries:** Ensure the motion sensor has fresh batteries and they are installed correctly.
- **Re-pair Units:** Follow the pairing instructions in the "Setup Guide" section to re-establish the connection.
- **Range:** Verify that the sensor and receiver are within the 500ft wireless range. Obstacles like thick walls or metal objects can reduce range.
- **Interference:** Move the units away from other wireless devices that might cause interference.

### 2. False Alarms

- **Sensor Placement:** Adjust the sensor's angle or location to avoid detecting pets, moving curtains, or direct sunlight.
- **Environmental Factors:** High temperatures or rapid air currents can sometimes trigger false alarms. Ensure the sensor is in a stable environment.

### 3. No Sound from Receiver

- **Volume Level:** Check the volume setting on the receiver. It might be set to silent mode. Press the Volume button to increase the sound.
- **Power:** Ensure the receiver is properly plugged into a working power outlet.

## SPECIFICATIONS

| Feature                | Detail                                    |
|------------------------|-------------------------------------------|
| Model Number           | DW520+P827                                |
| Brand                  | AMHEY                                     |
| Wireless Range         | Up to 500ft (in open space)               |
| Motion Detection Range | 16-26ft x 110°                            |
| Chime Tones            | 32 selectable tunes                       |
| Volume Levels          | 5 levels (0-110dB), including silent mode |
| Receiver Power         | AC 100-240V                               |

| Feature            | Detail                       |
|--------------------|------------------------------|
| Sensor Battery     | 2 x AAA batteries (included) |
| Material           | ABS Plastic                  |
| Item Weight        | 5.9 ounces                   |
| Product Dimensions | 5.51 x 4.21 x 2.13 inches    |

## WARRANTY AND SUPPORT

AMHEY provides a replacement for any product defect and customer dissatisfaction. If you have any questions or require assistance, please contact us with your order number and specific questions. For further support, visit the official [AMHEY Store on Amazon](#).

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

