BITIWEND PIR Motion Detector Alarm System

BITIWEND PIR Motion Detector Alarm System User Manual

Model: PIR Motion Detector Alarm System

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your BITIWEND PIR Motion Detector Alarm System. Please read this manual thoroughly before use to ensure proper functionality and safety. This system is designed to enhance security in various environments, including homes, RVs, garages, and shops, by detecting motion and alerting users.

Image: The BITIWEND PIR Motion Detector Alarm System in an active state, illustrating its function in detecting movement.

PRODUCT OVERVIEW

Components

- **PIR Motion Sensor (Transmitter):** Detects movement within its field of view.
- **Receiver (Chime Unit):** Plugs into a standard power outlet and emits an audible and visual alert when motion is detected by the sensor.
- **Mounting Accessories:** Screws and wall anchors for sensor installation.

Key Features

- **Detection Range:** 4-5 meters (13-16 feet) with a 110° detection angle.
- **Wireless Range:** Up to 150 meters (492 feet) in open areas between sensor and receiver.
- **Alarm Volume:** Adjustable from 0 dB (silent mode) to 110 dB.
- **Melodies:** 58 selectable chime melodies.

- **Visual Alert:** Integrated LED display on the receiver for visual notification.
- **Expandable System:** Each receiver supports up to 20 motion sensors. Each sensor can be paired with multiple receivers.
- **Power Options:** Sensor operates on 2 AA batteries or USB power. Receiver plugs into an AC outlet.
- **Operating Temperature:** -20°C to 50°C (-4°F to 122°F).

Image: Overview of the BITIWEND PIR Motion Detector Alarm System components, including the motion sensor and receiver unit.

SETUP

1. Powering the Devices

1. **Receiver:** Plug the receiver into a standard AC power outlet. The LED indicator will light up.
2. **Motion Sensor:**
   a. Open the battery compartment on the back of the motion sensor.

b. Insert 2 AA alkaline batteries, ensuring correct polarity (+/-).

c. Alternatively, connect the sensor to a USB power source using a compatible cable (not included).

d. Close the battery compartment.

Image: Step-by-step guide for easy installation of the motion sensor and how to replace its batteries.

2. Pairing the Sensor and Receiver

1. Ensure both the receiver and sensor are powered on.
2. On the receiver, press and hold the **Volume Button** for approximately 5 seconds until the receiver emits a short beep and its LED indicator flashes rapidly. This indicates pairing mode.
3. Within 5 seconds, trigger the motion sensor by waving your hand in front of it. The receiver will chime, confirming successful pairing.
4. If pairing fails, repeat the steps.

3. Mounting the Motion Sensor

The motion sensor is designed for indoor mounting. Choose a location where it can effectively detect movement in the desired area, such as near a door, window, or hallway. Avoid direct sunlight or heat sources, and ensure it is not exposed to rain or moisture.

1. Identify a suitable mounting location, typically 1.5 to 2.5 meters (5 to 8 feet) above the ground.
2. Use the provided screws and wall anchors to securely mount the sensor bracket to the wall or ceiling.
3. Attach the motion sensor to the bracket. The sensor can be rotated 360° and tilted 90° to adjust the detection angle.

Image: Diagram illustrating the vertical (60°) and horizontal (110°) detection angles of the motion sensor, along with mounting flexibility.

OPERATING INSTRUCTIONS

Adjusting Volume and Melody

- **Volume Adjustment:** Press the **Volume Button** on the receiver repeatedly to cycle through the 5 volume levels (0 dB to 110 dB). Select the desired volume.

- **Melody Selection:** Press the **Up Button** or **Down Button** on the receiver to cycle through the 58 available melodies. The receiver will play a preview of each melody.

- The receiver has a memory function that retains your last selected volume and melody settings even after a power outage.

System Expansion

To expand your security system, you can add more BITIWEND motion sensors or receivers. Follow the pairing instructions (Section 3.2) for each new sensor you wish to add to an existing receiver. Each receiver can support up to 20 sensors.

MAINTENANCE

Battery Replacement

When the motion sensor's battery is low, its indicator light may flash or it may fail to transmit signals reliably. Replace the 2 AA batteries as described in the "Powering the Devices" section (Section 3.1).

Cleaning

Wipe the devices with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure no liquid enters the device openings.

Environmental Considerations

The motion sensor is not waterproof. Install it in a protected indoor location to prevent water damage. Avoid placing the sensor near strong electromagnetic fields or areas with rapid temperature changes, which could affect performance.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Receiver does not chime when motion is detected.	- Receiver not powered. - Sensor batteries are low or dead. - Sensor and receiver are not paired. - Distance between sensor and receiver is too far or obstructed. - Receiver volume is set to 0 dB (silent mode).	- Ensure receiver is plugged into a working outlet. - Replace sensor batteries or connect to USB power. - Re-pair the sensor and receiver (refer to Section 3.2). - Reduce distance or remove obstructions. - Increase receiver volume using the Volume Button.
False alarms.	- Sensor placed in an area with drafts, direct sunlight, or moving objects (e.g., curtains). - Pets or small animals triggering the sensor.	- Relocate the sensor to an area free from environmental disturbances. - Adjust sensor angle to avoid detecting pets if possible.
Short wireless range.	- Thick walls, metal structures, or other electronic devices interfering with the signal. - Sensor batteries are low.	- Relocate receiver or sensor to minimize obstructions and interference. - Replace sensor batteries.

SPECIFICATIONS

Feature	Detail
Manufacturer	BITIWEND
Model	PIR Motion Detector Alarm System
Detection Range (PIR)	4-5 meters (13-16 feet)
Detection Angle (PIR)	110° horizontal, 60° vertical
Wireless Transmission Range	Up to 150 meters (492 feet) in open area
Alarm Volume	0 dB to 110 dB (5 levels)
Melodies	58 selectable
Sensor Power Source	2 x AA Alkaline batteries or USB power
Receiver Power Source	AC power outlet (Standby < 0.25W)
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Dimensions (Sensor)	Approx. 10 x 5.5 x 3.6 cm (3.9 x 2.1 x 1.4 inches)
Dimensions (Receiver)	Approx. 7.5 x 7.5 cm (2.9 x 2.9 inches)
Weight (Package)	260 grams

Image: Detailed dimensions of both the motion sensor and the receiver unit.

WARRANTY AND SUPPORT

Specific warranty information is not provided in the product details. For warranty claims, technical support, or any product-related inquiries, please contact BITIWEND customer service through your purchase platform or the official BITIWEND website. Keep your purchase receipt as proof of purchase.

BITIWEND is committed to providing quality products and customer satisfaction. Your feedback is valuable and helps us improve our products and services.