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Mengshen MS-YBQ04

Mengshen Motion Sensor Alarm System YBQ04 User Manual

Model: MS-YBQ04

1. INTRODUCTION

The Mengshen Motion Sensor Alarm System YBQ04 is a versatile wireless security device designed to alert you to movement in various environments. It features a motion sensor and a receiver, offering multiple operational modes suitable for home security, doorbell functions, or entry alerts for businesses. This manual provides detailed instructions for setup, operation, and maintenance.

1.1 Package Contents

Before proceeding, please verify that all components are present in your package:

- 1 x Motion Sensor Unit
- 1 x Receiver Unit
- Mounting Accessories (screws, adhesive tape)
- User Manual (this document)



Image 1.1: Contents of the Mengshen Motion Sensor Alarm System YBQ04 package.

2. PRODUCT OVERVIEW

Familiarize yourself with the main components and their controls.

2.1 Receiver Unit



Image 2.1: Labeled diagram of the Receiver Unit.

- **ON/OFF and Mode Key:** Powers the unit on/off and cycles through operating modes.
- **Music Select Key:** Changes the alert sound or melody.
- **Volume Key:** Adjusts the sound level.
- **LED Light:** Indicates activity and mode.
- **Speaker:** Emits alert sounds.
- **Desk Stand:** For tabletop placement.

2.2 Motion Sensor Unit



Image 2.2: Labeled diagram of the Motion Sensor Unit.

- **Infrared Induction Window:** Detects motion.
- **Indicator Light:** Flashes upon motion detection.
- **USB Interface:** For optional external power supply.
- **ON/OFF Switch:** Powers the sensor unit on/off.

3. SETUP

3.1 Battery Installation

Both the receiver and motion sensor units require batteries for operation. Batteries are not included.

- **Receiver:** Requires 3 x AA batteries. Open the battery compartment on the back of the receiver and insert the batteries, observing polarity.
- **Motion Sensor:** Requires 3 x AAA batteries. Open the battery compartment on the back of the sensor and insert the batteries, observing polarity.

Alternatively, both units can be powered via a USB 2.0 micro-B cable (not included) connected to a compatible USB power adapter.

3.2 Mounting the Motion Sensor

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

1. Choose a location where the sensor's infrared window has a clear line of sight to the area you wish to

monitor.

2. Ensure the mounting surface is clean and dry.
3. **Using Screws:** Mark the desired screw positions, drill pilot holes if necessary, and secure the mounting bracket with the screws. Attach the sensor to the bracket.
4. **Using Adhesive Tape:** Apply the adhesive tape to the back of the sensor or mounting bracket, then firmly press it onto the desired surface.



Image 3.1: Example of motion sensor placement for door entry detection.



Image 3.2: Example of motion sensor placement for security monitoring.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- **Receiver:** Press and hold the **ON/OFF and Mode Key** for a few seconds to power on or off.
- **Motion Sensor:** Use the **ON/OFF Switch** on the side of the unit to power on or off.

4.2 Selecting Operating Modes

The receiver unit offers five distinct operating modes:

1. **Welcome Mode:** Plays a welcome message upon motion detection.
2. **Doorbell Mode:** Sounds a doorbell chime upon motion detection.
3. **Alarm Mode:** Emits a loud alarm sound upon motion detection (up to 113dB).
4. **Color Light Mode:** Activates a colored light display upon motion detection without sound.
5. **Night Light Mode:** Provides a soft light upon motion detection, suitable for low-light environments.

To cycle through these modes, short press the **ON/OFF and Mode Key** on the receiver unit. The LED light

may indicate the current mode, but direct feedback on the selected mode is not always provided visually or audibly. It is recommended to test the mode after selection.

4.3 Adjusting Volume

Press the **Volume Key** on the receiver unit to cycle through available volume levels.

4.4 Selecting Music/Chime

Press the **Music Select Key** on the receiver unit to choose from various melodies or chimes available in Doorbell or Welcome modes.

5. MAINTENANCE

5.1 Battery Replacement

When the units exhibit reduced performance or fail to operate, replace the batteries:

- **Receiver:** Replace 3 x AA batteries.
- **Motion Sensor:** Replace 3 x AAA batteries.

Ensure correct polarity during installation. Dispose of old batteries responsibly according to local regulations.

5.2 Cleaning

Wipe the units with a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the plastic casing or electronic components. Keep the infrared induction window of the sensor clean for optimal performance.

6. TROUBLESHOOTING

• **No Sound/Light from Receiver:**

Ensure the receiver is powered on and batteries are correctly installed or USB power is connected. Check the volume level. Verify the motion sensor is powered on and detecting motion.

• **Motion Sensor Not Detecting:**

Ensure the sensor is powered on and its infrared induction window is clean and unobstructed. Check battery levels. Ensure the sensor is within the wireless range of the receiver (up to 280 meters in open areas).

• **Alarm is Too Loud:**

The alarm mode can reach 113dB. When setting up or testing, especially in Alarm Mode, consider wearing ear protection. Adjust the volume using the Volume Key or switch to a different mode if a quieter alert is desired.

• **Difficulty Changing Modes:**

The receiver's mode selection does not always provide immediate audible or visual feedback for the specific mode chosen. After pressing the Mode Key, trigger the sensor to confirm the active mode.

• **Interference:**

Wireless devices can be subject to interference. If experiencing inconsistent performance, try relocating the sensor or receiver to minimize potential interference from other electronic devices or large metal objects.

7. SPECIFICATIONS

Brand	Mengshen
Model Number	MS-YBQ04
Color	White
Power Source (Receiver)	3 x AA Batteries or USB 2.0 micro-B
Power Source (Sensor)	3 x AAA Batteries or USB 2.0 micro-B
Item Weight	Approximately 200 Grams (7.1 ounces)
Maximum Wireless Range	280 Meters (open area)
Mounting Type	Door Mount (with screws or adhesive)
Alarm Volume	Maximum 113dB
Operating Temperature	Not specified precisely, generally suitable for indoor use.
UPC	732030586543

8. WARRANTY AND SUPPORT

Mengshen products are designed for reliability and performance. For specific warranty information, please refer to the documentation included with your purchase or contact Mengshen customer support directly. If you encounter any issues not covered in this manual, please reach out to the retailer or manufacturer for assistance.

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Related Documents - MS-YBQ04

 <p>Mengshen INSTRUCTION MANUAL Humidity & Temperature Meter With Built-in Sensors Dew Point & Wet Bulb Temperature</p>	<p>Mengshen Humidity & Temperature Meter Instruction Manual</p> <p>This instruction manual provides comprehensive details for the Mengshen Humidity & Temperature Meter. It covers product overview, technical specifications, panel descriptions, measurement procedures for humidity, temperature, dew point, and wet bulb temperature, as well as battery replacement instructions. Ideal for professionals and general use in various environments.</p>
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 <p>Mengshen INSTRUCTION MANUAL Humidity & Temperature Meter Wet Bulb Temperature Dew Point Temperature</p>	<p>Mengshen HT-86 Humidity and Temperature Meter Instruction Manual</p> <p>Instruction manual for the Mengshen HT-86, a professional-level instrument for measuring ambient temperature, humidity, dew point, and wet bulb temperature. Includes features, specifications, panel description, measurement instructions, and battery replacement.</p>
 <p>Introduction Water Diagram Display Description Sound Level Meter</p>	<p>HT-1890 Digital Manometer User Guide and Specifications</p> <p>Comprehensive guide to the HT-1890 handheld digital manometer, detailing its features, operation, specifications, and error codes for HVAC and air conditioning system testing.</p>
 <p>Sound Level Meter</p>	<p>Mengshen HT-80A Sound Level Meter User Manual</p> <p>Comprehensive user manual for the Mengshen HT-80A Sound Level Meter, detailing its features, specifications, operation, and precautions for accurate sound level measurements.</p>
 <p>Addressable Fire Alarm Control Panel MS-9600LS/MS-9600LSE MS-9600UDLS/MS-9600UDLSE MS-9600LSC Manual</p>	<p>Fire-Lite MS-9600LS/MS-9600UDLS Series Addressable Fire Alarm Control Panel Manual</p> <p>This manual provides comprehensive guidance on the installation, operation, and programming of the Fire-Lite MS-9600LS, MS-9600LSE, MS-9600UDLS, MS-9600UDLSE, and MS-9600LSC addressable fire alarm control panels. It covers system setup, device configuration, operational procedures, and essential safety information.</p>
 <p>Integrated Wireless Mini Scoreboards for Team Sports User Guide Colorado Time Systems</p>	<p>Integrated Wireless Mini Scoreboards User Guide - Colorado Time Systems</p> <p>User guide for Colorado Time Systems Integrated Wireless Mini Scoreboards (2.4 GHz wireless) for team sports. Covers product overview, installation, operating instructions, battery replacement, and technical standards for models MS-0055 through MS-0080.</p>