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› Mengshen Anti-Theft Bicycle Alarm User Manual

## Mengshen MS-Z09

# Mengshen Anti-Theft Bicycle Alarm User Manual

Model: MS-Z09

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Mengshen Anti-Theft Bicycle Alarm. This device is designed to provide enhanced security for your bicycle, e-bike, motorcycle, scooter, trailer, and can also be used for doors and windows. Please read this manual thoroughly before use to ensure proper functionality and safety.

## 2. PRODUCT OVERVIEW

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The Mengshen Anti-Theft Alarm system consists of a main alarm unit and a wireless remote control. The alarm unit features a loud siren and motion detection capabilities, while the remote allows for convenient arming, disarming, and other functions.



Figure 2.1: The main alarm unit (left) and its wireless remote control (right).

## 2.1 Remote Control Functions

The remote control provides four primary functions:

- **Arm Button (Locked Padlock Icon):** Activates the alarm system.
- **Disarm Button (Unlocked Padlock Icon):** Deactivates the alarm system.
- **Tone Select Button (Lightning Bolt Icon):** Cycles through different alarm tones.
- **Vehicle Finder Button (Bell Icon):** Triggers a short alarm sound to help locate your vehicle.



Figure 2.2: Wireless Remote Control Button Functions.

### 3. FEATURES

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- **113dB Security Alarm:** Emits a loud siren upon detection of movement, serving as a strong deterrent.
- **Waterproof Design (IP55):** Constructed with a PC material shell, allowing for outdoor use in various weather conditions.
- **Adjustable Sensitivity:** Features 7 levels of sensitivity to prevent false alarms and adapt to different environments.
- **Easy Installation:** Includes double-sided adhesive and straps for stable and firm mounting on various surfaces.
- **Wide Application:** Suitable for bicycles, e-bikes, motorcycles, scooters, trailers, doors, and windows.
- **Wireless Remote Control:** Conveniently arm, disarm, and control the alarm from a distance of up to 15 meters.

# *Adjustable Sensitivity*



**7**  
*Levels*

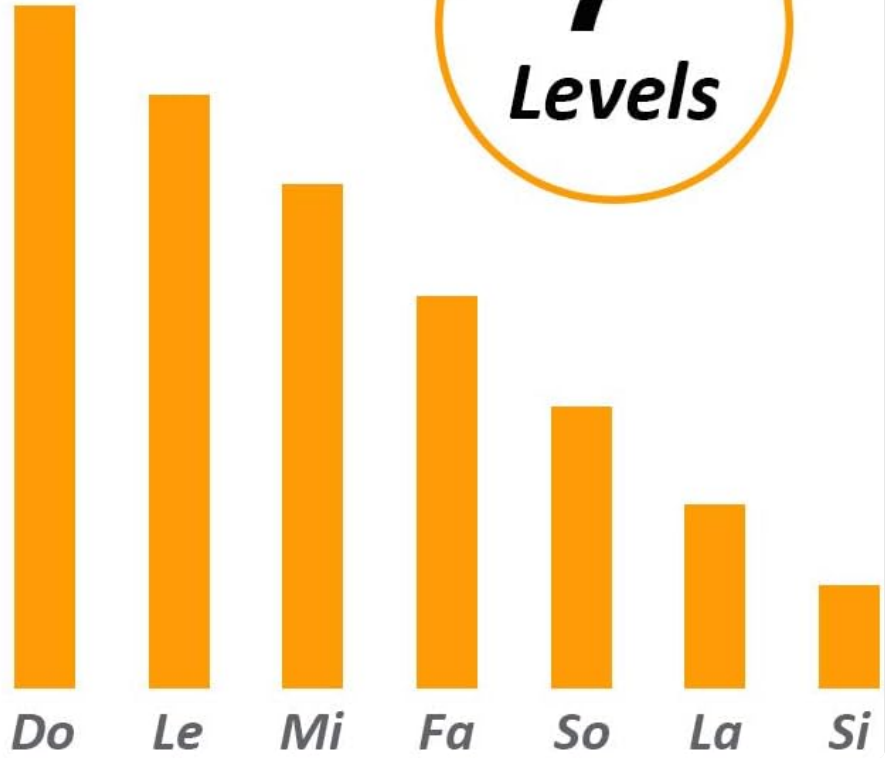


Figure 3.1: The alarm produces a powerful 113dB sound.

# Wide Application



Figure 3.2: The alarm is suitable for a wide range of applications.

## 4. PACKAGE CONTENTS

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Please verify that all items are present in your package:

- 1 x Alarm Unit
- 1 x Wireless Remote Control
- 1 x Screwdriver (for battery compartment)
- 2 x Double-sided Adhesive Pads
- 2 x Zip Ties
- 1 x User Manual (this document)



Figure 4.1: All components included in the product package.

## 5. SETUP AND INSTALLATION

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The alarm unit can be installed using either the provided double-sided adhesive pads or the zip ties.

1. **Choose a Mounting Location:** Select a discreet and secure location on your bicycle, motorcycle, or other item. Ensure the surface is clean and dry. For bicycles, the seat post or frame are common locations.
2. **Using Double-sided Adhesive:**
  - Peel off one side of the adhesive pad and firmly attach it to the back of the alarm unit.
  - Peel off the other side of the adhesive pad and press the alarm unit firmly onto the chosen mounting surface for at least 30 seconds.
3. **Using Zip Ties:**
  - Thread the zip ties through the designated slots on the back of the alarm unit.

- Wrap the zip ties around the frame or seat post and secure them tightly. Trim any excess zip tie length.

4. **Battery Installation:** The alarm unit requires 3 AAA batteries. Open the battery compartment using the provided screwdriver, insert the batteries according to polarity markings, and close the compartment securely.



Figure 5.1: Example installation of the alarm unit on a bicycle seat post.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Arming the Alarm

Press the **Arm** button (locked padlock icon) on the remote control. The alarm unit will emit a short beep to confirm it is armed. Any significant movement detected after arming will trigger the alarm.

### 6.2 Disarming the Alarm

Press the **Disarm** button (unlocked padlock icon) on the remote control. The alarm unit will emit a short beep to confirm it is disarmed. The alarm will not trigger from movement while disarmed.

### 6.3 Changing Alarm Tone

Press the **Tone Select** button (lightning bolt icon) on the remote control to cycle through the available alarm tones. The alarm will play a sample of each tone as you press the button.

### 6.4 Vehicle Finder Function

Press the **Vehicle Finder** button (bell icon) on the remote control. The alarm unit will emit a short, distinct sound, allowing you to locate your vehicle in a crowded area without triggering the full alarm.

## 7. ADJUSTING SENSITIVITY

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The alarm features 7 levels of sensitivity, from least sensitive (level 1) to most sensitive (level 7). This allows you to customize the alarm's responsiveness to movement. To adjust the sensitivity:

1. Ensure the alarm is disarmed.
2. Press and hold the **Tone Select** button (lightning bolt icon) on the remote control for approximately 3 seconds until you hear a "Di" sound.
3. The alarm will then emit a series of "Di" sounds, indicating the current sensitivity level (e.g., one "Di" for level 1, seven "Di"s for level 7).
4. Press the **Tone Select** button again to cycle through the sensitivity levels. Each press will increase the sensitivity by one level. After level 7, it will loop back to level 1.
5. Once you have selected your desired sensitivity level, wait for 5 seconds without pressing any buttons. The alarm will automatically save the setting and exit the sensitivity adjustment mode.



Figure 7.1: The alarm offers 7 levels of adjustable sensitivity.

## 8. BATTERY REPLACEMENT

The alarm unit is powered by 3 AAA batteries. When the alarm sound becomes weak or the unit fails to respond, it is time to replace the batteries.

1. Locate the battery compartment on the alarm unit.
2. Use the provided screwdriver to open the battery compartment cover.
3. Remove the old AAA batteries.
4. Insert 3 new AAA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
5. Securely close the battery compartment cover.

The remote control uses a CR2032 button cell battery. If the remote's range decreases or it becomes unresponsive, replace its battery by carefully opening the remote casing and replacing the CR2032 battery.

## 9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Alarm not responding to remote.	Low batteries in alarm unit or remote; remote out of range.	Replace batteries in both units. Move closer to the alarm unit.
Alarm triggers too easily (false alarms).	Sensitivity setting is too high.	Adjust sensitivity to a lower level (see Section 7).
Alarm not triggering when moved.	Alarm is disarmed; sensitivity setting is too low; low batteries.	Ensure alarm is armed. Adjust sensitivity to a higher level. Replace batteries.
Alarm sound is weak.	Low batteries in the alarm unit.	Replace AAA batteries in the alarm unit.

## 10. SPECIFICATIONS

Feature	Detail
Model Number	MS-Z09
Alarm Volume	113 dB
Waterproof Level	IP55
Alarm Unit Batteries	3 x AAA batteries (required)
Remote Control Battery	1 x CR2032 button cell battery (included)
Wireless Range	Up to 15 meters (49 feet)
Item Weight	2.82 ounces (approx. 80g)
Product Dimensions	3.7 x 1.6 x 0.8 inches (approx. 9.4 x 4.1 x 2.0 cm)
Compatible Devices	Bicycles, e-bikes, motorcycles, scooters, trailers, doors, windows

## 11. WARRANTY AND SUPPORT

Mengshen offers a **12-month hassle-free warranty** for this product. If you encounter any issues during use, please do not hesitate to contact our customer service team. We are committed to providing prompt assistance and support.

For additional remote controls, please search for "B07THJWNHR" on Amazon.

For further assistance, please visit the official Mengshen store on Amazon: [Mengshen Store](#)