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AEOTEC ZW164

Aeotec Siren 6 Z-Wave Plus S2 Security Alarm User Manual

Model: ZW164

1. INTRODUCTION

The Aeotec Siren 6 is a Z-Wave Plus S2 enabled smart home indoor siren designed to enhance your home security system. It functions as a security alarm, safety speaker, and can integrate with various Z-Wave compatible devices such as smoke and CO sensors. This device features a powerful 110dB speaker and a bright 1,000 lumens visual light alert strobe. It also includes a 4-hour backup battery to ensure continued operation during power outages.

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your Aeotec Siren 6.

2. SAFETY INFORMATION

- Read all instructions carefully before installation and use.
- Do not expose the device to moisture or extreme temperatures.
- Ensure the power supply is disconnected before performing any maintenance or installation.
- This device is for indoor use only.
- Do not attempt to disassemble or repair the device yourself. Refer all servicing to qualified personnel.
- The siren produces loud sounds (up to 110dB). Avoid prolonged exposure to prevent hearing damage.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- Aeotec Siren 6 Unit (Model ZW164)
- Power Adapter
- Mounting Plate
- Screws and Wall Anchors

- User Manual (this document)

4. SETUP AND INSTALLATION

4.1 Physical Installation

1. **Choose a Location:** Select a central location within your home where the siren can be heard clearly and is within range of your Z-Wave gateway. The device is designed for wall mounting.
2. **Mounting the Plate:** Use the provided screws and wall anchors to securely attach the mounting plate to the wall. Ensure the plate is level.
3. **Connect Power:** Plug the power adapter into the Siren 6 unit and then into a standard wall outlet. The device will power on.
4. **Attach Siren to Plate:** Align the Siren 6 unit with the mounting plate and twist it clockwise to lock it into place.

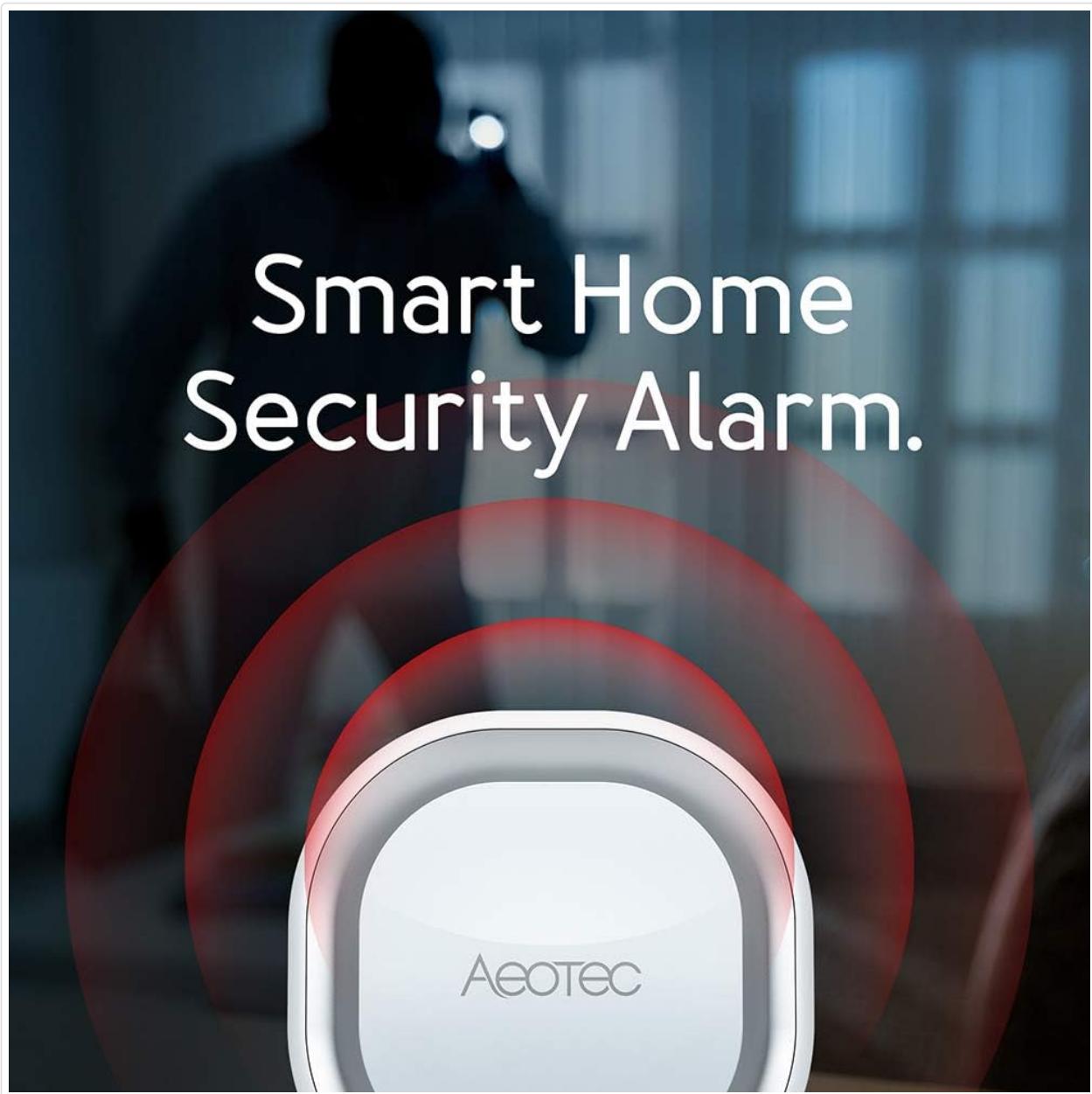


Figure 1: Aeotec Siren 6 unit and mounting plate for wall installation.

4.2 Z-Wave Inclusion (Pairing)

To integrate the Siren 6 into your Z-Wave network, follow these steps:

1. **Activate Inclusion Mode on Gateway:** Put your Z-Wave gateway/hub into inclusion (pairing) mode. Refer to your gateway's manual for specific instructions.
2. **Initiate Pairing on Siren 6:** Press the Action Button on the back of the Siren 6 once. The LED indicator will flash rapidly to confirm it is attempting to pair.
3. **Confirmation:** Once successfully paired, the LED on the Siren 6 will turn solid for a few seconds and then turn off. Your Z-Wave gateway should also confirm the successful addition of the device.
4. **Testing:** After inclusion, test the siren's functionality through your Z-Wave controller to ensure it responds correctly.



Figure 2: The Aeotec Siren 6 utilizes Z-Wave wireless technology for smart home integration.

Note: The Siren 6 is compatible with certified Z-Wave gateways including Samsung SmartThings, HomeSeer, Open Z-Wave, and Zipabox. It is not compatible with Vera systems.

4.3 Z-Wave Exclusion (Unpairing)

To remove the Siren 6 from your Z-Wave network:

1. **Activate Exclusion Mode on Gateway:** Put your Z-Wave gateway/hub into exclusion (unpairing) mode.
2. **Initiate Unpairing on Siren 6:** Press the Action Button on the back of the Siren 6 once. The LED

indicator will flash rapidly.

3. **Confirmation:** The LED will turn solid and then off, and your Z-Wave gateway should confirm the device has been removed.

4.4 Factory Reset

If you need to reset the Siren 6 to its factory default settings, follow these steps:

1. Press and hold the Action Button on the back of the Siren 6 for 20 seconds.
2. The LED will flash rapidly, then turn solid, and finally turn off. Release the button.
3. The Siren 6 is now reset to factory defaults and removed from any Z-Wave network.

Warning: A factory reset will remove the Siren 6 from your Z-Wave network and restore all configuration settings to their default values.

5. OPERATING INSTRUCTIONS

5.1 Siren and Strobe Operation

The Siren 6 can be activated via your Z-Wave gateway to emit sound and light alerts. It features:

- **Sound Alerts:** Pre-loaded with 6 security sounds, 8 safety sounds, and a total of 30 tones. Each tone's volume is adjustable between 80dB and 110dB through your Z-Wave controller's settings.
- **Visual Alerts:** A 1,000 lumens strobe light provides a visual warning.

You can configure your Z-Wave scenes and automations to trigger specific sounds and light patterns based on events from other sensors (e.g., smoke detectors, door/window sensors, motion sensors).

5.2 Backup Battery Functionality

The Siren 6 includes a built-in Lithium Ion backup battery, providing up to 4 hours of operation in case of a power outage. This ensures your security system remains active even if the main power supply is interrupted.



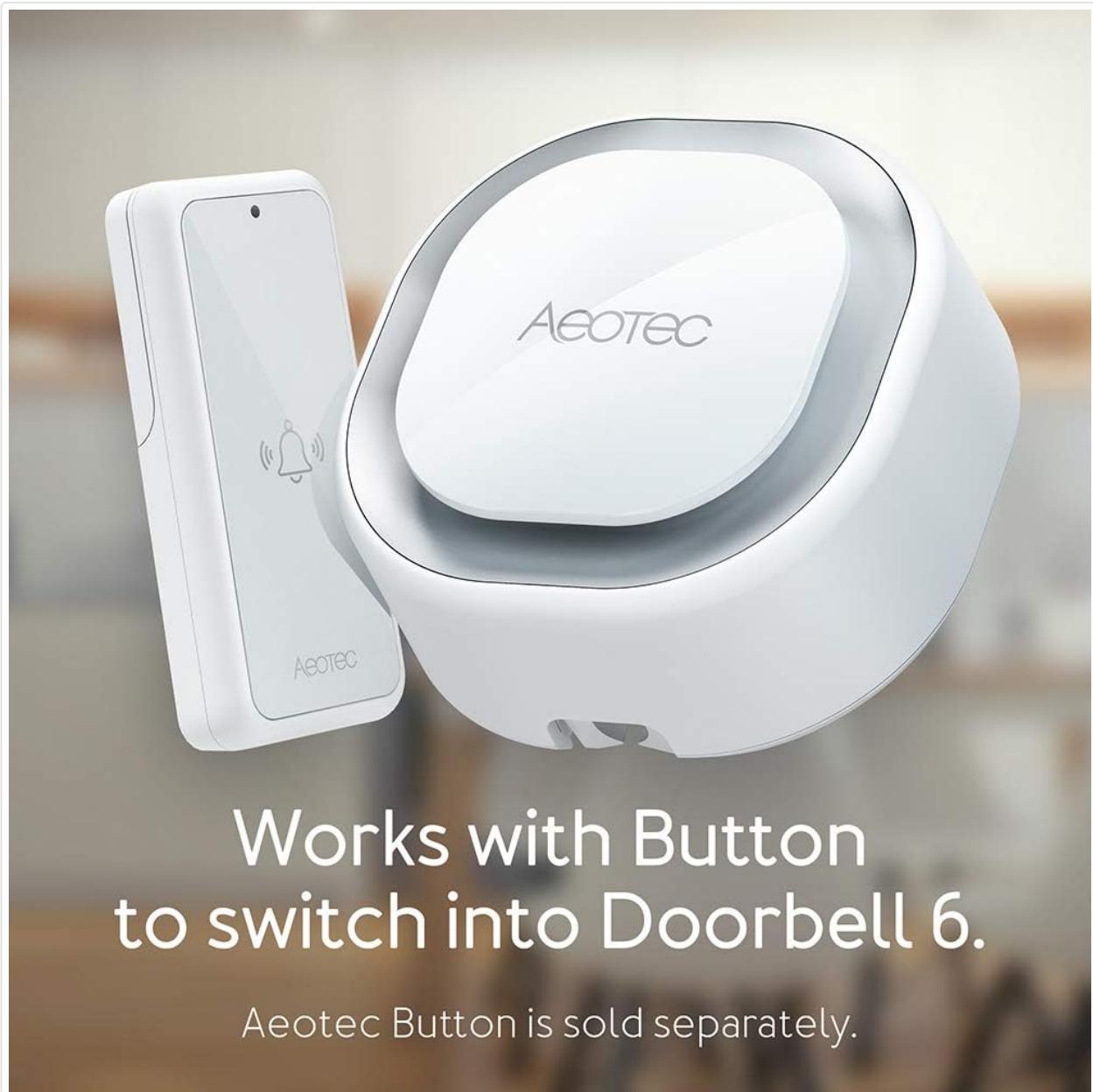
Keep guarding your home
with back up battery.

Figure 3: The Siren 6 features a backup battery for continuous operation during power interruptions.

5.3 Doorbell Function (with Aeotec Button)

The Siren 6 can also function as a doorbell when paired with an Aeotec Button (sold separately). Up to three Aeotec Buttons can be paired directly with the Siren 6 without requiring complex Z-Wave automation. Each button can trigger a different chime sound.

1. **Pairing Aeotec Button:** Follow the instructions provided with your Aeotec Button to pair it with the Siren 6.
2. **Customizing Chimes:** Use your Z-Wave gateway to assign specific chime sounds to each paired Aeotec Button.



**Works with Button
to switch into Doorbell 6.**

Aeotec Button is sold separately.

Figure 4: The Siren 6 can be used as a doorbell when paired with an Aeotec Button (sold separately).

5.4 Tamper Alarm

The Siren 6 is equipped with a vibration sensor that can detect if the device is being tampered with or removed from its mounting location. This can trigger a specific tamper alarm sound and alert your Z-Wave system.

6. MAINTENANCE

6.1 Cleaning

To clean the Siren 6, gently wipe the exterior with a soft, dry cloth. Do not use abrasive cleaners, solvents, or wet cloths, as these can damage the device.

6.2 Battery Care

The internal Lithium Ion backup battery is designed for long-term use. If the device is consistently powered, the battery will remain charged. In the event of a power outage, the battery provides temporary power. There is no user-replaceable battery compartment. If the battery performance significantly degrades over time, contact Aeotec support.

6.3 Firmware Updates

The Aeotec Siren 6 supports Over-The-Air (OTA) firmware updates. Your Z-Wave gateway may automatically detect and prompt for available updates. For manual updates or more information, refer to the official Aeotec support resources:

[Aeotec Firmware Update Guide](#)

7. TROUBLESHOOTING

7.1 Device Not Pairing with Z-Wave Gateway

- Ensure your Z-Wave gateway is in inclusion mode.
- Make sure the Siren 6 is powered on.
- Try performing a factory reset on the Siren 6 (see Section 4.4) before attempting to pair again.
- Move the Siren 6 closer to your Z-Wave gateway during the pairing process.
- Verify your gateway is compatible with Z-Wave Plus S2 devices.

7.2 Siren 6 is Unresponsive or "Locked Up"

If the device becomes unresponsive to commands from your Z-Wave controller:

- **Power Cycle:** Disconnect the power adapter from the wall outlet and from the Siren 6. Wait for approximately 30 seconds, then reconnect the power. This will force a restart.
- **Battery Depletion (if power cycle fails):** If the device remains unresponsive after a power cycle, it might be in a state where the internal battery needs to fully deplete before it can reset. This can take several hours.
- **Factory Reset:** As a last resort, perform a factory reset (see Section 4.4).

7.3 Siren Volume is Too Low or Not Changing

- Check the volume settings within your Z-Wave gateway's device configuration for the Siren 6. Ensure it is set to the desired level (80dB to 110dB).
- Some Z-Wave controllers may have specific parameters for volume control. Consult your gateway's documentation.

7.4 Accidental Tamper Alarm

If the tamper alarm triggers unexpectedly, check the mounting of the Siren 6. Ensure it is securely attached to the wall and not subject to vibrations or accidental movement.

8. SPECIFICATIONS

Feature	Detail
Model Number	ZW164
Brand	AEOTEC
Z-Wave Technology	Z-Wave Plus S2
Power Source	Battery Powered (with AC adapter)

Feature	Detail
Battery Type	1 Lithium Ion (included)
Battery Voltage	3.7 Volts
Backup Battery Life	Up to 4 hours
Noise Level	80 - 110 Decibels
Light Output	1,000 Lumens (strobe)
Control Method	App (via Z-Wave gateway)
Mounting Type	Wall Mount
Maximum Range	Up to 490 feet (open space)
Sensor Technology	Vibration Sensor (Tamper)
Item Weight	9.1 ounces
Package Dimensions	6.54 x 4.17 x 2.24 inches
UPC	810667024154

9. WARRANTY INFORMATION

The Aeotec Siren 6 (Model ZW164) comes with a **1-Year Limited Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

The warranty does not cover damage caused by misuse, accident, unauthorized modification, or external causes such as power surges. For full warranty terms and conditions, please refer to the official Aeotec website or contact their customer support.

10. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or further information regarding your Aeotec Siren 6, please visit the official Aeotec support portal:

[Aeotec Support Home Page](#)

You may also find helpful resources, FAQs, and community forums on their website.