HEIMAN 2SA-633

HEIMAN Smoke Detector Model 2SA User Manual

For Models: 2SA-633, HM2SA-2W-T

1. INTRODUCTION

This user manual provides essential information for the proper installation, operation, and maintenance of your HEIMAN Smoke Detector Model 2SA. Please read this manual thoroughly before installation and keep it for future reference. This device is designed to detect smoke and alert occupants to potential fire hazards, contributing to the safety of your home.

Key Features:

- **Connectivity:** This smoke detector can be connected to other compatible HEIMAN devices, ensuring all detectors sound an alarm when smoke is detected by any unit.
- **Easy Installation:** Designed for quick and tool-free ceiling mounting.
- **Reliable Sensor:** Features a highly sensitive photoelectric sensor capable of detecting even small smoke particles.
- **Long-lasting Battery:** Equipped with a 10-year battery, minimizing maintenance.
- **Mute Function:** Allows temporary silencing of the alarm, useful for non-emergency situations like cooking.

2. SAFETY INFORMATION

General Safety Guidelines

- **Warning:** The battery in this device is not replaceable. The unit is designed for a 10-year lifespan, after which it should be replaced.
- **Warning:** Constant exposure to high or low temperatures may reduce battery life and affect device performance.
- Do not paint the smoke detector. Paint can clog the smoke sensing chambers and prevent the unit from operating correctly.
- Do not attempt to disassemble or repair the unit yourself. Refer all servicing to qualified personnel.
- Test the smoke detector regularly as described in the 'Operating' section.

Recommended Placement

For maximum safety, it is recommended to place a networked smoke detector in every room, hallway, and on

every floor of your home. Specific locations include:

- Inside each bedroom.
- Outside each sleeping area.
- On every level of a home, including the basement.
- In living rooms, dining rooms, and other common areas.

Avoid placing detectors near cooking appliances, bathrooms with showers, heating vents, or in areas with high humidity or dust, which can cause false alarms.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- HEIMAN Smoke Detector (quantity as purchased)
- Adhesive mounting pad
- Screw kits (screws and wall plugs)
- User Manual

Image: HEIMAN Smoke Detector packaging with one detector, screws, and user manual.

4. PRODUCT OVERVIEW

Component Identification

Image: Diagram of HEIMAN Smoke Detector components: Buzzer, Power/Test/Mute Button, LED Indicator, Smoke Entrance, and 10-year Lithium Battery.

- **Buzzer:** Emits the alarm sound.
- **Power/Test/Mute Button:** Used to test the alarm and temporarily silence it.
- **LED Indicator:** Provides visual status of the detector.
- **Smoke Entrance:** Area where smoke enters the sensing chamber.
- **Battery:** Internal 1x CR123A/CR1733A Lithium Battery with a 10-year lifespan.

Dimensions

The HEIMAN Smoke Detector has compact dimensions for discreet placement.

Image: Dimensions of the HEIMAN Smoke Detector: 86mm (3.385 inches) diameter and 26mm (1.024 inches) height.

- **Diameter:** 86 mm (3.385 inches)
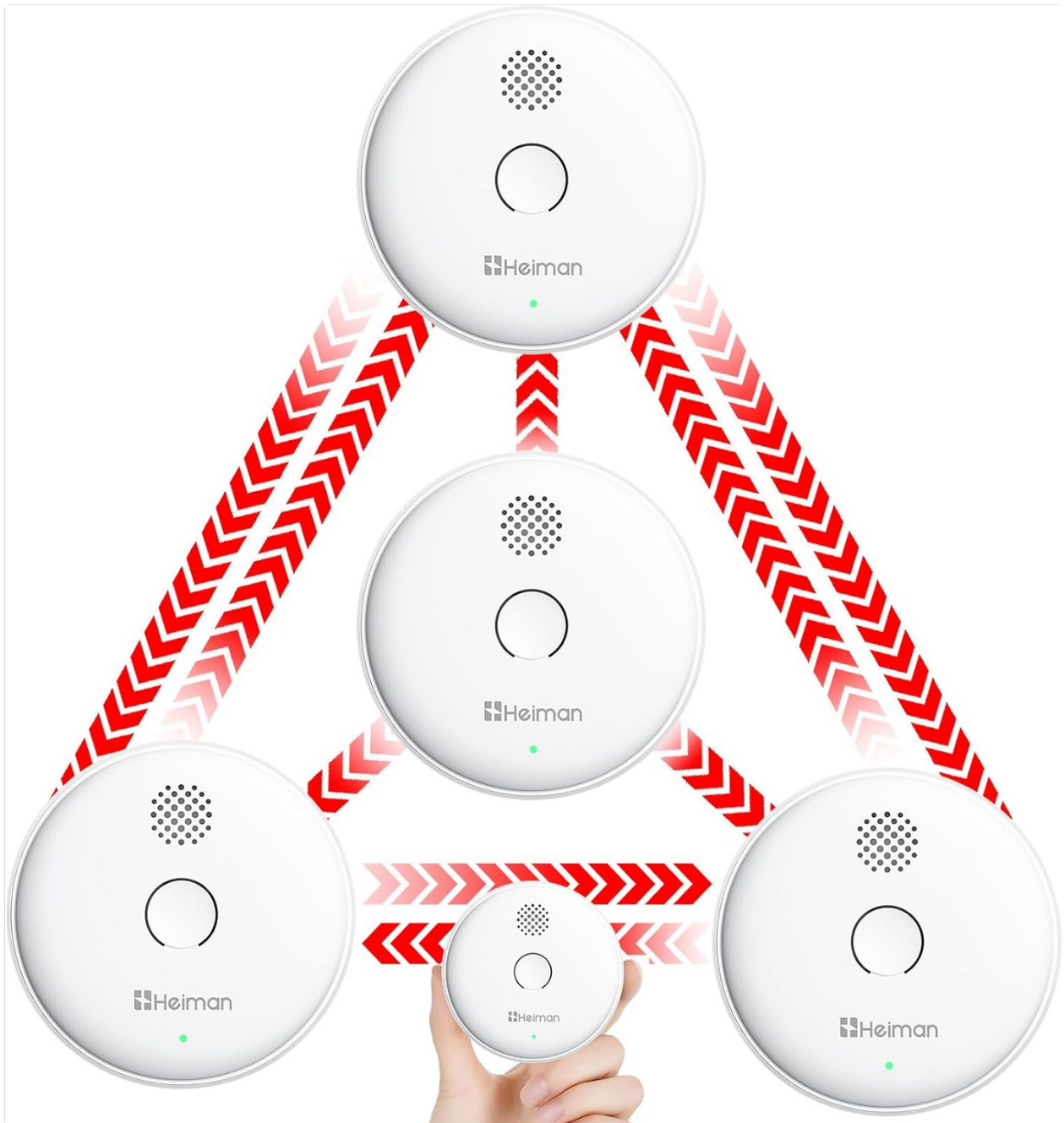- **Height:** 26 mm (1.024 inches)

5. SETUP

Installation

The smoke detector is designed for easy ceiling mounting. Choose a location according to the 'Recommended Placement' guidelines in the Safety Information section.

1. Select a suitable mounting location on the ceiling, away from corners and obstructions.
2. Use the provided adhesive pad for quick installation on a clean, dry, flat surface. Alternatively, use the screw kit for a more permanent fixture by drilling holes, inserting wall plugs, and screwing the mounting bracket into place.
3. Attach the smoke detector to the mounting bracket or adhesive pad by twisting it clockwise until it clicks into place.
4. Once installed, the detector will automatically power on. The LED indicator will flash to confirm activation.

Interconnection (Network Setup)

The HEIMAN Smoke Detector Model 2SA supports wireless interconnection with up to 40 compatible alarms. When one detector senses smoke, all interconnected detectors will sound an alarm, providing early warning throughout your property.
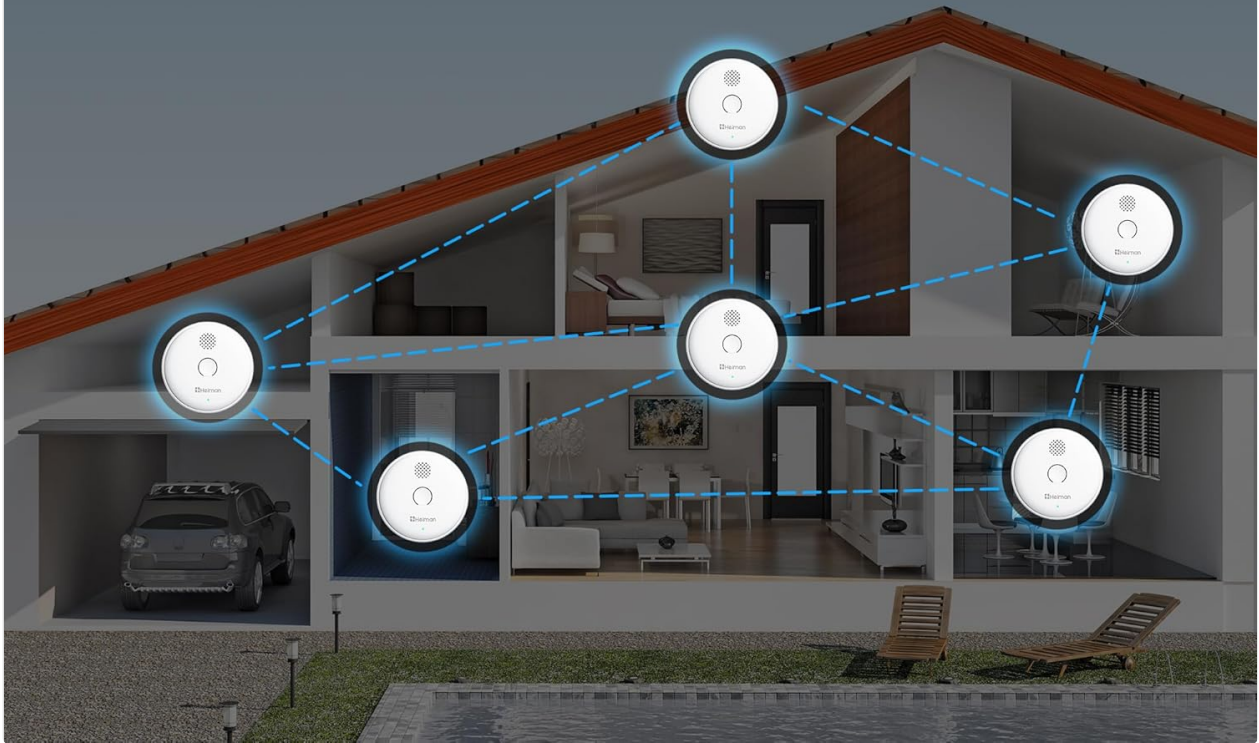

Image: HEIMAN Smoke Detectors interconnected, showing wireless communication.
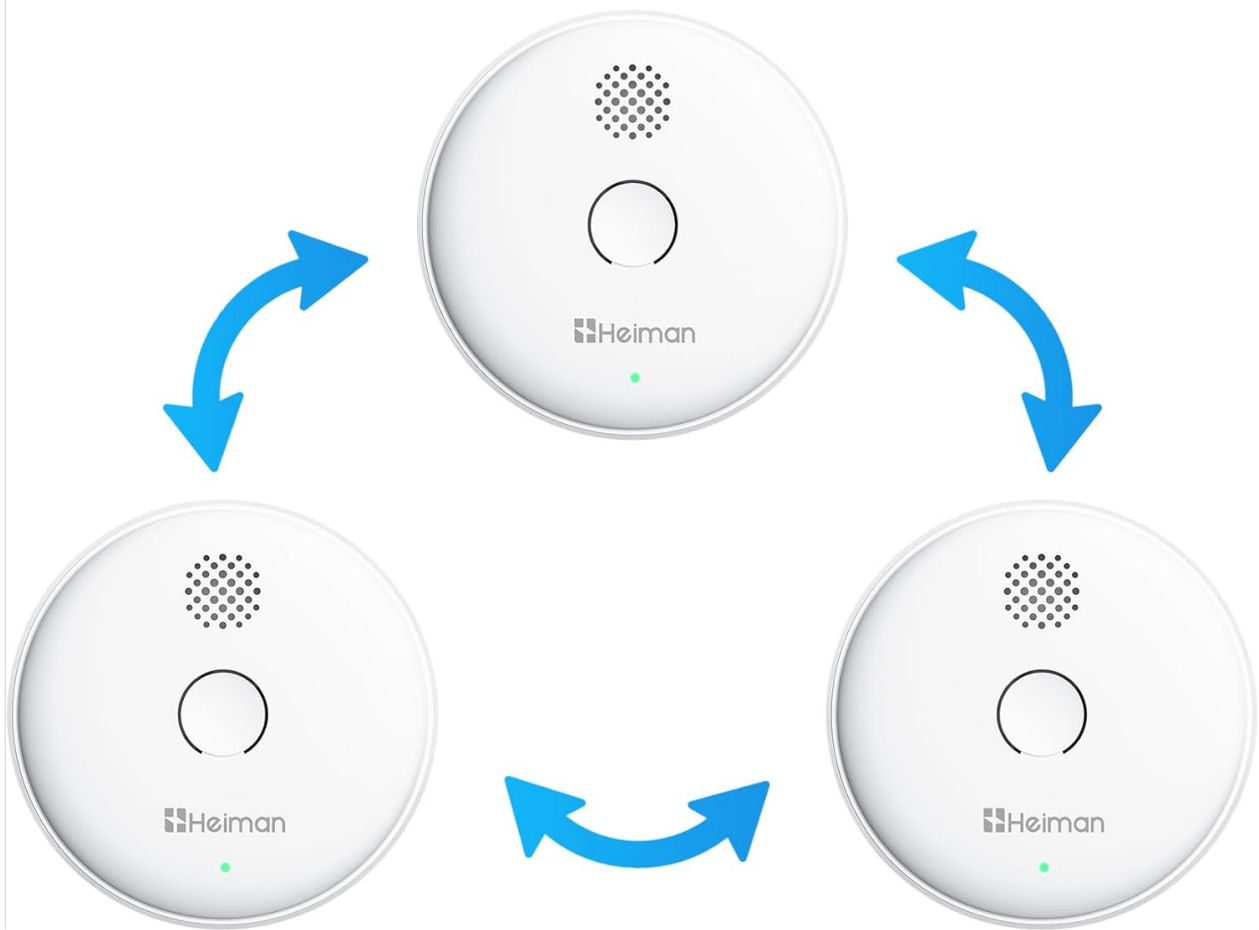
Rauchmelder funkvernetzt

Wenn ein Rauchmelder auslöst,
werdenalle anderen alarmiert

CE   EN 14604

Image: Illustration of multiple HEIMAN Smoke Detectors wirelessly interconnected within a house layout, indicating comprehensive coverage.

INTERCONNECTED UP TO 40 WIRELESS ALARMS

Image: Graphic showing three HEIMAN Smoke Detectors interconnected, highlighting the ability to link up to 40 wireless alarms.

To interconnect multiple detectors, follow the specific pairing instructions provided with your HEIMAN interconnected system. Generally, this involves activating a pairing mode on one detector (master) and then on subsequent detectors (slaves) within a specified timeframe. Refer to the detailed interconnection guide if available with your multi-pack purchase.

6. OPERATING

Powering On

The detector automatically powers on once correctly installed on its mounting base. The internal 10-year lithium battery is pre-installed and designed to last the lifetime of the unit.

Testing the Detector

Test your smoke detector weekly to ensure it is functioning correctly.

1. Press and hold the Power/Test/Mute button on the detector for a few seconds.
2. The detector will emit a loud alarm sound and the LED indicator will flash rapidly.
3. Release the button. The alarm should stop.
4. If the alarm does not sound, refer to the 'Troubleshooting' section.

Mute Function

The mute function allows you to temporarily silence the alarm for approximately 10 minutes in non-emergency situations, such as cooking fumes. To activate the mute function:

1. When the alarm is sounding due to a non-fire source, press the Power/Test/Mute button.
2. The alarm will silence, and the LED indicator will flash periodically to indicate it is in mute mode.
3. After approximately 10 minutes, the detector will automatically reset to normal operation. If smoke is still present, the alarm will sound again.

Alarm Indication

- **Normal Operation:** The LED indicator flashes briefly every 40-60 seconds.
- **Alarm Condition:** The buzzer emits a loud, continuous alarm sound (85 dB) and the LED indicator flashes rapidly.
- **Low Battery Warning:** The detector will chirp periodically (e.g., every 40-60 seconds) and the LED will flash, indicating the end of its 10-year lifespan. The entire unit must be replaced.

7. MAINTENANCE

Regular Checks

- **Monthly Test:** Test your smoke detector at least once a month using the test button.
- **Visual Inspection:** Periodically check the detector for any visible damage or obstructions.

Cleaning

Clean your smoke detector at least once a year to remove dust and debris that could interfere with its operation.

1. Gently vacuum the exterior of the detector using a soft brush attachment.
2. Wipe the cover with a slightly damp cloth. Do not use cleaning solvents or harsh chemicals.
3. Ensure no moisture enters the smoke sensing chamber.

Battery Replacement

The HEIMAN Smoke Detector Model 2SA features a sealed, non-replaceable 10-year lithium battery. When the low battery warning sounds (periodic chirping), the entire unit has reached the end of its operational life and must be replaced immediately.

8. TROUBLESHOOTING

If you encounter issues with your smoke detector, refer to the following common problems and solutions:

- **False Alarms:**
  - **Cause:** Steam from a shower, cooking fumes, excessive dust, or insects.
  - **Solution:** Use the mute function. Relocate the detector if it's consistently exposed to non-smoke sources. Clean the detector as per the 'Maintenance' section.

- **No Alarm During Test:**
  - **Cause:** Detector not properly activated or at the end of its life.
  - **Solution:** Ensure the detector is correctly twisted onto its mounting base. If the unit is older than 10 years or giving a low battery chirp, replace the entire unit.

- **Interconnection Issues:**

  - **Cause:** Detectors are out of range or not properly paired.
  - **Solution:** Ensure all interconnected detectors are within the specified wireless range. Refer to the specific pairing instructions for your HEIMAN interconnected system to re-pair units if necessary.

- **Periodic Chirping (not during alarm):**

  - **Cause:** Low battery warning, indicating the end of the unit's 10-year lifespan.
  - **Solution:** Replace the entire smoke detector unit immediately.

9. SPECIFICATIONS

Technical details for the HEIMAN Smoke Detector Model 2SA:

Image: Back of HEIMAN Smoke Detector showing model number, power, frequency, maximum interconnectable quantity, and certifications.

Feature	Detail
Model Numbers	2SA-633, HM2SA-2W-T

Feature	Detail
Power Source	3V (1x CR123A/CR1733A Lithium Battery, non-replaceable)
Battery Life	Up to 10 years
Alarm Sound Level	85 dB
Wireless Frequency	868MHz
Max. Interconnectable Units	40 units
Product Dimensions	8.5 x 8.5 x 2.6 cm (3.385 x 3.385 x 1.024 inches)
Item Weight	200 g
Operating Humidity	≤95%
Upper Temperature Rating	55 Degrees Celsius
Material	ABS plastic
Certifications	EN14604: 2005/AC: 2008, DBI, CE
Barcode/Serial	01012460070000023

10. WARRANTY AND SUPPORT
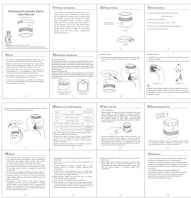
Warranty Information

The HEIMAN Smoke Detector Model 2SA is designed with a 10-year sealed battery, indicating the expected operational lifespan of the unit. This design ensures reliable performance for a decade without battery replacement. Please retain your proof of purchase for any warranty claims.

Customer Support

For further assistance, technical support, or inquiries regarding your HEIMAN Smoke Detector, please contact HEIMAN customer service through their official website or the retailer where the product was purchased. Provide your model number (2SA-633 or HM2SA-2W-T) and any relevant details when seeking support.

Related Documents - 2SA-633

[Heiman Photoelectric Smoke Alarm User Manual: Installation, Operation, and Specifications](#)
User manual for Heiman photoelectric smoke alarms, including models WS2SA-1, HS2SA-1, HM2SA-1W, WS2SA-5, HS2SA-5, and HM2SA-5W. This document provides essential information on installation, operation, technical specifications, maintenance, and alarm indications to ensure effective fire safety in homes.

	[Nova-Tech Nova Pal Portable Direction Finder Manual](#) User manual and technical specifications for the Nova-Tech Nova Pal, a portable transistorized radio direction finder for aviation, marine, and general use. Learn about its features, operation, and electrical specifications.
	[Heiman Photoelectric Smoke Alarm Device HM-633PHW, HM-635PHW User Manual](#) User manual for the Heiman Photoelectric Smoke Alarm Device, models HM-633PHW and HM-635PHW. This document provides instructions on installation, operation, maintenance, and troubleshooting for the smart photoelectric smoke alarm with RF transceiver capabilities.
	[Photoelectric Smoke Alarm User Manual M419-9Ever1.2 - Heiman](#) User manual for the Heiman M419-9Ever1.2 photoelectric smoke alarm. Learn about product features, technical specifications, installation, troubleshooting, and maintenance for optimal fire safety.
	[Mintie ECU DE-2Sa Disposable Envelope Instruction Manual](#) Comprehensive instruction manual for the Mintie ECU DE-2Sa Disposable Envelope, covering setup, operation, and disposal procedures for environmental containment.
	[FBT Horizon VHA 118SND/118SN/118.2SA/118S Processed Active Subwoofer Operating Manual](#) This manual provides comprehensive operating instructions and technical specifications for the FBT Horizon series of processed active subwoofers, including models VHA 118SND, VHA 118SN, VHA 118.2SA, and VHA 118S. It covers features, connections, installation, presets, and network control via the INFINITO System Management Suite.