

SECAIR SK50

SECAIR SK50 Smoke Detector User Manual

Model: SK50

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your SECAIR SK50 smoke detector. Please read these instructions carefully before installation and retain them for future reference. This device is designed to provide an early warning of fire by detecting smoke particles.

2. IMPORTANT SAFETY INFORMATION

- Do not paint the smoke detector. Paint can clog the sensing chambers and prevent the alarm from operating correctly.
- Test the smoke detector weekly to ensure proper operation.
- Never disconnect the battery to silence an alarm. Find the cause of the alarm and resolve it.
- Replace the battery immediately when the low battery warning sounds.
- Ensure the detector is installed in accordance with local building codes and regulations.
- This smoke detector is designed for residential use.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x SECAIR SK50 Smoke Detector
- 1 x 9V Replaceable Battery
- Mounting Screws and Anchors
- Adhesive Pads (optional mounting method)
- User Manual (this document)

4. SETUP AND INSTALLATION

Proper placement and installation are crucial for the effective operation of your smoke detector.

4.1 Recommended Placement

Install smoke detectors in all sleeping areas and on every level of your home, including the basement. For optimal protection, install a smoke detector in each room where electrical appliances are regularly used or where people sleep. The SECAIR SK50 offers a detection coverage of 20-40 m².

Bedroom



Living room



Hallway



Children's room



85 dB

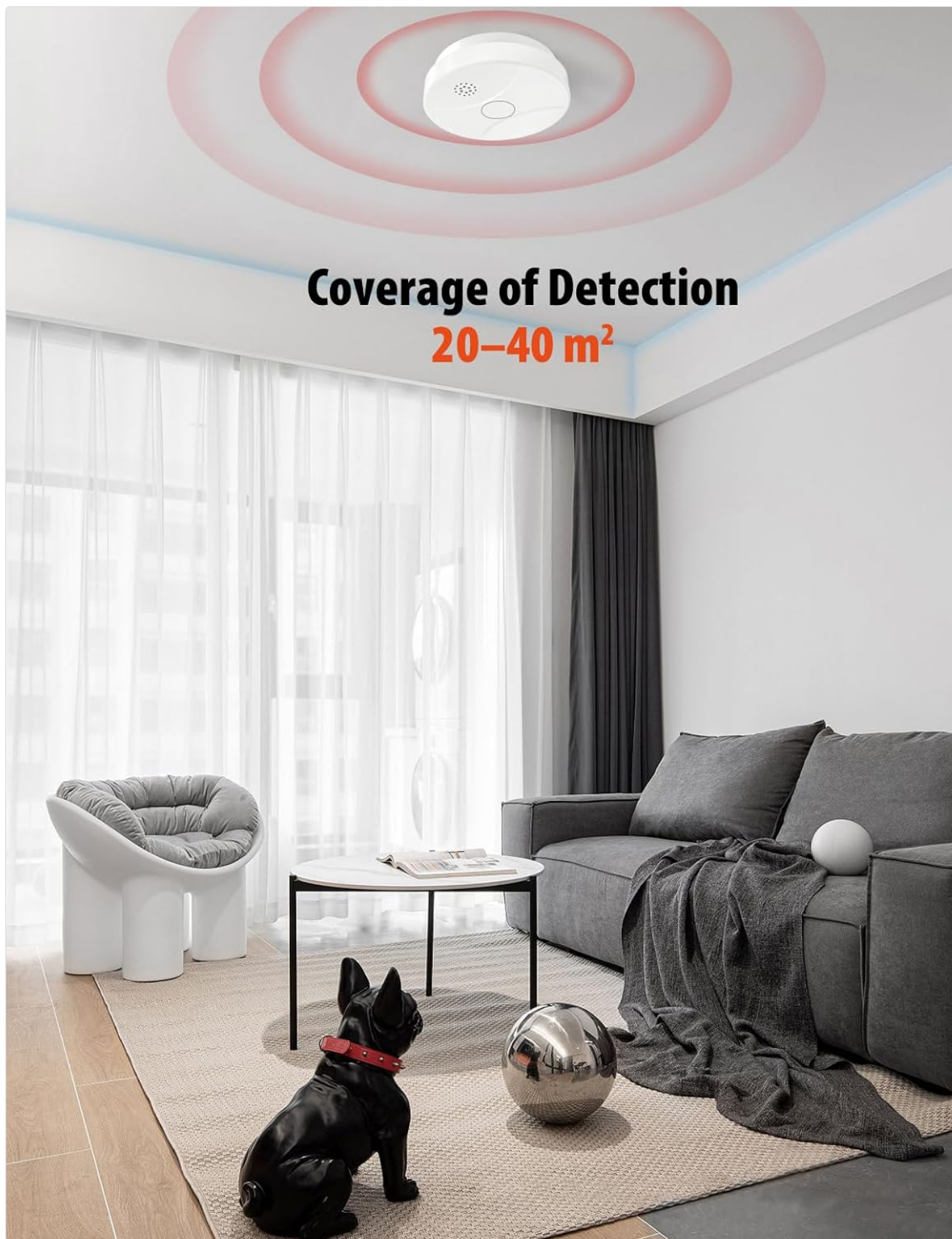


**low battery
warning**



**1-year battery
life**

Image: Examples of ideal smoke detector placement in various rooms such as bedrooms, living rooms, hallways, and children's rooms.



Coverage of Detection

20–40 m²

Image: An illustration showing the smoke detector's effective coverage area of 20-40 square meters in a living room setting.

4.2 Installation Methods

The SECAIR SK50 smoke detector can be installed using two methods: screws and anchors, or adhesive pads.



Image: A visual guide illustrating the two installation methods: using screws and anchors, or using adhesive pads.

Method 1: Screw and Anchors

1. Choose a suitable mounting location on the ceiling or wall, away from corners and air vents.
2. Mark the two drill holes using the mounting bracket as a template.
3. Drill two holes and insert the plastic anchors.

4. Attach the mounting bracket to the ceiling/wall using the provided screws.
5. Insert the 9V battery into the smoke detector, ensuring correct polarity.
6. Align the detector with the mounting bracket and twist clockwise until it locks securely into place.

Method 2: Adhesive Pads

1. Ensure the mounting surface is clean, dry, and smooth.
2. Peel the protective film from one side of the adhesive pad and attach it firmly to the back of the smoke detector.
3. Peel the protective film from the other side of the adhesive pad.
4. Press the smoke detector firmly onto the desired ceiling or wall location for at least 30 seconds.
5. Insert the 9V battery into the smoke detector, ensuring correct polarity.

10 Year sensor life

replaceable 9V battery



Image: A man installing the smoke detector on a ceiling using a screwdriver, demonstrating the screw installation method.

4.3 Battery Installation

The SECAIR SK50 uses a replaceable 9V battery. The battery compartment is located on the back of the unit. Ensure the battery is inserted with the correct polarity (+/-) as indicated inside the compartment. The battery provides approximately 1 year of power.

10 Year sensor life replaceable 9V battery



Image: A close-up view of the smoke detector with its 9V battery compartment open, showing the 9V battery and indicating a 1-year battery life and 10-year sensor life.

5. OPERATING INSTRUCTIONS

5.1 Initial Power-Up

Once the battery is correctly installed, the smoke detector will emit a short beep and the LED indicator will flash once, indicating it is powered on and performing a self-test.

5.2 Normal Operation

During normal operation, the LED indicator will flash approximately once every 40-60 seconds to confirm that the unit is functioning correctly.

5.3 Testing the Smoke Detector

Test your smoke detector weekly to ensure it is working properly. Press and hold the 'TEST' button located on the front of the unit for a few seconds. The alarm will sound a loud, pulsating signal (85dB), and the LED will flash rapidly. Release the button to stop the alarm. If the alarm does not sound, refer to the Troubleshooting section.

Small and sensitive



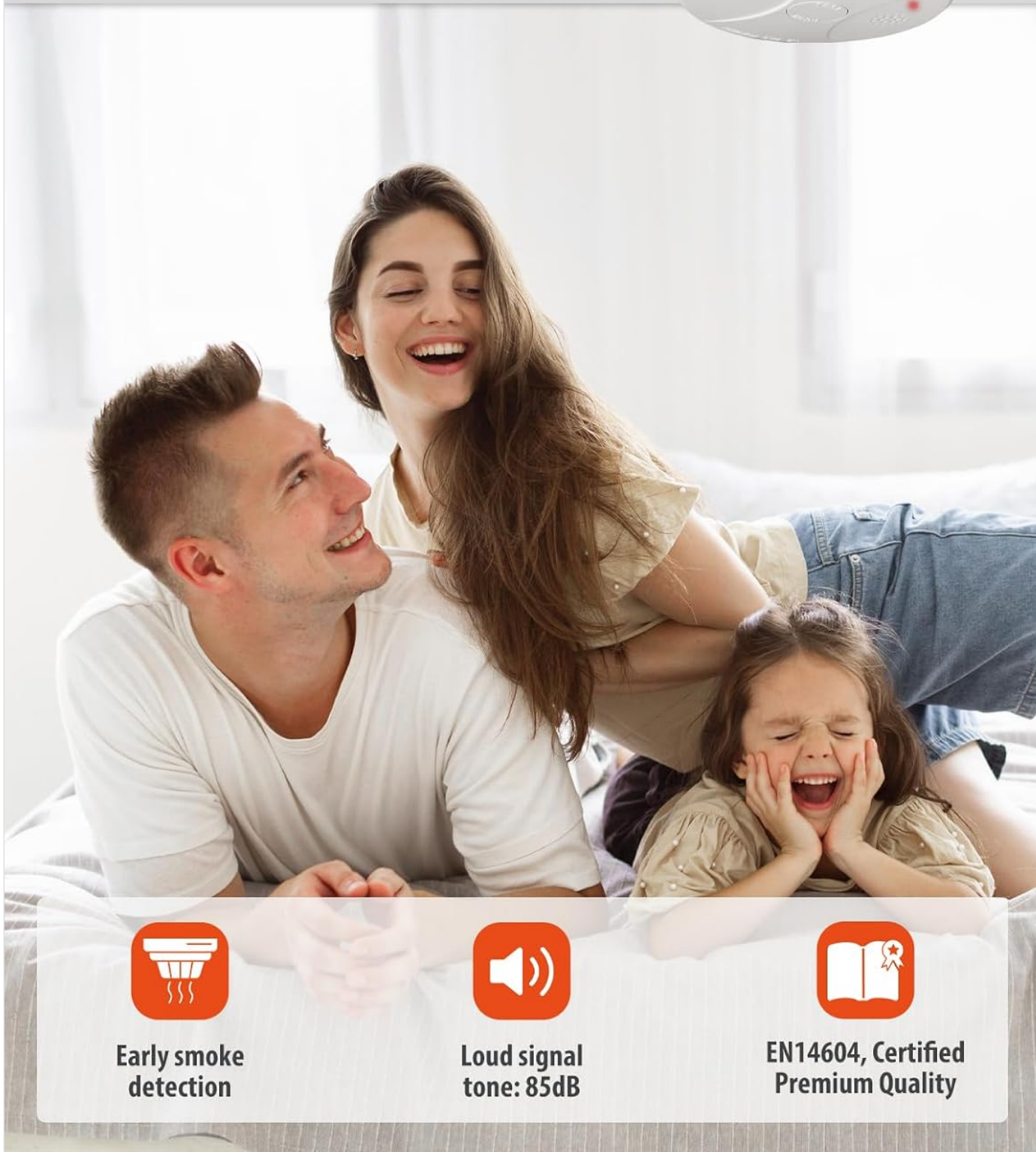
Image: A close-up of the SECAIR SK50 smoke detector, highlighting its compact size and the visible 'TEST' button on its surface.

5.4 Alarm Indication

When smoke is detected, the alarm will sound a loud (85dB) continuous pulsating signal, and the LED indicator will flash rapidly. This indicates a potential fire hazard. Evacuate the premises immediately and call emergency services.

Alarm on, Fear gone

Security for the whole family



**Early smoke
detection**



**Loud signal
tone: 85dB**



**EN14604, Certified
Premium Quality**

Image: A family in a home setting with the smoke detector visible on the ceiling, emphasizing early smoke detection, an 85dB loud signal, and EN14604 certification.

6. MAINTENANCE

Regular maintenance ensures your smoke detector remains operational.

6.1 Battery Replacement

The smoke detector will emit a short chirp approximately every 40-60 seconds when the battery is low. This low battery warning indicates that the 9V battery needs to be replaced immediately. The battery typically lasts for 1 year.

1. Twist the detector counter-clockwise to remove it from the mounting bracket.
2. Open the battery compartment.
3. Remove the old 9V battery and dispose of it properly.
4. Insert a new 9V battery, ensuring correct polarity.
5. Close the battery compartment and reattach the detector to the mounting bracket by twisting clockwise.
6. Test the alarm after battery replacement.

6.2 Cleaning Your Smoke Detector

Dust and debris can accumulate on the smoke detector and affect its performance. Clean your smoke detector at least once a month.

1. Gently vacuum the exterior of the smoke detector using a soft brush attachment.
2. Wipe the exterior with a clean, damp cloth. Do not use cleaning solvents or chemicals.
3. Ensure no moisture enters the unit.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Alarm does not sound during test.	Dead or improperly installed battery.	Replace battery or ensure it is correctly installed.
Alarm sounds intermittently or chirps every 40-60 seconds.	Low battery warning.	Replace the 9V battery immediately.
False alarms.	Dust, insects, or steam/humidity near the detector.	Clean the detector. Relocate if frequently exposed to steam (e.g., near a bathroom).
Alarm sounds continuously without smoke.	Detector malfunction or excessive dust.	Clean the detector. If problem persists, replace the unit.

8. SPECIFICATIONS

- **Brand:** SECAIR
- **Model:** SK50
- **Power Source:** 1 x 9V Replaceable Battery (included)
- **Sensor Type:** Photoelectric
- **Sensor Life:** 10 Years
- **Alarm Loudness:** 85dB at 3 meters
- **Detection Coverage:** 20-40 m²
- **Dimensions:** Approximately 10 cm (Diameter) x 5 cm (Height)

- **Weight:** 80 grams
- **Operating Temperature:** 0°C to 40°C
- **Operating Humidity:** 10% to 95% RH (non-condensing)
- **Standard:** Conforms to EN 14604

9. WARRANTY INFORMATION

The SECAIR SK50 smoke detector comes with a standard manufacturer's warranty against defects in materials and workmanship. Please refer to the product packaging or contact customer support for specific warranty terms and duration. This warranty does not cover damage caused by misuse, accident, unauthorized modification, or improper installation.

10. CUSTOMER SUPPORT

If you have any questions, require assistance with installation, or need troubleshooting support, please contact SECAIR customer service. Contact details can typically be found on the product packaging or the official SECAIR website.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

