AROHA
ELECTRONICS

Aroha Home Smoke Detector Manual

Aroha SM1M

Dear customer,

Thank you for choosing Aroha, an European brand bringing safety in your home.

Scan the QR-code on the next pages for the step-by-step instructions to safely install your detector, see the installation video's and read the FAQ in your own language.
Please read the manual carefully before operating the detector and to ensure safe and proper use.

Feel free to contact us with your problems, concerns and suggestions on contact@aroha.nl.

Aroha

Postbus 135, 4900AC Oosterhout
The Netherlands

www.aroha.nl

contact@aroha.nl

Visit our **www.aroha.nl** to see
all smoke and carbon monoxide (CO) detectors
compatible with Matter over Thread.

Aroha Home Smoke Detector

matter

BUILT ON THREAD | REQUIRES BORDER ROUTER

&

Aroha Home Carbon Monoxide Detector

matter

BUILT ON THREAD | REQUIRES BORDER ROUTER

Aroha Home Rookmelder
Handleiding

Lees de handleiding aandachtig door voor veilig en correct gebruik en bewaar deze op een veilige plaats voor toekomstig gebruik. Scan de QR-code of ga naar www.aroha.nl/manual/sm1m voor de stapsgewijze instructies met video voor een veilige installatie van uw detector en raadpleeg de veelgestelde vragen (FAQ).

Aroha Home Rauchmelder
Benutzerhandbuch

Bitte lesen Sie die Bedienungsanleitung sorgfältig durch, um eine sichere und korrekte Verwendung zu gewährleisten, und bewahren Sie sie zum späteren Nachschlagen an einem sicheren Ort auf. Scannen Sie den QR-Code oder besuchen Sie www.aroha.nl/de/manual/sm1m für die Schritt-für-Schritt-Anleitung mit Video zur sicheren Installation Ihres Detektors und konsultieren Sie die FAQ.

Détecteur de fumée Aroha Home
Manuel

Lisez attentivement le manuel pour une utilisation sûre et correcte et conservez-le en lieu sûr pour toute consultation ultérieure. Scannez le code QR ou rendez-vous sur www.aroha.nl/fr/manual/sm1m pour obtenir des instructions étape par étape avec vidéo pour l'installation sécurisée de votre détecteur et consultez la foire aux questions (FAQ).

Rilevatore di fumo Aroha Home
Manuale utente

Leggete attentamente il manuale di istruzioni per garantire un utilizzo sicuro e corretto e conservatelo in un luogo sicuro per future consultazioni. Scansionate il codice QR o visitate il sito www.aroha.nl/it/manual/sm1m per istruzioni dettagliate con video sull'installazione sicura del rilevatore e consultate le FAQ.

Aroha Home Smoke Detector

User manual

Please read the manual carefully to ensure safe, proper use and store it in a safe place for future reference. Scan the QR-code or visit www.aroha.nl/en/manual/sm1m for the step-by-step instructions with video to safely install your detector and consult the FAQ.

A. Activate/Deactivate the detector

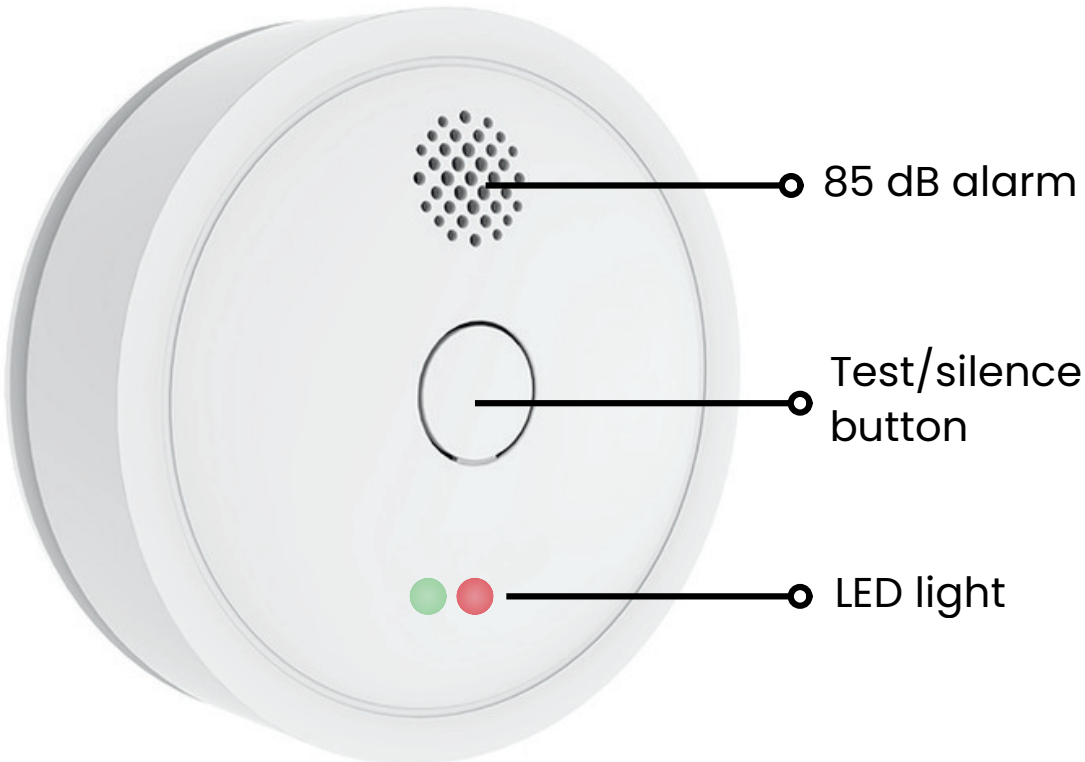
The detector is deactivated by default before leaving our factory. Before the detector can be used, it must be activated.

Power on: Unplug the battery insulation sheet or place the battery in the detector. The red LED lights up briefly, after which the detector is activated and can be used.

Power off: Remove the battery from the detector. It is deactivated and cannot be used.

CAUTION

- The installation instructions must be followed strictly to avoid unsafe conditions.
- Do not paint your detector.



B. Connection via Matter over Thread

Please make sure you have a Matter-compatible app, and a Matter-compatible Thread Border Router.

1. Activate the detector (see chapter A) or press test button 3 times. The green LED flashes quickly, indicating the detector has entered networking mode.
2. Open the Matter-compatible app and click the 'Add device' button. Then scan the Matter QR setup code on the side of the detector to add the device to the app.
3. If the connection is successful, the green LED will be on for 3 seconds. If the connection fails, the green LED will flash slowly about 3 seconds (twice/second).

Note: Pressing the test button again during networking mode will stop the networking process and the green LED will flash slowly for 3 seconds.

Wireless connection test

After the detector is added to the wireless network, press and hold the test button to test the wireless connection. When an alarm is activated, an alarm message will be transmitted to the app immediately. When there is no alarm, the detector will report battery power to app periodically.

CAUTION

Do not remove the Matter QR setup code from your detector.

- This Matter QR setup code is unique for your detector, and needed to make the connection via Matter over Thread.
- Without this unique Matter QR setup code you are not able to make a connection via Matter over Thread with your detector.
- This Matter QR setup code cannot be duplicated.
- Once removed, the warranty on the detector ends.

C. LED indicators

Mode	LED	Audible alarm/beep
Normal status:	Red, 1x every 53 seconds	
Alarm & Test status:	Red, 1x every second	1x every second
Low battery status:	Red, 1x every 53 seconds	1x every 53 seconds
Fault status:	Red, 2x every 53 seconds	
Silence mode:	Red, 1x every 10 seconds (for 10 minutes)	
Low battery muted:	Red, 1x every 53 seconds (for 12 hours)	

D. Test your alarm

In addition to certification according to NEN standards by TÜV, the detector has been tested in a specially designed room in the factory. You can **test the detector yourself by pressing and holding the test button**, after which the 85 dB alarm sounds. The alarm on the detector will sound, including a notification on your connected phone (see chapter B).

- If there is no sound from the tested detector, check whether the detector is properly attached to the mounting bracket.
- If there is no notification on your connected phone via the app, repeat the networking-process as described in chapter B.

CAUTION

- Do not test your detector using an open flame. This may damage the detector or ignite combustible materials and start a structural fire.
- Do not stand close to the detector when the alarm is sounding. Exposure at close range may be harmful to your ears.
- Test the detector at least once a week and upon returning from vacation.

E. Silence mode

Silence mode should only be used if the source of the alarm is known and safe. Press the test/mute button to set the silence mode. During silence mode, the red LED flashes once every 10 seconds. The detector is automatically reset after 10 minutes.

CAUTION

Before using the silence mode, identify the source of the smoke and be certain a safe condition exists.

F. Mount the detector

Determine correct mounting location:

- Check figure 3, 4 and 5 for correct mounting locations. Most EU countries require smoke detectors on all floors and escape routes.
- Smoke spreads horizontally after rising to the ceiling, so install the detector in middle of the ceiling.
- If the length of the room or the hall is beyond 10 meters, you need to install multiple alarms.
- Make sure your mounting locations are within reach the WiFi network.

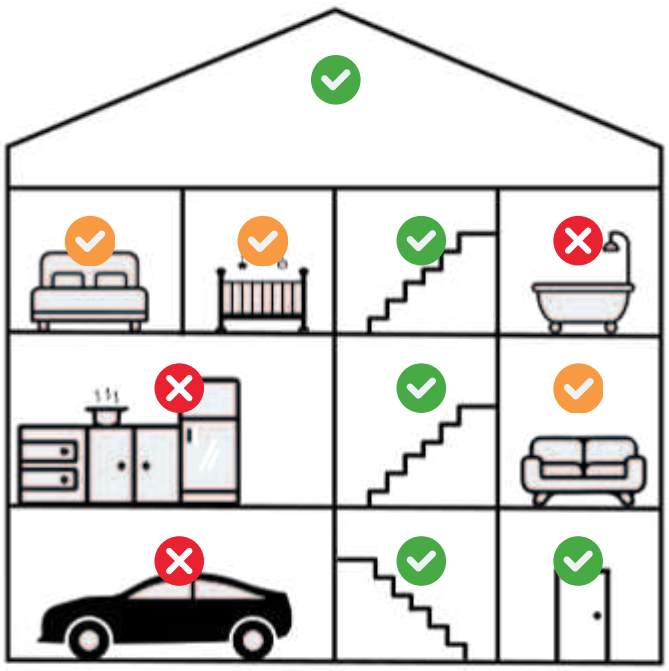


Figure 3: Recommended mounting locations

Do not mount detector on these locations:

- Areas with high-humidity (e.g. kitchens, bathrooms), insects, dust/dirt, easily polluted and high-temperature.
- Within 1.5 meters of lamps, next to air outlets (e.g. doors/windows), fans and central heating.

- In top of room with sloping roofs, in the corner of the room or other dead-air spaces.
- Places with difficult access, making it difficult to operate the test function.

Mounting instructions

1. Put the bracket on the mounting position and mark the 2 screw holes.
2. Drill two mounting holes, insert the two plastic anchor plugs, and screw the mounting bracket to the ceiling or the wall.
3. Attach the detector to the mounting bracket and rotate to lock the detector.

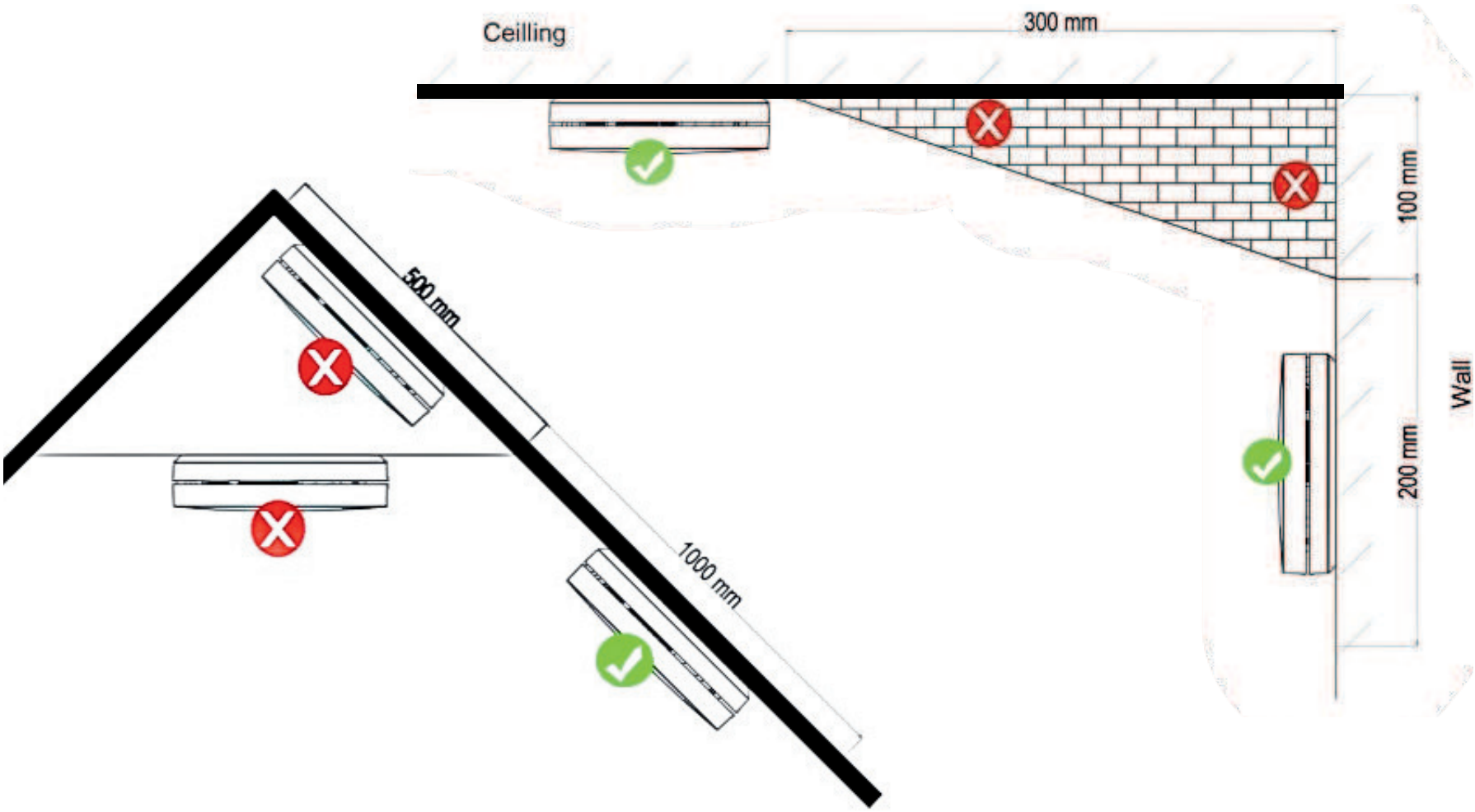


Figure 4 & 5: Recommended mounting locations

G. Maintenance and cleaning

There are a few steps you need do to keep it working properly:

- Never attempt to disassemble the detector to clean the inside. This will damage the detector and possibly render it unusable.
- **Clean the detector at least once a month** to remove dust, dirt or debris. Use a vacuum cleaner with a soft brush and vacuum all sides and covers of the detector. Test detector after cleaning.
- If the alarm becomes contaminated by excessive dirt, dust and/or grime, clean detector as instructed. If cannot be cleaned to avoid unwanted alarms, replace the detector immediately.
- **To replace the battery**, rotate the detector out of the mounting bracket and replace the CR123A battery. Once powered on, red LED will flash once. Press and hold the test button, if the smoke alarm issue alarm sounds three time, it indicates the alarm is working normally.

CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same (CR123A) or equivalent type.

H. Trouble shooting

- **The detector does not sound when testing:** Check whether the battery is installed; if the detector cannot be attached to the mounting bracket, the battery is not installed correctly.
- **The detector beeps every 53 seconds and red LED flashes:** The battery is low, and needs to be replaced. See chapter G for instructions.

- **The detector beeps twice every 53 seconds:** Clean the smoke detector, by using a vacuum cleaner with a soft brush and vacuum all sides and covers of the smoke detector. If the issue continues, the detector is malfunctioning and needs to be replaced. Contact us to replace it if the warranty is still in place.
- **False alarms triggered intermittently or when residents are cooking, taking showers, etc.:** Check whether there is any danger from smoke and/or fire nearby. Once danger has been ruled out, press the test button to set the silent mode. To prevent future false alarms, clean and maintain the detector as directed. Also consider installing the smoke detector in a different location if it gives a false alarm due to water vapor.

I. Important safety information

CAUTION

- Please read and save these instructions.
- Do not remove or disconnect battery to silence unwanted alarms. Open windows or evacuate the air around the smoke detector to silence it.
- The test button accurately tests all detector functions. Do not use any other test method. Test the detector weekly to ensure proper operation.
- This detector is designed for private homes.
- Install a smoke detector in every room and on every level of the home. Smoke may not reach the smoke detector for many reasons. A smoke detector will not promptly detect a fire, except in the area or room in which it is installed.

- Smoke detectors may not alert every household member every time. The alarm horn is loud in order to alert individuals to a potential danger. However, there may be limiting circumstances where a household member may not hear the alarm (i.e., outdoor or indoor noise, sound sleepers, drug or alcohol usage, the hard of hearing, etc.). If you suspect that this smoke detector may not alert a household member, install and maintain special smoke detectors. Household members must hear the alarm and quickly respond to it to reduce the risk of damage, injury, or death that may result from fire. If a household member is hard of hearing, install special smoke alarms with lights or vibrating devices to alert occupants.
- Smoke detectors can sound their alarms only when they detect smoke. Smoke detectors detect combustion particles in the air. They do not sense heat, flame, or gas. This smoke detector is designed to give audible warning of a developing fire. However, many fires are fast-burning, explosive, or intentional. Others are caused by carelessness or safety hazards. Smoke may not reach the smoke detector quickly enough to ensure safe escape.
- Smoke detectors have limitations. This smoke detector is not foolproof and is not warranted to protect lives or property from fire. Smoke detectors are not a substitute for insurance. Homeowners and renters should insure their lives and property. In addition, it is possible for the smoke detector to fail at any time. For this reason, you must test the smoke detector weekly.

J. Two years of warranty

During the specified warranty period of 2 years after purchase, we will repair or replace any defective detector that is returned. This warranty shall not apply to the detector if it has been damaged, modified, neglected, abused, or altered after the date of purchase or if it fails to operate due to improper maintenance, and the unit will not be replaced or repaired. Please contact us regarding the warranty.

The manufacturer shall have no liability for any personal injury, property damage, or any special, incidental, contingent, or consequential damage of any kind resulting from gas leakage, smoke, fire, or explosion.

Product specifications

A. Package contents

- Photoelectric smoke detector(s)
- Mounting bracket
- Screw kit
- User manual

B. Product specifications

- Power: **3V DC**
- Battery: **1x CR123A Lithium Battery (included, replaceable)**
- Alarm volume: **>85dB(A)**
- Wireless connection: **Matter over Thread**
- Frequency: **2.4GHz-2.48GHz**
- Operating temperature: **0°C~ +55°C**
- Operating humidity: **≤95%RH (no condensation)**
- Complies to Standard: **EN14604:2005/AC:2008**

C. Product certifications

Download DOC/DOP at www.aroha.nl.

CE 2531 26

DOP: ARO-SM1M-Rev0

Complies to Standard EN14604:2005/AC:2008

Manufacturer: Aroha Electronics Ltd., Sofroniy Vrachanski 8-A, fl. 2, 9000 Varna, Bulgaria

Matter QR setup code

This Matter QR setup code is unique for your Aroha Home Smoke Detector. Store it in a safe place, as it cannot be reproduced.

See **chapter B** or www.aroha.nl/manual on how to connect this detector to a Matter-compatible app via a Matter-compatible Thread Border Router.

Please find the Matter QR setup code on the side of your detector.