Aroha SM11W

Aroha Smart Connect WLAN Smoke Detector User Manual

Model: SM11W
Brand: Aroha

1. Introduction

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your Aroha Smart Connect WLAN Smoke Detector. Please read this manual thoroughly before using the device to ensure proper function and safety.

The Aroha Smart Connect smoke detector is designed to provide early warning of smoke and fire hazards in your home, offering remote monitoring capabilities via the Tuya Smart or SmartLife application.

2. Package Contents

Verify that all items are present in the package:

- Aroha Smart Connect Photoelectric Smoke Detector(s)
- Mounting Bracket
- Screws and Dowels
- User Manual (this document)



Image: Contents of the Aroha Smart Connect Smoke Detector package, including multiple detectors and a smartphone showing the app.

3. Key Features

- **Remote Monitoring:** Monitor your home's safety from anywhere via the connected Tuya Smart or SmartLife App.
- **Real-time Notifications:** Receive instant alerts on your smartphone in case of smoke detection.
- **10-Year Battery Life:** Equipped with a non-replaceable lithium battery designed to last for 10 years, providing long-term, worry-free operation.
- **Photoelectric Sensor:** Advanced photoelectric sensors effectively detect smoke from slow-burning fires (e.g., cigarettes, electrical wiring).
- **Loud Alarm:** Features an 85 dB alarm to alert occupants of a fire hazard.
- **Test & Mute Button:** Easily test the alarm or mute false alarms directly on the device or via the app.
- **Intelligent Self-Test:** The detector performs self-checks every minute to ensure reliable protection.
- **Smart Home Integration:** Seamlessly integrates with your existing Smart Home ecosystem through the Tuya Smart or SmartLife App (requires 2.4 GHz Wi-Fi network).



Image: Visual representation of the 10-year battery, LED indicator, and self-test features.



Image: Depiction of the photoelectric sensor's function, showing smoke detection and the 85 dB alarm range.

4. Installation

4.1 Physical Installation

The Aroha Smart Connect smoke detector is designed for effortless installation using the provided screws and dowels. It is recommended to install smoke detectors on the ceiling in the center of a room or hallway. Avoid placing them near vents, windows, or in areas with high humidity.

1. Select an appropriate mounting location.
2. Use the mounting bracket as a template to mark drill holes on the ceiling.
3. Drill the holes and insert the dowels.
4. Secure the mounting bracket to the ceiling with the screws.
5. Align the smoke detector with the mounting bracket and twist clockwise until it clicks into place.



Image: The compact and slim design of the Aroha smoke detector, highlighting its dimensions.

4.2 App Setup and Pairing

To utilize the smart features of your Aroha smoke detector, connect it to the Tuya Smart or SmartLife app. Ensure your Wi-Fi network is 2.4 GHz.

1. **Activate the Detector:** Press and hold the front of the detector until you hear a beep. This activates the device.
2. **Download App:** Download the "Tuya Smart" or "SmartLife" app from your smartphone's app store.
3. **Enable Bluetooth:** Ensure Bluetooth is enabled on your smartphone for easier device discovery.
4. **Open App & Add Device:** Open the app, log in or sign up, and select "Add Device". The app will search for nearby devices.
5. **Activate Pairing Mode:** Quickly press the front of the detector 4 times within 1 second. The LED indicator will flash, indicating pairing mode.
6. **Connect to Wi-Fi:** Follow the in-app instructions to connect the detector to your 2.4 GHz Wi-Fi network.
7. **Name Device:** Once connected, you can rename the device (e.g., "Living Room Smoke Alarm").
8. **Check Notifications:** Verify app notification settings to ensure you receive alerts.

For a visual guide, please watch the official installation video:

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Video: Aroha Smoke Detector WLAN Installation Guide. This video demonstrates the step-by-step process of activating the detector, pairing it with the Tuya Smart app, connecting to Wi-Fi, and testing the alarm.



Image: The Aroha Smart Connect app interface, demonstrating how multiple devices can be managed and showing the 2.4 GHz Wi-Fi compatibility with Tuya and SmartLife apps.

5. Operation

5.1 Testing the Detector

It is recommended to test your smoke detector weekly to ensure it is functioning correctly.

- **Manual Test:** Press the front surface of the detector once. The alarm will sound briefly, and the LED will flash.
- **App Test:** Open the Tuya Smart or SmartLife app, select your smoke detector, and use the test function within the app.



Image: Demonstrating how to press the test/mute button on the detector, which can also be done with a broom or umbrella for ceiling-mounted units.

5.2 Muting the Alarm

In case of a false alarm (e.g., from cooking fumes), you can temporarily mute the alarm:

- **Manual Mute:** Press the front surface of the detector once. The alarm will silence for a short period.
- **App Mute:** Use the mute function available in the Tuya Smart or SmartLife app.

5.3 App Functionality

The Tuya Smart/SmartLife app provides enhanced control and monitoring:

- **Real-time Status:** View the current status of your smoke detector(s).
- **Battery Status:** Check the remaining battery life.
- **Alarm History:** Review past alarm notifications and test results.
- **Share Control:** Grant access to family members or trusted users to monitor and control the detectors.



Image: Features available through the app, including real-time notifications and battery status.

6. Maintenance

Regular maintenance ensures optimal performance of your smoke detector:

- **Cleaning:** Gently vacuum the detector's cover and vents monthly to remove dust and debris. Do not use cleaning sprays or solvents.
- **Battery:** The detector features a 10-year sealed lithium battery that is not user-replaceable. When the battery is low, the detector will emit a low battery warning chirp, and the app will notify you. Replace the entire unit when the battery is depleted.
- **Self-Test:** The intelligent self-test function runs automatically every minute.

7. Troubleshooting

Problem	Possible Cause	Solution
Detector does not activate (no beep after 10s press).	Not pressed long enough or firmly enough.	Ensure a firm, continuous press for at least 10 seconds until a beep is heard.

Problem	Possible Cause	Solution
Cannot pair with app.	Bluetooth not enabled, incorrect Wi-Fi frequency, or pairing mode not activated correctly.	◦ Ensure Bluetooth is on. ◦ Confirm your Wi-Fi is 2.4 GHz. ◦ Press the detector 4 times quickly (within 1 second) to enter pairing mode (LED flashes). ◦ Try resetting the detector by deactivating (10s press) and reactivating (10s press) before re-pairing.
False alarms.	Steam from cooking/showering, dust, or insects.	◦ Relocate the detector away from sources of steam or fumes. ◦ Clean the detector regularly (see Maintenance). ◦ Use the mute function to silence temporary alarms.
Low battery warning (chirping).	Battery is nearing end of life.	The battery is non-replaceable. Replace the entire smoke detector unit.

8. Specifications

- **Model Number:** SM11W
- **Power Source:** 10-Year Sealed Lithium Battery (non-replaceable)
- **Sensor Type:** Photoelectric
- **Alarm Loudness:** 85 dB
- **Connectivity:** 2.4 GHz Wi-Fi (Tuya Smart / SmartLife App compatible)
- **Dimensions:** 12 cm (Diameter) x 3 cm (Height)
- **Weight:** 144 g
- **Color:** White
- **Installation Method:** Screw mounting
- **Certifications:** EN14604, CE



Image: The Aroha detectors are CE- and NEN-certified, ensuring high safety standards.

9. Safety Information

- Do not paint the smoke detector. Paint can clog the sensing chambers and prevent the alarm from operating properly.
- Do not attempt to open or repair the detector. There are no user-serviceable parts inside.
- This smoke detector is designed for residential use only.
- Regularly test your smoke detector as recommended in this manual.
- In case of an actual fire, evacuate the premises immediately and call emergency services.

10. Warranty and Support

Aroha provides a warranty for this product against defects in materials and workmanship under normal use. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact Aroha customer support.

For technical support, troubleshooting assistance, or general inquiries, please visit the official Aroha website or contact their customer service team. Contact information can typically be found on the product packaging or the Aroha brand store on Amazon.

Aroha Brand Store: Aroha Electronics on Amazon