

AOTIQUAL 005

AOTIQUAL 2-in-1 Cigarette and PM2.5 Detector Instruction Manual

Model: 005 | Brand: AOTIQUAL

1. PRODUCT OVERVIEW

The AOTIQUAL 2-in-1 Cigarette and PM2.5 Detector is an advanced environmental monitoring device designed to ensure a smoke-free and healthy atmosphere in various indoor spaces. It combines a no-smoking alert system with a PM2.5 alarm, providing real-time voice reminders and remote control functionality for convenient operation.

Key Features:

- **Dual Functionality:** Detects both cigarette smoke and PM2.5 particles.
- **Real-Time Voice Reminders:** Provides audible alerts for smoke presence and air quality concerns.
- **Smart Remote Control:** Allows for easy adjustments of settings from a distance.
- **Durable and User-Friendly:** Constructed from high-quality ABS material for longevity and ease of installation.



Figure 1: AOTIQUAL 2-in-1 Cigarette and PM2.5 Detector with included remote control.

2. PACKAGE CONTENTS

Upon opening the package, please verify that all the following items are included:

- AOTIQUAL 2-in-1 Cigarette and PM2.5 Detector (Model 005)
- Remote Control
- USB-C Power Cable (80 inches / 2 meters)
- Power Adapter (Wall Plug)
- Mounting Bracket
- Mounting Screws and Anchors
- Double-Sided Adhesive Tape
- Instruction Manual (this document)

3. SETUP AND INSTALLATION

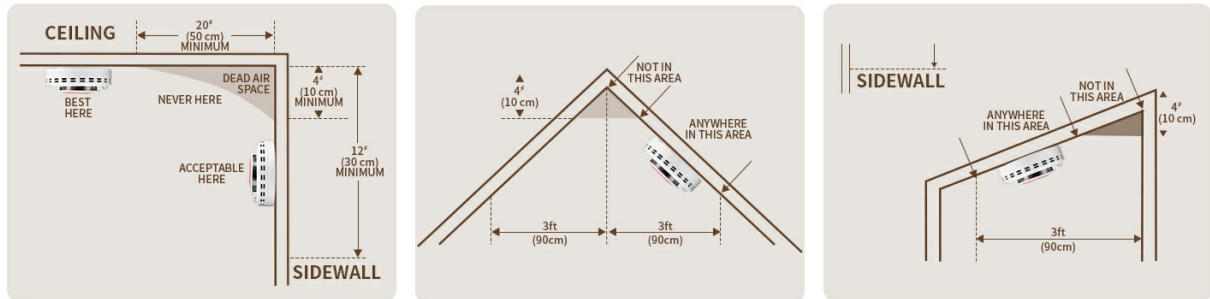
Follow these steps to properly set up and install your AOTIQUAL detector:

3.1 Mounting Location

Choose a suitable location for the detector. It is designed for indoor use in offices, public spaces, or other areas where smoke and PM2.5 monitoring is desired. Consider the following guidelines:

- **Ceiling Installation:** If installing on a ceiling, the best location is in the center of the room. If not in the center, install at least 20 inches (50 cm) away from corners.
- **Wall Installation:** If mounted on a wall, install 4-12 inches (10-30 cm) below the ceiling.
- **Angled Ceilings:** When installing on an angled ceiling, place the detector at least 4 inches (10 cm) vertically and within 3 feet (90 cm) horizontally from the highest point.
- **Avoid "Dead Air" Space:** Do not install in areas where air circulation is poor, such as directly in corners or near obstructions.

Installation Guide



If not in the ceiling's center, install 20 in (50 cm) away from corners.
 If mounted on a wall, install 4-12 in (10-30 cm) below the ceiling.

When angled, install 4 in (10 cm) away vertically, within 3 ft (90 cm) horizontally, from the highest point.

Figure 2: Recommended installation guidelines for optimal detection.

3.2 Power Connection

The detector operates via a corded electric connection. It does not use batteries for primary power.

1. Connect the USB-C power cable to the detector's power port.
2. Plug the power adapter into a standard electrical outlet. The 80-inch cable provides flexibility for placement.

Fast Response

Can quickly detect Cigarette/PM2.5 particles in the air and issue voice prompts



Figure 3: The detector connected to power using its extended cable.

3.3 Initial Power-On

Once connected to power, the detector will automatically power on and perform a system reset. A voice prompt will confirm the system is ready.

Your browser does not support the video tag.

Video 1: Demonstrates the detector's display and initial power-on sequence, including voice prompts and smoke detection.

4. OPERATING INSTRUCTIONS

The detector can be operated using the included remote control. Familiarize yourself with the remote's functions:



80Inches Extension Power Cord

The 80-inch ultra-long power cable can be adapted to most power supply environments.

Figure 4: Remote control functions for the AOTIQUAL detector.

4.1 Remote Control Functions

- **Power On/Off:** Turns the detector system on or off.
- **LED Power:** Toggles the LED flashing light on or off.
- **Adjust Voice Volume (+/-):** Increases or decreases the volume of voice prompts.
- **Increase/Decrease Sensitivity (+/-):** Adjusts the detection sensitivity across ten levels (Level 1 to 100 $\mu\text{g}/\text{m}^3$ to Level 10 to 1000 $\mu\text{g}/\text{m}^3$).
- **Fan On/Off:** Controls the internal fan. Turning the fan on can accelerate air intake for faster detection in large environments.
- **Choose Music:** Selects different voice prompt options.
- **Manual Reset (M):** Manually resets the alarm.
- **Auto Reset (A):** Sets the detector to automatically reset after an alarm.

4.2 Voice Reminders and Alarms

When cigarette smoke or PM2.5 particles are detected above the set sensitivity level, the device will issue a voice reminder such as: "According to the smoking control regulations, smoking is not allowed in public place."

For our health, no smoking, please." The alarm will continue as long as the detected particles remain above the threshold.

2-in-1 Cigarette and PM2.5 Detector



Accurately detect Cigarette and PM2.5 particles in the air to ensure air quality

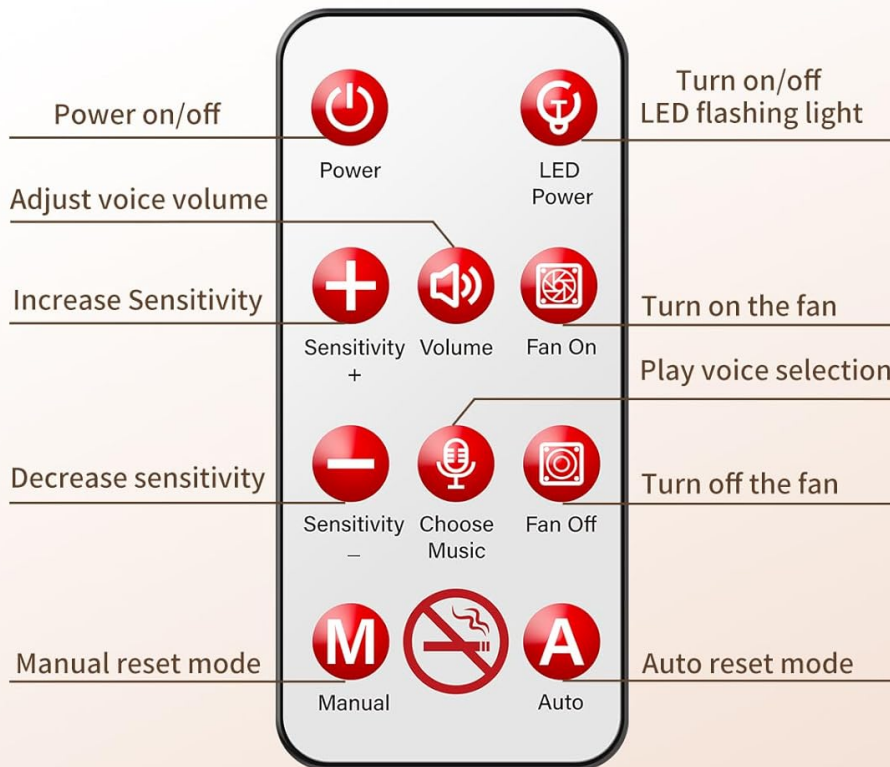
Figure 5: The detector actively monitoring air quality for PM2.5 particles.

5. SPECIFICATIONS

Detailed technical specifications for the AOTIQUAL 2-in-1 Cigarette and PM2.5 Detector:

Feature	Specification
Brand	AOTIQUAL
Model Number	005
Power Source	Corded Electric (DC5V 2A)
Product Dimensions	4.8"D x 4.8"W x 1.6"H
Item Weight	0.7 Pounds (11.2 ounces)
Material	ABS

Working Current	Less than 100mA
Alarm Status Current	Less than 400mA
Alarm Mode	Voice Announcement
Operating Temperature	-10°C ~ 50°C
Relative Humidity	≤95% (40±2°C)
Detection Range	430ft² (Maximum 650ft²)
Measurement Accuracy	±0.5%
Included Components	Cigarette Detector, Remote Control, Power Cable, Power Adapter, Mounting Hardware



Opening/closing of the fan: it can inhale air faster , and achieve the effect of large-scale detection of the environment in a short time (rather than waiting for natural diffusion).

Sensitivity: Ten level Settings, corresponding to level 1 to 100µg/m³ and level 10 to 1000 µg/m³

Figure 6: Overview of detector components and key specifications.

6. MAINTENANCE

To ensure optimal performance and longevity of your AOTIQUAL detector, follow these simple maintenance guidelines:

- **Regular Cleaning:** Gently wipe the exterior of the detector with a soft, dry cloth to remove dust. Do not use abrasive cleaners or solvents.
- **Avoid Obstructions:** Ensure that the air intake vents (steel mesh) are not blocked by dust, debris, or other objects.
- **Environmental Conditions:** Operate the device within the specified temperature and humidity ranges to prevent damage. Avoid direct exposure to water or excessive moisture.
- **Power Connection:** Periodically check the power cable and adapter for any signs of damage. Replace if necessary.

7. TROUBLESHOOTING

If you encounter any issues with your AOTIQUAL detector, please refer to the following common troubleshooting steps:

- **No Power/Device Not Turning On:**
 - Ensure the power cable is securely connected to both the detector and the power adapter.
 - Verify that the power adapter is firmly plugged into a working electrical outlet.
 - Check if the power outlet is functional by plugging in another device.
- **"Sensor Error" Message:**
 - This indicates a potential issue with the internal sensor. Try unplugging the device for a few minutes and then plugging it back in to perform a system reset.
 - Ensure the air intake is not obstructed.
 - If the error persists, contact customer support.
- **No Voice Reminders/Low Volume:**
 - Use the remote control's "Volume +" button to increase the audio output.
 - Ensure the detector's speaker is not covered or obstructed.
- **Detector Not Responding to Remote Control:**
 - Ensure there are no obstructions between the remote control and the detector.
 - Check the battery in the remote control and replace if necessary.
- **False Alarms:**
 - Adjust the sensitivity setting using the remote control to a lower level if the environment is prone to non-smoke related airborne particles.
 - Ensure the detector is not placed near sources of steam, strong odors, or excessive dust.

If these steps do not resolve the issue, please contact AOTIQUAL customer support for further assistance.

8. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the warranty card included in your package or visit the official AOTIQUAL website. You may also contact AOTIQUAL customer

service directly through the contact information provided on their website or product packaging.

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