User Manual

Smart Smoke and Carbon Monoxide Alarm Listener

Model: SAL51

This user manual contains important information regarding the operation of your smart smoke and CO alarm listener. Ensure you read this user manual fully before installing and operating the listener. If you are installing this device for use by others, you must leave this manual (or a copy of it) with the end user.

Introduction

This device is intended to work with smoke/CO alarms that meet the UL standards and last 10 years or less, however it does not detect fire, smoke, or carbon monoxide. The smoke and CO alarm listener sends you real-time mobile notifications whenever it hears alarms from the nearby existing smoke or CO alarms in your home.

Product Overview

SAL51Listener

LED Indicator
TestButton
Sensor Hole

SBS50 Base Station
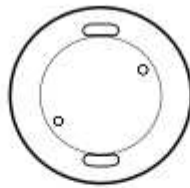

USB Input
Pair/Silence Button
LED Indicator
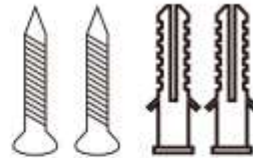Speaker

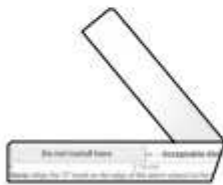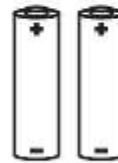# Package Contents

Alarm Listener (SAL51)

Mounting Bracket

Screw Kit

Ruler

User Manual

Batteries

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Device Setup

Download the X-Sense Home Security App

To download the **X-Sense Home Security** App, scan the QR code or search for **"X-Sense Home Security"** in the Apple App Store or Google Play Store. Sign up with a valid email address. If you already have an account, make sure the app is updated to the latest version.

Note: Make sure your smartphone supports iOS 11 and higher, or Android8.0 and higher.

Before connecting devices, make sure that:

1. You know your Wi-Fi network name and password.

2. You are connecting your device using a 2.4 GHz Wi-Finetwork (incompatible with 5 GHz Wi-Fi network).

3. Make sure the Bluetooth on your phone is turned on.

Note: When the device is configured via Wi-Fi, make sure your mobile phone and device are as close to the router as possible, which can speed up device configuration.

Connect theSmoke and Carbon Monoxide Alarm Listener to the Base Station

TheSmoke and Carbon Monoxide Alarm Listener can be connected to the base station through the wireless network. When the listener is connected to the base station, you will receive push notifications wherever you are to stay informed of the device status.

Note: Before adding devices to the system, make sure the base station has been successfully added to the app.
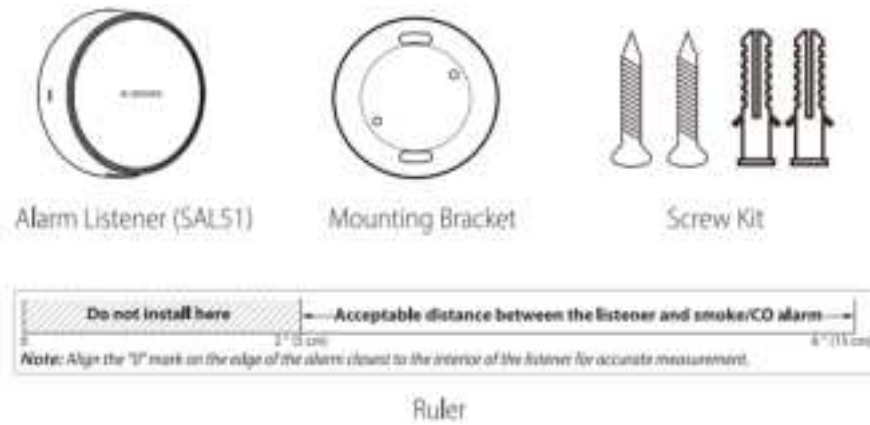
1. Tap"⊕", and select "Smoke and CO Alarm Listeners" in the product list. Then, tap "Next" to enter the pairing page.

2. Enter a name for the listener. Then select the room in which it is installed. Then tap "Next."

3. Remove the back cover from the device and install the battery. Ensure battery polarities are matched correctly. Then tap "Next."

4. Follow the prompts on the page by quickly pressing the test button twice on the deviceuntil the LED flashes blue rapidly, indicating that the device is waiting to connect to the Wi-Fi.

5. Tap "Next" to add the device. You will hear "Ready to add the device."

6. After successfully connected, you will hear "Device added" and the "Device added" page will appear. Then, the app page will go to "Ready to Install." Follow the instructions to complete the installation. Now, you can find the listener in the device list.

7. If you want to add multiple devices into the system, please repeat the above steps.

NOTE: If you fail to add the listener to the network within 60 seconds, the device will automatically exit the network configuration.To re-enter the network configuration, you need to repeat the above steps.

Installation Method

Gather the necessary items before installation:
Package Contents:

Alarm Listener (SAL51)   Mounting Bracket   Screw Kit

Do not install here	Acceptable distance between the listener and smoke/CO alarm

Note: Align the "I" mark on the edge of the alarm closest to the interior of the listener for accurate measurement.

Ruler

Alarm Listener (SAL51)
Mounting Bracket
Screw Kit
Ruler

Items Not Included:

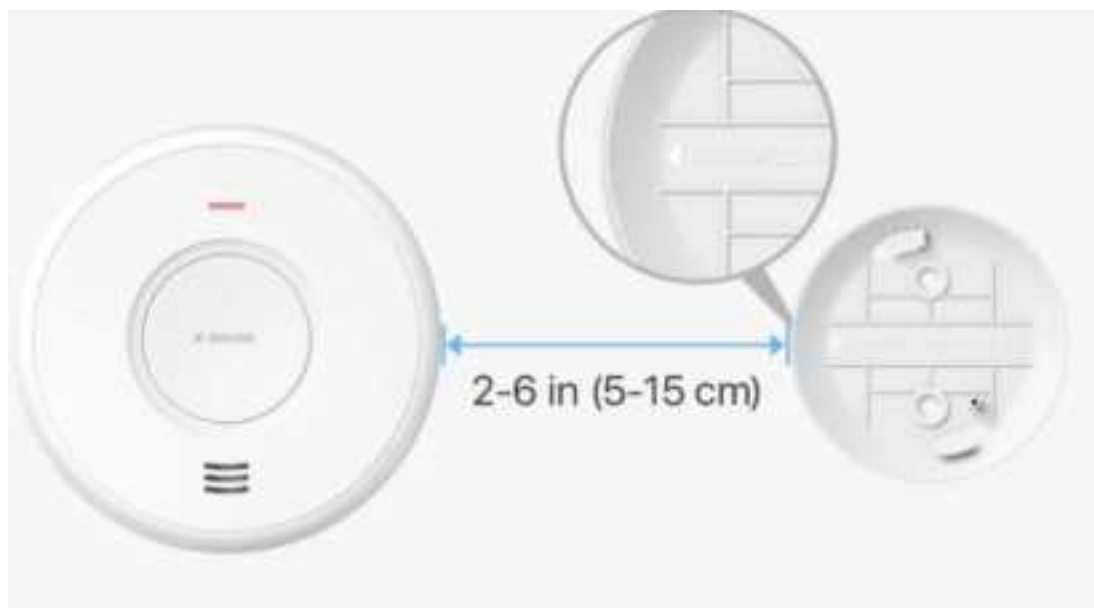Electric Drill with Ø 1/4 in (6.0 mm) drill bit   Pencil   Hammer   Philips Screwdriver

Electric Drill with Ø 1/4 in (6.0 mm) drill bit
Pencil
Hammer
Philips Screwdriver

Installation Notes

Find a location for your listener mounting bracket within 2–6 in (5–15 cm) of a smoke/CO alarm, making sure the arrow on the bracket points to your existing smoke/CO alarm. The sensor hole of the listener should face the buzzer of the smoke/CO alarm for best results.

NOTE:

1. Keep the distance between the smoke/CO detector and listener **no closer than 2 in (5 cm)**.

2. Keep the distance between the smoke/CO detector and listener **no more than 6 in (15 cm)**.

More than 6 in (15 cm)

Installation Instructions

1. Once you have decidedthe mounting location, mark two screw holes on the wall or ceiling according to the holes on the mounting bracket, then drill the two screw holes to a depth of 1.2 in (30 mm) using a Ø 1/4 in (6.0 mm) drill bit.

2. Insert the anchor plugs and screw in the mounting bracket using the provided screws.

3. Attach the listener to the mounting bracket by turning clockwise to lock the device.

Note: The sensor is housed in the small hole on the side of the listener. Please do not poke it, as this may result in damage.

Signal Reception Test

After the listener is attached to the mounting bracket, tap "Next" and you will go to the "Signal Reception Test" page. The signal reception test ensures that the listener can receive alarm signals from your smoke/CO alarm.

1. Press the smoke or CO alarm's test/silence button. The listener will flash red and anin-app message"Alarms Signal Received" will appear below the page when the listener receives an alarm signal.

Note: If the listener does not hear your alarm, it cannot monitor your alarm. This is possibly because you didn't press the smoke/CO alarm's test/silence button, or the smoke/CO alarm is too old and needs to be replaced.

2. The signal reception test lasts 3 minutes. Tap the Test Cancelation button or press the button on the side of the listener to cancel the test.

Installation Is Completed

Your listener has been installed and now the listener is hearing your smoke/CO alarm.

Testing your smoke/CO alarm may trigger the listener (including the device's test after battery replacement).

To avoid false alarms, press the button on the side of the listener or enable the signal reception test in the app before testing your smoke/CO alarm, then press the test/silence button on the smoke/CO alarm.

Without Using the App

You can start the listener's signal reception test without using the app, which will facilitate the monthly test of your smoke/CO alarms.

Step 1: Press the button on the side of the listener to start the reception test. The listener will flash red quickly.
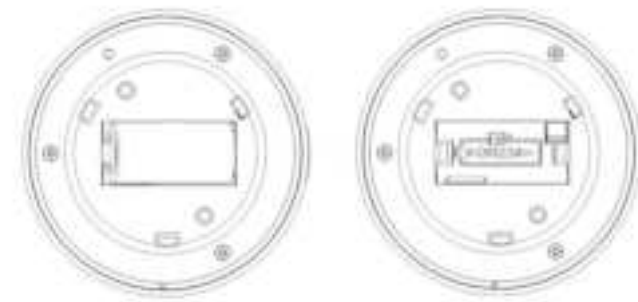

Step 2: Press the smoke/CO alarm's test/silence button. If the listener receives alarm signals, the LED indicator will flash red and you will receive a push notification.

The signal reception test lasts 3 minutes. Press the button on the side of the listener to cancel the test.

Battery Replacement

1. To replace the battery, detach the listener from the mounting bracket by twisting counterclockwise.

2. Remove the batteries, then install new batteries matching the correct polarity markings.

3. Test the device, then mount the listener onto themounting bracket by twisting clockwise to lock the device.

Technical Specifications

Battery	2 × AAA (replaceable)
Voltage	3V DC
Battery Capacity	1,200 mAh
Product Life	5 years
Battery Life	2 years
Operating Temperature	32–122°F (0–50°C)
Installation Method	Screws, anchors, and mounting bracket

Installation Location	Wall/Ceiling
Alarm Volume	No sound (flashing light only)
Indicator Light	Red/Blue
Maximum Number of Interconnected Units	50 devices can be added to the SBS50 base station
Operating Frequency	915 MHz (US)/868 MHz (EU)
Connection Distance (in Open Air)	1,700ft (500m)
App	X-Sense Home Security (both Android and iOS supported)
Wi-Fi Frequency	2.4 GHz (incompatible with 5 GHz Wi-Fi network)

LED Indicator of Listener

Mode	LED Status
Powering On	Flashes red once.
Normal Working Condition	None.
Pairing Mode	Flashes blue rapidly.
Monitoring State	Every time an alarm sound is heard, the LED flashes red once.
Alarm Status	The initiating listener flashes red, and the other listeners alternate flashing red and blue.
Low Battery	Flashes red once every 60 seconds.

Troubleshooting

PROBLEM	CAUSE	SOLUTION
In the "Signal Reception Test" step, the listener cannot hear the smoke/CO alarm and there is no prompt in the app.	The distance between the listener and the smoke/CO alarm is too close or too far apart.	Please install your listener within 2–6 in (5–15 cm) of a smoke/CO alarm, making sure the arrow on the bracket points to your existing smoke/CO alarm.
	The test button on the smoke/CO alarm was not pressed.	In the "Signal Reception Test" step, push the test button on the smoke/CO alarm to allow the listener to hear it, and make sure that the alarm can be heardas normal.
	The smoke/CO alarm is too old and cannot be heardby the listener.	Replace the alarm with a new smoke/CO alarm.
It is unclear how to judge if the listener is working properly.		After completing the installation steps for the listener, light a piece of paper on fire and use the resulting smoke to trigger your smoke alarm. Allow the alarm to continue sounding and if the listener is functioning properly, you

		should receive a push notification through the app. Please note, that attempting to trigger the listener by pressing the alarm's test button may result in failure, so it's best to use the smoke from a piece of paper as instructed.
It is unclear how to judge which listener is triggered first.		Look in the app: only the initiating listener will be displayed as being triggered, and the other listeners will not.
		Judge by the color of the LED indicator: the initiating listener flashes red, and the other listeners alternate flashing red and blue.
Testing the smoke/CO alarm will trigger the listener.	None.	Once the listener is installed, it will continuously listen to your alarm, so testing your alarm will trigger it (including the device's test after battery replacement). Before testing your smoke/CO alarm, first press the test button on the side of the listener, or go to the "Signal Reception Test" page in the app.
When the smoke/CO alarm stops alarming, the LED indicator of the listener is still flashing, and the base station is still alarming.	None.	After the smoke/CO alarm stops alarming, the listener will continue to monitor for a short period of time to confirm that the alarm has ended. Within 30 seconds, the LED indicator of the listener will stop flashing and the base station will stop alarming.
When the listener is triggered, the base station mutes after a short period of alarming, while the listener continues to alarm.	None.	To avoid disturbing people, the base station's alarm sound will automatically mute after 10 minutes of continuous alarming. The base station's silence has no effect on the listener's ability to continue to alarm.
The listener cannot be added to the base station.	The listener did not enter pairing mode.	Quickly press the test button twice on the listener until it flashes blue rapidly, indicating it has entered pairing mode.
The alarm volume of the base station is low.	The alarm sound is set to low.	Go to "Base Station Alarm Sound" in the "Device Settings" of the listener to adjust the alarm sound.
The app push notification is delayed or there are no push alerts.	The app push notification permission is disabled.	Turn on the push notification permission on the phone.
	The base station is not within the network coverage of the router.	The distance between the base station and the router should be within 170 ft (50 m). Please ensure that the base station is always within the network coverage of the router.

	Thecommunication between the listener and base station is not stable or they are toofar apart.	Reduce the obstacles between the listener and base station. The maximum distance between the listener and the base station in an open environment is 1,700 ft (500 m).
	The network connection of the router and the mobile phone is abnormal.	Make sure the network connection of the router and the mobile phone is normal.
The app shows that the listener is offline.	The communication between the listener and the base station is blocked or the distance is too far.	Reduce the obstacles between the listener and the base station. The maximum distance between the listener and the base station is 1,700 ft (500 m) in an open environment.
	The batteries have run out.	Replace the batteries.
The app prompts low battery, and LED indicator of the listener flashes once every 60 seconds.	Low battery warning.	Replace the batteries.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Environmental Protection

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with Local Authority or retailer for recycling advice.

Manufacturer and Service Information

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