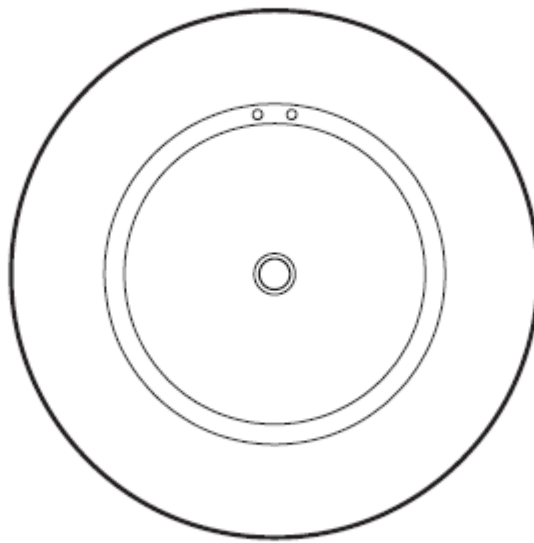


# User Manual

## Smart Water Leak Sensor

Model: SWS51

# X-SENSE



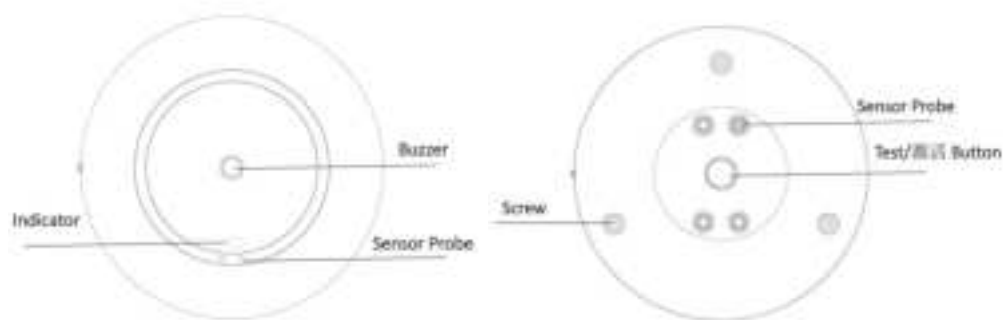
## User Manual

**This user manual contains important information about your water leak sensor's operation. To ensure proper use and trouble-free operation, please read this manual carefully and store it in a safe place for future reference.**

### Introduction

This water leak sensor sounds an alarm whenever it comes into contact with water. It can be placed near common household water sources like a dishwasher, hot water heater, or washing machine. This water leak sensor can be connected to the SBS50 base station via the X-Sense Home Security app using Wi-Fi. When the device detects water leaks, a push notification will be sent to your smartphone from the app so that you can take action immediately.

### Product Overview



LED Indicator

Buzzer

Sensor Probe

Screw

Test/Silence/Pair Button

## Package Contents

### Package Contents



1 × Water Leak Sensor



2 × AAA Batteries



1 × User Manual

1 × Water Leak Sensor

2 × AAA Batteries (Pre-installed)

1 × User Manual

## Device Setup

Download the X-Sense Home Security App




To download the **X-Sense Home Security** app, scan the QR code below 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 Android 8.0 and higher.*

## Connecting the Water Leak Sensor to the Base Station

The water leak sensor connects to the base station through the wireless network. When the sensor is connected to the base station, you can receive push notifications wherever you are to stay informed of the device status, and to silence an alarm from your smartphone.

*Note: Before adding devices to the system, make sure the base station has been successfully added to the app.*

1. Tap “- 2. Follow the prompts on the page by pressing the Test/Silence/Pair button twice on the bottom of the water leak sensor until it flashes blue rapidly, indicating that the device is waiting to connect to the Wi-Fi.
- 3. Tap “Next” to add the device. You will hear “Ready to add the device.”
- 4. After successfully connected, you will hear “Device Added” and the “Device Added” page will appear. Then you can find the water leak sensor in the device list.
- 5. If you want to add multiple devices into the system, please repeat the above steps.

*NOTE: If you fail to add the water leak sensor 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.*

## Testing the Device

When the water leak sensor is successfully added to the base station, you must test the device to ensure it is operating normally. Press the Test button at the bottom of the device, or you can open your smartphone app and go to the “Device Settings” of the water leak sensor. Then tap “Device Test” to test the device. The alarm will deliver 3 beeps paired with the LED flashing red. The sound will automatically stop after the test is completed. You will receive a push notification on your smartphone, indicating that the device is functioning properly.



## Installing Your Device

### Installation Location

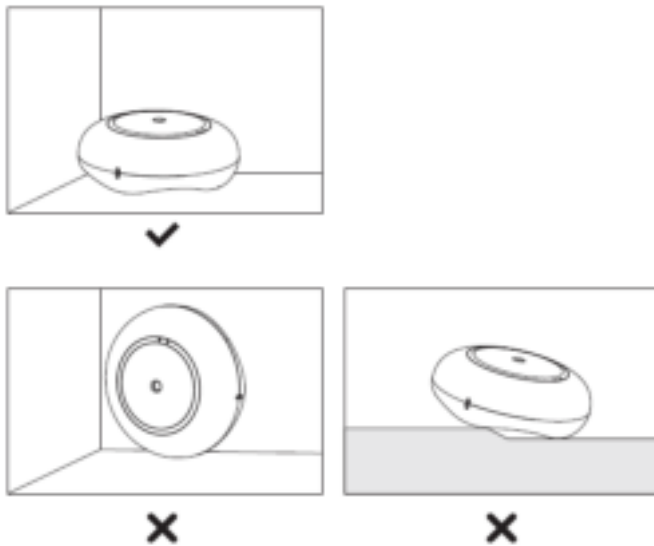
You can use the device near places where water leaks are likely to occur such as near water pipes, basement sump pumps, dishwashers, washing machines, toilets, water heaters, window wells, etc.

### Installation Method

This sensor can simply be placed on a flat surface.

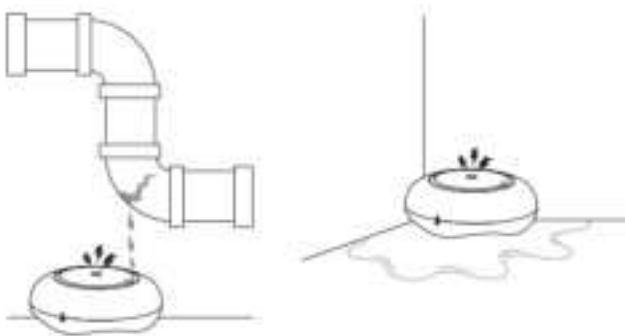
#### *Note*

- 1. Do not place the device upright, otherwise no alarm will be triggered.*
- 2. Do not place the device on uneven surfaces as this may cause false alarms.*



### Water Leak Detection

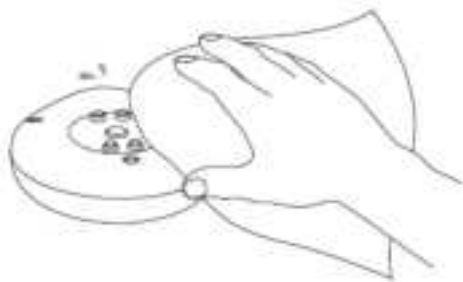
This water leak sensor is used to detect water leaks and floods. Once a water leak occurs, the device will sound an alarm continuously paired with the LED flashing red. Meanwhile, the base station will report a warning and a push alert will be sent to your phone by the app. If no action is taken at this time, the device will continue to sound an alarm until the battery runs out.



***Note: When a water leak stops, you will receive an “Alarm Ended” push notification on your phone from the app.***

### **Silencing the Device**

When the device is triggered, simply press the Silence button on the water leak sensor or base station to mute the alarm, or turn the Silence button to mute using the app. If water is no longer on the device during the silent period, an app push notification will be sent to your phone. If the device is still soaked in water after being silenced, the alarm and push notification will not be repeated. After the water leak sensor is taken out of the water and wiped dry, the app push notification will be enabled, and the water leak sensor will return to normal standby mode.



### **Unique Features**

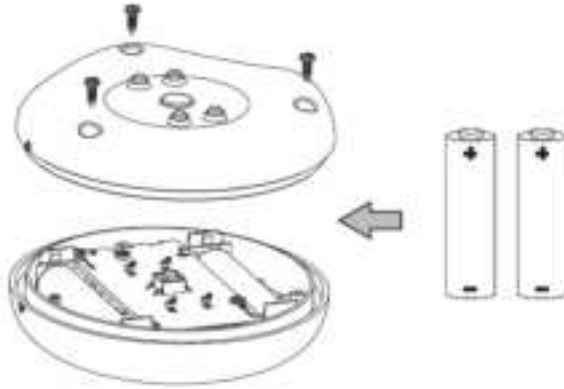
**Remind Me Later:** When the device is triggered, “Remind Me Later” will appear on your phone from the app. You can set a “Reminder Me Later” timer to silence the water leak sensor and base station for a period of time (10 minutes/30 minutes/2 hours/6 hours/12 hours). When the timer is up, if the sensor still detects a water leak, it will resend alerts. If the water leak stops while the timer is running, you’ll also be notified. The “Remind Me Later” function can be disabled at any time. This feature can be used to remind you to resolve a water leak at a later time.

### **Low Battery Mode**

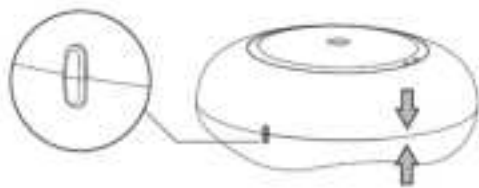
When the battery is low, the LED indicator will flash red once every 60 seconds paired with a beep. Your app will warn you with a low battery notification.

### **Battery Replacement**

When the battery is low, the red LED will flash once every 60 seconds paired with one beep to remind the user to replace the batteries. You will receive a low battery notification on your phone via the app. To replace the batteries, remove all screws, take out the used batteries, and replace them with two new AAA batteries. Then, reinstall the screws and test the device.



*Note: After replacing the battery, you need to align the positioning points of the upper and lower shells to close the cover and then screw the device closed.*



## Maintenance

Please shake the device on your hand a few times after it has sounded an alarm to remove any water that may have collected in the buzzer opening. Clean the top and bottom contact probes with a dry cloth and paper towel, then put the device back in its place. This will ensure that the device consistently performs well.

## WARNING

1. Keep the device operating at a temperature between 32–122°F (0–50°C) and humidity below 90% RH.
2. Do not disassemble the device by force. Otherwise, the device may become damaged.

## Technical Specifications

Model	SWS51
Power Supply	Replaceable 2 × 1.5 V AAA batteries
Operating Life	5 years
Connection Distance (in open air)	1,640 ft (500m)
Battery Life	3 years
Sensor Type	Sensor probe
Operating Temperature	32–122°F (0–50°C)
Operating Relative Humidity	≤ 90% RH (non-condensing)

Alarm Volume	110 dB
Waterproof Rating	IP66

## Troubleshooting

Problem	Cause	Solution
The device does not respond when the Test button is pressed.	The device is not activated.	Press and hold the Test/Silence/Pair button for 3 seconds to activate the device
	The batteries have run out.	Replace the batteries.
The device does not sound when there is a water leak.	The “Enable Alarm Sound” switch is toggled to OFF.	Toggle the “Enable Alarm Sound” switch to ON.
	The batteries have run out.	Replace the batteries.
	The device is placed on an unlevel surface.	Place the device on a level surface.
A false alarm occurs.	There is water in the device or it is triggered by metal objects	<ul style="list-style-type: none"> <li>• Touching the sensor probes with moist hands will cause an alarm.</li> <li>• Some water spills, such as while washing hands, can cause an alarm, especially when using the device in a bathroom.</li> <li>• High humidity may cause a false alarm.</li> <li>• A metal object connecting the two probes will cause an alarm.</li> </ul>
The alarm sound is low.	Water entered the buzzer.	The device itself is waterproof, and water that goes into the buzzer will not cause damage to the product. Please take the device in your hand and shake it a few times to remove the water from the alarm opening until the alarm sound returns to normal. Then, put the device back.
	The battery level is low.	Replace the batteries.
The app push notification is delayed	The app push notification permission is disabled.	Turn on the push notification permission on the phone.
	The base station is not within the	The distance between the base

or there are no push alerts.	network coverage of the router.	station and the router should be within 164 ft (50 m). Please ensure that the base station is always within the network coverage of the router.
	The communication between the water leak sensor and base station is not stable or they are too far apart.	Reduce the obstacles between the water leak sensor and base station. The maximum distance between the device and the base station in an open environment is 1,640 ft (500 m).
	The network connection between the router and the mobile phone is abnormal.	Keep the mobile phone close to the router. Make sure the network connection between the router and the mobile phone is normal.

## 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.

## RF Exposure Statement

This equipment complies with FCC/ISED RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20



centimeters between the radiator and your body.

## **Environmental Protection**

Waste electrical products should not be disposed of with household waste. Please recycle where facilities are available. Please check with your local authorities or retailers for recycling advice.

## **Manufacturer and Service Information**

X-Sense Innovations Co., Ltd.

Address: B4-503, Kexing Science Park, 15 Keyuan Road, Shenzhen, 518057, CHINA

Email: [support@x-sense.com](mailto:support@x-sense.com)