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**X-SENSE** |  **Link+ Pro**



**XS01-M**

# User Manual

## **Link+ Pro Smoke Alarm**

F.1.05.XS0172 V1.0

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

## Introduction

Thank you for your purchase. This smoke alarm complies with the UL 217 safety standard and is designed to detect smoke. Multiple XS01-M smoke alarms can be connected to the X-Sense SBS50 base station using the X-Sense Home Security app. After connecting to the base station, these alarms will be interconnected, so when one alarm is triggered, all will sound an alarm.

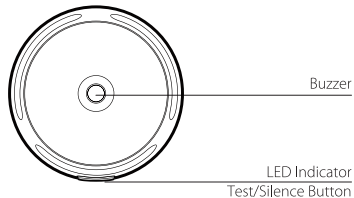
### **This alarm supports Link+ Pro. Please note the following:**

1. *Only devices that are advertised as supporting Link+ Pro can be connected to the app via the base station.*
2. *Link+ Pro supports both base station connection and a customizable wireless network as separate networks. You can only connect a device to one of them at a time. If you connect them to the base station, you'll receive app notifications but lose the customizable wireless network. Choosing the customizable wireless network*

*means disconnecting from the base station and losing app notifications. Wireless interconnection is supported regardless of your choice.*

3. *This device can be interconnected with other Link+ series devices to create a customizable wireless network.*
4. *Switching between the base station and customizable wireless network is simple and can be done at any time by following the corresponding adding method.*
5. *Please note that the interlinked test function is not supported by the base station.*

## Product Overview



## Package Contents



Alarm Unit



Mounting Bracket



Screws



Anchor Plugs



User Manual



Batteries  
(pre-installed)

## Safety Information

Dangers, warnings, and cautions alert you to important installation and operating instructions, or potential hazards. Please pay attention to the situations.

### **⚠ IMPORTANT**

1. This device is not designed for hearing-impaired people. Use of alcohol or drugs may impair one's ability to hear the smoke alarm.
2. Fires in chimneys, walls, roofs, or behind closed doors may not be detected.
3. This device is not intended for detecting flames, heat, carbon monoxide, or other hazardous gases.

### **⚠ WARNING**

1. Never ignore an alarm. Failure to respond can result in serious injury or even death.
2. The silence feature is only for your convenience and will not correct a problem. Always check your home for any potential hazards every time an alarm sounds.
3. Test this smoke alarm once a week. If the alarm fails to test correctly, replace it immediately! If the alarm is not working properly, it will not alert you to a problem.

## Device Setup

### Download the X-Sense Home Security App



Download on the  
App Store



GET IT ON  
Google Play

*Make sure your smartphone supports iOS 11 and higher, or Android 8.0 and higher.*

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.

### Before connecting devices, make sure that:

1. You know your Wi-Fi network name and password.
2. You are connecting your base station and smoke alarms using a 2.4 GHz Wi-Fi network (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 devices are as close to the router as possible, which can speed up device configuration.*

### Connect the Link+ Pro Smoke Alarm to the Base Station

The Link+ Pro Smoke Alarm can be connected to the base station through the wireless network. When the alarm 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 "⊕", select "Smoke Alarms", and then select "Link+ Pro Smoke Alarms (working with SBS50 Base Station)" in the product list. Then, tap "Next" to enter the pairing page.
2. Follow the prompts on the page by pressing the test/silence button twice on the side of the smoke alarm until the red LED flashes 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 smoke alarm 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 smoke alarm 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.*

## Interconnect the Alarms Without Adding to the Base Station

If you don't want to add the smoke alarms to the base station, you can connect the smoke alarms using RF technology to create an interconnected alarm system. However, you will no longer be able to receive push notifications on your phone from the X-Sense Home Security app.

**NOTE: The XS01-M smoke alarms can be connected to the X-Sense Link+ Pro and Link+ alarms using wireless interconnection without being connected to the base station.**

### How to Set Up and Interconnect Wireless Alarms

The wireless interlinked alarms contain a built-in RF module that enables you to wirelessly connect 2 or more interlinked alarms and create an interlinked network. When one unit is triggered, all interconnected alarms will sound. The X-Sense wireless interconnected alarms contain wireless interlinked smoke alarms, wireless interlinked carbon monoxide alarms, and wireless interlinked combination smoke and carbon monoxide alarms. This model is designed to be wirelessly interlinked with other X-Sense alarms, but is not designed to communicate with wireless interlinked alarms from other manufacturers.

The X-Sense wireless interlinked alarms in one multi-pack have already

been interconnected, and the alarms in each multi-pack have their own independent interlinked network. If you have more than one multi-pack, you will need to connect them all to the same network. Choose one multi-pack as your base network and connect the other multi-packs to it.

**NOTE: The following instructions regarding wireless interconnection are applicable to the X-Sense Link+ Pro and Link+ wireless interlinked alarms only.**

### How to Interconnect

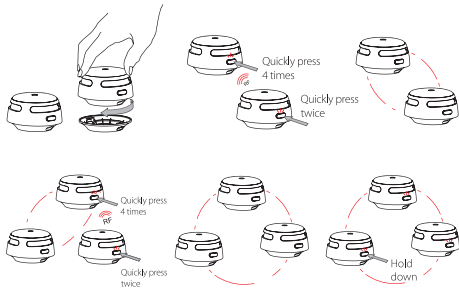
1. Make sure you only work with 2 units at a time, and make sure that they are both turned on to ensure successful connection.

**NOTE: To turn on XS01-M, pull out the battery insulating film from the battery compartment. To learn how to turn on different models of wireless interlinked alarms, please refer to their specific user manuals for more details.**

2. Quickly press the test/silence button on one of the 2 units 4 times; it will beep once and the red LED will flash slowly, indicating it has entered pairing mode and is waiting for a new unit to be added. Quickly press the test/silence button on the other unit twice; it will beep once and the red LED will flash rapidly, indicating it is searching for a device to connect to.
3. After the search is successful and an interconnected group is created,

both units will beep once and automatically exit the interconnection mode. At this point, both units will only flash once 60 seconds, indicating they are in normal standby mode.

4. If you want to connect a third alarm to this group, first activate a new device by pulling out the battery insulating film, then quickly press the test/silence button on either of the 2 previously interconnected units 4 times. This unit will beep once, and the red LED will flash slowly, indicating it is ready to add a new device to the network. Next, quickly press the test/silence button on the new unit twice, and the red LED will flash rapidly, as it searches for a network to connect to. After the third unit successfully joins the interconnected network, both units will beep once and automatically exit the interconnection mode.
5. If you want to connect more units, simply repeat step 4. Up to 24 alarms can be interconnected this way. **To ensure that all alarms enter the same interlinked network, make sure you only work with 2 units at a time—one unit enters the pairing mode and the other unit enters the searching mode.**
6. Test the alarms according to the steps in the section “Alarm Test.”



## NOTES

1. **The alarm will enter the searching mode or the pairing mode for 60 seconds with the red LED flashing. After 60 seconds, repeat step 2 to connect the alarms. If needed, press the test/silence button once while the alarm is in the searching mode or the pairing mode, and the red LED will stop flashing and the alarm will quit the pairing mode to enter normal status.**

2. *Test all wireless alarms to ensure they are interconnected before installation.*
3. *A maximum of 24 wireless alarms can be interconnected on the same network.*
4. *The model can only be interconnected with other X-Sense Link+ Pro and Link+ wireless interlinked alarms.*

### How to Disconnect

Quickly press the test/silence button 4 times; the smoke alarm will beep once. Then, hold down the button until it beeps once more to disconnect. After disconnecting, it can be reconnected to the same network, or added to a new network.

***NOTE: The X-Sense Link+ Pro wireless interlinked alarms in one multi-pack have already been interconnected. To create a new network, you will first need to disconnect each alarm individually in this multi-pack to avoid having them all join the same network.***

## Alarm Test

Be sure to test your alarms when you turn them on for the first time, or when the group configuration has changed. In addition to the weekly tests you should perform, it is recommended to test the alarm after returning from a long trip or vacation.

If your X-Sense XS01-M smoke alarm is interconnected to other wireless alarms, we recommend that every individual alarm is tested during the weekly test.

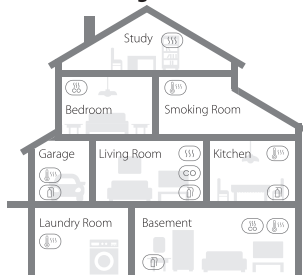
	Test a Single Alarm	Test All Interconnected Alarms
Action	Press the test/silence button. Or tap the Device Test button in its Device Settings page in the app.	Hold down the test/silence button.
Indication	<ul style="list-style-type: none"> <li>• The alarm will beep 3 times every 4 seconds.</li> <li>• The red LED will flash during the audible signal.</li> </ul>	<ul style="list-style-type: none"> <li>• The initiating unit will beep continuously with the red LED flashing.</li> <li>• Other interconnected alarms in the network will</li> </ul>

	<ul style="list-style-type: none"> <li>For devices connected to the base station, a push notification will be sent to your smartphone.</li> <li>Then the alarm will automatically enter standby mode.</li> </ul>	<p>receive the signal after 5 seconds, then they will beep continuously with the LED flashing red and green successively (red only for XS01-M). Release the test/silence button and all the units will stop testing.</p> <ul style="list-style-type: none"> <li>The testing of the units should be completed within 3 minutes.</li> <li>After testing, the units will automatically enter standby mode.</li> </ul>
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## NOTES

- The devices connected to the base station can only be tested individually. The interconnected devices that are not connected to the base station can be tested by holding down the test/silence button on one of the devices.**
- The test function accurately tests the alarm's smoke sensing circuit without the need to test with smoke. If your smoke alarm fails to give an audible test signal, please refer immediately to the troubleshooting guide at the end of this manual. Never use an open flame to test this device.**

## Installation Positioning

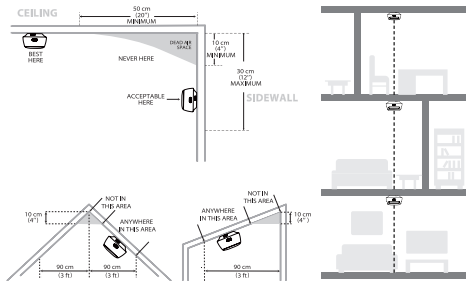


-  Smoke Alarms
-  Smoke & Carbon Monoxide Alarms
-  Carbon Monoxide Alarms
-  Heat Alarms
-  Fire Extinguishers

**NOTE: If a smoke alarm is installed in a kitchen, ensure it has an accessible silence button, and install it as far away from the stove and sink as possible to avoid false alarms.**



1. Prioritize the installation of an alarm in the bedroom and hallways, and make sure you can hear the alarm from all sleeping areas. In a home with several bedrooms, install an alarm in every bedroom. If you install only one smoke alarm in your home, install the alarm near to all bedrooms where possible, and not in a basement or furnace room.
2. Install an alarm above the stairway and on every floor of the house.
3. Smoke, heat and anything burning will spread horizontally after rising to the ceiling, so install the alarm in the middle of the ceiling where possible. Ensure that the alarm is installed at the minimum distance away from corner.
4. If an alarm cannot be installed in the middle of a ceiling, install it at a distance of 20 inches (50 cm) away from the corners of the room.
5. If an alarm is installed onto a wall, a distance of 4-12 inches (10-30 cm) should be kept below the ceiling.
6. If the length of a room or hall is beyond 30 feet (900 cm), several alarms should be installed in the same room.
7. When the wall or ceiling is angled, the alarm needs to be installed within 3 feet (90 cm) of the highest wall or ceiling point (measured horizontally) in the room.
8. In multi-level houses or apartments, install at least one wireless smoke alarm on each level and keep them installed in a straight vertical line (see diagram) with as few obstacles between each of the interconnected alarms as possible to ensure optimal signal transmission.



### Locations to Avoid:

1. Near large metal surfaces and/or bundles of wire.
2. Near fluorescent lights, amateur radios, electrical equipment, or other devices that may transmit an RF signal, as electronic "noise" may cause nuisance alarms.

### **⚠ WARNING**

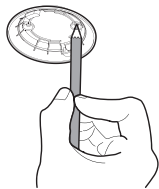
1. THIS ALARM SHOULD BE INSTALLED BY A COMPETENT PERSON.

- ALARMS SHOULD NOT BE USED AS A SUBSTITUTE FOR PROPER INSTALLATION, USE AND MAINTENANCE OF FUEL BURNING APPLIANCES INCLUDING APPROPRIATE VENTILATION AND EXHAUST SYSTEMS.
- TO PREVENT INJURY, THIS DEVICE SHOULD BE SECURELY ATTACHED TO THE CEILING OR WALL IN ACCORDANCE WITH THE INSTALLATION INSTRUCTIONS.
- BATTERIES SHOULD NOT BE EXPOSED TO EXCESSIVE HEAT SUCH AS DIRECT SUNLIGHT, FIRE, ETC.

## Installation Method

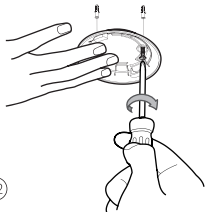
**NOTE: Before installation, it is recommended to test the interconnected alarms in the rooms where you intend to install them to ensure that they are within transmission range and that nothing will interfere with their communication.**

- Use the mounting bracket to mark the screw holes on the ceiling or the wall.
- Drill holes at the 2 marks using an appropriately-sized drill bit. Insert the anchor plugs and screw the mounting bracket using the screws provided.
- Attach the alarm to the mounting bracket and turn clockwise to lock the alarm.
- Test the alarm according to the steps in the section "Alarm Test."



01

02



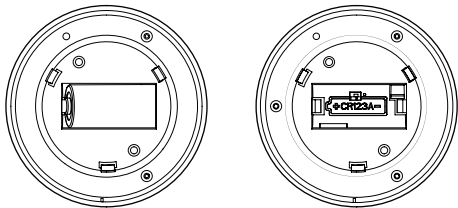
03

04



## Battery Replacement

1. To replace the battery, detach the smoke alarm from the mounting bracket by twisting counterclockwise.
2. Pull the battery removal tab to remove the battery, and then install a new battery, matching the correct polarity markings.
3. Test the alarm, and then mount the alarm onto the mounting bracket by twisting clockwise to lock the alarm.



## LED Indicator and Audible Alarm

Status	LED Indicator	Audible Alarm	Action	
Standby Mode	Red LED flashes once every 60 seconds.	None.		
Alarm Mode	Unit detects smoke and initiates an alarm.	Red LED flashes 3 times every 4 seconds.	3 beeps every 4 seconds.	Dangerous smoke concentration is detected. Open nearby windows and doors, and immediately move to fresh air.
	All other interconnected units in the network.	<ul style="list-style-type: none"><li>• XS01-M: Red LED flashes 3 times every 4 seconds.</li><li>• Devices with a 2-color/3-color LED indicator: The LED flashes red and green 3 times sequentially every 4 seconds.</li></ul>	3 beeps every 4 seconds.	Dangerous smoke concentration is detected by the initiating unit in the network. Please find the initiating unit and take action.

		<ul style="list-style-type: none"> <li>• XS01-M: Red LED flashes 4 times every 5.8 seconds.</li> <li>• Devices with a 2-color/3-color LED indicator: The LED flashes red 4 times, then the LED flashes green once every 5.8 seconds.</li> </ul>	4 beeps repeating every 5.8 seconds.	Dangerous CO concentration is detected by the initiating unit, and has reached the alarm status. Please find the initiating unit and take action.
	Unit detected smoke and initiated an alarm.	Red LED flashes once every second for 5 seconds.	None.	Alarm cancellation: When the smoke concentration level drops below the alarm threshold, the alarm signal will stop. Then, the alarm goes back to the standby mode.

Test Mode	Test a single unit.	Red LED flashes 3 times every 4 seconds.	3 beeps every 4 seconds.	<ul style="list-style-type: none"> <li>• Press the test/silence button on the device.</li> <li>• Tap the Device Test button in the app (for devices connected to the base station).</li> </ul>
	Test all interconnected units.	Red LED flashes 3 times every 4 seconds.	Continuous beeping until you release the test/silence button.	Initiating unit. Hold down the test/silence button on one unit in the network.
		<ul style="list-style-type: none"> <li>• XS01-M: Red LED flashes 3 times every 4 seconds.</li> <li>• Devices with a 2-color/3-color LED indicator: The LED flashes red and green sequentially.</li> </ul>		Other interconnected alarms in the network.

Silence Mode	Red LED flashes once every 5 seconds.	None.	After 9 minutes, the unit will exit silence mode.
Low Battery	Red LED flashes once every 60 seconds.	1 beep every 60 seconds.	Replace the device immediately.
Malfunction	Red LED flashes twice every 60 seconds.	2 beeps every 60 seconds.	Please clean your alarm and see if it is working normally. If not, replace the device immediately.

## Alarm Mode

### For devices connected to the base station:

- When an alarm is triggered, an in-app message will appear and an alarm push notification will be sent to your smartphone.
- When one alarm is triggered, all devices connected to the system and the base station will sound an alarm simultaneously.
- The base station will automatically mute after 10 minutes of continuous alarm. After the base station stops the alarm, all devices in the

interconnected system will still alarm.

- In the case that the base station powers off and is disconnected from the network, all devices are still interconnected, so when one alarm is triggered, all will go off.
- The volume level of the base station is adjustable. The alarms and base station can be remotely muted through the app. An app push notification will be sent to your phone when the smoke drops below the alarm threshold.

### 1. If the Initiating Unit Is Triggered by Smoke:

When one XS01-M smoke alarm is triggered in the interconnected network, the unit will beep 3 times every 4 seconds, paired with red LED flashing. Any other units will follow suit—they will beep 3 times every 4 seconds, paired with the LED flashing red and green in succession (or only red LED flashing for XS01-M). When the smoke concentration level drops below the alarm threshold, the alarm will cease.

### 2. If the Initiating Unit Is Triggered by CO:

When one CO alarm is triggered in the interconnected network, the unit will beep 4 times every 5.8 seconds, paired with the LED flashing red. Any other units will follow suit—they will beep 4 times every 5.8 seconds, paired with the LED that flashes red 4 times first, followed by the LED that flashes green once with every beep (or only red LED flashing for XS01-M). When the CO concentration level drops below the alarm threshold, the alarm will cease.

For more details, please see “LED Indicator and Audible Alarm”.

## NOTES

- When one unit is triggered, other interconnected units will sound. If the smoke alarm and CO alarm are triggered in the network at the same time, the alarm signal of the smoke alarm will take priority over that of the CO alarm.*
- This alarm has a relay function that extends the wireless interconnected network for wide detection coverage.*

## Silence Mode

You can silence the device by pressing the test/silence button on the device or tapping the silence button in the app.

If you press the silence button during an alarm state, the unit will be in the silence mode for 9 minutes. During the silence mode, the red LED will flash once every 5 seconds. The alarm will enter the normal mode after 9 minutes.

## NOTES

- You can silence all interconnected units by pressing the test/silence button on one of the units. If one unit is still alarming, it is the initiating unit (the unit that detected danger); to silence all interlinked units, you must also press the test/silence button on the initiating unit.*
- While interconnected, the initiating unit cannot be triggered again during the 9-minute silence duration. However, all other interconnected units can be triggered again if they detect danger during the silence mode.*

## Technical Specifications

Model	XS01-M
Power Supply	Replaceable 3 V CR123A lithium battery
Product Life	10 years
Battery Life	5 years
Sensor Type	Photoelectric
Safety Standard	UL 217
Operating Temperature	40–100°F (4.4–37.8°C)
Operating Relative Humidity	≤ 85% RH (non-condensing)
Alarm Loudness	≥ 85 dB at 10 ft (3 m) @ 3.2 ± 0.3 kHz pulsing alarm
Silence Duration	About 9 minutes
Operating Frequency	915 MHz
Maximum Number of Interconnected Units	24 wireless units (only compatible with X-Sense Link+ Pro and Link+ wireless alarms)
Connection Distance (in open air)	1,640 ft (500 m)

## NOTES

- 1. Battery life is calculated on the current ratings in the standby mode with weekly testings. If its operation mode changes to an alarming condition, the battery life will be decreased accordingly.**
- 2. The smoke alarm functions between 40 and 100°F (4.4 and 37.8°C). Prolonged exposure to temperatures outside of this range can reduce battery life and affect accuracy. We do not recommend operating the device outside of this range.**

## Maintenance

To keep your smoke alarm in good working order, follow these simple steps:

1. Verify the unit's alarm sound and indicator are working properly by testing the unit once a week.
2. As a minimum your smoke alarm should be cleaned once every 3 months: Remove the unit from the ceiling and clean the alarm cover and vents with your vacuum cleaner fitted with the soft brush attachment to remove dust and dirt.
3. Never use detergents or other solvents to clean the unit.
4. Avoid spraying air fresheners, hair spray or other aerosols near the alarm.
5. Do not paint the unit. Paint will seal the vents and interfere with the sensor's ability to detect fire.

6. Never attempt to disassemble the unit or clean inside. Doing so will void your warranty.
7. When removed, place the smoke alarm back in its proper location as soon as possible, to assure continuous protection from fire.
8. When household cleaning supplies or similar contaminants are used, the area should be ventilated.

## Troubleshooting

PROBLEM	CAUSE	SOLUTION
The device is not triggered when it is tested with smoke.	The smoke is not reaching the sensor properly.	The smoke needs to enter the smoke sensor from the metal mesh on the side to trigger the device.
	The time duration is insufficient for the device to detect smoke.	Continuous smoke is necessary for the device to be triggered. When smoke reaches the smoke sensor, the device will be triggered in about 20 seconds.
	The smoke concentration is low.	Sufficient smoke concentration is required for the smoke alarm to detect smoke. The greater the smoke concentration is, the faster the alarm will respond.

The device does not sound during testing.	The device does not turn on.	Please ensure the battery insulating film is removed and the device is turned on. If the battery runs out, replace the battery immediately.
	You don't push the test/silence button firmly.	Make sure you push the test/silence button firmly.
	The device is improperly installed.	Check the installation positioning. The wireless signal might be blocked or out of range.
False alarms are triggered intermittently or when residents are cooking, taking showers, etc.	The device is improperly installed.	Install the device far away from kitchen appliances, dusty places, shower areas, and locations where the temperature is over 100°F (37.8°C) or below 40°F (4.4°C). Check the location of your alarm (see " <b>Installation Positioning</b> ").

	The device is clogged by dirt and dust.	Clean the device periodically (see " <b>Maintenance</b> ").
Red LED flashes and the alarm sounds 1 beep every 60 seconds.	Low battery.	The battery is low. <b>Replace the battery immediately.</b>
Red LED flashes and the alarm sounds 2 beeps every 60 seconds.	Malfunction.	The alarm is malfunctioning. Please clean your smoke alarm and see if it is working normally. If not, <b>replace the device immediately.</b>



## 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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