



User Guide

Zimi Smoke Connect ZSC-RF

Smoke Alarm. Wireless Interconnect.
Photoelectric. Non Removable
10 Year Lithium Battery only.




Welcome

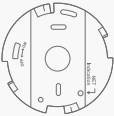
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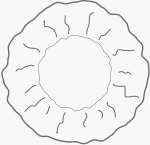
In the Box




Smoke Alarm
(wireless)



Mounting Bracket
(attached to smoke alarm)



Dust cover
(removable)



2 x Screws
2 x Plugs

Overview

The Zimi Smoke Connect RF (ZSC-RF) is a wireless interconnect, photoelectric smoke alarm with a non removable 10 year lithium battery.

Scan the QR code to learn more.



Safety first

Warning:

These instructions contain important information on the correct installation and operation of your smoke alarm, read them fully before attempting installation and retain them for future reference.

- Observe and follow all local and national electrical and building codes for installation.
- This product must only be used for the purpose described in these instructions and must be installed in accordance with regulations in local regions.
- The alarm should not be exposed to steam or splashing and that no objects filled with liquids shall be placed in close proximity.

Failure to follow these instructions may result in death or serious injury.

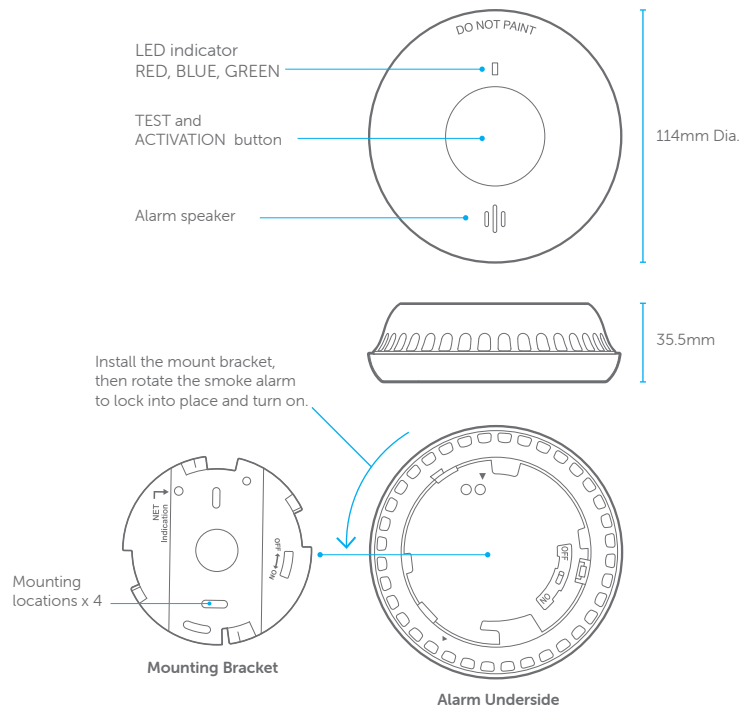
Cautions

The sound of the alarm requires your immediate attention and action.



- If the alarm sounds, and it is not being tested, it means the unit detected smoke.
- Before using the silence function, identify the source of the smoke and ensure conditions are safe. The unit will resume normal operation after 10 minute silence.
- DO NOT use an open flame to test your alarm, you could damage the alarm or ignite combustible materials and result in a fire.
- Turn on the unit and ensure it is working before attaching to the mounting bracket.

Smoke Connect RF



Specifications

Detection method	Optical
Power Supply	Built-in DC3V Lithium battery. Non Replaceable.
Battery Lifetime	10 years
Monitored area	40 m ²
Operating temperature	0 °C - 40 °C
Operating Humidity	< 93 %
Date of replacement	See product label
Individual alarm indicator	Yes
Silence feature (hush mode)	Yes Hush time: 10±1 minutes
Low battery warning	Yes
Low battery silence facility	Yes Hush time: 10 hours
Caravan & Motor Home	Not suitable.
Mounting Location	Ceiling or wall
Inter-connectable	Yes. Maximum of 7 devices
Wireless frequency	433.42MHz
Wireless distance	Maximum 100 metres in free field
Local smoke alarm sound pattern:	ISO 8201 BI 0.5s - pause 0.5s - BI 0.5s - pause 0.5s - BI 0.5s - pause 1.5s, with the RED LED flash, repeat this alarm pattern.
Wireless alarm sound pattern	Beep Beep - pause 1s, with NO RED LED flash, repeat this alarm pattern.

Using the smoke alarm.

Function	Visual Indication	Audio Indication
EMERGENCY		
Local Alarm Detected Smoke	Flashes once per second for 3 seconds, pauses for 1.5 seconds then cycles again.	Siren once per second for 3 seconds then pause 1.5 seconds then cycle again.
Paired Wireless Alarm	None	Continuous 2 beeps every 1 second.
NORMAL OPERATION		
Standby Status	The RED LED flashes every 40 seconds.	None
SILENCE THE ALARM		
Silence Feature (Hush Mode) <ul style="list-style-type: none">This smoke alarm has a built-in Silence feature.	The RED LED flashes every 8 seconds.	None
If cooking or other non-hazardous sources cause the alarm to sound, it can be temporarily silenced by pressing the HUSH button		
The alarm enters silence mode for 10 minutes. After the 10 minute dormant period, the smoke alarm will resume normal operation.		

Function	Visual Indication	Audio Indication
TESTING		
Test (Button Pressed On Direct Unit) <ul style="list-style-type: none">Test by pressing the TEST button on the smoke alarm for at least 5 seconds.The alarm will sound if all electronic circuitry, horn and battery are working properly. If no alarm sounds, refer to "Troubleshooting".	Flashes once per second for 3 seconds, pauses for 1.5 seconds then cycles again.	Siren once per second for 3 seconds then pause 1.5 seconds then cycle again.
Test (Wireless Paired Unit) Alarm being tested signals others in the network	Flash twice every 1 second for duration of 5 minutes.	Beep twice for 10 seconds.
FAULTS & WARNINGS		
Low Battery Warning Need to replace for a new smoke alarm	The RED LED flashes every 40 seconds.	Beep every 40 seconds.
Connected Low Battery Warning (Connected device battery is running low)	1 flash every 3 hours.	1 beep every 3 hours.
Low Battery Warning Silence Feature (Low battery warning is muted)	The RED LED flashes every 40 seconds.	None
Internal Fault Warning Need to replace smoke alarm	None	Beep every 40 seconds.

Recommended Locations

Always follow the Building Code of Australia and local building codes when installing smoke alarms for compliance and optimal performance.

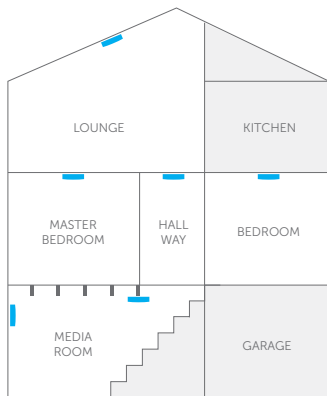


Figure 1

Homes and Residential

- Mount alarms close to the centre of rooms, ideally on the ceiling for residential settings (see Figure 2).
- Prioritise placement near sleeping areas, bedrooms, and paths leading to exits.
- For hallways longer than 9 metres, install alarms at both ends.
- On ceilings, position alarms at least 300mm away from walls or corners (see Figure 3).
- Install alarms in rooms where electrical appliances are used.
- Refer to Figures 1 - 5 for recommended locations.



Figure 2

Wall Mounting

- Use the inside wall of the room.
- Position them between 300mm and 500mm from the ceiling (see Figure 3).

Angled Ceilings

- Place at least 500mm away from the apex.
- No greater than 1500mm from the apex.
- (see Figure 4).

Multi Storey

- Install alarms on every floor level.
- Recognise stairwells as potential smoke channels where alarms should be fitted.

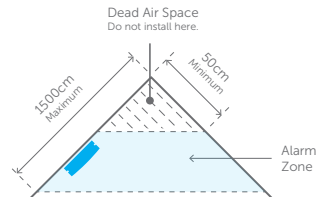


Figure 4

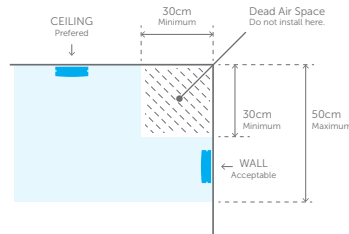


Figure 3

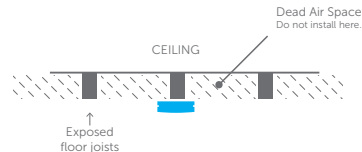


Figure 5

Locations to avoid

High Airflow

Keep away from air-conditioner ducts and appliance or heater outlets. Do not place within 1 metre of such outlets to avoid the risk of false or nuisance triggers.

Kitchen Areas

Avoid due to potential false alarms from cooking fumes, smoke or heat particles. (see Figure 1 & 2).

Humidity & Temperature

Avoid damp or extremely humid areas (humidity >90%). Avoid areas with temperature variations below 0°C or above 40°C. This can affect performance and battery life.

Dead Air Space

Avoid areas where smoke might not reach the alarm. Install more than 500mm away from the peak of an 'A' frame (see Figure 3, 4 & 5).

Garages

Avoid garages due to vehicle engine emissions causing nuisance triggering (see Figure 1).

Environmental Factors

Avoid dusty zones or those prone to insect infestation to reduce nuisance triggering or premature unit failure.

Electronic Interference

Avoid other electrical devices or fluorescent lights to prevent false triggers for Battery operated device.

Installation

Wireless Alarm Installation

1. Plan out and select the appropriate locations for the alarms to be installed following building code or local requirements.
2. PAIR all the wireless alarms before mounting them. See page 12-13.
3. The switch on the rear of the unit can either be turned on by hand, or the mounting bracket can be used to turn the alarm on by inserting it and turning (see Figure 7).
4. To 'Pair the Alarm' see page 12-13, then follow Step 4.
5. Once the alarms are paired and the network created, take alarms to the mounting locations, mark out positions, drill 5mm holes and install ceiling plugs (see Figure 6) and assemble them to the mounting brackets.

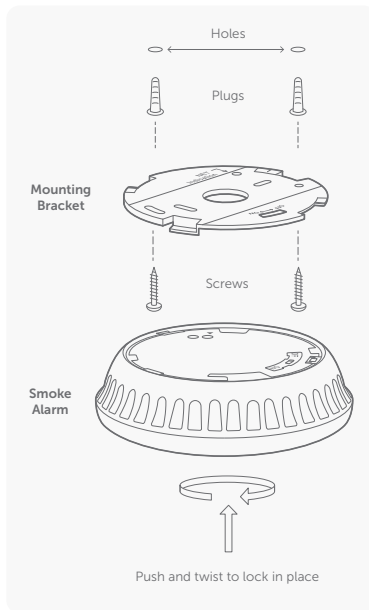


Figure 6

Switching on the Alarm

Switch Location

The switch on the rear of the unit can either be turned on by hand, or the mounting bracket can be used to turn the alarm on by inserting it and turning. (If turning on by hand make sure it is switched off before mounting it back into the bracket at installation (see Figure 7).

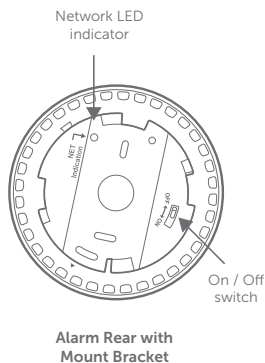


Figure 7

Pairing the Alarm

Step 1.

Wired Alarm + Smart Module.

- Choose a wired alarm (ZSC-MW) with the smart wireless module (ZSC-SS) installed.
- Press the TEST button 3 times quickly to turn alarm into pairing mode, the RED LED will flash.
- The wired alarm (ZSC-MW) exits pairing mode after 5 minutes, so it is suggested to prepare to pair multiple wireless alarms (ZSC-RF) in sequence for pairing.

Step 2.

Wireless Alarm Pairing Mode.

- Check the wireless alarm (ZSC-RF) is switched on (see Figure 7) and working by pressing and holding the test button for approximately 2 seconds, the alarm test sequence will sound after a short delay.
- Then press 3 times in fast succession to place the alarm into pair mode.
- The newly paired alarm LED will flash RED and then GREEN for approximately 3 seconds indicating it is paired.

Step 3.

Confirm And Finish Pairing.

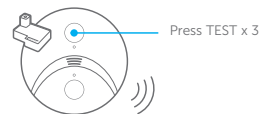
- Repeat Step 2 for other wireless alarms (ZSC-RF) for further pairing or Step 4 if multiples alarms have been paired while the wired alarm is in pairing mode.
- To confirm if the network has been created, check and confirm the status of each alarm prior to assembling to the mounting bracket. The Network LED indicator on the rear of the unit will show the following status:
 - RED (not network established yet),
 - BLUE (alarm is trying to pair to others)
 - GREEN (alarm is paired)

Step 4.

Exit Pairing Mode.

- When the wireless alarms are successfully paired, press the test button on the wired alarm to exit the mode.
- Once the alarms are paired and the network created, the alarms can be installed. See page 11.

Step 1 Wired



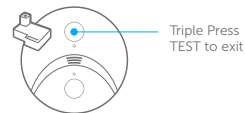
Step 2 Wireless



Step 3

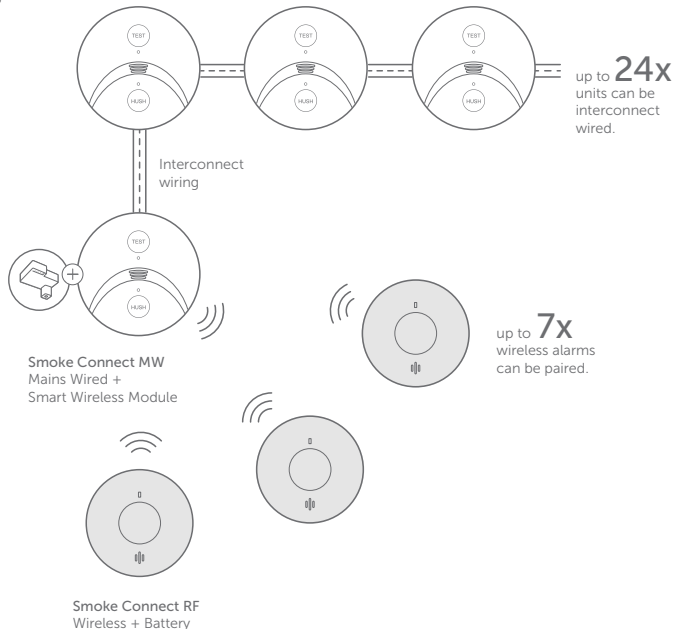


Step 4 Wired



Network Configuration Example

Figure 8



Disconnecting

Resetting To Factory Settings

1. Remove the alarm from the mounting bracket and ensure the switch on the rear is in the OFF position
2. Press and hold the test button and simultaneously turn the switch to the on position, the RED LED will illuminate for 3 seconds
3. Once the RED LED has turned off release the TEST button. The RED LED will then turn on again for 3 seconds. While the LED is illuminated press the TEST button momentarily and the alarm will un-pair from the master. The RED LED will then flash for several seconds before turning off.
4. Once the RED LED has stopped flashing the Alarm has been returned to factory settings. Please note that the alarm can be paired and un-paired indefinitely.
5. The smoke alarm can be switched off again by turning the switch on the rear to the off position (see Figure 9).

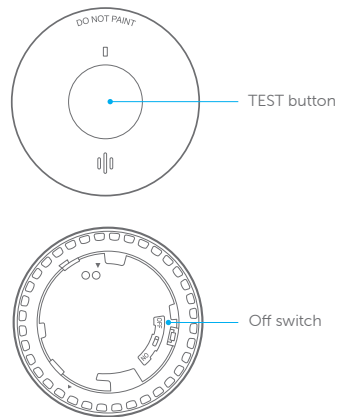


Figure 9

Important Notes

Cleaning And Maintenance

Smoke Alarms are prone to dust and insect ingress which can cause false alarms. It is prudent to clean the smoke alarm periodically. Any insects or cobwebs in the vicinity of the Smoke Alarm should be promptly removed. Vacuum the outside of the Smoke Alarm to remove any dust build up. Do not spray any cleaning liquids directly onto the smoke alarm.

Periodically Test The Alarm

Smoke Alarms are prone to dust and insect ingress which can cause false alarm, it is important to TEST the smoke alarm periodically.

Low Battery Mode

When the battery is running low, the smoke alarm will indicate this with a repetitive beep and flash for approximately 30 days.

WARNING: This smoke alarm is equipped with a non-replaceable battery. When this warning occurs, replace the device as soon as possible! The acoustic low battery warning signal can be muted for ten hours by pressing the test button.

The smoke alarm is still functioning and able to detect smoke when it's in this mode.

Hush The Alarm

When the smoke alarm has detected smoke and turns into the alarm mode, you can mute the alarm for approx 10±1 minutes by pressing the TEST button. After that, the smoke alarm automatically returns into the normal operation mode. If there are still particles of combustion in the air, the smoke alarm will turn into the alarm mode again.

WARNING:
Before hushing the alarm always identify the cause of the alarm and make sure that the circumstances are safe.

Fire Safety

Develop An Escape Plan

As part of your plan, all family members should know and/or practice:

1. The two quickest ways out of each room
2. How to exit from upstairs, for homes with a second storey. A rope or chain may be required.
3. An agreed upon meeting place outside, such as the letterbox.
4. Learn the sound of the smoke alarm and practice leaving your home when you hear it.
5. Practice a fire drill at least every six months including drills at nights. This allows you to test your plan before an emergency. You may not be able to reach your children. It is important that they know what to do!

What To Do If The Alarm Sounds

1. Alert any small children and elderly persons.
2. Leave immediately by your plan of escape. Every second counts, so don't waste time getting dressed or picking up valuables.
3. In leaving, don't open any inside door without first feeling its surface. If hot, or if you see smoke seeping through cracks, don't open that door! Instead, use your alternate exit. If inside door is cool, place your shoulder against it, open it slightly and be ready to slam it shut if heat and smoke rush in.
4. Stay close to the floor if air is smoky. Breathe shallowly through a wet cloth if possible.
5. Once outside, go to your selected meeting place and make sure everyone is there.
6. Call the Fire Department on 000.
7. Don't return to your home until officials say that it is safe to do so. For further information on fire safety contact your local Fire Department.

Troubleshooting

Problem	Cause and Remedy
The RED LED does not flash every 40s	Ensure the alarm is switched on and inserted on base correctly.
Smoke alarm does not sound when tested	Ensure the alarm is switched on and inserted on base correctly.
Low battery warning	Replace with a new smoke alarm.
False alarm	<ul style="list-style-type: none">• Press the HUSH button to silence it.• Clean smoke alarm device.• Move the smoke alarm device to new location.• Dust or insect contamination - vacuum around Smoke Alarm to remove web or insects or blow with cool air dryer to clear dust to prevent false triggering.

If the problem still exists, please return to your electrical wholesaler.

If the unit is out of warranty, please replace with a new alarm.

Caution: DO NOT REPAIR THE ALARM

Do not attempt to repair the alarm.
It will affect your warranty.

If the alarm is not operating properly, pack in a well-padded carton, and return it to the original place of purchase.



Disposal

Waste electrical products and batteries should not be disposed of with your other household waste. The alarm is ideally suited for disposal within the waste electronic and electrical equipment (WEEE) recycling scheme. Please recycle where facilities exist. Check with your local authority, retailer or contact our Technical Support team for recycling/ disposal advice as regional variations apply.

7 Year Manufacturer's Warranty

This product has been manufactured to the highest quality standards. This product is warranted to the original purchaser and is not transferable.



The product is guaranteed to be free from defects in workmanship and parts for a period of 7 Years from the date of purchase. Defects that occur within this warranty period, under normal use and care will be repaired, replaced or refunded. The benefits conferred by this warranty are in addition to all other rights and remedies of the consumer under Commonwealth, State and Territory laws in relation to the goods or services to which this warranty relates and Australian Consumer Law. Risk in regard to the product to be repaired shall at all times remain with the Purchaser.

The warranty is given on the condition that the product to which it applies is used for the purpose and in the manner intended by its construction and for no other purposes whatsoever. Zimi Ltd shall not be responsible for damage of any kind, caused by accidents, power surges, electrical storm damage, incorrect power current, infestation (vermin or insect), incorrect installation, incorrect electricity or plumbing installation, improper use of controls or failure to use the product in accordance with the operating instructions, general misuse or abuse or from normal wear and tear. Any attempt by an unauthorised person to repair or tamper with the equipment shall render the warranty null and void.

Zimi Ltd's liability under this warranty is limited to the replacement and/or repair of the defective parts within the warranty period and does not extend to installation or removal of the product. Acceptance of liability by Zimi Ltd contained herein is to the exclusion of any other remedy whatsoever and howsoever arising in respect of any equipment to which it applies.

Zimi Smoke Connect

These instructions contain important information on the correct installation and operation of your smoke alarm, read them fully before attempting installation and retain them for future reference.

