interlight

red SMOKE ALARMS

YOUR SMOKE ALARMS Owner's guide

How your Red Smoke Alarms work, how to look after them, and what Queensland law requires.

Your home is now fitted with **photoelectric, interconnected Red Smoke Alarms**, installed by Interlight. Photoelectric alarms are best at picking up the slow, smouldering fires common in homes. Because they are interconnected, **when one alarm detects smoke, every alarm in the home sounds** – so you hear it wherever you are. Please keep this guide with the property.

WHAT'S BEEN INSTALLED

R10RF

10-Year Lithium Wireless Smoke Alarm



- Photoelectric smoke alarm with a sealed 10-year lithium battery – no battery changes, ever.
- Wireless (RF) interconnect with your other Red alarms and the RACP controller – no cabling needed.
- Test/Hush button on the cover. When the battery reaches end of life the whole alarm is replaced.

R240RC

240V Smoke Alarm with Rechargeable Backup



- Photoelectric alarm wired to mains power by a licensed electrician; green light = power on.
- Built-in rechargeable lithium backup keeps it working in a blackout (sealed – not replaceable).
- Interconnects by cable; becomes wireless when fitted to an RWB2 base (below).

RWB2

Wireless Base for 240V Alarms



- The mounting base your R240RC clips onto. Adds wireless (RF) interconnect to a hardwired alarm.
- Lets the 240V alarms talk to the R10RF alarms and the RACP controller.
- Mains powered, with its own sealed 10-year lithium backup battery.

RACP

Wireless Wall Controller



- Wall-mounted remote (lifts off its magnetic bracket) – no ladders or broom handles.
- Test all alarms, Locate the one sounding, Hush it, silence a low-battery chirp, and check alarm history (Memory "D").
- Runs on a replaceable CR2450 coin battery (about 2 years).

QUEENSLAND SMOKE ALARM LAW – IN BRIEF

Every alarm must be:

- **Photoelectric** and comply with **AS 3786:2014** (marked on the alarm) – no ionisation alarms.
- **Interconnected** with every other alarm, so they all sound together.
- **Hardwired (240V)** or powered by a **non-removable 10-year battery**.
- **Less than 10 years old** and working when tested.
- Homes with 240V alarms must replace them with 240V alarms.

Where alarms must go (on every storey):

- **In every bedroom** (or wherever people sleep).
- **In hallways that connect bedrooms** to the rest of the home – if there is no hallway, between the bedrooms and the rest of that storey.
- **On every storey** – a storey with no bedrooms needs at least one alarm on the most likely exit path.

When it applies:

1 Jan 2017	New homes and substantial renovations.
1 Jan 2022	Homes being sold, and rental homes at each new or renewed lease.
1 Jan 2027	**All other homes – including owner-occupied houses, townhouses and units.**

Rental properties:

- **Landlords** must test and clean every alarm (and replace any flat battery) **within 30 days before each tenancy starts or is renewed**.
- **Tenants** must test and clean the alarms at least once every 12 months during the tenancy, and report faults.
- Never remove, paint or cover an alarm.

Power cuts

The 240V alarms switch to their built-in backup battery automatically – you stay protected.

Keep the RACP handy

Keep it on its bracket somewhere central, away from water, heat and direct sun.

Adding or replacing alarms

New alarms must be paired into your wireless network – call us to add or swap them.

TEST MONTHLY

- Press and hold the **Test/Hush** button on any alarm for about 3 seconds until it sounds. **All the other alarms should sound too** – wireless alarms can take up to 30 seconds to join in.
- Easier: on the **RACP**, hold **TEST** for 3 seconds (green light stays on). Every alarm sounds within about a minute. Press TEST again to stop.
- If an alarm stays silent or the others don't join in, call us.
- Never test with a flame or smoke. After a test or hush, wait 10 minutes before testing again.

CLEAN EVERY 4–6 WEEKS

- Red Smoke Alarms recommends cleaning your alarms **every 4–6 weeks** to remove dust, insects and cobwebs – the most common cause of false alarms.
- Vacuum around the vents and cover with a **soft brush attachment**. Keep it up especially if the home is dusty, near bush, or after renovations.
- Don't spray cleaners, insect spray or compressed air at the alarm – it can push dust inside and cause false alarms.
- Press Test afterwards to make sure everything still works.

USING THE RACP CONTROLLER

When the alarms go off

1. Check for fire first. **If there is fire or smoke, get out** – see "If there's a fire".
2. Press **LOCATE / HUSH / SILENCE** once. Every alarm goes quiet **except the one that detected smoke**, so you can find it (about 2 minutes).
3. Once you're sure it's a false alarm, wait for the Hush light to flash (about 20 sec) and press again to **hush for 10 minutes**. You can also press Test/Hush on that alarm.
4. If smoke keeps building, the alarms will sound again.

Low-battery chirp at 3am?

- Press **LOCATE / HUSH / SILENCE** once to silence the chirp for **10 hours** – then sort out the cause (see the table).

Which alarm was it? (Memory "D")

- Hold the **Memory "D"** button for 3 seconds. Within about 25 seconds each alarm "replies": **silence** = no event, **1 beep** = low battery, **2 beeps** = fault, **3 beeps** = it detected smoke. Works on compatible newer alarms.
- A **green light flashing every 4 sec** on the RACP means its own CR2450 battery needs replacing.

WHAT THE SOUNDS AND LIGHTS MEAN

Red light blinks about every 48 sec	Normal – the alarm is working.
Green light on (R240RC)	Normal – mains power is on.
Loud alarm, no fire	**Nuisance alarm:** Usually steam, cooking, dust, insects, aerosol sprays, or humid/foggy mornings. Hush it, air the room, clean the alarm. If the same alarm keeps doing it, call us – it may need moving.
One chirp every 48 sec	**Low battery:** R10RF: battery is at end of life – the alarm needs replacing. R240RC/RWB2: check the power is on; if it continues, call us.
Two chirps every 48 sec	**Fault:** Clean and test the alarm. If it continues, call us.
Red light flashing every 4 sec	**Memory:** This alarm sounded in the last 72 hours – check why.

REPLACE EVERY 10 YEARS

- Smoke alarms wear out. Australian Standards and Queensland law require replacement **10 years from the manufacture date** – printed on the label on the back of the alarm.
- The R10RF, R240RC and RWB2 have sealed batteries, so the whole unit is replaced – no battery swaps.
- Also replace any alarm that fails a test.

IF THERE'S A FIRE

GET DOWN LOW · GET OUT · STAY OUT · CALL 000

- Shout "Fire!" to warn everyone. Crawl under smoke. Close doors behind you to slow the fire.
- Never go back inside. Call Triple Zero (000) from outside and ask for Fire.

Make an escape plan

- Draw your home and mark two ways out of every room.
- Pick a meeting place outside, such as the letterbox.
- Keep deadlock keys handy, and practise at night with the lights off.
- Make sure everyone, including children and visitors, knows the alarm sound.

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Questions, a false alarm that won't stop, or alarms due for replacement?

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Product manuals & support:
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General information only – always follow the manual supplied with your alarms. Interlight Pty Ltd · ABN 42 494 129 168. Red Smoke Alarms is a brand of KPS Australia Pty Ltd.