

Fireangel FA6620-R

FireAngel Optical Smoke Alarm User Manual

Model: FA6620-R

Brand: Fireangel

1. INTRODUCTION AND PRODUCT OVERVIEW

This manual provides essential information for the safe and effective use of your FireAngel FA6620-R Optical Smoke Alarm. Please read these instructions carefully before installation and retain them for future reference. This optical smoke alarm is designed to provide early warning of fire by detecting smoke particles.



Image: Front view of the FireAngel FA6620-R Optical Smoke Alarm, showing the test/silence button and FireAngel logo.

2. KEY FEATURES

- **Optical Sensing Technology:** The optical sensing chamber detects smoke as it enters the alarm, providing a fast response to slow-burning fires that produce thick white smoke.
- **Reduced Nuisance Alarms:** The advanced optical sensor is designed to be less prone to false alerts caused by cooking fumes, enhancing reliability.
- **10-Year Sealed Battery:** Equipped with a sealed battery that provides power for the entire 10-year lifespan of the device, eliminating the need for battery replacement.
- **Easy Installation:** Features a removable base plate for straightforward ceiling mounting. The base plate is compatible with ST-622/ST-620 models for easy replacements.
- **Safety Certified:** Holds CE and UKCA marks and is certified to BS EN 14604:2005+AC:2008, ensuring compliance

with safety standards.

- **Compact Design:** The alarm features a sleek, circular design that blends discreetly into home environments.
- **Sleep Easy Function:** Allows temporary silencing of low battery chirps for 8 hours, providing convenience during nighttime.



The image shows the FireAngel FA6620-R smoke alarm packaging and the alarm unit itself. The packaging is black with a red top section and features the FireAngel logo, 'SMOKE ALARM', 'OPTICAL SMOKE SENSOR', and '10 Year Battery Included'. It also lists three key features: 'Less fuss, no need to change the batteries', 'Optical Smoke Sensing Technology', and 'Silence known false alarms easily'. The alarm unit is circular with a white face and a black base, featuring a 'TEST' button and a speaker icon. A red badge in the top right corner of the image area states '10 YEAR BATTERY LIFE'.

FA6620-R Optical Smoke Alarm

**High-performance
smoke detector**

-  **10-year, lifetime battery**
-  **Loud, 85 dB(A) at 3 m alert**

(Replacement for the Fire Angel ST-622 / ST-620 smoke alarms)

Image: The FireAngel FA6620-R smoke alarm shown with its packaging, illustrating key features such as 10-year battery life, optical smoke sensing technology, and the ability to silence false alarms.

Compact design



- Optical smoke sensor 'sees' thick white smoke from slow-burning fires
- Less prone to false alarms
- Sleep Easy function mutes low battery alert for 8 hours

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Image: The FireAngel FA6620-R smoke alarm installed in a room, demonstrating its compact design and highlighting its optical sensor and Sleep Easy function.

3. INSTALLATION

Proper installation is crucial for the effective operation of your smoke alarm. Follow these steps carefully:

1. **Choose Location:** Refer to the "Placement Guidelines" section for optimal positioning. Avoid placing near bathrooms or kitchens to prevent nuisance alarms.
2. **Prepare Mounting Surface:** Ensure the ceiling or wall surface is clean and flat.
3. **Secure Base Plate:** Use the provided screws (not included, but typically required) to secure the removable base plate to the ceiling. The base plate has pre-drilled holes for easy alignment.
4. **Attach Alarm:** Align the smoke alarm with the secured base plate. Push and twist the alarm clockwise onto the base plate until it clicks securely into place.
5. **Test Alarm:** After installation, press the Test/Silence button to ensure the alarm is functioning correctly. A loud siren

should sound.

Easy installation



- **Fitted with a removable baseplate**
- **Secure baseplate to the ceiling**
- **Push and twist the alarm clockwise onto the baseplate to secure**

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Image: A hand demonstrating the easy installation process of the FireAngel smoke alarm, showing how it twists onto its base plate.

4. OPERATION (TESTING & SILENCING)

Regular testing ensures your smoke alarm is always ready to protect your home.

- **Monthly Test:** Press and hold the large central Test/Silence button until the alarm sounds. The alarm will emit a loud, piercing sound. Release the button once the sound begins. This confirms the battery and alarm circuitry are working.
- **Silencing Nuisance Alarms:** In case of a false alarm (e.g., from cooking fumes), press the Test/Silence button once to temporarily silence the alarm for approximately 10 minutes. The alarm will automatically reset after this period. If the smoke persists, the alarm will reactivate.
- **Sleep Easy Function:** If the alarm chirps intermittently due to a low battery warning during the night, press the Test/Silence button to mute the low battery alert for 8 hours. This allows you to address the issue during daylight

hours.

Ultimate home safety



- **Smoke alarms provide an early warning system for potential house fires**
- **FA6620-R holds CE and UKCA marks**
- **Certified to BS EN 14604:2005+AC:2008**

Image: The FireAngel FA6620-R smoke alarm, highlighting its compliance with UKCA and CE safety standards, indicating its suitability for home safety.

5. PLACEMENT GUIDELINES

Correct placement of your smoke alarm is vital for effective fire detection.

- Smoke detectors should be sited at least 300 mm (12 inches) from light fittings and walls.
- Install at least one smoke alarm on every level of your home, including hallways and landings.
- For optimal protection, consider installing alarms in living rooms and bedrooms.
- **Not suitable for kitchens and bathrooms:** The FA6620-R is an optical smoke alarm and is not recommended for installation in kitchens or bathrooms due to potential nuisance alarms from cooking fumes or steam.
- Suitable for domestic premises, including leisure accommodation vehicles (LAV).

Placement guidelines



Smoke detectors should be sited at least 300 mm from light fittings and walls



Suitable for leisure accommodation vehicles (LAV)



Not suitable for kitchens and bathrooms



Measures 118.1 x 31.5 mm

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Image: Visual guidelines for smoke alarm placement, indicating minimum distances from walls and light fittings, and noting areas where it should not be installed (kitchens, bathrooms).

6. MAINTENANCE

Regular maintenance ensures the longevity and reliability of your smoke alarm.

- **Monthly Test:** Press the Test/Silence button monthly to ensure the alarm is functioning.
- **Vacuum Every 3 Months:** Gently vacuum the alarm's vents every three months to remove dust and debris that could obstruct the sensor.
- **DO NOT use cleaners or solvents:** Never use cleaning agents, solvents, or harsh chemicals on the device. Wipe with a slightly damp cloth if necessary.
- **DO NOT paint the alarm:** Painting the alarm can block the sensor openings and prevent it from detecting smoke.
- **Cover during DIY:** Cover the alarm when performing dusty DIY tasks nearby, such as sanding or drilling, to prevent dust ingress. Remember to uncover it immediately after.



FireAngel **protect, save, and improve**
our customers' lives

Innovative, cutting edge technology

Protecting our nation's homes since 1998*

*Since 1998 we've deployed over 80 million safety products,
protecting over 25 million homes.

Image: A list of "For Best Results" tips, including monthly testing, quarterly vacuuming, avoiding cleaners/paint, covering during DIY, and troubleshooting advice.

7. TROUBLESHOOTING

If your smoke alarm exhibits unusual behavior, refer to the following common issues and solutions:

Problem	Possible Cause / Solution
Alarm chirps intermittently (once every 30-60 seconds)	This indicates a low battery warning. Press the Test/Silence button to activate the Sleep Easy function for 8 hours. Replace the alarm unit as soon as possible, as the battery is sealed and not replaceable.
Alarm sounds without visible smoke	This may be a nuisance alarm caused by cooking fumes, steam, or dust. Press the Test/Silence button to silence it. If it persists, check the alarm's location and ensure it's not near sources of steam or excessive dust. Vacuum the alarm as per maintenance instructions.

Problem	Possible Cause / Solution
Alarm does not sound during test	Ensure the alarm is properly twisted onto its base plate. If it still doesn't sound, the unit may be faulty or at the end of its lifespan. Replace the alarm immediately.
Alarm sounds continuously	This indicates the presence of smoke. Evacuate the premises immediately and call emergency services. Do not attempt to silence the alarm if there is a real fire.

8. SPECIFICATIONS

Specification	Detail
Model Number	FA6620-R
Sensor Type	Optical (Photoelectric)
Power Source	Sealed 10-year Lithium Battery (CR123A included)
Alarm Volume	85 dB(A) at 3 meters
Product Dimensions	11.8 cm (Diameter) x 3.2 cm (Depth)
Item Weight	138 Grams
Operating Temperature	Up to 38 Degrees Celsius
Operating Humidity	Up to 90% relative humidity
Certifications	CE, UKCA, BS EN 14604:2005+AC:2008
Included Components	1 x Optical Smoke Alarm, 1 x Instruction Manual, 1 x Baseplate

9. WARRANTY AND SUPPORT

Your FireAngel FA6620-R Optical Smoke Alarm comes with a**5-year warranty** from the date of purchase, covering defects in materials or workmanship under normal use. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or warranty inquiries, please visit the official FireAngel website or contact their customer service. You can find more information and products from FireAngel at their official store:

Visit the FireAngel Store

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question