

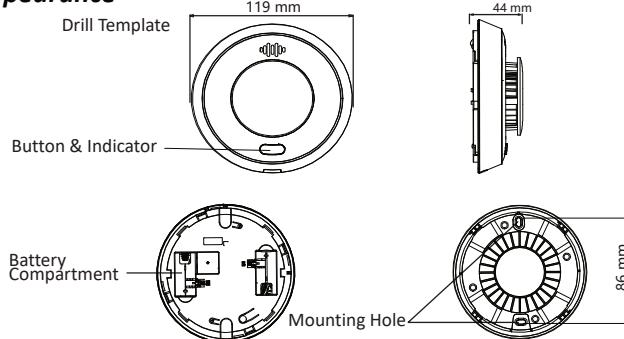


## Smoke Alarm User Manual

UD44204B-D

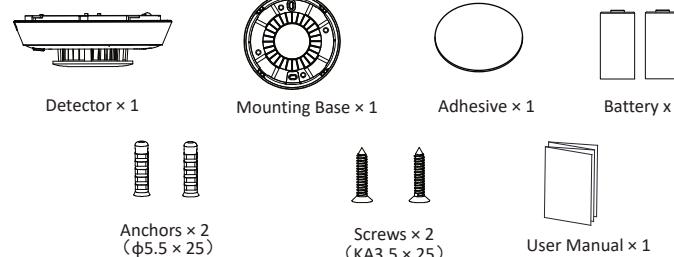
### Product Information

#### Appearance



#### Pack List

\*All device's appearances are subject to the one you bought.



#### Indicator & Buzzer

##### Operation Status

Mode	Indicator	Buzzer
Power On	Red, green, and yellow lights all flash once	1 quick beep
Standby	Green light flashes every 100s	Off
Fault	Yellow light flashes every 50s	Off
Low Battery	Yellow light flashes every 50s	1 quick beep
Network Fault	Yellow light flashes every 50s	Off
Smoke Alarm	Red light is always on	Quick beeps
Interconnected Smoke Alarm (HF-SG3-WF/R, HF-SG3-WF/RB)	Red light flashes	Quick beeps
Tamper Triggered	Yellow light flashes 3 times	Off
Tamper Reset	Green light flashes 3 times	Off
Updating	Green light flashes every 1s	Off
Updating Succeeded	Green light flashes 2s.	Off
Updating Failed	Red light flashes 2s.	Off

##### Self Check Status

Status	Indicator	Buzzer
Self Check Process	Red light is on for 5s	5 quick beeps
Result of self check is normal.	Green light flashes 2s	Off
Result of self check is fault (Low battery, pollution fault, sensor fault).	Yellow light flashes 2s	Off
Strong Signal	Green light flashes 2s	2 quick beeps
Weak Signal	Red light flashes 2s	3 quick beeps
No Signal	Red light is on for 2s	A long beep for 2s

#### Icon Definition

- |  |                           |  |                         |
|--|---------------------------|--|-------------------------|
|  | Green light goes solid.   |  | Red light goes solid.   |
|  | Green light flashes once. |  | Red light flashes once. |
|  | Green light flashes.      |  | Red light flashes.      |
|  | Yellow light flashes.     |  | Light is off.           |
|  | Buzzer beeps.             |  | Pairing                 |

### Wi-Fi Pairing & Interconnection

#### Wi-Fi Pairing

##### Step 1. Install the APP.

Scan the QR code below to install the APP.



##### Step 2. Power on smoke alarm and enter Wi-Fi pairing mode.

Remove the battery cover and plastic insulated bag, and then install the battery according to anode and cathode marks. After powering on, unpaired devices automatically enter the Wi-Fi pairing status. The Wi-Fi pairing mode lasts for 3 min. The red and green lights flash respectively.

\*Replace CR123A battery of major brands bought from supermarkets.

\*In standby mode, press and hold the self-check button for 3 sec until hearing a beep. Release the button, the red and green lights flash respectively. The device enters the Wi-Fi pairing status.

##### Step 3. Pair via APP.

Follow the guide to add smoke alarm devices on the app.

#### Exit Wi-Fi Pairing

During Wi-Fi pairing, press and hold the self-check button for 3 sec until hearing a beep. Release the button to exit.

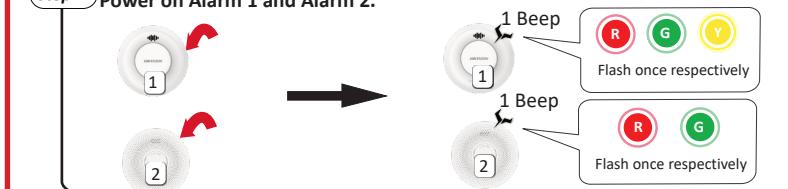
#### Interconnection

\*When pairing, all alarms need to be operated within 3 meters. The number of interconnected devices is limited ( $\leq 30$ ). Support HF-Link series products.

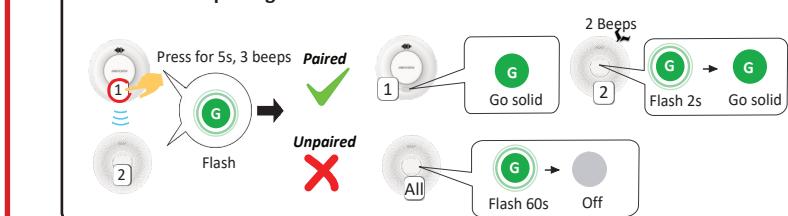
\*Before pairing, make sure all alarms are not paired with others. Format the alarm first if it is paired.

\*Make sure the Wi-Fi pairing is completed before interconnection.

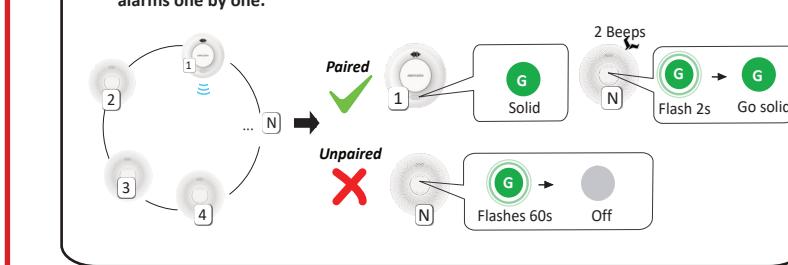
##### Step 1 Power on Alarm 1 and Alarm 2.



##### Step 2 Alarms are pairing and check the results.



##### Step 3 Power on Alarm 3/Alarm 4...Alarm N and add the alarm to the previous paired alarms one by one.



\*If the pairing times out, format the alarms to restart pairing.

#### How to Solve Unpaired Situation

If it is unpaired, you can

1. Check if the alarm is interconnected device.
2. Check if the working band is consistent with other devices.

#### Exit Interconnection

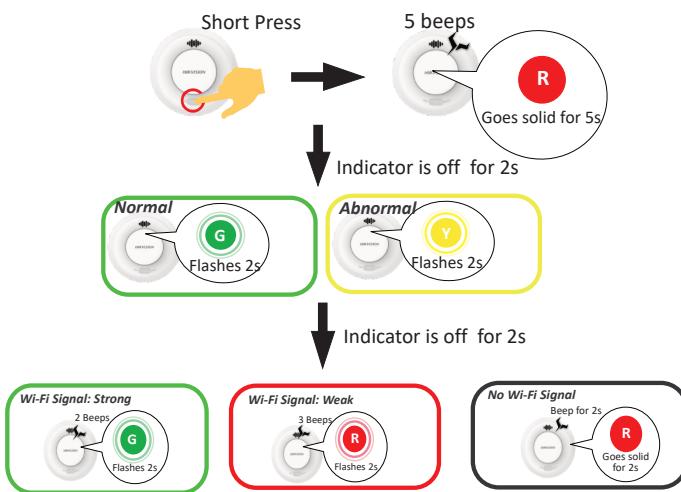
During Interconnection, press and hold the self-check button for 5 sec, and release the button to exit.

### Test

#### Self Check

In Standby status, short press the **Button**, alarm starts to self check.

**Test sequence:** Self check process - check result - signal result.

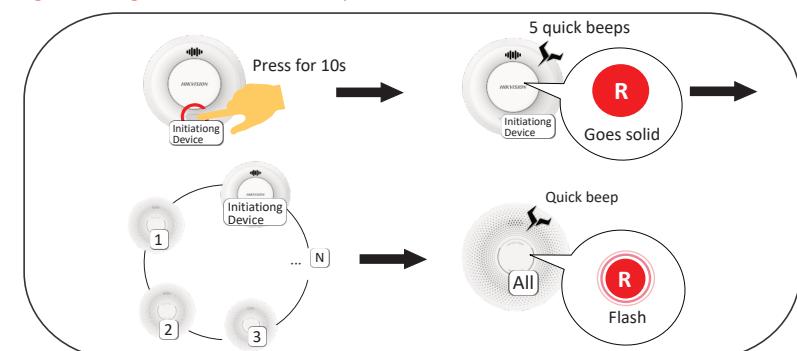


#### Stimulate to Alarm

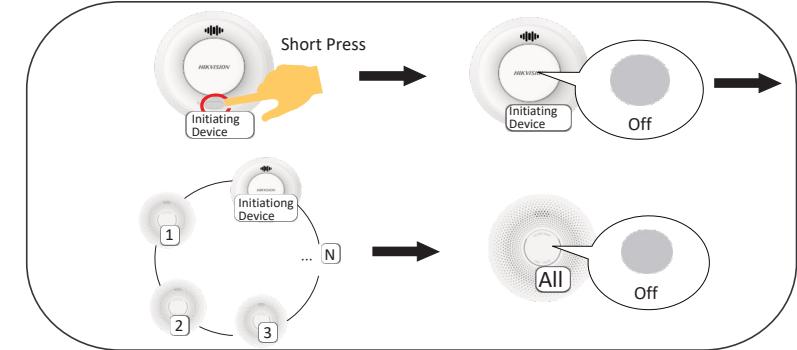
Simulate to alarm before installation to ensure the alarm can work properly. If not, please contact the supplier in time.

**Trigger:** Press the **Button** on any interconnected smoke alarm (initiating device) for 10s. The red light is on and buzzer beeps 5 times quickly. After other interconnected devices receive the signal in the group, they all start to alarm. Their red lights flash and buzzers beep quickly.

\*If the initiating device does not trigger other devices' alarms, please check the signal strength of the installation position.



**Mute:** Short press the **Button** on the initiating device to mute all alarms.



# Installation

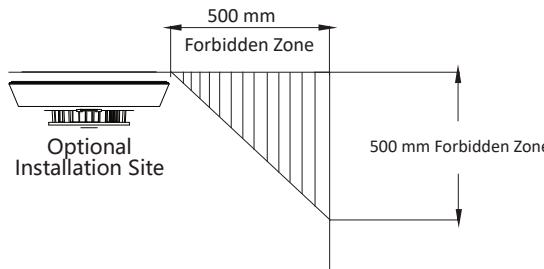
## Installation Location

### Notification

1. Before installation, confirm that the detector and other mounting parts are in good condition.
  2. The device should be operated by qualified personnel.
  3. Do not install the detector in new or renovated buildings until all work is completed. (Dust and debris from building work can contaminate the smoke chamber).
  4. Install multiple detectors if the installation location (such as ceiling) is longer than 32.81 ft (10 meters).
  5. The installation location should be at least 30 cm away from the path of strong electrical wires to prevent small insects from gathering due to phototaxis, causing smoke maze pollution and alarms.
  6. The installation of this device cannot replace proper installation.
- Where Not to Install:
    - Damp and humid areas such as kitchen, hot water heater, and bathroom.
    - Forced air supply ducts for heating or cooling, ventilating fans, or other high air flow areas.
    - Dusty, dirty, or insect infested areas.
    - Hot and greasy areas such as stoves.
    - Places within 1.64 ft (0.5 meters) of the alarm that is obstructed by an object.
    - Within 4.92 ft (1.5 meters) of fluorescent lights.
    - Dead air spaces such as apexes of ceilings, corners of the rooms.
    - Places with significant temperature changes or with temperatures below 0 °C.
    - Places that may generate smoldering fires or cause significant losses if a fire is not reported in a timely manner.

### For Flat Roof

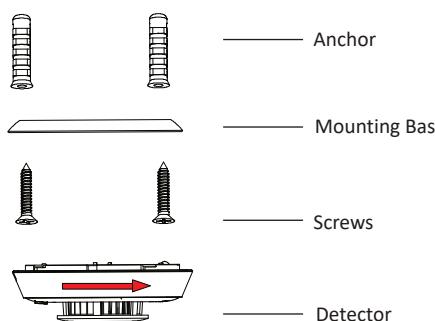
The edge of the detector should be at least 500 mm away from any wall.



## Installation Methods

### 1. Screws Fixed (Recommended)

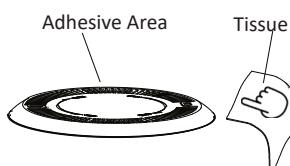
- 1 Insert the anchors into the wall.
- 2 Align the U-shaped holes corresponded to the mounting base to the anchors, and then fix the mounting base with the screws.
- 3 Rotate the detector clockwise to completely lock the buckles of the detector and lock grooves on the mounting base.



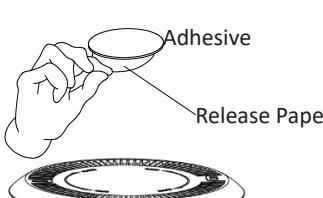
### 2. Adhesive Fixed

\*The optimal temperature range for adhesive bonding is 21 °C to 38 °C, and temperatures below 10 °C are not suitable for bonding.

- 1 Clean the adhesive area corresponding to the installation plate.

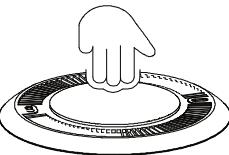


- 2 After cleaning, immediately remove one side of the release paper from the adhesive and stick it to the corresponding area of the installation plate. Do not touch the adhesive with fingers.



\*This device should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

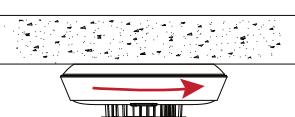
- 3 Press the adhesive back and forth with your fingers to remove air between the adhesive and the installation plate, improving the adhesive strength.



- 4 Clean the installation surface to remove dust, oil, and water stains.

\*The recommended installation surface is a smooth glass surface, metal surface, wooden surface, or a reliable latex paint surface; Do not choose a place directly facing the air-conditioning outlet where water vapor or wind appears; For rough walls or other rough walls that are not suitable for using adhesive, please use screws to fix them.

- 5 Tear off the other side of release paper on the installation plate, immediately stick it onto the clean installation surface, and press the installation plate to remove air.



- 6 Rotate the alarm in the direction shown in the diagram, fix it to the installation base, and complete the installation.

\*The adhesive strength can only reach 50% within 20 minutes, 90% within 24 hours, and 100% within 72 hours. It is recommended to install the alarm on the installation plate after 24 hours.

## Operations

### ■ Smoke Alarm

In standby mode, when the smoke concentration reaches the response threshold, the alarm will generate an alarm signal.

**Alarm status:** The buzzer beeps for a long time; The indicator light is red and always on.

### ■ Silence

In the alarm mode, short press the button to silent the alarm or mute by infrared remote control.

**Silencing mode:** The buzzer will stop alarm; The indicator light is red and always on.

**Silencing cycle:** After the alarm is silenced, if the smoke concentration that caused the alert continues, the alarm will reactive after 12 mins.

\* Infrared remote control only supports alarm mute.

### ■ Reset

When in the silence mode, short press the button to resume the standby mode. In alarm mode, if the smoke dissipates, the alarm mode will be deactivated and the alarm will automatically resume to the standby mode.

### ■ Format

In standby mode, press the button for 5 sec. After hearing 3 beeps, release the button to enter pairing mode. Quickly press the button 3 times to format the device. The green light flashes for 2 sec and the buzzer beeps twice.

## Specification

Model Name	HF-SG3-WF/R	HF-SG3-WF/R8	HF-S3-WF
<b>Function</b>			
Interconnection Alarm	Yes	No	
Max. Interconnected Units	30	NA	
Smoke Alarm	Yes		
Mute	Yes		
Maze Dirty Alarm	Yes		
Low Voltage Alarm	Yes		
Test	Yes		
Battery Uninstalled Indicator	Yes		
<b>General</b>			
Power supply	3 V DC, battery CR123A(replaceable)		
Battery capacity	1600 mAh * 2		
Execution Standard	EN 14604:2005, EN 14604:2005/AC:2008		
Standby current	≤100 μA	≤50 μA	
Alarm current	≤ 150 mA		
Alarm mode	Audible & visual alarm		
Alarm sound level	≥ 85 dB@3 m (A-Weighted)		
Battery Life	Five-year battery life under normal operation		
Operation temperature	-10 °C to 55 °C (14 °F to 131 °F)		
Operation humidity	≤95% relative humidity (RH)		
Dimension (φ x H)	Φ 119 mm x 44 mm		
Weight	182.5 g (0.4 lb) (with battery)		
Installation	Indoor ceiling mounted		
Transmit Power	433MHz (433.1 - 433.7 MHz): 6.0 dBm (max. e.i.r.p.) 2.4 GHz Wi-Fi (2412 - 2472 MHz): 20.0 dBm (max. e.i.r.p.) 868 MHz (865.1 - 867.9 MHz): 868.1 - 868.5 MHz): 13.0 dBm (max. e.r.p.) 2.4 GHz Wi-Fi (2412 - 2472 MHz): 20.0 dBm (max. e.i.r.p.)	868 MHz (865.1 - 867.9 MHz): 868.1 - 868.5 MHz): 13.0 dBm (max. e.r.p.) 2.4 GHz Wi-Fi (2412 - 2472 MHz): 20.0 dBm (max. e.i.r.p.)	2.4 GHz Wi-Fi (2412 - 2472 MHz): 20.0 dBm (max. e.i.r.p.)

\*Normal Operation: The smoke alarm operates under 25 °C with good signal. The alarm is triggered once a month and lasts for 1 min.

## English Regulatory Compliance and Safety Information

Read all information and instructions in this document carefully before using the device and keep for further reference.

For more device information and instructions, please visit our website at <https://www.hikvision.com>. You can also refer to other documents (if any) accompanying the device or scan the QR code (if any) on the packaging to get more information.

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### Safety Information

Please read all the safety information carefully before using.

- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region.
- Correctly install and maintain the detector. Although detector can help save lives by providing an early warning of a fire, they are not a substitute for an insurance policy. Home owners should have adequate insurance to protect their lives and properties.
- Install the detector according to the instructions in this manual.
- This is a Class A product, which may cause radio interference in the living environment. In this case, users may be required to take practical measures against interference.
- Please do not place the device in areas that children can touch.
- The detector has multiple power supplies. Please disconnect all power supplies during maintenance.
- Please power off during device wiring and installation.
- Do not place exposed flame sources, such as lit candles, on the device.
- To ensure the normal detection of the detector, do not use a large amount of items such as mousse, insecticides, diluents, etc. that can produce gel like suspended solids near the detector.
- To reduce the risk of fire or electric shock, do not let indoor equipment be exposed to rain or moisture.
- Please do not drop objects onto the device or vigorously vibrate the device, and keep the device away from locations with magnetic field interference. Avoid installing the device in a place that is prone to surface vibration or impact.
- This product is only used to detect the gas concentration in the surrounding environment of the equipment. When the product is in good operating condition, if gas occurs leakage, the detector can emit sound and light alarm signals.
- The carbon monoxide alarm information with a silent alarm device should include a warning. If there is any doubt about the cause of the alarm, it should be assumed that the alarm is caused by the hazardous level of carbon monoxide and residential areas should be evacuated.
- Carbon monoxide is harmful to the body. This device may not be able to prevent the chronic effects of carbon monoxide exposure, and it may not fully protect individuals in special danger.
- If there is any doubt about the cause of the alarm, it should be assumed that the alarm is caused by the hazardous level of carbon monoxide and residential areas should be evacuated.
- Keep the packing so that in case of any problem, pack the detector in its original packing and send it to the agent or return it to the factory for disposal.
- If the detector does not work properly, contact the dealer or the nearest service center. Never attempt to disassemble the detector yourself. (We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)

### BATTERY INSTALLATION and REPLACEMENT

#### Install Battery

Tear off the battery insulation, put the battery into the battery holder and insert it to the end.

#### Replace Battery

Remove the battery from battery holder and replace it with the CR123A battery purchased by a regular manufacturer after 30 seconds. Test the detector for correct operation using the TEST/SILENCE button whenever the batteries are replaced after re-fitting the detector onto the battery holder. If the detector is not working properly, please contact the technical support.



1. CAUTION: Risk of explosion if the battery is replaced by an incorrect type.
2. Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types).
3. Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.
4. Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas.
5. Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas.
6. Dispose of used batteries according to the instructions.
7.  identifies the battery holder itself and identifies the positioning of the cell(s) inside the battery holder.
8. + identifies the positive terminal(s) of equipment which is used with, or generates direct current. - identifies the negative terminal(s) of equipment which is used with, or generates direct current.