

## 1 Smart Combustible Gas Detector

AirRadio WIFI Smart Natural Gas Detector R2 is an automatic high-sensitivity gas leak alarm. When the natural gas (methane) leak occurs it will automatically issue a 70dB alarm sound, and in the first time through the WIFI signal to send a leak warning to your phone APP(If used with the solenoid valve, it will issue a warning at the same time to control the solenoid valve and cut off the gas source) to protect your family's life and property safety. When the leak warning is eliminated, it will automatically return to the detection state.

### ● Cloud Interconnection

Connect with mobile App. Interact with the third party equipment.

### ● Intelligent Prediction

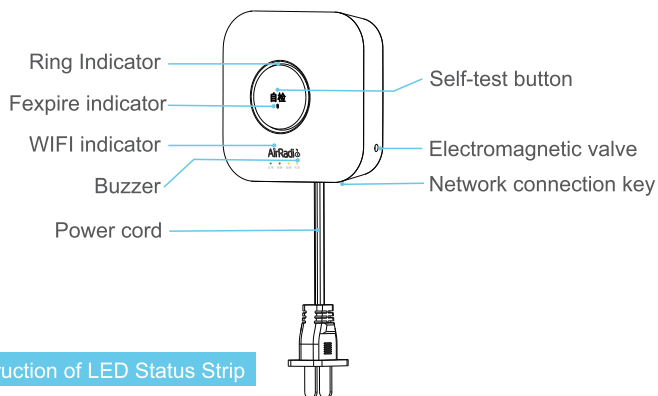
Calculate the risk of leakage base on the analysis of the historical data.

### ● Triple Alarm

Visual & Audible alarm given from the device;

Alarm information pushed by internet;

Alert Message sent to bounded mobile phone.



#### Instruction of LED Status Strip

- The ring indicator keep emitting with green light- Normal working status
- The ring indicator blinks with yellow light- Fault status
- The ring indicator blinks with red light-Alarm Status

## 2 Network connection instruction

### ● Working without WIFI

➤ Applicable in the environment without WIFI

➤ Plug in the device and it will transmit an audible and visual signals when gas leak occurs.

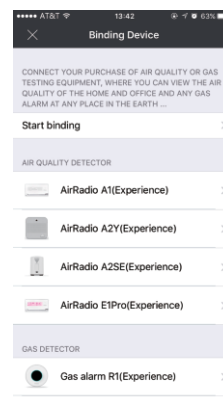
### ● Working with WIFI

➤ Applicable in the environment with WIFI

➤ Download the companion app for your gas detector from the Apple Store or the Google Play Store. (APP Name: AirRadio)



➤ According to the instruction of your mobile App and the indicator of the detector to finish the network connection.



### ➤ Remote monitoring and account management

1) Start the mobile App and check the connected device list to monitor the detecting data of your home. Once gas leaks, the device will give off visual and audible alarm and also send the alarm information to your mobile App.

2) The device could be bound with more than one mobile App and add multiple phone numbers for emergency. When leakage occurs, the cloud will send message to the bound mobile phones.

### ➤ Special Conditions

1) When Installation location changed, press network connection key and hold on for 5 seconds to active the reset function. And adapt the new network refer to networking instruction.

2) For reselling the device, please delete the device information on mobile App.

## 3 Button introduction

### ● Self-test function

Self-test button is used to detect whether the alarm function is normal and to reset the device. Press the self-test button, the ring indicator light displays red, green and yellow. At the same time, the buzzer beeps.

### ● Network resetting function

Press the network connection key and hold on for 5s to reset the network.



R2

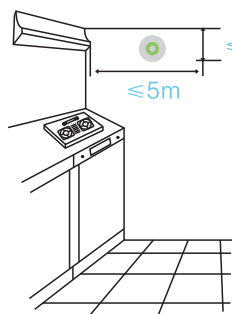
AirRadio WIFI Smart Natural Gas Detector

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## 4 Installation Instruction

### ● Installation location



- The detector and gas source should be located in the same room.
- 1~3m is the best distance from the gas source to the detector.
- The detector should be installed within 30cm from the ceiling.

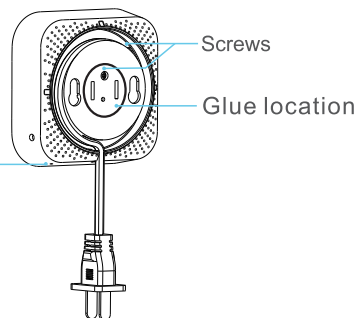
### ● Installation methods

#### ➤ Stick to the wall

1. Used on the wall with the material of ceramic, glass, wood, etc.
2. Keep the wall clean before installation.
3. Stick the device on the wall and press for 10s to make it stable.

#### ➤ Hang on the wall

1. Used on the wall with the material of cement and paint.
2. Hang on the fixed nail in the wall.



### ● Precautions

Don't install in the following location

- Close the gas stove.
- Where steam or oil smoke exit.
- Near fan, door, and window where there is a large flow of air and vapor.

## 5 Maintenance

- 1) During the usage period, activate the self-test at least once six month to confirm that the device works normally.
- 2) It's suggested to clean the shell of the combustible gas detector frequently to prevent its air hole being blocked by dust. When cleaning the shell of the device, use clean soft brush or dry fluffy cloth without detergent, decolorizer and polish. Cut off power supply when cleaning the shell.
3. R2 is designed for indoor use only. Please avoid contacting with rain or moisture, and avoid falling, knock, disassemble the equipment, otherwise it causes device malfunction.
- 4) The lifespan is 5 years under normal working environment. Please replace with a new one if the device exceed the service life.

## 6 Problems and Solutions

Problem	Cause Analysis	Solution
Green power indicator does not work	Connectivity of power supply	Check the connectivity
	Power indicator breaks	Call customer service
Press "self-test/mute" button but no response	Circuit breaks	Call customer service
No response to target gas	Warm-up does not finish	Wait till warm-up finishes
	Circuit breaks	Call customer service
Keep alarming after warm-up	Work environment filled with organics like smoke, alcohol steam, fume, perfume and so on	Move the device to clean air the test if it work normally
	The storage period is too long	Supply power to age for over 2 hours
	Circuit breaks	Call customer service

## 7 Technology Specification

Model	R2
Detecting Gas	Natural gas ( CH <sub>4</sub> , Methane)
Working Environment	Temperature: 0 ~ 40 degree Celsius Humidity: <95%RH (No Frost)
Sampling Method	Natural diffusion
Testing Range	0~100% LEL
Alarm Presetting Level	7% LEL
Warm-up Time	180±10S
Sensor Type	Semiconductor
Life Span	5 Yeas(Under normal working environment)
Working Voltage	AC 100V-240V
Weight	150g
Dimension	85.6*85*40.5mm
Alarm Method	Visual, audible signals and network pushing alarm
Alarm Sound	≥70dB