INKBIRD
RADON DETECTOR
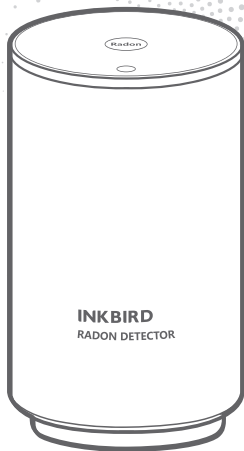
RADON DETECTOR

USER MANUAL

Please keep this manual properly for reference. You can also scan the QR code below to visit our official website for product usage videos. For any usage issues, please feel free to contact us at support@inkbird.com.

1 OVERVIEW

This innovative radon monitor integrates the latest high-precision radon sensor, is combined with a friendly and stable WiFi APP, and provides a simple, fast, highly accurate, and affordable solution for continuous radon monitoring.
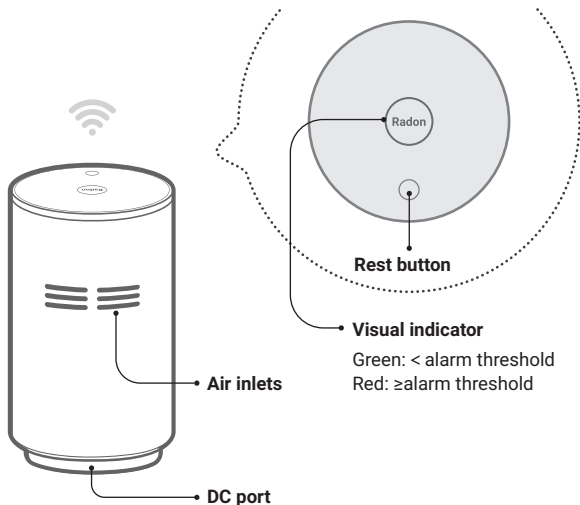
2 TECHNICAL SPECIFICATIONS

Product Name	Radon Detector
Item Number	INK-RD2
Model Number	RN-PRO300
Sensor Type	Pulsed ion chamber

|	
First Radon Result	About 10 min
First Highly Reliable Radon Result	Within 1 hour
Radon Date Update Interval	10 min
Radon Count Sensitivity	30CPH (1hour / 1pCi/L)
Measurement Range	0.2 ~ 99.9 pCi/L (1~3700 Bq/m³)
Range of Measurement Errors	< 10% at 10 pCi/L (370 Bq/m³) after 10 hours
Connectivity	2.4GHz Wi-Fi
Radon Alarm	Audible alerts & Visual indicator
Radon Level Visual indicator	3-Color Led (red, orange, green)
Power Consumption	DC 12 + 0.1V; 65mA (12V DC adapter)
Working Environment	Temperature 32~104°F (0~ 40°C); Humidity < 80% RH
Product Size & Weight	80 mm X 140 mm , 380g
Package Size & Weight	100 mm X 100 mm X 190 mm, 450g
Package Including	1 x Radon Monitor 1 x Power Adapter 1 x User Manual

3   PRODUCT DESCRIPTION

This innovative radon monitor integrates the latest high-precision radon sensor, is combined with a friendly and stable WiFi APP, and provides a simple, fast, highly accurate, and affordable solution for continuous radon monitoring.

Radon

Rest button

Visual indicator
Green: < alarm threshold
Red: ≥alarm threshold

Air inlets

DC port

LED Light Color Guide

| LED Status	Monitor Status
Flashing Green quickly	The device is powered on.
Flashing Red slowly	It's in the paring state, waiting for the smartphone and wireless router.
Always on Green	The WiFi connection is successful and the device is working fine.
Flashing Orange	The current network signal is weak and needs to be restored or paired again.
Flashing Red with audio alarm	It is detected that the current radon level exceeds the threshold, which can be set on the App.

Reset Button
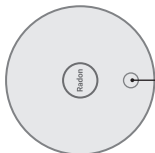
Rest button
Long press to enter the pairing state

After plugging in the device, press and hold the Reset button for more than 5 seconds to enter the networking state, at which the indicator light turns red and flashes slowly.

4 PRODUCT PLACEMENT GUIDELINES
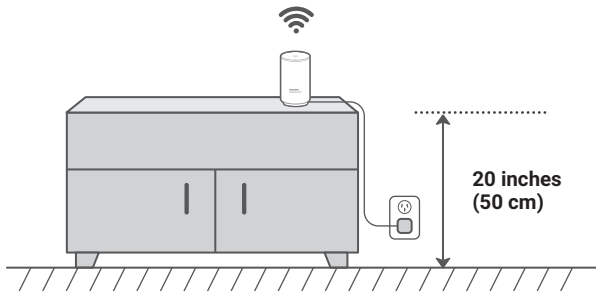
20 inches (50 cm)

a)Make sure the radon detector is at the correct height. Place it at least 20 inches (50cm) above the floor.

b)Place the radon detector at least 59 inches (150 cm) away from open windows or vents. And be sure to keep it away from places with high temperatures and high humidity (> 85%RH).

c)Find a place with a good Wi-Fi signal. This radon monitor connects to the internet with WiFi and sends information to your smartphone APP.

d)Don't move the device during use. Vibration can cause the unit to pause the measurement and produce a warning sound.

e)Re-pairing is required if the network is changed.

5 APP INSTALLATION & CONNECTION

5.1 Search the INKBIRD App from Google Play or App Store to get it for free, or you can scan the QR code below to download it directly.

NOTES :

a)Your iOS devices must be running iOS 12.0 or above to download the app smoothly.

b)Your android devices must be running android 7.1 or above to download the app smoothly.

c)The device supports a 2.4GHz Wi-Fi router only.

d)**APP Location Permission Requirement**: We need to obtain your location information to discover and add nearby devices. INKBIRD promises to keep your location information strictly confidential. And your location information will only be used for the location function of the App and will not be collected, used, or disclosed to any third party. Your privacy is very important to us. We will abide by relevant laws and regulations and take reasonable security measures to protect your information security.

5.2 Registration

Step1: Registering an account is necessary before using the INKBIRD app for the first time.

Step2: Open the app, select your Country/Region, and a verification code will be sent to you.

Step3: Enter the verification code to confirm your identity, and the registration is complete.
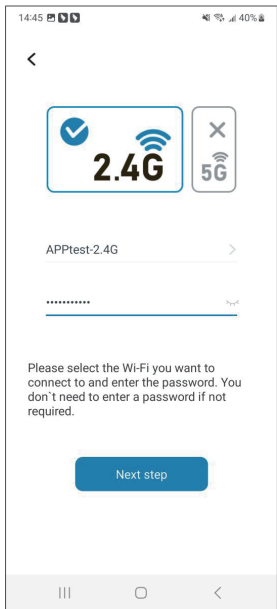
5.3 How to Pair the Device with the App

Step1: Open the App and click the "+" in the upper right corner to find the radon detector.
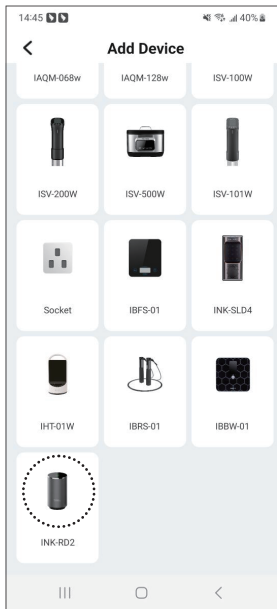
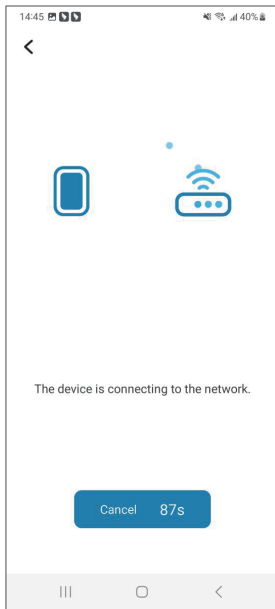Step2: Plug in the detector to power it on, then click Next Step.

Turn on the device
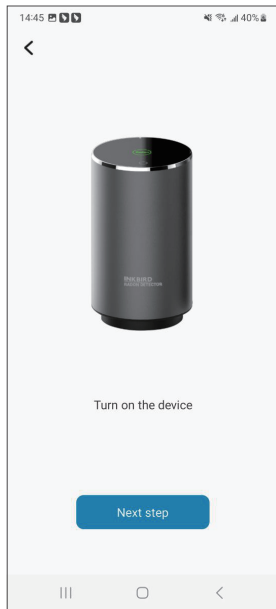
Next step

Step3: Select a 2.4 GHz WiFi network, enter the password, and click Next Step.
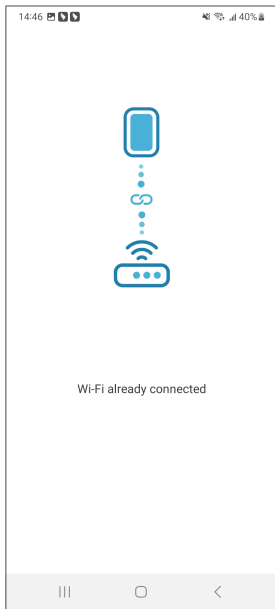

Step4: Press and hold the RESET button on the device for more than 5 seconds to enter the pairing state. Then click Confirm.
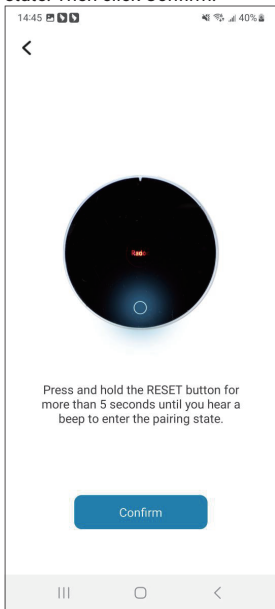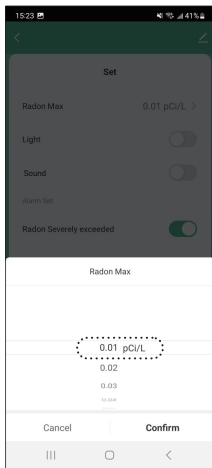
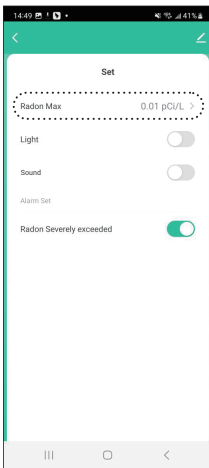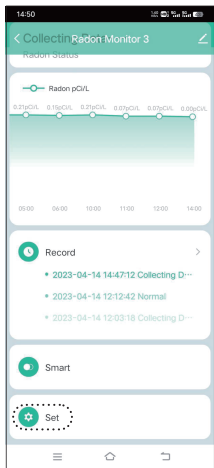Step5: The App is automatically pairing with the device.

Step6: The pairing is successful.

The device is connecting to the network.

Cancel   87s
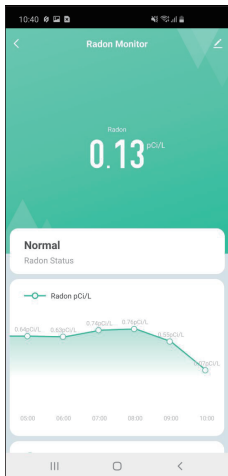

Wi-Fi already connected

5.4 Set the Alarm Level Threshold

Enter the settings, click Radon Max, and select a value.

5.5 Historical Data Export

Click the data curve to view the complete data graph, and click the export icon to enter your email address.
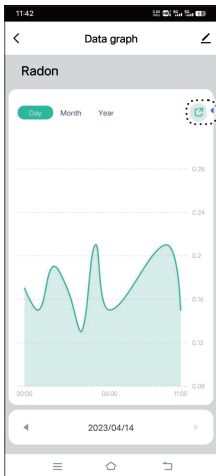
6 FCC REQUIREMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful

interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

7 CUSTOMER SERVICE

This item carries a 1-year warranty against defects in either components or workmanship. During this period, products that prove to be defective will, at the discretion of INKBIRD, be either repaired or replaced without charge. For any problems in use, please feel free to contact us at support@inkbird.com. We will do our best to help you.

INKBIRD TECH.C.L.

Support@inkbird.com

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MADE IN CHINA

V 1.0