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› Airthings 4200 Home Kit: Radon, Mold Risk, and Indoor Air Quality Monitoring System User Manual

AirThings 4200

Airthings 4200 Home Kit User Manual

Radon, Mold Risk, and Indoor Air Quality Monitoring System

Brand: AirThings | Model: 4200

1. INTRODUCTION

The Airthings 4200 Home Kit provides a comprehensive solution for monitoring indoor air quality across multiple rooms. This kit includes the Airthings Wave, Airthings Wave Mini, and the Airthings Hub, designed to continuously track critical indoor air parameters such as radon, humidity, temperature, and total VOCs (Volatile Organic Compounds). By providing continuous data, the system helps users understand and improve their indoor environment for better health and well-being.



Image: Airthings devices monitoring air quality in different home environments.

2. WHAT'S IN THE BOX

Upon opening your Airthings 4200 Home Kit, verify that all components are present:

- **Airthings Wave (2nd Gen):** A smart radon detector providing long-term and short-term radon values.
- **Airthings Wave Mini:** Monitors humidity, temperature, and total VOCs, with mold risk indication.
- **Airthings Hub:** Enables 24/7 access to your air quality data from anywhere.
- Regulatory Information and Quick Start Guide.



3. SETUP INSTRUCTIONS

Follow these steps to set up your Airthings Home Kit devices:

3.1. Airthings Hub Setup

1. **Power On:** Connect the Airthings Hub to a power outlet using the provided AC adapter.
2. **Connect to Internet:** Connect the Hub to your home router using an Ethernet cable. Ensure the Hub has a stable internet connection.
3. **Placement:** Place the Hub in a central location within your home to ensure good signal coverage for all Airthings devices.



Image: Airthings Hub and Wave Mini setup.

3.2. Airthings Wave (2nd Gen) Setup

1. **Battery Installation:** Open the battery compartment and insert the included batteries.

2. **Placement:** Place the Wave device in the room where you want to monitor radon levels, typically a living area or bedroom. Ensure it is not obstructed.
3. **Pairing:** Follow the instructions in the Airthings App to pair the Wave device with your Hub.



Image: Airthings Wave device.

3.3. Airthings Wave Mini Setup

1. **Battery Installation:** Open the battery compartment and insert the included batteries.
2. **Placement:** Position the Wave Mini in a room where you want to monitor humidity, temperature, and VOCs, such as a child's room or a basement prone to mold.
3. **Pairing:** Use the Airthings App to pair the Wave Mini with your Hub.



Image: Airthings Wave Mini device.

3.4. Airthings App Installation and Pairing

1. **Download App:** Download the Airthings Wave App from the Apple App Store or Google Play Store.
2. **Create Account:** Open the app and create a new user account or log in if you already have one.
3. **Add Devices:** Follow the in-app instructions to add your Airthings Hub, Wave, and Wave Mini devices. The app will guide you through the pairing process for each device.



Image: Airthings App displaying air quality data.

4. OPERATING INSTRUCTIONS

Once your devices are set up and paired, they will begin monitoring your indoor air quality. Access and interpret your data using the Airthings App.

4.1. Understanding Your Readings

- **Radon:** The Airthings Wave provides continuous radon monitoring. Radon levels are displayed in the app, with color-coded indicators (green, yellow, red) to signify safe, elevated, or dangerous levels. Regular monitoring is crucial as radon levels can fluctuate.
- **Humidity:** The Wave Mini tracks indoor humidity. Maintaining optimal humidity (typically 30-50%) is important for comfort and to prevent mold growth.
- **Temperature:** The Wave Mini also monitors ambient temperature, helping you maintain a comfortable indoor climate.
- **Total VOCs (Volatile Organic Compounds):** The Wave Mini detects VOCs, which are gases emitted from certain solids or liquids and can impact indoor air quality. High VOC levels may indicate poor ventilation or

off-gassing from new furniture, paints, or cleaning products.

- **Mold Risk:** The Wave Mini provides an indication of mold risk based on humidity and temperature data. This feature helps identify conditions conducive to mold growth.

4.2. Using the Airthings App

The Airthings App is your primary interface for viewing data, managing devices, and receiving alerts:

- **Dashboard:** View real-time and historical data for all connected devices.
- **Alerts:** Configure custom alerts for specific air quality parameters (e.g., high radon, high VOCs, high humidity).
- **Insights:** Gain insights into your air quality trends and receive recommendations for improvement.
- **Device Management:** Add or remove devices, check battery status, and update firmware.

4.3. Smart Home Integration (IFTTT)

The Airthings Hub supports IFTTT (If This Then That) integration, allowing you to automate actions based on your air quality data:

- **Automated Ventilation:** Set up IFTTT applets to turn on smart ventilation systems when VOC levels are high.
- **Humidity Control:** Automatically activate a smart humidifier or dehumidifier based on humidity readings from the Wave Mini.
- **Air Purification:** Trigger smart air purifiers when air quality parameters exceed desired thresholds.

5. MAINTENANCE

To ensure optimal performance and longevity of your Airthings devices, follow these maintenance guidelines:

- **Battery Replacement:** The Airthings Wave and Wave Mini devices have an average battery life of 2 years. The Airthings App will notify you when batteries are low and need replacement. Use standard AA batteries for replacement.
- **Cleaning:** Gently wipe the exterior of the devices with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners, as these can damage the sensors or casing. Ensure no liquids enter the device openings.
- **Firmware Updates:** Periodically check the Airthings App for available firmware updates for your devices. Updates often include performance improvements and new features.

6. TROUBLESHOOTING

If you encounter issues with your Airthings Home Kit, consider the following troubleshooting steps:

- **No Data in App:**
 - Ensure the Airthings Hub is powered on and connected to the internet. Check the indicator lights on the Hub.
 - Verify that your Wave and Wave Mini devices have fresh batteries and are within range of the Hub.
 - Confirm that the devices are correctly paired in the Airthings App. Try re-pairing if necessary.
- **Inaccurate Readings:**
 - Ensure devices are placed in appropriate locations, away from direct drafts, heat sources, or areas with high moisture (unless specifically monitoring that area).

- Allow up to 7 days for radon sensors to calibrate and provide stable readings, especially after initial setup or relocation.

- **Connectivity Issues:**

- Restart your Airthings Hub and home router.
- Check for any Wi-Fi interference or obstructions between the Hub and your devices.

- **App Not Responding:**

- Close and reopen the Airthings App.
- Ensure your smartphone's operating system and the Airthings App are updated to the latest versions.

If problems persist, refer to the official Airthings support website or contact customer service for further assistance.

7. SPECIFICATIONS

Feature	Detail
Brand	AirThings
Model Number	4200
Included Items	Airthings Wave (2nd Gen), Airthings Wave Mini, Airthings Hub, Regulatory Information
Power Source (Hub)	AC
Battery Duration (Wave/Wave Mini)	2 years (average)
Product Weight	7.6 Ounces (total kit components)
Monitored Parameters (Wave)	Radon
Monitored Parameters (Wave Mini)	Humidity, Temperature, Total VOCs, Mold Risk Indication
Connectivity	Bluetooth (device to Hub), Ethernet (Hub to router), Wi-Fi (Hub to cloud)
UPC/GTIN	854232008156

8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the regulatory information included in your product packaging or visit the official Airthings website. Airthings provides customer support for product inquiries, technical assistance, and warranty claims.

Online Resources: Visit www.airthings.com/support for FAQs, user guides, and troubleshooting tips.

Contact Support: Information on how to contact Airthings customer service can be found on their official website.

