

# Wave Plus

Smart indoor air quality and radon monitor



## DOWNLOADS



[DIGITAL USER MANUAL](#)

Poor air quality inside your home can cause long-term health risks, problems sleeping, irritating respiratory symptoms, and more. It can even impact your cerebral functions causing difficulty focusing and performing to your full potential. Take control of your health and wellbeing at home by taking control of your home's air quality. Airthings Wave Plus is an app-enabled indoor air monitor that measures 6 aspects of air quality including radon, carbon dioxide (CO<sub>2</sub>), airborne chemicals (VOCs), humidity, temperature, and air pressure. When you know what's in your air, you have the power to change it for the better.

### EASY TO SET UP & USE

Setup is a snap and takes just minutes. Wave over the monitor's face for an air quality quick-check or dive into the data in the Airthings app.

### 6 AIR QUALITY SENSORS

Measures radon, carbon dioxide (CO<sub>2</sub>), airborne chemicals (VOCs), humidity, temperature and air pressure.

### FREE & FRIENDLY APP

The Airthings app gives you easy-to-read data and dynamic graphs, proactive notifications and focus insights for asthma, allergies or headaches.

### CABLE-FREE

It's battery-powered so you can place the monitor where you want to and without worrying about the nearest electrical outlet.

### MULTI-ROOM

Combine with other Airthings monitors for multi-room monitoring. Get 24/7 access to live data when you pair it with an Airthings hub device.\*

### 5-YEAR WARRANTY

We stand behind our product quality and the importance of long-term monitoring. Register to extend your standard product warranty to 5 years.

## PRODUCT FEATURES

#### SENSORS

Radon, carbon dioxide (CO<sub>2</sub>), airborne chemicals (VOCs), humidity, temperature, and air pressure.

#### VISUAL AIR QUALITY INDICATOR

Wave over the monitor's face to activate the color-coded glow light indicator.

#### LONG BATTERY LIFE

Battery life varies depending on connectivity.

Bluetooth LE: up to 16 months  
SmartLink: up to 18 months

#### AIRTHINGS APP

Bluetooth connectivity with the free mobile app for iOS and Android.



#### NOTIFICATIONS

Enable/disable notifications sent when air quality declines. Requires hub (Internet) connectivity for best experience.

## PACKAGE CONTENT

- Wave Plus air quality monitor
- 2 AA batteries (installed)
- Quick start guide
- Regulatory booklet
- Silica bag
- Double-sided tape and countersunk screw (for optional wall-mounting)

## INTEGRATIONS\*\*

For audible readings:



For home automation:



\* Airthings hub devices include Airthings Hub and any View series monitor.

\*\* Internet connectivity via Airthings Hub device required.



RADON CO<sub>2</sub> VOC HUMIDITY TEMP PRESSURE

**ADDITIONAL SPECIFICATIONS**
**MONITOR PLACEMENT**

For indoor use only. Supports wall mounting or placement on table. For wall-mounting, use the double-sided tape or one countersunk screw (both included). Optimum placement is breathing height (40-70 in / 110 - 170 cm above floor). Do not mount the monitor over 77 in / 200 cm.

**CONNECTIVITY**

Bluetooth Low Energy (BLE) used for onboarding and data transfer when the monitor is not linked to an Airthings hub device.

Airthings SmartLink used for monitor-to-hub communications when the monitor is linked to an Airthings hub.\*

**REQUIREMENTS FOR APP**

Internet-connected smartphone with one of the 3 latest major versions of iOS or Android, supporting Bluetooth 4.2 or later.

**OPERATING CONDITIONS**

Temperature: 39°F to 104°F / 4°C to 40°C  
Humidity: 0% - 85% (non-condensing)

**HARDWARE SPECIFICATIONS**

Weight: 7.7 oz / 219 g  
Dimensions: 4.7 in (diameter) x 1.4 in (height) / 120 mm (diameter) x 36 mm (height)

**PACKAGING**

White version:  
Weight: 12.2 oz / 346g  
Dimensions: 6 x 6 x 1.8 in / 153 x 153 x 46 mm  
Black version:  
Weight: 9.5 oz / 270g  
Dimensions: 5.9 x 6 x 1.8 in / 150 x 152 x 45 mm

**SENSOR SPECIFICATIONS**
**RADON**

Alpha spectrometry in a passive diffusion chamber. Sample frequency: 60 min (fixed) Measurement range: pCi/L: 0 - 500 / Bq/m<sup>3</sup>: 0 - 20,000  
Accuracy after 30 days of continuous measuring (based on radon level of 5.4 pCi/L or 200 Bq/m<sup>3</sup>):  
7-day average: ±10 %  
2-month average: ±5 %

**CARBON DIOXIDE (CO<sub>2</sub>)**

NDIR Sensor (Non-Dispersive Infra-Red) technology.  
Sampling interval: 5 min.  
Measurement range: 400-5000 ppm.

Accuracy at 50 - 95°F (10 - 35°C) and up to 80%RH: ±50 ppm ±5% based on ppm of 500-2000

Self-calibrated using an automatic baseline algorithm that updates weekly  
Settling time: ~7 days

**VOLATILE ORGANIC COMPOUNDS (VOC)**

Metal-oxide based gas sensor.  
Sampling interval: 5 min.  
Measurement range: 0 - 10,000 ppb  
Settling time: ~7 days

Self-calibrated using an automatic baseline algorithm that updates continuously based on the cleanest air the sensor is exposed to.

**TEMPERATURE & HUMIDITY**

Solid state sensor.  
Sampling interval: 5 min.  
Temperature accuracy:  
± 0.9°F at 77°F  
± 1.8°F from 32-140°F  
± 0.5°C at 25°C  
± 1°C from 0-60°C  
Humidity accuracy:  
± 3.0 % RH at 77°F (25°C) when humidity is 20-80% RH

**PRESSURE**

Accuracy: ±0.6 mBar/hPa  
Measurement range: 500 - 1100 mBar/hPa

**RADIO SPECIFICATIONS**
**BLUETOOTH LOW ENERGY (BLE)**

BLE is used for monitor-to-mobile device communications when the monitor is not linked with an Airthings hub device.  
Output power: <5 mW  
Frequency Range (MHz): 2400.0 - 2483.5

**AIRTHINGS SMARTLINK**

SmartLink is used for inter-device communications when linked with an Airthings hub device.  
Output power: < 25 mW

Frequency range (MHz):  
Europe 868 - 870  
North America 902-928  
Singapore 920-923  
Hong Kong 920-923  
Australia 923-928  
India: 865 - 867

**PRODUCT CODES**

White version:  
EAN: 7090031109301  
UPC: 854232008033  
SKU: 2910  
Model: 2930  
Device serial number: 2930xxxxxx

Black version:  
EAN: 7090031109394  
UPC: 854232008620  
SKU: 2911  
Model: 2930  
Device serial number: 2930xxxxxx

**WANT TO KNOW MORE?**  
Go to [help.airthings.com](https://help.airthings.com) for in-depth articles written by our customer support experts.

\* Airthings hub devices include Airthings Hub and any View series monitor.