Airthings Wave Mini

Smart Air Quality Detector

Operating Manual
Version 1, October 5, 2018

Set up your Airthings device in 3 simple steps:

1. Download the Airthings Wave App, available on iOS and Android
2. Create an account and insert Name, Email and Location*
3. Follow the simple instructions in the app to connect your device

*We encrypt and securely store your information in the Airthings Cloud. Providing your location is optional, however, sharing your radon information helps us understand how regional radon works and can ultimately save lives.

Many easy ways to contact Airthings

Online

Look at our frequently asked questions, or contact us directly through our support form.

support.airthings.com

By email

Send an email directly to support at support@airthings.com

By phone

Customer service in English:
US +1 (866) 254-2221
CA +1 (866) 222-2117
Norway +47 21 40 37 62
Global +44 808 169 5752

Open Mon-Fri 7:00-1:00am Central European Time

Social media

Message us on facebook, Twitter, LinkedIn or Instagram!

Airthings
Airthingsglobal
Airthings
Airthings

Have any questions or comments that we didn't get to here? Please let us know! support.airthings.com

Congratulations on taking this important step toward living a healthier life.

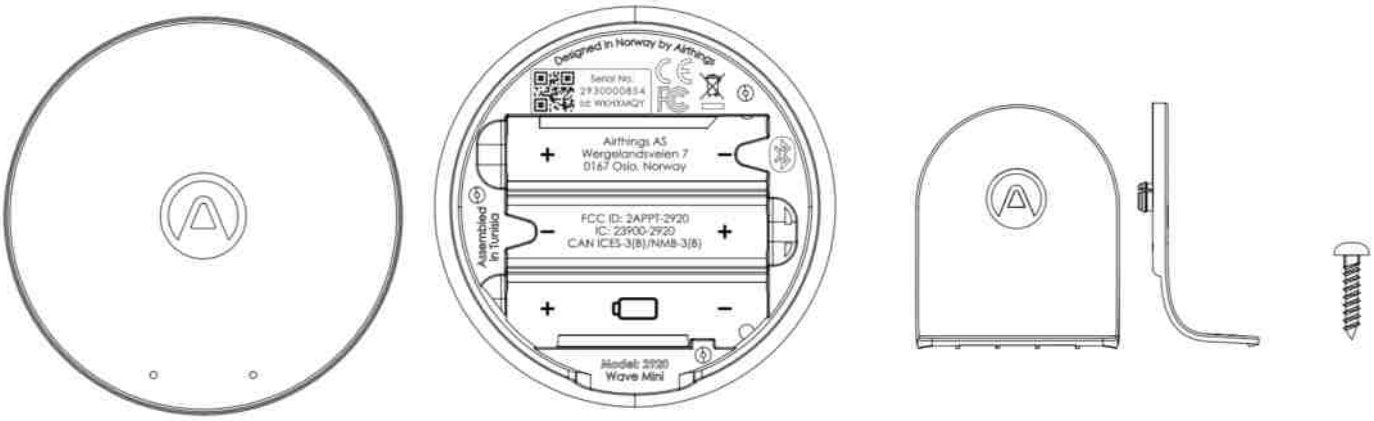
By keeping track of your indoor air quality levels, you can make healthier decisions in the spaces where you spend most of your time. Increased energy levels, better quality sleep and resistance to illness are just a few benefits.

The Airthings Wave Mini provides you with detailed information about airborne chemicals, temperature and humidity levels on your phone, Airthings Dashboard or by simply waving in front of the device for a visual indication of your air quality levels—green is good, yellow is warning and red is danger.

Breathe better, live better,

The Airthings team

Features and content



1. Glow signal
2. Motion sensor
3. Battery compartments (observe polarity symbols)
4. One-time battery tab
5. Individual serial number
6. Device stand
7. Screw
8. 3 AA batteries, inserted

Glow signal

Visual indication of your air quality levels.

Green: Good

Yellow: Warning

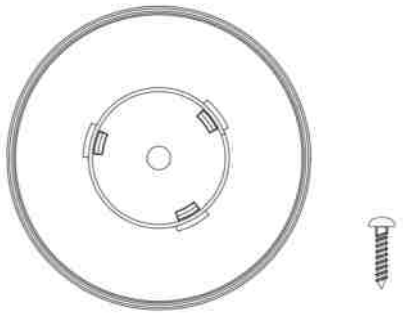
Red: Danger

(Go to airthings.com/mylevels for more information on air quality action levels)

Wave sensor

Simply wave in front of your detector to activate the glow signal.

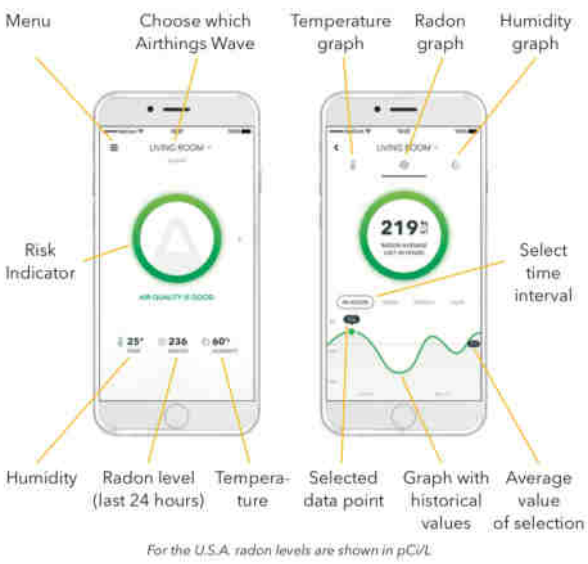
Easy to mount



Fix the mounting bracket to the ceiling or wall, or use the stand to place on a flat surface. Make sure you use appropriate screws for your wall type. The screws included are intended for wood or drywall. Do not place it close to vents or windows. Minimum 1 meter / 3 feet distance.

Thanks to the built-in magnet, simply snap the unit onto the mounted bracket.

Basics of the App



*A placeholder for the updated app with Wave Mini and its correct sensors.

Daily use

Wave in front of your device to see a visual indication of your daily radon levels.

Make sure you always have Bluetooth enabled on your phone and the app running in the background. Every time you move within Bluetooth range of your device, the latest data will be downloaded automatically.

You will be notified if any actions are needed through the app.

The Wave Mini will enter stand-alone mode if not connected to a phone the last 7 days. Next time the device is connected to a phone again, it will go back to regular connected mode.

The Wave Mini also includes Airthings Smartlink which works with the Hub. Refer to the Hub manual for the Smartlink info. The Hub provides longer range as well as live updates using the Airthings Smartlink.

Integrations

The Airthings Wave Mini shares data to your mobile device as well as the Airthings Dashboard—a free online platform that provides quick access to view, customize and analyze sensor data from multiple Airthings devices. Go to airthings.com/dashboard for more info.

The Airthings Wave Mini is integrated with Amazon Alexa and IFTTT. With Amazon Alexa, use voice commands to control your device. IFTTT integration allows users to create or access useful recipes for their device to follow and integrate with third-party products. Sign up for our newsletter for the latest updates.

amazon alexa

Works with IFTTT

Glow indicator

Dual flash: Waiting for connection/stand-alone mode Single flash: Pairing	Blue	The glow signal will flash twice in blue when the device is waiting for first connection to the app or when the device has not been connected to a phone in the last 7 days. When your detector starts pairing it will flash once.
Waiting for first result	White	No air quality assessment is available yet.
Good Indoor Air quality is good Dual flash: updating internal software	Green	Indoor Air Quality is good and all sensor values are within recommended levels.
Warning Air quality is approaching the recommended limits	Yellow	Indoor Air Quality levels are approaching the recommended level. Take simple steps to bring more fresh air inside and continue monitoring.
Danger Above recommended level and action should be taken to lower your levels	Red	One or more of the sensors are above the recommended level. Actions should be taken to increase ventilation. Check your app or dashboard for details about contaminant levels.

For details on sensor thresholds go to airthings.com/wave

Sensor icons

Airborne chemicals and toxins – Total Volatile Organic Compounds or TVOCs are vapors emitted from all sorts of daily products including paints and furniture, wax and cosmetics, cleaning and hobby products, cooking and human breath. At high concentrations they can be harmful and cause negative side-effects from minor eye, nose and throat irritations all the way to liver and kidney damage, depending on the level and length of exposure.

Temperature – Indoor temperatures can affect performance, mood and comfort level. Individual sleep patterns are also affected by indoor air temperature.

Humidity – Too much or too little humidity can affect allergies and cold or flu symptoms. When humidity levels are too high, mold and rot will occur. Low humidity levels cause static electricity, dry skin and hair, and increased susceptibility to colds and respiratory illness.

Troubleshooting

First and foremost, always make sure that you have updated to the latest device software

- In the device settings menu, click update device.

Not able to connect to my device

- Make sure you have the detector within the range of 2-5 meters or 5-15 feet.
- Check if Bluetooth is turned on.
- Check if the power indicator is blinking.

My app is not updated when running in background mode

- Open your phone settings and verify that the Airthings Wave app is running in the background. You can usually find this in the app manager section of your phone settings.
- Make sure you are in Bluetooth range periodically.

No response from glow signal

- First, sync your data and then replace the batteries. We recommend AA alkaline (LR6).

If you need further assistance, read our Frequently Asked Questions, or simply contact support at support.airthings.com.

Technical specifications

Power supply: 3 AA 1.5V alkaline (LR6)

Dimensions: Diameter: 105 mm (4.13in)
Height: 45 mm (1.77in)

Weight: 135g including 3 batteries (4.7 oz)

Operational and storage environment:
Temperature: 4 °C (39 °F) to +40 °C (104 °F)
Relative humidity: < 85%

Settling time: TVOC ~ 7 days

See more specs in our Wave Mini Product Sheet

Safety and maintenance

The Airthings Wave Mini is intended for indoor use only. Avoid direct exposure to sunlight for long periods. Avoid exposure to direct heat sources. For correct usage, make sure the detector is operating in the specified temperature range (see technical specifications).

Exposure to high humidity might permanently alter the detector sensitivity or damage it.

Do not disassemble. If the detector does not work as specified or you are in doubt, contact your local dealer or visit us at Airthings.com.

Use a dry cloth to clean the detector.

When replacing the batteries, pay attention to the polarity marks. Use AA alkaline (LR6) batteries.

Always snap the mounting bracket to the detector's rear side to protect the batteries, even when the detector is not permanently mounted.

Disposal: electronic equipment.

Limited liability

The instrument is tested and quality-assured by production. It meets the accuracy values set out in the specifications.

It is recommended to keep the instrument constantly activated and the batteries in place until drained.

Airthings AS shall not be liable for damages related to failure or loss of data arising from incorrect operations and handling of the instrument.

Terms & conditions

airthings.com/terms-use-privacy/

For other languages or additional questions go to support.airthings.com

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Regulatory information

Regulatory information Canada

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Les changements ou modifications non expressément approuvés par la partie responsable de la conformité pourraient annuler l'autorisation de l'utilisateur d'utiliser l'équipement.

This device complies with Innovation, Science and Economic Development Canada's licence- exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR de l'ISDE applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF exposure safety

This product is a radio transmitter and receiver.

It is designed not to exceed the emission limits for exposure to radio frequency (RF) energy set by the ISED.

The antenna must be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Ce produit est un émetteur et un récepteur radio.

Il est conçu pour ne pas dépasser les limites d'émission pour l'exposition à l'énergie radiofréquence (RF) établie par l'ISDE.

L'antenne doit être installé de façon à garder une distance minimale de 20 cm entre la source de rayonnements et votre corps.

L'émetteur ne doit pas être colocalisé ni fonctionner conjointement avec à autre antenneou autre émetteur.

CAN ICES-3 (B)/NMB-3(B)

This Class B digital apparatus complies with Canadian ICES-003
Cet appareil numérique de clase B est conforme à la norme Canadienne ICES-003

Regulatory information USA

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the 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.

Class B device notice

NOTE: 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.

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Airthings Wave Mist

Smart Air Quality Detector

Operating Manual
Draft

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The Airthings team

Features and content

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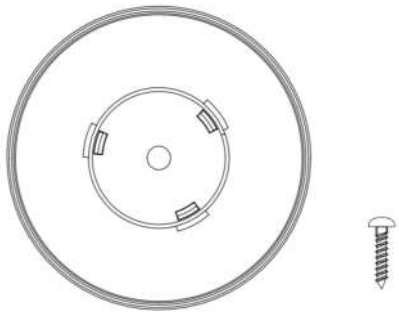
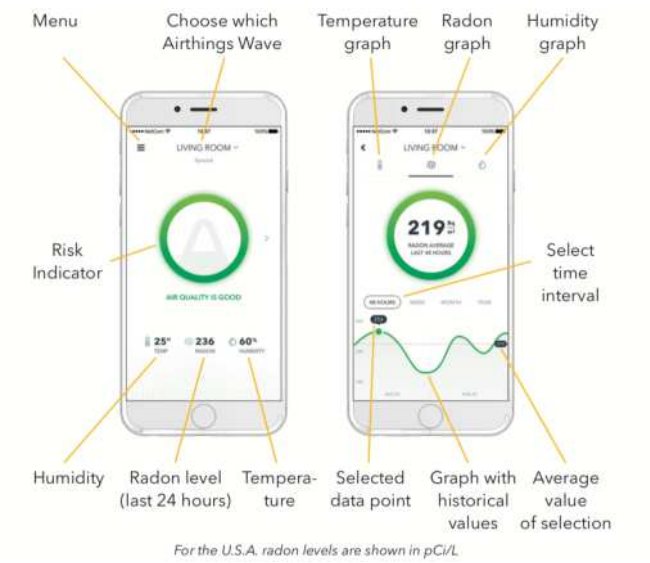


Fix the mounting bracket to the ceiling or wall, or use the stand to place on a flat surface. Make sure you use appropriate screws for your wall type. The screws included are intended for wood or drywall. Do not place it close to vents or windows. Minimum 1 meter / 3 feet distance.

Thanks to the built-in magnet, simply snap the unit onto the mounted bracket.

Basics of the App



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Wave in front of your device to see a visual indication of your daily radon levels.

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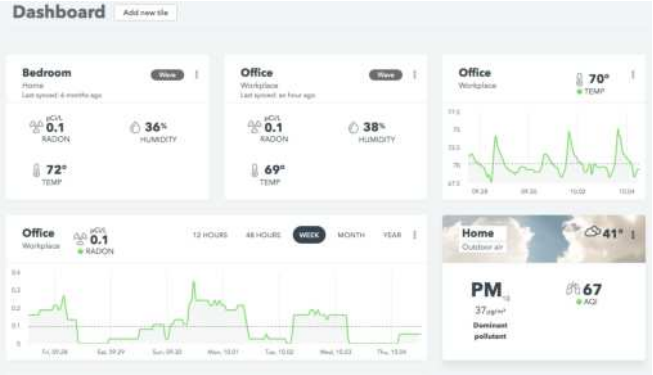

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Glow indicator

Dual flash: Waiting for connection/stand-alone mode **Single flash: Pairing**	Blue	The glow signal will flash twice in blue when the device is waiting for first connection to the app or when the device has not been connected to a phone in the last 7 days. When your detector starts pairing it will flash once.
Waiting for first result	White	No air quality assessment is available yet.
Good **Indoor Air quality is good** **Dual flash: updating internal software**	Green	Indoor Air Quality is good and all sensor values are within recommended levels.
Warning **Air quality is approaching the recommended limits**	Yellow	Indoor Air Quality levels are approaching the recommended level. Take simple steps to bring more fresh air inside and continue monitoring.
Danger **Above recommended level and action should be taken to lower your levels**	Red	One or more of the sensors are above the recommended level. Actions should be taken to increase ventilation. Check your app or dashboard for details about contaminant levels.

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Sensor icons

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Troubleshooting

First and foremost, always make sure that you have updated to the latest device software

- In the device settings menu, click update device.

Not able to connect to my device

- Make sure you have the detector within the range of 2-5 meters or 5-15 feet.
- Check if Bluetooth is turned on.
- Check if the power indicator is blinking.

My app is not updated when running in background mode

- Open your phone settings and verify that the Airthings Wave app is running in the background. You can usually find this in the app manager section of your phone settings.
- Make sure you are in Bluetooth range periodically.

No response from glow signal

- First, sync your data and then replace the batteries. We recommend AA alkaline (LR6).

If you need further assistance, read our Frequently Asked Questions, or simply contact support at support.airthings.com.

Technical specifications

Power supply: 3 AA 1.5V alkaline (LR6)

Dimensions: Diameter: 105 mm (4.13in)
Height: 45 mm (1.77in)

Weight: 135g including 3 batteries (4.7 oz)

Operational and storage environment:
Temperature: 4 °C (39 °F) to +40 °C (104 °F)
Relative humidity: < 85%

Settling time: TVOC ~ 7 days

Safety and maintenance

The Airthings Wave Mist is intended for indoor use only. Avoid direct exposure to sunlight for long periods. Avoid exposure to direct heat sources. For correct usage, make sure the detector is operating in the specified temperature range (see technical specifications).

Exposure to high humidity might permanently alter the detector sensitivity or damage it.

Do not disassemble. If the detector does not work as specified or you are in doubt, contact your local dealer or visit us at Airthings.com.

Use a dry cloth to clean the detector.

When replacing the batteries, pay attention to the polarity marks. Use AA alkaline (LR6) batteries.

Always snap the mounting bracket to the detector's rear side to protect the batteries, even when the detector is not permanently mounted.

Disposal: electronic equipment.

Limited liability

The instrument is tested and quality-assured by production. It meets the accuracy values set out in the specifications.

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RF exposure safety

This product is a radio transmitter and receiver.

It is designed not to exceed the emission limits for exposure to radio frequency (RF) energy set by the ISED.

The antenna must be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Ce produit est un émetteur et un récepteur radio.

Il est conçu pour ne pas dépasser les limites d'émission pour l'exposition à l'énergie radiofréquence (RF) établie par l'ISDE.

L'antenne doit être installé de façon à garder une distance minimale de 20 cm entre la source de rayonnements et votre corps.

L'émetteur ne doit pas être colocalisé ni fonctionner conjointement avec à autre antenneou autre émetteur.

CAN ICES-3 (B)/NMB-3(B)

This Class B digital apparatus complies with Canadian ICES-003
Cet appareil numérique de clase B est conforme à la norme Canadienne ICES-003

Regulatory information USA

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