

# Wave Mini

Indoor Air Quality Monitor  
with Mold Risk Indication

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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.

The Airthings Wave Mini provides you with detailed information about airborne chemicals, humidity, temperature, as well as mold risk indication. Wave Mini is a great way start monitoring the quality of your air, for a healthier home. Get started by connecting to the Airthings Wave App.

Breathe better, live better,

**The Airthings Team**

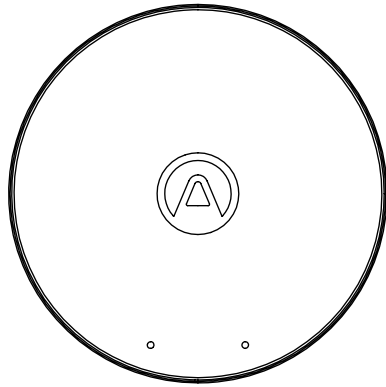
## GET IN TOUCH

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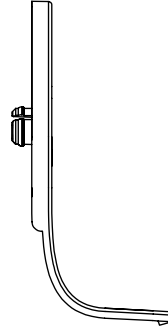
For technical support or if you have any questions or comments that we did not answer here, you can reach us the following ways:

- The Support menu in the Airthings Wave mobile app
- Chat bubble on the [airthings.com](https://airthings.com) website
- Send an email to [support@airthings.com](mailto:support@airthings.com)

# WHAT'S IN THE BOX



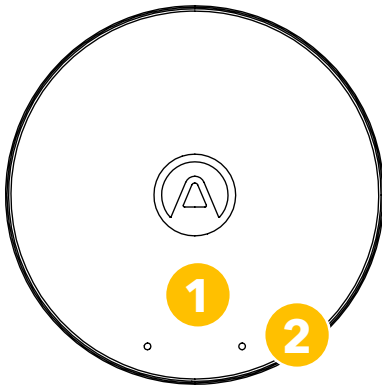
Wave Mini



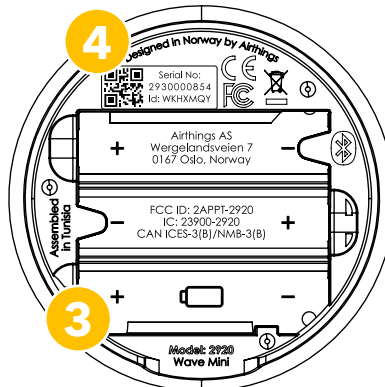
Stand

# DEVICE SPECIFICATIONS

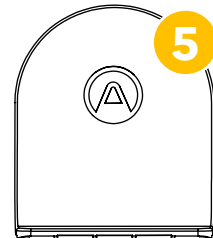
## Wave Mini Specifications







- 1. Glow signal
- 2. Wave sensor



- 3. Battery compartments (3 AA batteries inserted)
- 4. Individual serial number



- 5. Device stand

Communication	Dimensions & Weight
 Bluetooth low energy	 80 x 80 x 26mm (3.1 x 3.1 x 1")
 Airthings Smartlink 868 / 915 Mhz	 135g (4.8oz)

# WAVE MINI SETUP

## STEP 1 | Airthings Wave App

Download or update the *Airthings Wave* App from the Apple App Store or Google Play Store and create an account.

## STEP 2 | Setup

Pull the battery tab on the device and follow the in-app instructions to connect the device to your smartphone. There may be a firmware update when you start the device.

## STEP 3 | Placement

Use the handy stand, or attach it to the wall using the mounting plate and a screw. The placement of the Wave Mini depends on how you would like to use it. If you are using it as a mold risk indicator, the Mini should be placed where mold is most likely to grow. (Go to [airthings.com/mold-risk-indicator](https://airthings.com/mold-risk-indicator) for more info.) If you are using the device for overall air quality, you should place the device near where you spend your time. Next to your bed, in the kitchen, in a living room or gaming room are good options. Make sure it's not too close to any windows or ventilation.

## STEP 4 | Calibration

Allow the sensors to calibrate for 7 days.

# DAILY USE

## Wave function

Wave in front of your device for a quick visual indication of your radon or indoor air quality levels. Green means good, yellow means fair, and red means poor.

## Airthings Wave App

Your app will update automatically when your smartphone is in range of your Wave Mini. Or you can manually update when you open the app and are in Bluetooth range. The Airthings Wave App includes sensor values, historical graphs, and long and short term averages.

## Integrations

Wave Mini integrates with IFTTT and Google Assistant so you can receive air quality measurements, give voice commands and set alerts. However, with the addition of the Airthings Hub you can connect to a smart plug or smart product to control your thermostat, air purifier, or humidifier. The Hub brings your Airthings products online, wirelessly.

## How to use your Wave Mini as a mold risk indicator

For the most accurate readings, the device should be placed where mold is most likely to grow. The most vulnerable areas are often the coldest spot of the wall. Here are some suggestions:

- next to a wall or on a windowsill
- underneath or behind furniture
- towards the floor on external walls
- next to underground external walls
- behind an access door (such as inspection hatch under a bathtub etc.)

Go to [airthings.com/mold-risk-indicator](https://airthings.com/mold-risk-indicator) for more information.

## TROUBLESHOOTING

PROBLEM	RESOLUTION
Something seems off	Always make sure that you have updated to the latest device software. In the device 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.
	Make sure Bluetooth is enabled on your smartphone.
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).

## COMMON QUESTIONS

### How does the Mold Risk indicator work?

The mold risk sensor uses an algorithm based on the temperature and humidity sensors to measure how fast mold can grow under the current conditions. We have used the criteria for moisture control in buildings based on ASHRAE standards (a global society advancing human well-being through sustainable technology for all buildings).

### What is the 7-day calibration period?

When first pairing your Wave Mini you will see an alert showing the sensors are calibrating. While the temp and humidity sensors work within minutes, the VOC sensor will calibrate itself over these days to adjust to new environment.

# 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.

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.

### 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 a 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.

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

This Class B digital apparatus complies with Canadian 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.

### 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 Federal Communications Commission. The antenna must be installed and operated with a 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.

## Safety and maintenance

This product 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 for individual products). 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](http://Airthings.com). Use a dry cloth to clean the detector. When replacing the batteries, pay attention to the polarity marks. 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.

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## Frequency Bands

Frequency bands and the maximum radio-frequency power transmitted in the frequency bands in which the Airthings instruments operate:

Hub (Model:2810) / Hub Cellular (Model: 2820) FCC ID: 2APPT-2820 IC: 23900-2820	Wave 2 (Model: 2950) / Wave Plus (Model: 2930) FCC ID: 2APPT-2930 IC: 23900-2930	Wave Mini (Model: 2920) FCC ID: 2APPT-2920 IC: 23900-2920
Frequency Range (MHz):2402.0 - 2480.0 (Bluetooth) Output power: <5 mW Frequency Range (MHz) in Europe: 868 - 870 MHz (SmartLink) Output power: <25 mW Frequency Range (MHz) in North America: 902 - 928 MHz (SmartLink) Output power: <25 mW Hub 2820 GSM Frequency Range: GSM 900 MHz, GSM 1800 MHz, GSM 850 MHz, GSM 1900 MHz LTE Cat M1 Frequency Range: LTE B1 2100 MHz, LTE B2 1900 MHz, LTE B3 1800 MHz, LTE B4 1700 MHz, LTE B5 850 MHz, LTE B8 900 MHz, LTE B12 700 MHz, LTE B13 700 MHz, LTE B18 850 MHz, LTE B19 850 MHz, LTE B20 800 MHz, LTE B26 850 MHz, LTE B28 700 MHz, LTE B39 1900 MHz		

The Hub (Model 2810) and Hub Cellular (Model 2820) contain a power supply tested according to the following standards: UL60950, EN60950, BS60950, AS/NZS60950 and tested to comply with FCC standards for home or office use CAN ICES-3 (B)/NMB-3(B). The power supply is certified by TUV Rheinland US (TUV020687EA)

## EU declaration of conformity

Hereby, Airthings AS, Wergelandsveien 7, 0167 Oslo, declares that this product is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [airthings.com/hubfs/Website/Manuals/regulatory-information-booklet.pdf](https://airthings.com/hubfs/Website/Manuals/regulatory-information-booklet.pdf).

## Limited liability

The instruments are tested and quality-assured by production. They meet the accuracy values set out in the specifications. It is recommended to keep the instruments 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 instruments.

Terms & conditions can be found on [airthings.com/terms-use-privacy/](https://airthings.com/terms-use-privacy/)  
For additional questions go to [support.airthings.com](https://support.airthings.com)

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