

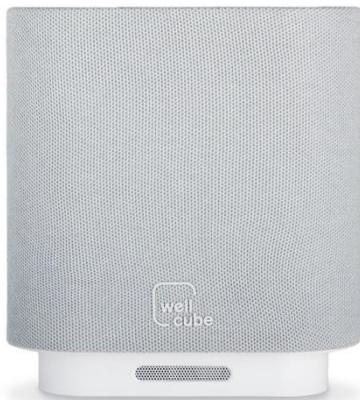


# WellCube Air

## User Manual

### Product Models

- WA280 - WellCube Air+
- WA240 - WellCube Air



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### IMPORTANT SAFETY INSTRUCTIONS

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain this product. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage. Retain instructions for future reference. Please visit [www.wellcube.io](http://www.wellcube.io) to view and download the current versions of user manuals and additional product support materials.

#### General Safety

- DO NOT use if airflow is restricted. If the air paths become blocked, turn the appliance off and unplug from the electrical outlet. Remove all obstructions before you plug in and turn on the unit again.
- DO NOT place on unstable surfaces such as chairs.
- DO only use WellCube branded filters and accessories.
- DO NOT operate in wet, damp or outdoor areas
- DO NOT operate in spaces that contain potentially explosive or toxic fumes or vapors (lighter fluid, gasoline, kerosene, paint, etc.)
- This appliance is not intended for use by anyone (including children) with reduced physical, sensory, or mental capabilities or lack of experience and knowledge unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety.
- Do not use if unit is not working as expected, or has been dropped, damaged, left outdoors, or dropped into water
- DO NOT wash device with water or chemicals.

#### Power & Cord

- DO NOT operate with a damaged cord or plug.
- DO unplug from electrical outlet when not in use and before any maintenance or cleaning
- DO keep cord away from high traffic areas to prevent tripping.
- DO NOT handle plug or device with wet hands
- DO NOT run the power cord under appliances, carpeting, throw rugs, runners, or similar coverings.
- DO NOT pull or carry appliance by the cord or use the cord as a handle.
- DO NOT unplug by pulling on the cord. Grasp the plug, not the cord.
- DO NOT stand the appliance on the power cord, close a door on the cord, pull the cord around sharp corners, or leave the cord near any heated surfaces
- DO NOT modify or disable the polarized plug. If the plug does not fit fully in the outlet, contact a qualified electrician.
- DO NOT use with solid-state speed controls (such as a dimmer switch).

**READ AND SAVE THESE INSTRUCTIONS**

## PRODUCT SPECIFICATIONS

<b>Full Device Efficiency</b>	HEPA H13 (99.97% at 0.3 micron)
<b>Room Coverage*</b>	250 ft <sup>2</sup> (72 CADR), 2 ACH
<b>CADR**</b>	72.7
<b>Filters</b>	<ul style="list-style-type: none"> <li>• Fabric Pre-Filter</li> <li>• Main Filter HEPA H13 with VOC absorption</li> </ul>
<b>Modes</b>	Auto Manual Standby
<b>Airflow</b>	Intake: Left & right sides Outlet: Top
<b>Fan Speeds</b>	<ul style="list-style-type: none"> <li>• Low: 28 CFM</li> <li>• Medium: 47 CFM</li> <li>• High: 60 CFM</li> <li>• Turbo: 71 CFM</li> </ul>
<b>Fan Noise</b>	<ul style="list-style-type: none"> <li>• Low: 32 dBA</li> <li>• Turbo: 52 dBA</li> </ul>
<b>Filter Quantity</b>	2
<b>Pre-Filter Care</b>	<ul style="list-style-type: none"> <li>• Pre-Filter: Vacuum every 3 months or as required</li> <li>• Main Filter Replacement: 6 – 12 months</li> </ul>
<b>Filter Change Indicator</b>	Yes
<b>Sensors</b>	<b>WellCube Air+</b> <ul style="list-style-type: none"> <li>• Particulate matter (1, 2.5, 10)</li> <li>• TVOC</li> <li>• Temperature</li> <li>• Relative humidity</li> <li>• CO<sub>2</sub></li> <li>• Occupancy</li> <li>• Light levels</li> <li>• Noise levels</li> </ul> <b>WellCube Air</b> <ul style="list-style-type: none"> <li>• Particulate matter (1, 2.5, 10)</li> <li>• TVOC</li> <li>• Temperature</li> <li>• Relative humidity</li> </ul>
<b>Wireless Connectivity</b>	Thread wireless mesh networking (built on IEEE 802.15.4) Range between devices: 50 ft max recommended in typical office environments, up to 100 ft open air
<b>Power Input</b>	<ul style="list-style-type: none"> <li>• 110–240 VAC 50/60 Hz plug in supply</li> <li>• 12V DC purifier input USBC-PD (20 W max), 6 ft USB-C power cable (included)</li> </ul>
<b>Energy Consumption</b>	<ul style="list-style-type: none"> <li>• Standby: 2 W, Low: 6 W, Turbo: 12 W</li> </ul>
<b>Device Dimensions</b>	<ul style="list-style-type: none"> <li>• 8" H x 7.3" W x 7.3" D</li> <li>• Weight: 4.6 lbs</li> </ul>
<b>Operating Temperature</b>	-10 – 40°C
<b>Certifications</b>	ETL FCC/ IC CARB
<b>Warranty</b>	1 year

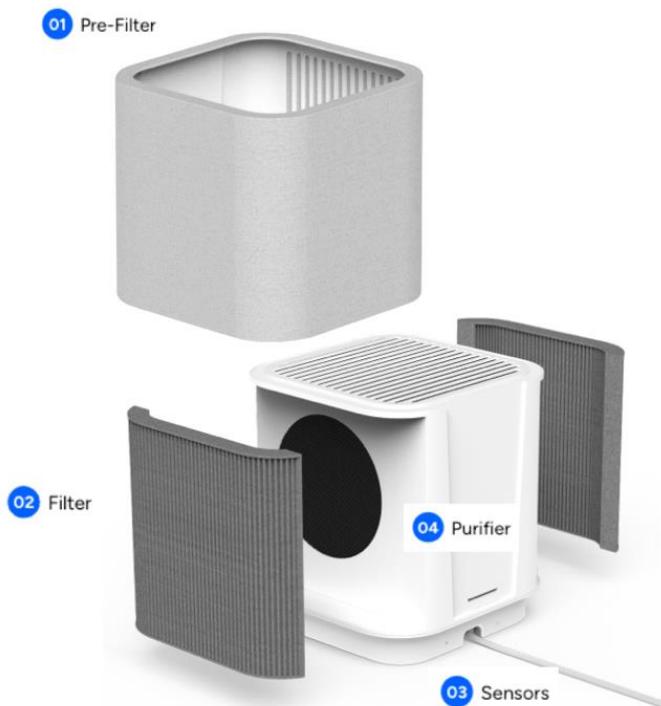
\*Assumes 8 ft ceiling height

\*\*Based on average CADR for pollen, smoke, and dust when operating at max fan speed.

# GETTING TO KNOW WELLCUBE

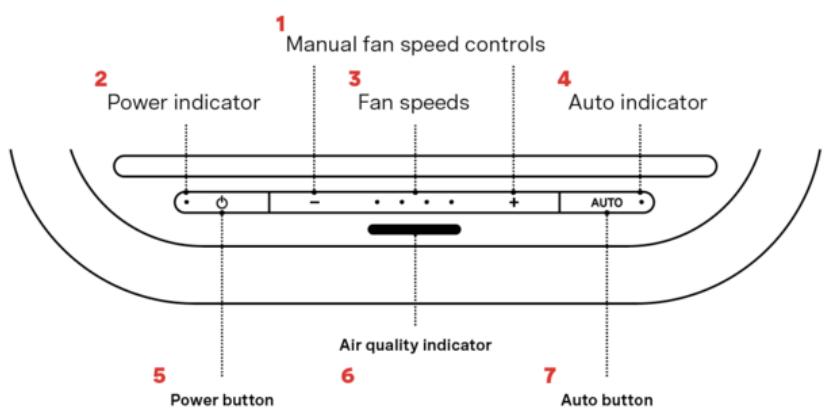
## Package Contents

- 1 x WellCube Air / Air+ Purifier
- 1 x Pre-Filter (fabric sleeve)
- 2 x Main Filters (pre-installed)
- 1 x Quick Start Card
- 1 x Power cord & plug



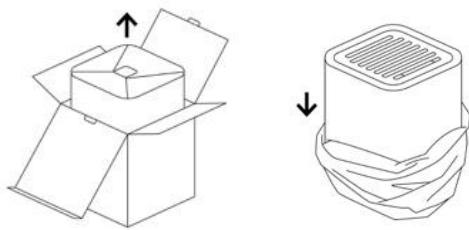
## User Controls

1. Manual fan speed controls
2. Power indicator
3. Fan speeds
4. Auto indicator
5. Power button
6. Air quality indicator
7. Auto Button



## GETTING STARTED

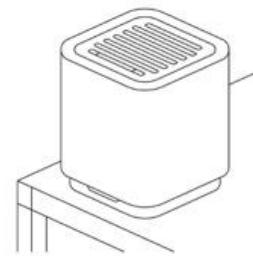
1. Carefully remove the WellCube purifier from the box and protective bag.



Also locate the included plug-in power supply and cable.

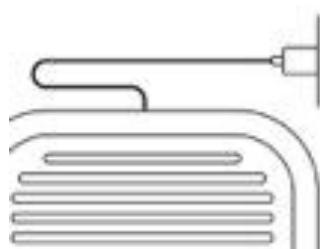
Note: WellCube packaging is designed for easy recycling.

2. Take the purifier to the designated location. Ensure the purifier is placed on a flat, stable surface.



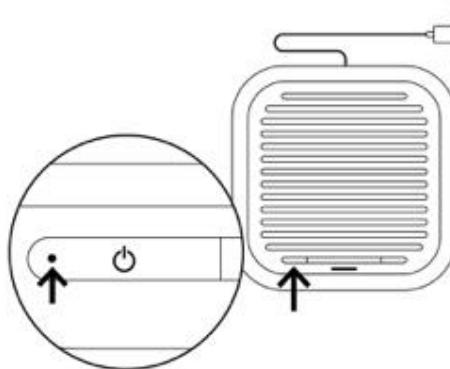
Note: There should be a minimum of 6 inches between the left and right sides of WellCube Air and any walls or obstructions that could restrict the air intake.

3. Plug one end of the included USB-C power cable into the power input port on the base of the purifier.



Plug the other end of the USB cable into the included USB-C power adapter. Now plug the power adapter into a standard wall power outlet.

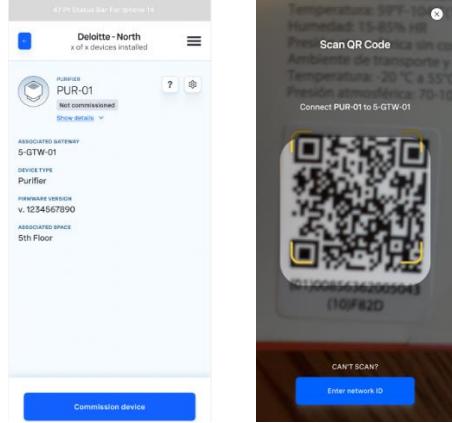
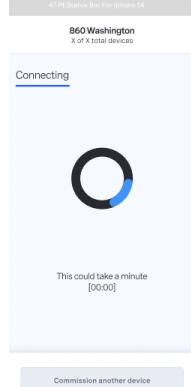
4. Once plugged into power, WellCube will power on and enter standby mode. Press the power button to power on to Auto mode.



## CONNECTING TO WELLCUBE CLOUD

WellCube Air+/Air devices have advanced capabilities that are only available by communicating with the WellCube Cloud platform. The WellCube Integrator mobile app is used to commission WellCube Air+/Air devices to the cloud. Once cloud connected, WellCube Air+/Air devices can be managed using the WellCube Workspace web application.

For more detailed instructions on using the WellCube Integrator mobile app and WellCube Workspace web app please visit [www.wellcube.io](http://www.wellcube.io)

<p>1. Before using the WellCube Integrator mobile app to commission WellCube Air+/Air devices, the following steps must be completed:</p> <ul style="list-style-type: none"> <li>• A WellCube installer account has been created &amp; appropriate permissions have been assigned.</li> <li>• A WellCube system design has been completed via WellCube Workspace App with virtual WellCube air devices added to the desired spaces.</li> <li>• WellCube Integrator mobile app has been installed on the installer's iOS or Android mobile device.</li> <li>• The appropriate WellCube Connect Gateway has been commissioned and is ready to help commission other WellCube devices.</li> </ul>	<p>2. Navigate to the target WellCube site within the WellCube Integrator mobile app. Select the desired target WellCube Air+/Air virtual device you intend to commission and begin the commissioning progress by scanning the device.</p> 
<p>3. As the device is being commissioned, there will be a screen showing the connection status on the mobile app. There is a blinking orange LED light on the device as it connects</p> 	<p>4. Once the device has successfully been commissioned, a success screen will populate on the mobile app and there will be a Green LED indicator on the device.</p> 

For additional instructions on commissioning WellCube devices using the mobile app and connectivity troubleshooting, visit [www.wellcube.io/support](http://www.wellcube.io/support)

### Disabling WellCube Cloud Connection

WellCube Air+/Air purifiers can perform basic functions without a cloud connection. To disconnect the purifier from the cloud, hold the connectivity button on the bottom of the device for 10 seconds. Note that once the cloud connection is reset, the device will need to be recommissioned before it can be controlled remotely.

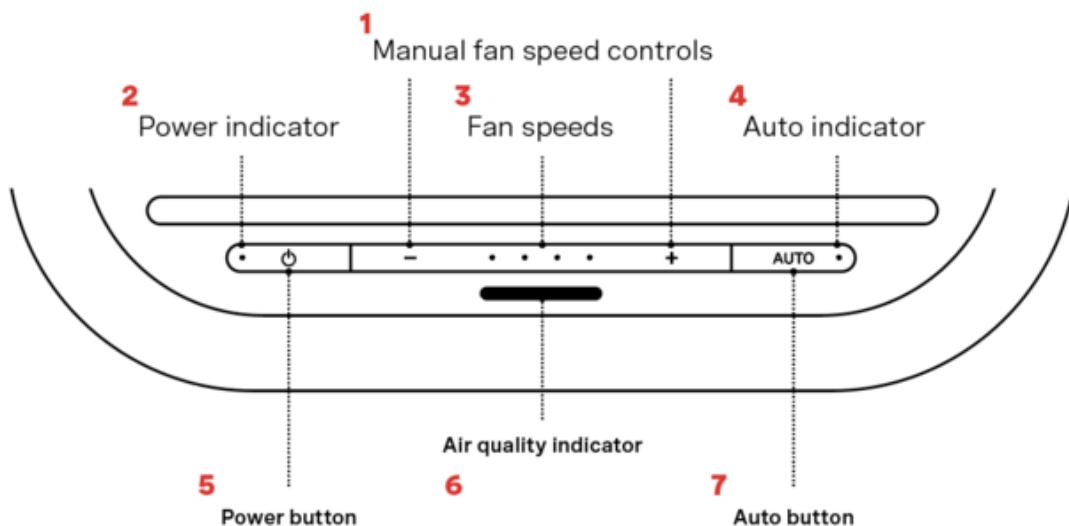
## USING WELLCUBE

WellCube is designed to automatically adjust operation speed based on current air quality. It can also be manually controlled using the built-in user interface.

### Auto Mode

- When WellCube is on Auto Mode, it will automatically adjust the fan speed based on the real-time air quality data.
  - Green / Good = Low fan speed
  - Orange / Air = Medium fan speed
  - Red / Poor = High fan speed

### Manual Controls via Onboard Interface



#### Air Quality Indicator:

- Green: indicates your air quality is good, with a low level of particle concentration
- Orange: indicates your air quality is fair, with a moderate level of particle concentration
- Red: indicates your air quality is poor, with a high level of particle concentration

#### Auto Mode:

- In the auto mode setting, the fan speeds automatically adjust based on the real time air quality readings. As the air quality improves, the fan speed may decrease. If the air quality worsens, the fan speed will increase. Leave your device in auto mode for optimal filter life.

#### Power button function:

- Power Button switches the unit between on and standby. In standby, the sensors will continue to report and the purifier fan will remain off. Auto is the default operating mode when the WellCube device is turned on.

#### Fan speed control (manual):

- You can use the fan speed controls to manually adjust the speed of the unit. Selecting the up (+) or down (-) fan speed control will deactivate auto mode in order to increase or decrease the fan speed to your selected level. You must reactivate auto mode by pressing the "AUTO" button or from within the software.
  - Low: Noise: 35.4 dB CFM: 28.4
  - Medium: Noise: 43.6 dB CFM: 46.6
  - High: Noise: 49 dB CFM: 60
  - Turbo: Noise: 53 dB CFM: 70.4

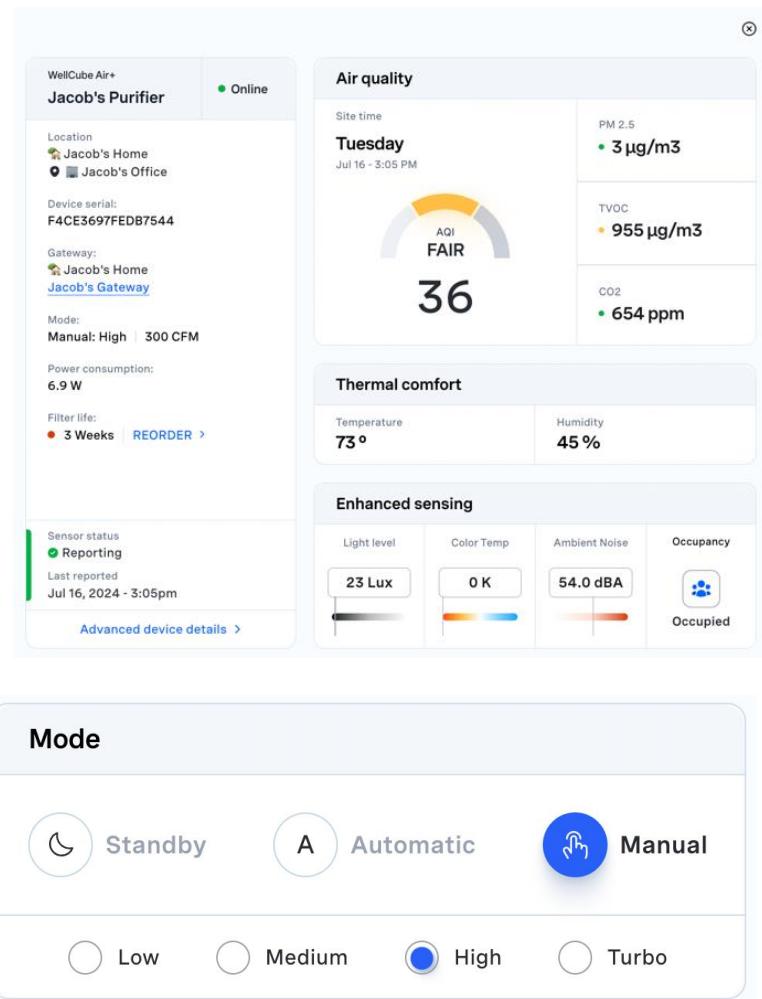
## Remote Control of WellCube via Web app

**Mode:** This remote functionality can be found in the Web Application under Devices

- Standby: In standby, the sensors will continue to report and the purifier fan will remain off.
- Automatic: In the auto mode setting, the fan speeds automatically adjust based on the real time air quality readings.
- Manual: You can use the fan speed controls to manually adjust the speed of the unit by selected the button on the screen

**Sensor and Device Status:** This remote functionality can be found in the Web Application under Devices

- Device Details: This displays the device information and location of the device
- Air Quality: All reporting is shown on the device details screen and will allow the user to understand the status in detail
- Connectivity and Reporting: This will allow for clear understanding on status of online and offline devices



## CARE & MAINTENANCE

- Pre-filter (fabric sleeve) should be vacuumed every three months
- Main filters should be replaced every 6 months
- Connectivity & firmware updates will happen automatically to make sure the system always stays up to date

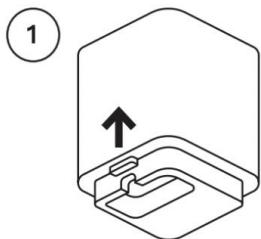
### Maintenance Schedule

• 0 months – Install
• 3 months - Vacuum the pre-filter
• 6 months - Filter change this will be indicated and scheduled through the web application
• 9 months - Vacuum the pre-filter

Change your filters at the recommended intervals to avoid particle and dust build up. Do not clean the filters with water. Do not use the unit without the filter in place. Prior to cleaning and other maintenance, the appliance must be unplugged from the electrical outlet.

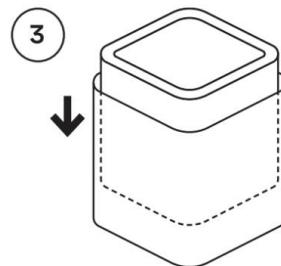
# FILTER REPLACEMENT

## Pre-Filter Replacement Information



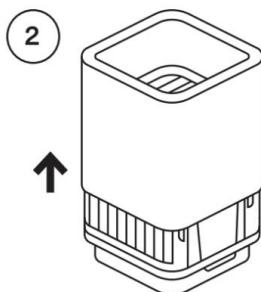
### Unlock

Unlatch the pre-filter by pressing the button on the back of the purifier.



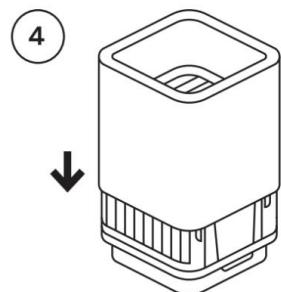
### Unwrap

Remove the plastic protecting the pre-filter replacement.



### Remove

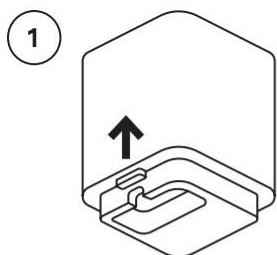
Lift the pre-filter upwards and remove.



### Replace

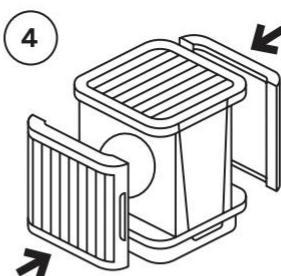
Put the pre-filter replacement in its place. Press down firmly until you hear or feel a click.

## Filter Replacement Information



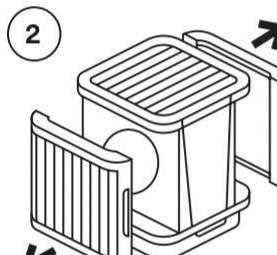
### Unlock and remove pre-filter

Unlatch from the back and lift the cover upwards.



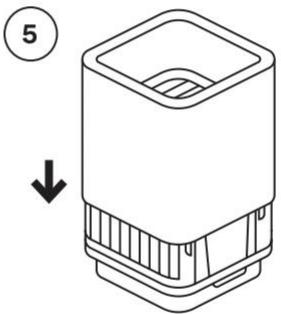
### Insert replacement filters

Snap the replacement filters into place on both sides of the purifier.



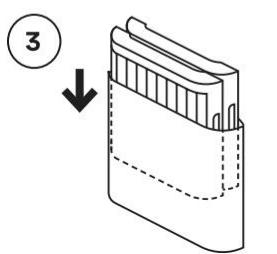
### Remove main filters

Pull out the main filters from both sides of the purifier.



### Secure pre-filter

Put the pre-filter back in its place. Press down firmly until you hear or feel a click.



### Unwrap replacement filters

Remove the plastic protecting the main filter replacements.

## TROUBLESHOOTING

Product	
What are the recommended settings?	WellCube should operate in the auto mode setting. Users may also set the devices to low, medium, high, or turbo fan speeds for any special use remediation.
What is auto mode?	Auto mode allows the air purifiers to purify the air based on the data inputs received from the built-in sensors and data points collected by other WellCube devices
Why is my control panel not working?	If your device isn't working, unplug the device. Wait 20 seconds and plug the device back in. Check to make sure the device connects to the system. If that doesn't work, please visit <a href="http://www.wellcube.io/support">www.wellcube.io/support</a>
Air Quality	
What does my AQI score mean?	Your AQI score indicates good, fair, or poor the air quality in your space is. The metric considers PM, CO2, and TVOC levels.
Why is my air quality indicator green?	A green light on the control panel indicates that your air quality is good.
Why is my air quality indicator yellow?	A yellow light on the control panel indicates that your air quality is fair.
Why is my air quality indicator red?	A red light on the control panel indicates your air quality is poor.
Filter	
Can I wash the filter?	No, you should not wash your filter.
How often should I replace the filter?	The filter should be replaced once every 6 months.
Where can I buy replacement filters?	You can buy new filters through your account manager, or on <a href="http://wellcube.io/shop">wellcube.io/shop</a> . You will also automatically be sent new filters once every 6 months.
Cloud Connectivity	
Why does the dashboard show my device offline?	Check the device connectivity light, if this light is not showing a green "connected light" the device may be out of range of the gateway. Move the purifier closer to either the gateway or another purifier that is showing connected.
Why does the dashboard show my gateway offline?	Confirm that your internet network is still online. Confirm that the ethernet cord is plugged into the WAN cord of the gateway,

For any questions or assistance, please visit [www.wellcube.io/support](http://www.wellcube.io/support)

## PRODUCT WARRANTY & CERTIFICATIONS

### Warranty

Your WellCube is covered by a 1-year warranty under normal use. This warranty ensures that any defects in materials or workmanship will be repaired or replaced at no cost to you. Please keep your proof of purchase to validate your warranty claim. For more information, visit [wellcube.io/warranty](http://wellcube.io/warranty).

# Regulatory Compliance



FCC ID: 2BCO6-WA280  
IC ID: 31915-WA280

This product is classified as electrical and electronic equipment. Should the time come for you to dispose of this product, please ensure that it is not mixed with general household waste. For proper treatment, recovery, and recycling, please take this product to a designated collection point. Please contact your local authority for further details of your nearest designated collection point.

## FCC Statement: Warning Information

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.

Changes or modifications to this equipment 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. Privacy of communications may not be ensured when using this device.

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.

## This device is not permitted for use on satellites.

## Industry Canada Statement: Warning Information

This device complies with Industry Canada license-exempt RSS standard(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 d'Industrie Canada 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

RF Radiation Exposure Statement Caution: This Transmitter must be installed to provide a separation distance of at least 20 cm from all persons.  
— Déclaration d'exposition Attention: Cet émetteur doit être installé pour fournir une distance de séparation d'au moins 20 cm de toute personne.

This radio transmitter [31630-HOOMAXH5EA] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

— Le présent émetteur radio [31630-HOOMAXH5EA] a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenne énumérés ci dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué pour