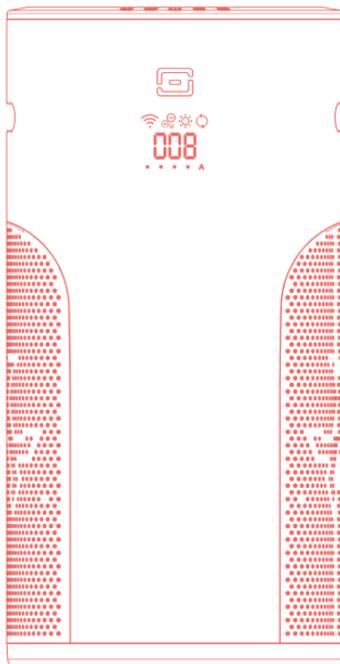


AIRVIA

Origin 40



User Manual

Thank you for purchasing an **AIRVIA Medical** Air Purifier. Please read this User Manual carefully before using your product. **Make sure to store this manual in a safe place for future reference.**

Table of Content

I – Package Contents	3
II – Getting started	4
III – Technology Overview	14
IV – Technical Characteristics	17
V – Maintenance	18
VI – Troubleshooting	21
VII – Safety Instructions	22
VIII – Warranty	24

I – Package Contents



Main Unit
(includes filter)



Power plug



Remote

Take all items out of the box and unpack them. Verify that you have all the items listed above and that they all appear to be in good condition. Please contact us if any item is missing or appears damaged.

II – Getting started

1) Product Overview

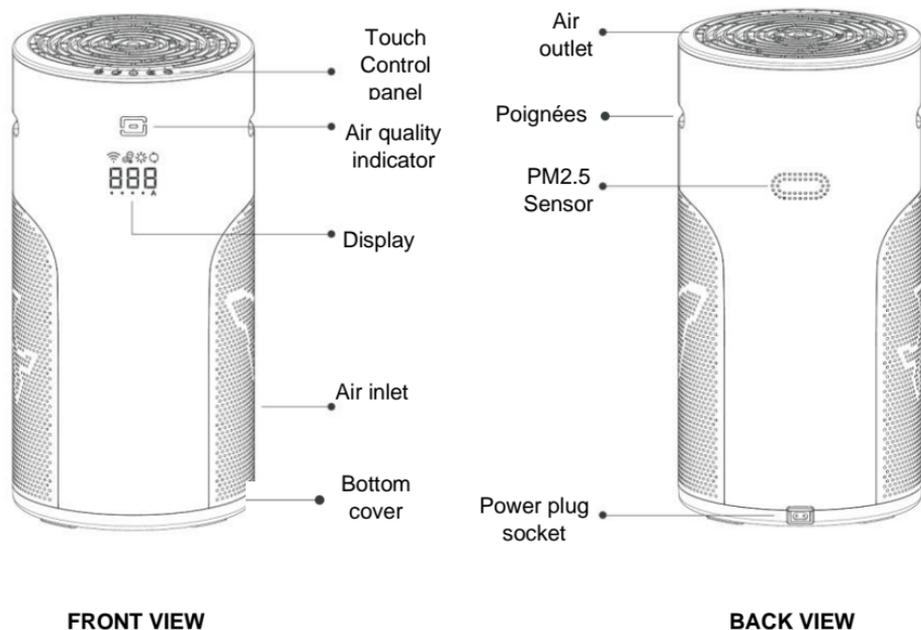


Figure 1 – Main unit

Please note that, contrary to the bottom cover, the top cover cannot be removed. Be careful not to drop anything in the air outlet of the top cover. If any object falls into the air outlet, turn off the unit and remove object. You may turn the unit upside down if necessary.

2) Using the main unit without the remote

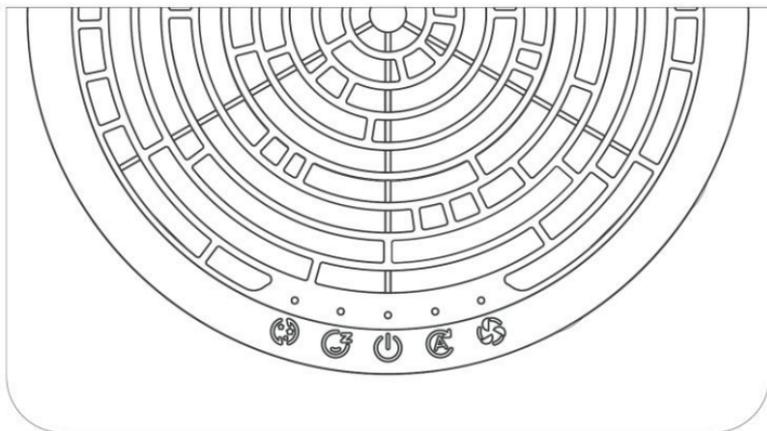


Figure 2 – Top view of the unit

Start by plugging the main unit into an electrical outlet. The unit will emit a single beep and the power button will turn **red**. This means that the unit is plugged in and on stand-by.

Power button

To turn the unit on, **press** the power button (1-2 seconds). The unit will emit a single beep and the power button will turn **green**. This means the unit is on and set on speed 1.

Speed control

To increase the speed, simply **press** the power button. Every press will increase the speed by one increment. Once speed 4 is reached, every press will decrease the speed by one increment. Refer to Figure 3 below

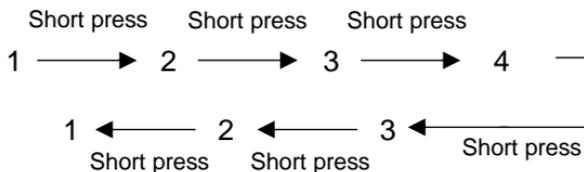


Figure 3 – Speed control using the  button

Automatic mode

When in automatic mode, the main unit automatically adjust its speed depending on the indoor particle pollution (PM2.5) level. Note that the unit will not automatically turn on or off. However, this can be programmed using the Tuya Smart app, see section II.4.

With the main unit on, press the  button to turn the automatic mode on/off.

Pollution level ($\mu\text{g}/\text{m}^3$)	0-20	21-115	115-500	>500
Auto Speed	1	2	3	4

Note: If you manually change the speed on the Remote Control Display or on the main unit while the Automatic mode is on, this will turn the Automatic mode off

Night mode

Sleep mode is a mode where the main unit is particularly quiet and the lights are dimmed. It is meant to be used at night, when you sleep or at any other time that you want a more discrete mode of operation.

With the main unit on, press the  button to turn the Sleep mode on/off. In Sleep mode, the main unit will run extremely quietly and the air quality indicator bar will turn off.

UV lamp

With the main unit on, press the  button to turn on/off the UV function.

Note that, when the UV function is OFF, the photocatalysis function is also off.

Negative Ion function

This function can be activated/deactivated by **long pressing** (3 second) the  button.

2.1) Main unit display screen



 **Connectivity:** This symbol will appear permanently on the screen once the pairing between the unit and the mobile app is complete. During initial pairing, this symbol will flash for 3 minutes (while the app scans for the device).

 **Negative ion functions:** This symbol appears on the screen when the negative ion function (ionization) is activated

 **UV function:** This symbol appears on the screen when the UV and photocatalysis functions are activated.

 **Filter change indicator:** This symbol appears on the screen when it is time to change the filter. To make it disappear, see instructions on how to change the filter in section V.4.

● **Speed level:** the number of dots corresponds to the level of speed.

A **Automatic mode:** This symbol appears on the screen when automatic mode is activated.



Pollution level: This corresponds to the PM2.5 fine particle level, measured in $\mu\text{g}/\text{m}^3$.

PM stands for “Particulate Matter” and corresponds to fine particle pollution, a mix of solid particles and liquid droplets present in the air. Some particles are large enough to be visible with the naked eye, such as dust or smoke. But many particles are much smaller than that. PM2.5 corresponds to fine inhalable particles with a diameter of 2.5 micrometres and smaller. That’s 30 times smaller than the average human hair!

The World Health Organization (WHO) recommends that PM2.5 do not exceed 10 $\mu\text{g}/\text{m}^3$ annual mean, or 25 $\mu\text{g}/\text{m}^3$ 24-hour mean.

Below are the colours and grades corresponding to each data range:

Pollution level ($\mu\text{g}/\text{m}^3$)	0-20	21-115	115-500	>500
Colour	Green	Blue	Yellow	Red

3) Using the main unit with the remote

Before first use, open the battery compartment at the back of the remote control and **remove the round plastic film on the battery**. Once done, the remote will be operational. To control the air purifier, please point the remote towards the display screen of the unit.

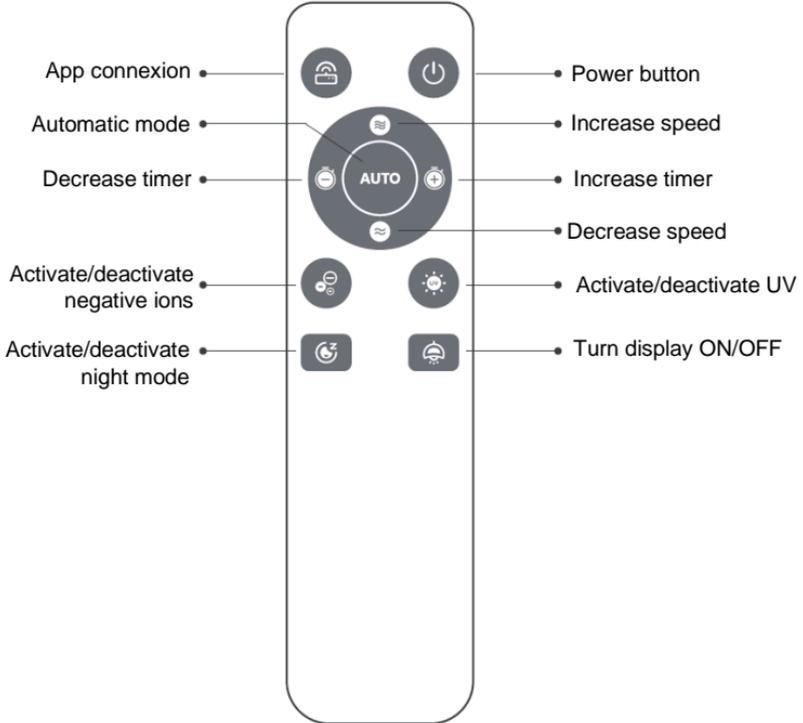


Figure 4 – Remote



When the display is turned off via this function and any button is pressed, the display will temporarily turn on again for 10 seconds.

4) Using the main unit with the Tuya Smart mobile app

4.1) Download the app

The **Tuya Smart** app can be downloaded from the Play Store on Android or the App Store on iOS.



Tuya Smart mobile app

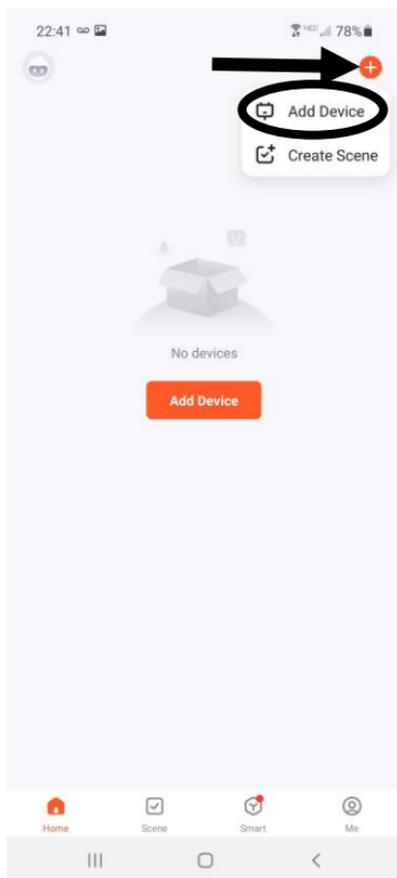


4.2) Connect to the unit

Make sure your phone is connected to Wi-Fi and both GPS and Bluetooth are turned on (to help the app scan for the unit). Open the Tuya Smart app. You can either create an account or select the “Try Now” option.

Use the “Scan” function to scan the QR code of the ORIGIN 40 which is located on the label on the back of the device as well as below.

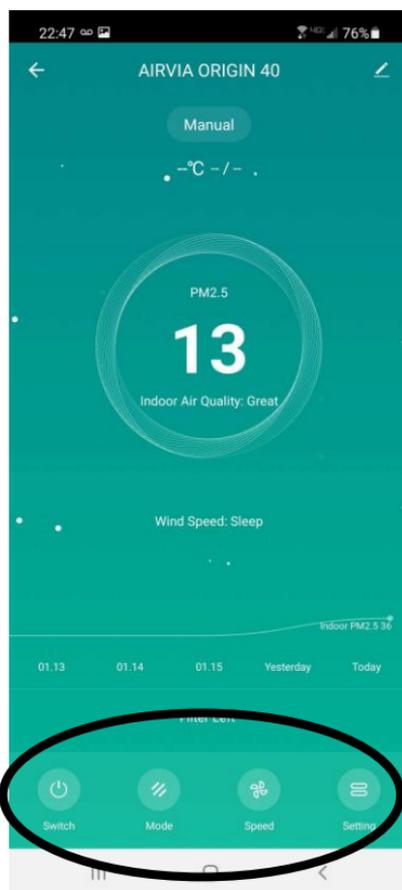




Once the device is added in the app, **long press** (5 seconds) the  button on the top of the unit until you hear a beep from the unit. You will then see the Wi-Fi indicator  flashing on the unit's display screen.

Now enter the password of your Wi-Fi network so that the air purifier can connect to the internet and to the application. Follow the on-screen instructions to complete the set-up in Tuya.

Once the purifier is added to the app, you can control it from your phone. Simply select the device to access pollution data and control buttons:



4.3) Voice controls (Google Assistant and Alexa)

You can connect Alexa or Google Assistant to the Tuya Smart app. You can either use the device name (AIRVIA ORIGIN 40) or simply “air purifier”.

If you have trouble getting the instructions to work, try renaming the device to something simpler in the Tuya Smart app, such as “ORIGIN” or “air purifier”.

Alexa instructions

- *“Alexa, turn ON/OFF AIRVIA ORIGIN 40 “*
- *“Alexa, set AIRVIA ORIGIN 40 to sleep/auto/manual”*
- *“Alexa, set AIRVIA ORIGIN 40 fan speed to low/mid/high”*
- *“Alexa, turn ON/OFF anion on the AIRVIA ORIGIN 40“*
- *“Alexa, turn ON/OFF UV on the AIRVIA ORIGIN 40“*

Google Assistant instructions

- *“OK Google, turn ON/OFF AIRVIA ORIGIN 40“*
- *“OK Google, set fan speed to low/mid/high/auto on AIRVIA ORIGIN 40“*
- *“Ok Google, turn ON/OFF sleep on AIRVIA ORIGIN 40“*
- *“OK Google, turn ON/OFF anion for AIRVIA ORIGIN 40“*
- *“OK Google, turn ON/OFF UV for AIRVIA ORIGIN 40“*

III – Technology Overview

1) The AIRVIA difference

Air purifiers are used to clean and purify the air. They act both preventively and curatively.

AIRVIA Medical air purifiers are high-end products that combine all the best existing filtration technologies. This allows them to achieve unparalleled efficiency while ensuring a broad spectrum of action.

The CADR (“Clean Air Delivery Rate”) is the benchmark indicator used to assess the effectiveness of a purifier. It measures the volume of air cleaned in a given time. At over 420m³/h, the ORIGIN 40 is one of the best on the market. It can clean the air in a space of 40 m² in just a few minutes. The ORIGIN 40 comes with several speeds to adapt to all spaces and all uses.

Its innovative design is directly inspired by aircraft turbines to ensure optimal air mixing. Its cylindrical shape makes it possible to have 360° air suction and a vertical discharge system so as to efficiently mix the air.

In addition to this in-depth action, our purifiers target a very large number of pollutants. They filter more than 99.97% of all particles, including fine particles down to 0.01 microns. Our products have a triple function: fight germs, fight allergens, and provide protection against irritating, polluting and toxic particles. They completely eliminate airborne germs (bacteria, viruses, spores, mould), allergens (mites, pollens, dust, animal hair) and smoke (tobacco, fire, barbecue) as well as many gases, toxic particles (formaldehyde, VOC, fine particles, exhaust pipes) and bad odours.

The ORIGIN 40 uses sensors to give you real-time information on the air quality of your space.

2) Filtration technologies

AIRVIA Medical air purifiers combine 8 different filtration technologies to filter all toxic particles **without rejecting any ozone**.

The filtration process consists of a multi-layer filter with 6 different technologies, a UV lamp, and an ionizer. You will find the description of each of these functions below.

Multi-layer filter:

- Pre-filter: traps all large particles (larger than one micron) such as hair and dust.
- Bamboo fibre: bamboo is a natural material with strong antibacterial properties. Its complex microstructure also gives it excellent particle filtration properties.
- Lysozyme: a molecule which is part of the immune system of most animals. It provides a natural and effective action against microbes by attacking their cell walls.
- HEPA filter: HEPA is an acronym which designates a High Efficiency Particulate Air filter. This is the guarantee that our devices are able to filter, in a single pass, more than 99.97% of particles with a diameter greater than or equal to 0.01 microns. HEPA is the benchmark certification on the market, and it is used in medical, pharmaceutical and various advanced industries. We also use one of the most efficient versions: HEPA H13.
- Activated carbon: a carbonaceous material with a porous structure, which gives it a high fixing and retention property. Very effective against fine particles pollution. Used in cigarette filters, aquariums and fallout shelters.
- Photocatalysis: a chemical reaction activated by the UV lamp which produces molecules which reacts with the pollution particles present in the air and degrades them.

Other technologies:

- UV lamp: powerful disinfection method against microorganisms.
- Ionization: the only “active” filtration method. It consists of the diffusion of negative ions (anions) in the air. Due to their polarity, these ions are highly reactive and will target pollution particles of positive polarity. They will either cause them to disintegrate or fall to

the ground by weighing them down, thus ensuring your lungs are protected.

AIRVIA Medical uses a particularly powerful version of this technology to generate 5 million particles per cm³ at outlet, with a 1m range.

Negative ions are commonly associated with a feeling of well-being due to their presence in natural environments such as mountains, forests and waterfalls. Many health benefits have also been reported according to preliminary studies.

IV – Technical Characteristics

DONNÉE	CARACTÉRISTIQUES			
CADR _{PM} (m ³ /h)	Speed 1/Sleep Mode = 100; Speed 2 = 210; Speed 3 = 330; Speed 4 = 420			
CADR _{HCHO} (m ³ /h)	Speed 1/Sleep Mode = 43; Speed 2 = 51; Speed 3 = 95; Speed 4 = 100			
CCM _{PM}	P3			
CCM _{HCHO}	F3			
Purification Efficiency	"High Efficiency" grade ($\eta_{PM} = 10,30 \text{ m}^3/(\text{W}\cdot\text{h})$) "High Efficiency" grade ($\eta_{HCHO} = 3,00 \text{ m}^3/(\text{W}\cdot\text{h})$)			
Noise Level	Speed 1 = 32dB; 2 = 43dB; 3 = 54dB; 4 = 60dB			
Range	Up to 40m ² (430 sq.ft) – 112m ³			
Sterilization Rate	> 99.9% of germs			
Negative Ion density	5 millions PCS/cm ³ at outlet – 1m range.			
Fan Speeds	4 levels (1-2-3-4)			
Input Voltage	100V AC - 60Hz (UK plug) - 220V AC - 50Hz (EU plug)			
Input Power	Speed 1 = 12W; 2 = 18W; 3 = 32W; 4 = 49W <i>Includes the two UV lamps (10W)</i>			
Product Dimension	27,5 cm (diameter) × 54,2 cm (height)			
Net Weight	6.0 kg			
Body Material	ABS thermoplastic polymer			
Sensors	Fine particles Sensor (PM2.5)			
Multi-layer filter	Pre-filter + Bamboo fibre & Lysozyme + H13 HEPA filter + Activated charcoal + Photocatalysis 23,0 cm (diameter) × 34,5 cm (height)			
Purification Technologies (in addition to filter)	Negative Ions			
	UV Sterilization (2 UV lamps – 10W – 254nm)			
Air Quality Indicator bar	Excellent	Good	Moderate	Bad
	Green	Blue	Yellow	Red

V – Maintenance



Turn off and unplug your device before any maintenance operation. Aside from replacing the filter, non-professionals are not allowed to disassemble the device in order to avoid electric shock.

1) Cleaning the Air Purifier (once a month)

- Do not clean any part of the device with abrasive, corrosive, or flammable cleaners such as cleanser, alkaline detergent, diluent, bleach, alcohol, gasoline, or organic solvents.
- The negative ion function of the air purifier can generate a small static electricity effect which can lead to dust accumulation. It is recommended to clean the outside of the unit **once a month**. With the power supply disconnected, wipe the device with a dry and soft cloth, a microfiber cloth or a feather duster. Do not expose to water or any other liquid to prevent it from penetrating into the device, where it could cause potential risks and damages.
- Use a soft brush to clean the air inlet and outlet.

2) Maintenance of Filter (once a month)

- The lifetime of the filter depends on the levels of air pollution in the environment you use it in. The recommended lifetime of the filter is one year but this will vary according to the aforementioned conditions. The filter change indicator lights up when it is time to change the filter.
- You can extend the lifetime of the filter by regularly cleaning it, as described below. We recommend doing so **once a month**. **The filter should never be washed or exposed to water**. Remove the filter from the main unit, as shown in the paragraph 3) below. Use a brush or a vacuum cleaner to rid the filter of the larger particles. You can restore part of the filter performance and extend its lifetime by **exposing it to direct sunlight for a few hours**.

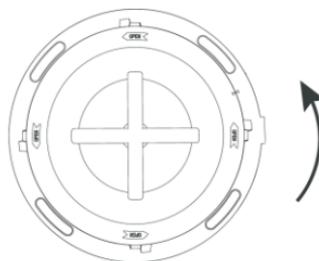
- If the filter is exposed to high humidity for a long time (such as during prolonged rainy weather), you should take it out, clean it and expose it to direct sunlight for at 8 hours. If you fail to do so, the filter might get saturated by the accumulation of water molecules and stop efficiently cleaning you indoor air pollution.

3) Replacement of Filter (once a year)

- To ensure proper performances, you should only buy filters provided by AIRVIA Medical.
- The “Filter” is actually a composite filter made of several layers each made of a different filtration technology. Refer to the Technical Characteristics table for more information. As a result, you only need to replace this one filter to completely restore all the filtration functions, except for the negative ion and the UV. The Negative Ions function does not ever need to be replaced. The UV lamps last 20,000 hours.
- The filter should be changed once a year and/or when the  appears on the display.



Step 1: Turn off the unit and unplug the unit. Turn the unit upside down.



Step 2: Remove the bottom cover by turning it counterclockwise using the cross-shaped handle.



Step 3: Use both hands to slowly slide the old filter out.

Step 4: Take the new filter out of its plastic bag and use both hands to slowly slide it in. Place the bottom cover back in place and rotate it clockwise to lock it.

Step 5: Turn the unit right side up and plug it in.

Step 6: Once the filter has been replaced, reset the filter status indicator. To do this, press and hold the  button for a few seconds until the  symbol disappears from the screen.

4) Replacement of UV lamps (every 20,000 hours of use)

The UV lamps are designed to last 20,000 hours, which equals to 13,5 years if you use the air purifier 4 hours a day, or 7 years if you use the air purifier 8 hours a day. To access the two UV lamps, remove the bottom cover and filter (see previous paragraph). To order replacements, email info@airviamedical.com.

VI – Troubleshooting

Issue	Possible Cause(s)	Solution(s)
Main unit does not work	Main unit is not plugged in	Plug the main unit into an outlet
	Bottom cover not fitted correctly	Make sure cover is secure and filter is inserted
Main unit emits a lasting smell	New filter	This is normal with a new filter and is due to the natural bamboo fibre. The smell will go away after a few hours of use
	Old filter	Inspect the filter to see if there is a tear or if anything is stuck in it. Replace the filter
Main unit makes a strange noise	Filter reached the end of its lifetime	Inspect the filter to see if it looks dirty. Replace the filter
	A foreign object fell into the air outlet	Turn the unit off and unplug it. Turn it upside down and shake it gently until the object falls out.
Pollution levels on the display screen do not go down	Filter reached the end of its lifetime	Inspect the filter to see if it looks dirty. Replace the filter
	The sensors may be temporarily affected by water vapour, gas, alcohol, oil, smoke, or sprays	Wait for the air to clear and for the remote sensors to restore to normal state
	Windows or door might be open, or there might be a continuous source of pollution in the room	Close your windows and/or doors. Check any possible source of pollution and remedy it
	The main unit might not be placed in a good location, making it more difficult for it to mix the air	Change the position of the Main unit and/or increase the fan speed
Air flow has decreased over time	This is normal in high-dust environments or if the filter is nearing the end of its lifetime	Clean or replace the filter

Main unit does not react to changing air pollution levels	Automatic mode is off	Turn Automatic mode on
Display does not turn on	Main unit is off	Turn the main unit on
	Main unit is on	Check that Night mode is off ( button)
Please contact us at support@airpurifier.co.uk if you cannot solve your issue. Do not disassemble the device yourself.		

VII – Safety Instructions

1) Precautions

- Make sure to turn off and unplug the device before inverting or tilting it.
- To avoid electric shock, non-professionals are not allowed to disassemble the device.
- If your home's voltage is unstable, please use a voltage regulator with this device. Check the label at the back of the unit for device power and voltage.

2) Main unit

- Store in a well-ventilated place and avoid long exposure to direct sunlight to avoid any deformation, deterioration, or malfunction.
- Place on a flat and stable surface to prevent the unit from toppling over.
- Do not place directly under an air conditioner or air conditioning vent, to avoid condensation water dropping into the product.
- Do not place near concentrations or possible leakages of oil or flammable gases to avoid any fire caused by such molecules absorbed into the device.
- Do not plug any other devices in the same outlet as the one used for the main unit.

- Do not place the device in any environment with excessive heat, cold, moisture, or dust; or near a fire.
- Do not put any items on top of the device to avoid objects to fall into the interior of the unit where they could cause damage.
- Negative ion target positively charged pollution particles and weigh them down to the ground. So you might notice an increased quantity of dust within a 1.5m range around the unit. You should vacuum this area regularly. Please do not put any objects that could accumulate dust within that range.
- If the device will not be used for a prolonged period of time, please unplug it.
- For your safety and the device's guarantee, only use filters and affiliated accessories provided by AIRVIA Medical.
- Do not use the main unit as a ventilation fan.
- **The main unit is not designed to filter carbon monoxide.** Do not use in an environment where carbon monoxide is present or may leak, it could lead to burns or fires.
- While the main unit is running, do not use sprays or pesticides. Every time you use sprays or pesticides when the unit is off, make sure to properly ventilate and air out the room afterwards.
- Do not insert any object or body part in the air inlet, air outlet or other opening to avoid any electric shock or injury.

2.1) Power Plug

To avoid electric shock, fire or smoke, stop using the main unit and unplug the power cord immediately in the following cases:

- L'unité principale cesse de fonctionner lorsque le cordon d'alimentation est déplacé.
- Le bouton de commande de l'unité principale fonctionne mal
- Le cordon d'alimentation ou la fiche secteur sont anormalement chauds
- L'unité principale émet une odeur de brûlé
- Vous entendez un son ou sentez une vibration anormale

2.2) Power Cord

- Do not cut, modify, over-twist, screw, or squeeze the power cord. Do not put the power cord close to a heat source or put heavy objects on it. This could damage the power cord and lead to a fire or electric shock.
- If the power cord is damaged, it must only be replaced either by the maintenance department of the manufacturer or an electric specialist.

3) Filter

- Do not use the filter in any environment above 60°C and/or above 60% relative humidity.
- Store this product in a cool and dry place and do not put it in any environment where the humidity and/or temperature varies greatly. Do not keep it outdoors.

4) Special Warnings

Please only use the product once you have read the entire user manual. It is not recommended to let children near the main unit or operate the main unit without proper supervision.

VIII – Warranty

For after-sales questions or claims, please contact AIRVIA Medical at support@airpurifier.co.uk or fill out the form here: www.airpurifier.co.uk/pages/after-sales-service.

1) Air purifier

The AIRVIA ORIGIN 40 is under warranty for three (3) years, from the date of purchase against any hardware failure. If you have a hardware problem with your AIRVIA Medical air purifier, please contact our customer service or the AIRVIA Medical distributor who sold you the product.

Improper use of the device automatically voids the warranty. The warranty does not cover malfunctions or degradations caused by the user or by an external cause (examples: product having been dropped, shock, lightning, etc.). The warranty also does not cover devices that have not been properly maintained. It is therefore essential to change your filters regularly every 12 months to avoid damaging the device.

The warranty also does not cover normal wear and tear of the product.

2) Items not covered by the warranty

The warranty does not cover accessories such as filters or UV lamps. The following is also not covered under the warranty.

2.1 Any leakage or spillage of liquid on or in the products and causing a malfunction of the device.

2.2 Problems caused by unauthorized modifications to the device.

2.3 Problems caused by an accidental fall while using or handling the device.

2.4 Problems caused by use not in accordance with the instructions in the user manual.

2.5 Damage caused by natural disasters (fires, earthquakes, floods, lightning, etc.).

3) Conditions and return costs

3.1. Return conditions of the air purifier

In the event of a complaint or material defect in the purifier during the first five years of the date of receipt, the parts are insured by AIRVIA Medical. If it turns out that the item cannot be repaired, an exchange or credit will be offered.

Shipping, return, and repair costs will be covered by AIRVIA Medical during the first two years of warranty. Beyond that, shipping, return,

and repair costs will be borne by the customer. Only the price of the parts will be covered by AIRVIA Medical.

In order to take advantage of the guarantee, you must keep the purchase invoice, the product packaging, and all the components (purifier and accessories). It is imperative to return your device in its original packaging.

3.2 Droit de retour

To initiate a return, please contact AIRVIA Medical or the AIRVIA Medical distributor who sold you the product. Please indicate the reasons for the return by emailing support@airpurifier.co.uk. We will then provide you with a return number and a return slip, if applicable.

3.3 Right of withdrawal

The customer has a period of thirty days to exercise his or her right of withdrawal without having to justify the reason or pay penalties, with the exception of return shipping costs.

The period starts from the receipt of the order. If this period expires on a Saturday, a Sunday, or a public holiday, it is extended until the next working day.

Return shipping costs are the responsibility of the customer unless the purchase is eligible for free return shipping as specified in the Terms of Sale. AIRVIA Medical has 14 days to issue the refund. AIRVIA Medical can offer a credit or an exchange that the customer may choose to accept or not accept. The refunded amount shall include the purchase amount of the product, as well as the shipping costs, with the exception of additional shipping costs resulting from the customer's choice of a type of delivery other than the cheapest standard delivery type offered by AIRVIA Medical.

For hygienic reasons, the original filter supplied with your air purifier cannot be reimbursed if you have used your air purifier. The cost of the filter will be deducted from the amount of your order when refunding.

In the event that the product is incomplete, damaged, or deteriorated by the purchaser, including during transport for the return of the product, the customer cannot exercise the right of withdrawal. The product must be shipped in its original packaging.

The customer will have to print the return slip by his or her own means.

4) Deadlines

We're always doing our best to minimize processing times. The deadlines for receiving a repaired product or an exchange product are usually 2 to 8 weeks and are likely to vary depending on various constraints (transportation, replenishment of spare parts, etc.).

AIRVIA Medical

Website: airpurifier.co.uk

Email: info@airvialmedical.com

Phone: +44 (0)20 3878 4379