respiray®



User Manual

Respiray Wear A+

Read this User Manual fully and thoroughly before operating the device.

ENGLISH

FC IC CE

www.respiray.com

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Respiray Wear A+ Quick Start Guide

Thank you for purchasing Respiray Wear A+!

Scan the QR code below to watch our tutorial video
on how to get started with Wear A+.

www.respiray.com/start

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1. Important Safety Instructions

Please read these precautions carefully before use.

Remove jewelry or other accessories from areas that will come into contact with the device.

Do not operate this product while driving or operating a vehicle.



The device is not waterproof. Keep the device away from water.

- Avoid situations where liquids may spill onto the device.
- Do not place or store the device or charging adapter where they can fall or be knocked or pulled into water or any other liquid.
- Do not use the device while bathing or showering.
- Do not attempt to charge the device if it is wet.



As a safety precaution, do not operate the device if it is obviously damaged.



Only authorized personnel are permitted to perform repairs. No changes or modifications to the device are permitted.

- Do not attempt to repair the device. You may expose yourself to dangerous electrical components and cause harm to yourself.
- Do not use the device if the parts or accessories are not supplied by the manufacturer as defined in this manual.
- Contact Respiray Customer Service (support@respiray.com) if the device is damaged or does not appear to be working properly.



The device contains a rechargeable lithium-ion battery, which is a sensitive component that can cause injury if damaged.

- Do not attempt to remove the battery. Damaging the battery creates a risk of fire or explosion.
- To replace the battery, contact Respiray or an authorized reseller only. Replacement by a third party may lead to damage to the

device. Use of an unqualified battery may create a risk of fire, leakage, explosion, or other hazards.



The WEEE directive requires that you dispose of this electrical device (including all accessories and parts except for filters) at a designated recycling collection point for electrical devices.

- Do not dispose of the device (or any of its accessories or parts except for filters) in domestic waste!
- The battery unit should be disposed of and recycled in a safe manner.

Contraindications



Not recommended to use if you have:

- a pacemaker or serious problems with blood circulation in the chest or neck area
- broken or irritated skin, potential skin malignancies, or swollen, infected, or inflamed zones in places that may come into contact with the device
- chronic pain from osteochondrosis
- epilepsy

2. Overview of the Device

2.1 Intended Use

This wearable air purifier is designed for personal use. It catches and filters airborne allergens (such as pet dander, dust, pollen and mold) and harmful pathogens, including virus particles, from the air. It also provides effective protection against various pollutants. The device minimizes exposure to airborne particles and combats pollution by creating a zone of purified air in front of the wearer's face.

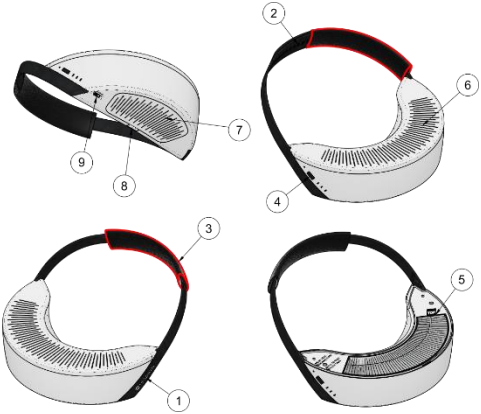
The product may only be used according to the instructions in this manual. Any use other than that described in this manual is seen as an unintended use. The product and this manual are subject to change. For the most recent version of the manual, visit www.respiray.com/start.

2.2 Items Included in the Package

- 1 × Respiray Wear A+
- 2 × main filter
- 1 x washable pre-filter
- 1 x adjustable strap
- 1 x strap cushion
- 1 × charging cable
- 1 × user manual

2.3 Device Description

The device consists of the main unit, incorporating the main filter, ventilators, battery, and the accompanying strap. The individual components are illustrated below.

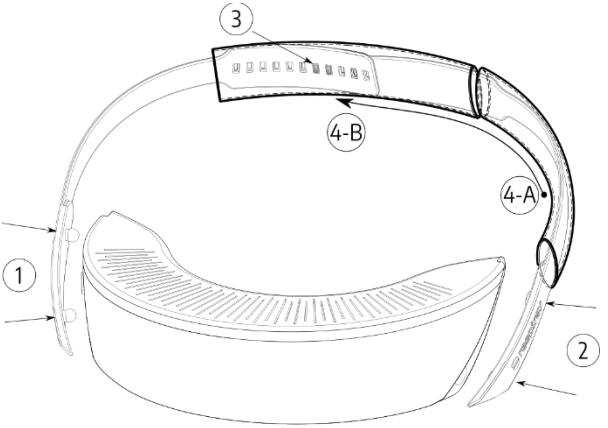

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	Part Name	Description
1	Magnetic closure	For quickly opening and closing the strap.
2	Strap adjuster	For regulating the strap length to ensure the device is in the most effective position. For maximum comfort, place the strap cushion over the strap.
3.	Neck strap cushion	For maximum comfort.
4	Power button	For turning the device on or off and regulating the airflow.
5	Main filter	Filters out airborne allergens, pathogens and pollution particles. The main filter is located beneath the top cover.
6	Top cover	Protects the main filter and holds it in place.
7	Washable pre-filter	Filters large particles and hair from the air to prevent them from entering the device.
8	Pre-filter cover	Encloses the washable pre-filter.
9	USB charging port	For charging the device.

3. Assembly

Watch the tutorial video at [www.respiray.com/start.](http://www.respiray.com/start)

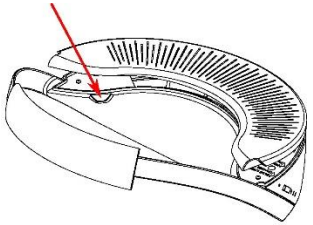
3.1 Assembling the Straps with the Main Unit



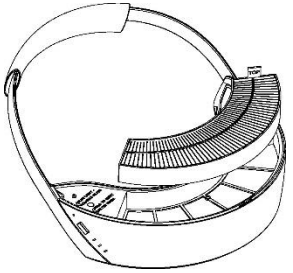
STEP 1: Take the right side of the strap and push the plastic ball joints into the holes on the right side of the main unit.
STEP 2: Take the left side of the strap (with the logo) and place the magnets into the magnetic slots on the device.
STEP 3: Adjust the strap length to the position where the device is blowing the most air towards your mouth and nose.
STEP 4: Slide the strap cushion from position 4-A to position 4-B so that it covers the strap connection.

3.2 Inserting the Main Filter

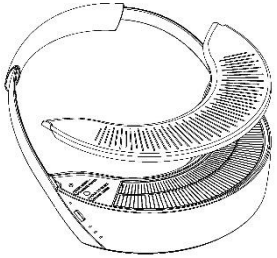
STEP 1: Open the top cover by pulling it up from the left side.

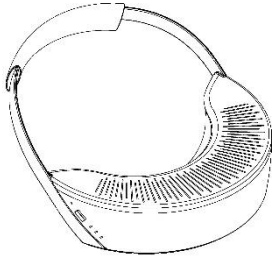


STEP 2: Insert the main filter into the designated filter slot with the pulling strip at the top. Make sure you insert the filter straight (not at an angle).



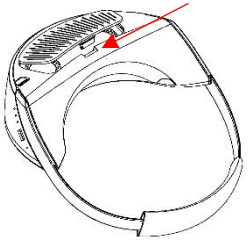
STEP 3: Place the top cover back onto the device.



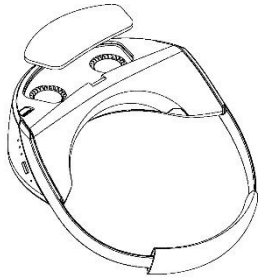


3.3 Inserting the Pre-Filter

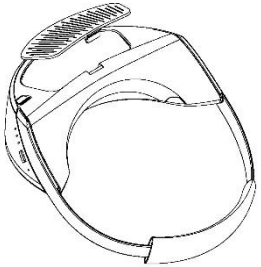
STEP 1: Open the pre-filter cover using the release mechanism.

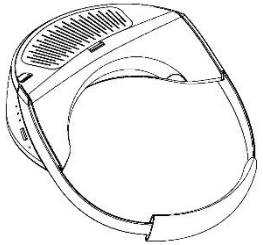


STEP 2: Insert the pre-filter into the designated filter slot.



STEP 3: Close the cover by inserting the studs into the designated slots and then pushing the release mechanism back into place.





4. Operation

STEP 1: Open the magnetic strap on the left side of the device.

STEP 2: Place the device on your chest.

STEP 3: Guide the strap around your neck and back into place.

STEP 4: Place the device in a comfortable position. If necessary, adjust the strap length and slide the strap cushion to a position that satisfies you.

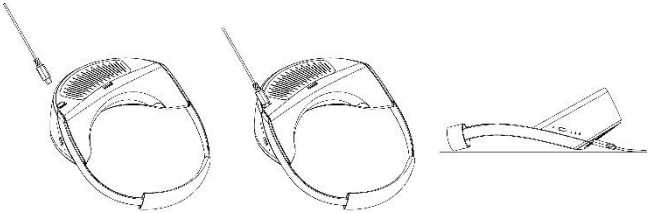
STEP 5: Turn the device on or off by holding down the power button on the right side.

STEP 6: Press the power button to switch between the two airflow speeds. We recommend using the normal speed when you are sitting in one place and the higher speed for moving around.

STEP 7: Open the magnetic strap to remove the device.

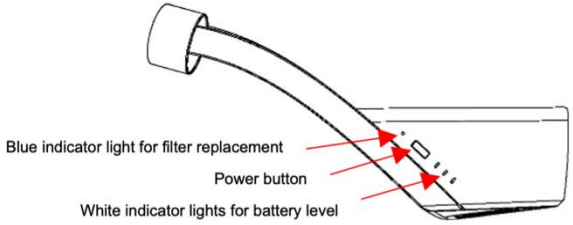
4.1 Charging

Charge the device using a USB Type-C charging cable and a power connector. Charging time is approximately 2 hours.



4.2 Indicator Lights

Next to the power button are three white lights, which are used to indicate the battery level. There is also a blue light above the power button that indicates when it's time to change the main filter.



Whenever you turn on your Respiray Wear A+ or change the airflow speed, the battery indicator lights will show for 5 seconds. Here is what they mean:

Battery Indicator Light Status	Battery Status
Three white lights (solid)	Remaining battery level 67–100%
Two white lights (solid)	Remaining battery level 34–66%
One white light (solid)	Remaining battery level 10–33%
Three white lights (pulsing)	Remaining battery level <10%

When Respiray Wear A+ is charging, the indicator lights show the following:

Battery Indicator Light Status	Battery Status
Three white lights (solid)	Battery is fully charged
Two solid white lights with one light blinking	Battery is charging and at 67–99%
One solid white light with two lights blinking	Battery is charging and at 33–66%
Three white lights (blinking)	Battery is charging and at <33%

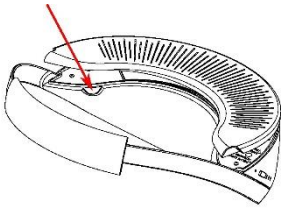
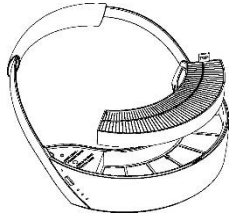
5. Maintenance

5.1 Cleaning

Before cleaning the device, make sure it is turned off. Then, gently wipe it with a soft, slightly dampened cloth. Do not use any abrasive cleaning products or detergents. To disinfect the surface of the device, use rubbing alcohol and a microfiber cloth.

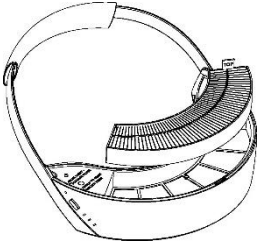
Be careful not to allow any water inside the device, as this can cause damage. Do not turn the device on before it is completely dry.

5.2 Replacing the Main Filter

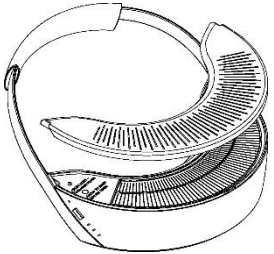
STEP 1: Turn the device off and open the top cover by pulling it up from the left side. 	STEP 2: Carefully remove the used filter using the pulling strip, then place it in a plastic bag and dispose of it as general waste. 

NOTE: If the previously inserted filter is stuck with the plastic edge, remove the filter and the filter's foam. Make sure to remove the foam's glue on the plastic surface before inserting the new filter. Ensure you insert the new filter straight, not at an angle, so it will not get stuck next time.

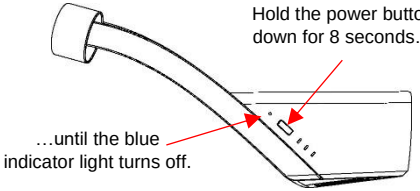
STEP 3: Insert a new filter into the designated filter slot with the pulling strip at the top. Make sure you insert the filter straight (not at an angle).



STEP 4: Place the top cover back onto the device.



STEP 5: To reset the filter timer, hold the power button down until the blue indicator light turns off (approximately 8 seconds).



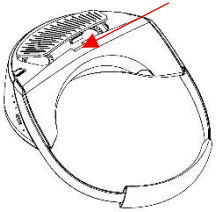
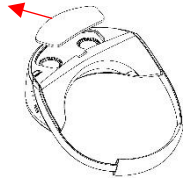
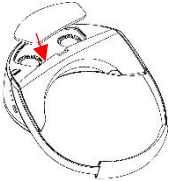
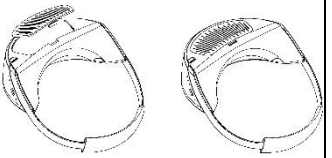
Replacement filters can be ordered from our website, respiray.com, or through our official resellers listed on respiray.com

5.3 Cleaning and Replacing the Washable Pre-Filter

The role of the pre-filter is to prevent larger particles from reaching the ventilators and prolong the lifetime of the main filter.

We recommend cleaning the pre-filter once a month by vacuum cleaning in the gaps of the bottom cover, which will remove any large particles.

The pre-filter should be changed after every 400 hours of operation – or at the same time as every second main filter change. To replace the filter, perform the following steps:

<table>
<tr>
<td>STEP 1: Open the pre-filter cover using the release mechanism.
</td>
<td>STEP 2: Remove the used washable pre-filter and clean it, or dispose of it as general waste if it is damaged.
</td>
</tr>
<tr>
<td>STEP 3: Insert the cleaned or new pre-filter into the designated filter slot.
</td>
<td>STEP 4: Close the cover by inserting the studs into the designated slots and then pushing the release mechanism back into place.
</td>
</tr>
</table>

Replacement filters can be ordered from our website, respiray.com, or through our official resellers listed on respiray.com

5.4 Storing the Device

The device should be stored at room temperature (64–82 °F / 18–28 °C) and in a low-humidity environment (30–50% relative humidity). To preserve the battery during longer periods of storage, we also recommended that you first charge the device to around 33–67% (so that one LED is lit and two are blinking). Do not store the device around combustible or inflammable objects.

6. Frequently Asked Questions

1. **What does Respiray Wear A+ do?**
   The wearable air purifier Wear A+ relieves airborne allergies and protects the wearer from airborne pollutants and pathogens, including viruses and bacteria, by creating a clean air zone around the face without covering the face or restricting breathing.

2. **How does it work?**
   Respiray Wear A+ uses a highly effective HEPA filter that filters out most of the allergens that can cause irritation and distress: pollen, dust mites, pet dander, etc. It is also effective against air pollution and pathogens like viruses and bacteria.

3. **Is the device safe for children?**
   This depends on child's age and activity levels. If they feel comfortable while wearing the device, it will not pose them any harm with normal use. However, if the child falls and lands on top of the device, they could potentially be hurt or injured.

4. **Is the device's battery replaceable?**
   No, the battery is currently integrated into the device and therefore not replaceable. Please do not attempt to separate the battery from the casing or replace it.

5. **How much air does the device clean?**
   In the normal mode, the device cleans 2.5 cubic feet / 70 liters of air per minute. In the higher mode, the device cleans 4.2 cubic feet / 120 liters of air every minute.

6. **Is the device water resistant?**
   No, the device is not water resistant, and it is not intended for use in humid or wet environments.

7. **How long does the main filter last?**
   The main filter should be replaced after every 200 hours of operation. We generally recommend replacing the filter after 3 months if it has been used less than 200 hours during this period. The filter should also be replaced if accumulated dust or other particles are visible on the device or if the filter is clogged and causes the ventilators to produce more noise.

8. **Can the device be used while charging?**
   Yes, the device can be used while charging.

9. **What material is the device casing?**
   The casing is made from high-quality PC/ABS plastic.

10. **Are the straps replaceable?**
    Yes, replacement straps can be ordered from our website (www.respiray.com) or by contacting us at info@respiray.com.

7. Troubleshooting

Problem	Explanation / Solution
The device is not turning on	○ The battery is discharged. Charge the device as instructed in section 4.1 Charging.
The device is not charging	○ The device is not correctly connected to the power outlet. Check the connections between the device, the charging cable, and the wall adapter.
	○ Something is obstructing the device's charging port. Try clearing the port with a thin wooden or plastic tool. DO NOT use a metal tool as it may damage the port.
The device turns off unexpectedly	○ The device has become discharged. Please see section 4.1 Charging.

8. Warranty Information

Respiray OÜ, Mõisa 4, 13522, Tallinn (hereinafter referred to as "Respiray") warrants that the product is free from defective workmanship and parts for a period of one (1) year from the date of the original purchase or the date of delivery, provided the product has been used, cleaned, and maintained in accordance with these instructions and Respiray's recommendations. This warranty does not include consumable parts, such as the filters, which must be replaced regularly by the user.

This warranty does not cover:

- Instances where the product has been used outside of the intended use and/or our recommendations;
- Instances where damage has been caused by misuse, mishandling, accident, or excessive wear and tear.

Any claim under this warranty must be made within one (1) year of the date of purchase or delivery of the product.

If the buyer wishes to make a warranty claim, they should contact the relevant support center. The buyer will then receive further information about the processing of the warranty claim, e.g. where they can send the product and what documentation is required.

A warranty claim shall only be considered if the buyer can provide a copy of the invoice / purchase receipt and the original product to Respiray, or an authorized Respiray partner.

The following are explicitly excluded from this warranty:

- Deterioration due to normal use of the product;
- Products that are used, cleaned, stored, or maintained improperly and/or contrary to the provisions of the instructions for use;
- Products that have been opened, repaired, or modified by the buyer or by a service provider that is not authorized by Respiray;
- Damage that arises during transport between the manufacturer and customer, or between the service center and customer;

- Damage arising as a consequence of a fault in this product (however, in this case claims may be made under product liability or other compulsory statutory liability provisions).

8.1 Customer Care

Please contact Respiray Customer Service to report unexpected operations, events, or any other problems with your device. Our contact details are:

Country	Service number	Email
Estonia	+372 5355 1952	support@respiray.com

9. Specifications

Airflow Rate	Rate 1: 2.5 cubic feet per minute | 70 liters/min Rate 2: 4.2 cubic feet per minute | 120 liters/min
Noise Level	~45 dBA
Weight	Main Unit: 9.17 oz | 260 g Strap: 0.85 oz | 24 g Filters: 0.50 oz | 14 g Total: 10.51 oz | 298 g
Dimensions	4.7 x 7.8 x 2.0 inch | 12 x 20 x 6 cm
Battery	Li-Ion battery 3.7 V | 2000mAh | 7.4 Wh
Operating Conditions	Temperature: 50–105 °F | 10–40 °C Relative humidity: 15%–75%

10. Disposal



Do not dispose of this product in household waste!

If your device reaches its end-of-life stage, be sure to follow your country's laws for the disposal of electrical items.

The WEEE directive requires that you dispose of this electrical device (including all accessories and parts) at a designated recycling collection point for electrical devices. Please separate the battery module from the main unit. This helps to conserve natural resources and to protect human health and the environment. Make sure that the device is in an uncharged state before disposal. Do not place the device in the trash.

Before disposing of the packaging, separate it into individual material types.

Where possible, dispose of the cardboard and carton parts of the packaging as wastepaper.

11. Copyright

Respiray and related marks and logos are trademarks and/or registered trademarks of Respiray OÜ. © 2022 Respiray OÜ.

12. Declaration of Conformity

Product Name	Respiray Wear A+
Brand Name	Respiray
Model	RSWA01
Series Models	RSWA

IC This product is herewith confirmed to comply with the requirements of ICES-003:Issue 7.

The result has been evaluated by Attestation of Global Compliance (Shenzhen) Co., Ltd. and shown in the following test report:

Requirement	Test Report No.	Result
ICES-003:Issue 7	AGC14659221119CE01	Conform

It is understood that each unit marketed is identical to the device as tested, and any changes to the device that could adversely affect the emission characteristics will require retest.

The following manufacturer is responsible for this declaration:

Company Name	Respiray OÜ		
Address	Mõisa 4, Tallinn, 13522, Harjumaa, Estonia		
Contact Name	Karl Madis Sutter	Position	CEO
Telephone	+372 5355 1952	Email	info@respiray.com

Government of Canada Gouvernement du Canada



CE marking: Respiray declares that this product conforms with the basic requirements and relevant provisions of the European guidelines.



FCC marking: Respiray declares that this product is herewith confirmed to comply with the requirements of FCC Part 15 rules.

Operation is subject to the following two conditions:
(1) The device may not cause harmful interference, and
(2) The device must accept any interference received, including interference that may cause undesired operation.

The result has been evaluated by Attestation of Global Compliance (Shenzhen) Co., Ltd. and shown in the following test report:

Requirement	Test Report No.	Result
FCC Part 15 Rules	AGC14659221119FE01	Conform



INSTANT CLEAN AIR

WWW.RESPIRAY.COM

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