

	<b>Document</b> Portable Air Purifier (draft)	<b>Project</b> NT_LO1	<b>Document responsible</b>	<b>Date</b> 2022-06-10	<b>Revision</b> 0.1	<b>Page</b> 1(15)
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# Air Purifier

## User Manual

### AP-001



Please carefully read the user manual before using the product

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## FCC Caution:

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.

MODIFICATION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the device.

This device is designed to comply with the limits for exposure to radio waves set by Federal Communications Commission (FCC) of the United States and Industry Canada (ISED).

The SAR limit set by the FCC/ISED is 1.6 W/kg. The highest reported body SAR value for this device is 0.025 W/kg.

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.

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## IC Caution:

RSS-Gen Issue 5 "&" RSS-Gen numéro 5

- English:

This device contains licence-exempt transmitter(s)/receiver(s) that comply 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.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

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

This device is designed to comply with the limits for exposure to radio waves set by Federal Communications Commission (FCC) of the United States and Industry Canada (ISED).

The SAR limit set by the FCC/ISED is 1.6 W/kg. The highest reported body SAR value for this device is 0.025 W/kg.

- French:

Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes:

(1) Cet appareil ne doit pas causer d'interférences.

(2) Cet appareil doit accepter toutes les interférences, y compris celles susceptibles de provoquer un fonctionnement indésirable de l'appareil.

Tout changement ou modification non expressément approuvé par la partie responsable de la conformité pourrait annuler l'autorité de l'utilisateur à utiliser l'équipement.

L'appareil est conçu pour respecter les limites d'exposition aux ondes radio établies par la Federal Communications Commission (FCC) des États - Unis et Industrie Canada (ISDE).

La limite SAR établie par FCC / ISDE est de 1,6 W / kg. La valeur du DAS humain la plus élevée rapportée par ce dispositif était de 0025 W / kg.

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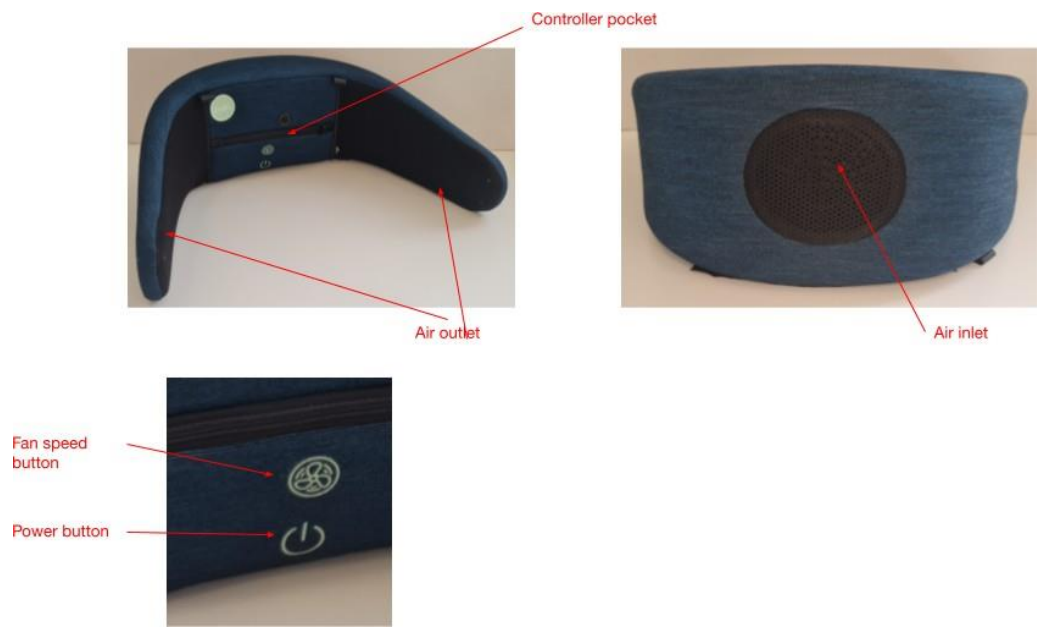
# Product introduction

Thank you for choosing Bubl. Air purifier.

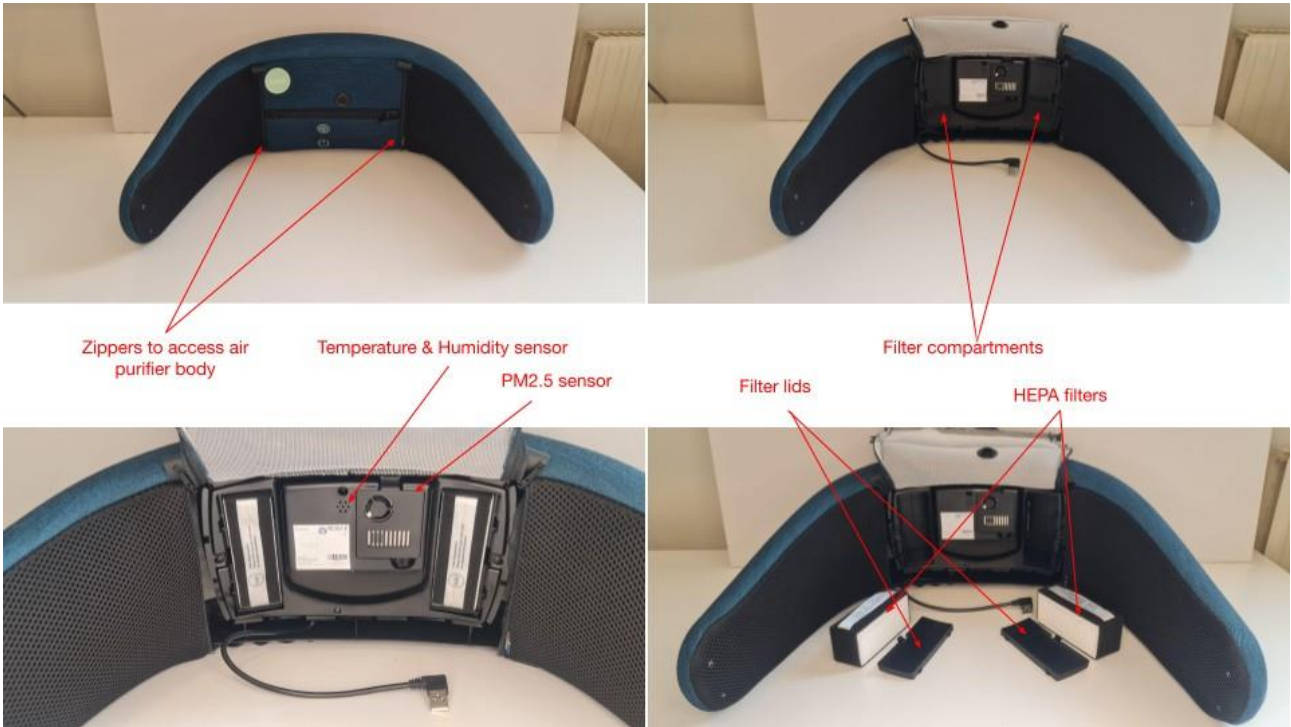
This product purifies air for passengers in baby strollers and protects them from harmful air pollutants.

The product consists of an air purifier and a removable rechargeable controller. The air purifier can be controlled by the controller buttons or by using the Bubl. APP.

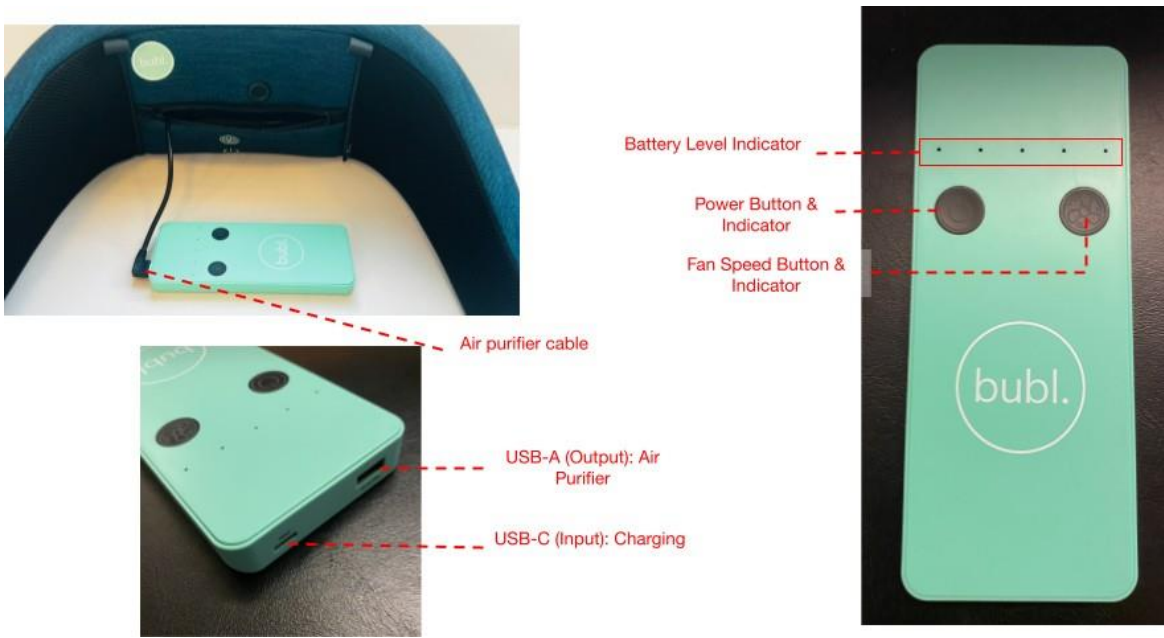
## Air purifier overview (outside)



**Air purifier overview (inside)**



**Controller overview**



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## Safety Instruction

### Restrictions in use:

The following information will help you prevent a fire, and avoid electrical shock or injury, and ensure product performance.

- Before charging, unplug the air purifier cable and take the controller out of the air purifier pocket.
- If you hear any unusual sounds or feel the product overheating, please stop using the product immediately.
- Make sure the fan inlet is not blocked, and air can move freely into the air purifier at all times.
- Only charge the controller at room temperature, or according to the temperature range in the specification section.
- Children should not play with the appliance.
- To prevent performance reduction, regularly remove dust, hair, and particles from the air purifier's inlet, and filter compartments.
- You should not use the product in rainy or snowy weather to prevent water from entering the fan.
- Make sure the filters are correctly installed, and that the lids of the filters are closed, before using the product.
- Make sure to only use the official Bubl. replacement filters to ensure product performance.
- Do not pull excessively on the cable of your air purifier, as this may cause damage to the cable.
- Do not stick your fingers or foreign objects into the air inlets/outlets or the air quality sensor openings.
- Do not spill any liquids on the air purifier or controller. If liquid spills on the device, please use a cloth to thoroughly clean the body, and wait until the liquid has been evaporated before using.
- All maintenance must be done by adults. See the Maintenance page for instructions.
- Do not plug any other USB-A device into the air purifier cable.
- Do not plug any other device into the USB-A port on the controller.
- Do not connect a USB-C charging cable to the controller while the Air purifier is connected.
- Do not use the controller if the enclosure or connection points have been damaged.
- Do not use the product if the Air purifier cable has been damaged
- Ensure that no foreign objects, such as water, snow, and debris, can enter the air purifier's inlet.
- Before performing maintenance or changing filters, disconnect the controller.
- It should not be used in close proximity to sources of heat or near heated surfaces.

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## Installation

- Make sure to follow the installation instruction before usage.
- Make sure that the device is securely fixed to prevent it from falling and injuring passengers.
- If you are uncertain about how to install the device, please contact your local Bubl distributor, or directly to the Bubl team at [www.get-bubl.com](http://www.get-bubl.com)

## Transportation

- During transportation, it is necessary to switch off the air purifier and disconnect the controller.
- When bringing the product with you on a flight, please disconnect the controller and pack it in your carry-on luggage since airlines typically do not allow batteries in checked luggage.



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# Product introduction

## Specification

Model:	Bubl. Portable Air purifier
Clear air delivery rate (CADR):	16 m3/h
Battery life:	Approx. 9-18 hours depending on fan speed
Charging time:	Approx 4 hours
Operating temperature:	Usage: Temperature: -10 C to +40 C Charging: 0 C to +40 C*
Wireless connectivity:	Bluetooth 4.2 / 5.0
Controller battery type:	Li-polymer ion
Cell capacity:	5000mAh, 3.7V (18.5Wh)
USB-A Output (Air purifier):	5V = 1A
USB-C Input (Charging):	5V = 3A, 9V = 2A, 12 = 1.5A (USB-C PD)
Weight:	Air purifier body: 726 g Controller: 183 g
Size:	Air purifier body: 260x155x70 mm Controller: 175x70x16 mm

### Unbox and Air purifier set-up

1. Place the air purifier on a flat surface.
2. Unpack the controller, and charge the battery with a standard USB-C charger before using the product.
3. Unpack the filters, and remove the plastic protection.
4. Unzip the zippers to access the air purifier body, and open the filter lids.
5. Insert the filters into the compartments, close the lids, and rezip the fabric cover.
6. Plug in the air purifier cable into the controller's USB-A port.

### Installing the device into a baby stroller

Please make sure your baby-stroller canopy has a mesh ventilation window before installing the device.

1. Open the mesh ventilation window on the top of the canopy.
2. Insert the product into the canopy with the fan inlet facing the mesh ventilation window.
3. Fasten the two straps on either side of the air purifier with the hinges of the canopy.
4. Fasten the two clips on the top of the air purifier with the top of the canopy.

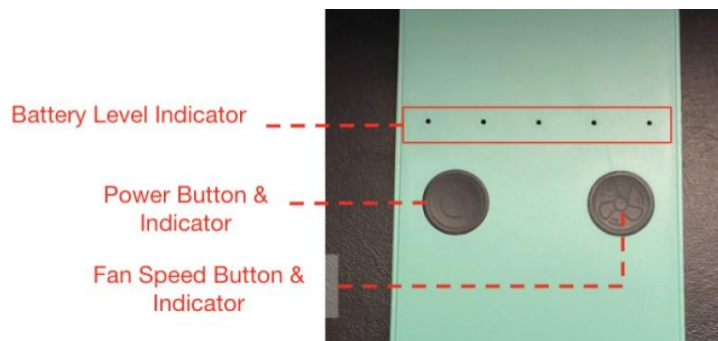


## Operating instructions

The controller has two buttons, an Power button, and a Fan speed button. The air purifier is started by pressing the Power button, and the fan will start running at Medium speed.

The fan speed can be changed between low, medium, and high by pressing the fan speed button on the controller or using the Publ. APP.

The LED indicators show both battery life, and also indicate the selected fan speed. Once the fan speed is changed, the LED indicators will flash four times indicating the current speed.



## Battery level

The LED indicators show charging conditions as follows:

Battery level	LED 1	LED 2	LED 3	LED 4	LED 5
< 20%	On	Off	Off	Off	Off
20% - 40%	On	On	Off	Off	Off
40% - 60%	On	On	On	Off	Off
60%-80%	On	On	On	On	Off
80%-90%	On	On	On	On	On
>90%	On	On	On	On	On

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### Charging

Unplug and remove the controller from the air purifier and connect a USB-C cable to charge the battery.

The LED indicator show charging condition as follows:

Battery level	LED 1	LED 2	LED 3	LED 4	LED 5
< 20%	Flashing	Off	Off	Off	Off
20% - 40%	On	Flashing	Off	Off	Off
40% - 60%	On	On	Flashing	Off	Off
60%-80%	On	On	On	Flashing	Off
80%-90%	On	On	On	On	Flashing
>90%	On	On	On	On	On

### Device error

If the air purifier has any issues, the LED indicator shows as follows:

Device error	Power button	Fan speed button
Filter need replacement	Flashing white	Flashing white
Minor error	Flashing red	Flashing red
Major error	Red	Red

A minor error is indicating issues related to the PM2.5 sensor, Temperature & Humidity sensor. The product can still be used.

A major error is indicating an issue related to the fan. Please stop using the product immediately, and contact customer service.

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### APP pairing

1. Make sure you have installed the Bubl. APP, available in both iOS, and Android stores.
2. Plug in the controller, and start the air purifier by pressing the Power button.
3. Start the BLE pairing sequence by long-pressing the Fan speed button. The LED will start flashing blue color when the air purifier is ready for pairing.
4. Open the Bubl. APP, and press the connect button. Please make sure the phone's Bluetooth connection is active.
5. The LED will show green for three seconds and indicate a short beep after pairing is successful. If unsuccessful, the LED will show yellow color, and you can try to pair it again.

iOS



Android



## Care and Maintenance

### Filter replacement

1. Unplug the controller.
2. Open the filter compartment, and remove the expired filters.
3. Unpack, and place the new filters into the air purifier. Reassemble the filter lids, close the zipper, and plug in the controller.
4. After changing the filters, plug in the controller, and push both the Power/Fan speed button for 5 seconds to reset the filter lifetime timer. The battery level indicators will flash 4 times when successfully reset.

Note: It is recommended to change the filters every 3-6 months. It is necessary to replace the filters if the Power button and Fan speed button are flashing white color, or if notified to change the filter in the Bubl. APP.



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### **Cleaning**

For optimum performance, use a vacuum cleaner or a soft cloth to clean the fan inlet, and filter compartment.



### **Firmware update**

The product firmware may be updated once there is a new version available in the Bubl APP. Please follow the instruction in the APP, and make sure not to turn off the air purifier, or unplug the controller during this time.

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## Compliance & Certification

This product complies with the following standards



### Safety:

IEC / EN 60335-1, IEC / EN 60335-2-65, UL507, CB (IEC 62133), UL2056

### Emission:

2014/53/EU (RED), UKCA-RED, FCC, IC

### Chemical & Other

REACH, RoHS, CP65

### FCC statement

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.
2. This device must accept any interference received, including interference that may cause undesired operation.

### Disposal and Recycling

This product can not be disposed of in the normal household waste but must be taken to a collection point for recycling electrical and electronic devices. The material must be recycled according to its labeling, and the controller battery must be recycled shall be recycled according to recycling standards for lithium-polymer ion batteries. Please ask the municipal administration where the appropriate disposal facility is located.



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# Warranty

To be added.