

AC201B Air Purifier

True HEPA Air Purifier with Night Light — User Manual

Thank you for purchasing the Earthmelon AC201B Air Purifier. This manual provides a brief guide to the device's features and how to use it.



1. Precautions Before Use

- The package contains one air purifier unit, one power adaptor, and one user manual.
- The device is designed for indoor use only.
- Keep the unit upright during operation, with at least 10 cm of clearance around it to avoid blocking airflow.
- Do not spray liquids onto the product or filter.
- Avoid using the unit in wet environments, and keep it away from children.

2. Functions and Features

Filters 99.97% of harmful contaminants, including PM2.5 particles, allergens, dust, pollen, odours, pet dander, smoke, cooking odours, VOCs and bacteria — 100% ozone-free. Suitable for rooms up to 20 m² with air circulation exceeding 2.5 times per hour.

3. Product Specifications

Coverage area	Rooms up to 20 m ²
CADR (Clean Air Delivery Rate)	Formaldehyde 3.2 m ³ /h; TVOC 11.4 m ³ /h; Particulate matter: greater than 60 m ³ /h
Rated power	12V, 0.5A, 6W
Weight	0.83 kg
Dimensions	145 mm diameter x 252 mm height
Optimal operating environment	Indoor temperature above 15°C; relative humidity above 40%

4. Machine Parts

1. Power button
2. Blue power indicator light
3. LED night light (under the button)
4. Timer button
5. Fan speed button
6. Night light button
7. Air outlet
8. DC power socket

9. Air inlet

11. HEPA filter

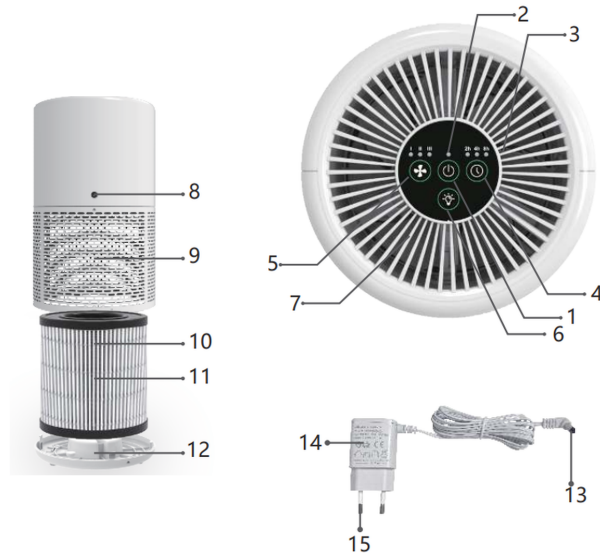
13. DC power jack

15. AC power plug

10. Activated carbon filter

12. Bottom cover

14. AC/DC power adaptor



Machine parts diagram

5. Filter Layers

The filter is made up of four layers: a HEPA and sterilisation filter, a pre-filter, a nylon filter, and a carbon filter.



Filter core decomposition graph

6. How to Operate the Machine

Starting up:

Connect the DC plug to the machine's socket, then plug the AC adaptor into a 100–240V / 50–60Hz outlet. Press the power button (1) lightly to start the unit; the blue power indicator (2) and night light (3) switch on together.

Fan speed:

The fan starts on low speed by default. Press the fan button (5) once for medium speed, again for high speed, and again to return to low speed, with the corresponding indicator lit.

Timer:

The timer defaults to continuous operation. Press the timer button (4) to cycle through 2, 4, 8, 10 and 12 hours, then back to continuous.

Night light:

The night light is on by default after power-on. Press the night light button (6) to turn it off.

Filter replacement reminder:

After approximately 3 months of use, the indicator lights stay on continuously to signal that it is time to replace the filter. After replacing the filter, press and hold the power button for more than 5 seconds to reset the reminder.

7. Cleaning, Maintenance and Filter Replacement

- 1 Disconnect the power before cleaning.
- 2 Wipe the exterior with a lightly damp, soft cloth, then dry thoroughly. Do not pour water directly onto the machine; keep it dry during cleaning to avoid electrical faults.
- 3 Replace the filter every 4–6 months. To replace it, turn the bottom knob, open the cover, and remove the filter. Clean the filter surface with a dry brush or vacuum cleaner, then reinstall it and secure the bottom cover.
- 4 Clean the air inlet with a brush.
- 5 If not in use for an extended period, store the machine in a dry, ventilated place.

8. Troubleshooting

If the machine is not working correctly, please check the following before contacting your dealer or Earthmelon customer care.

Symptom	Possible Cause	Solution
Machine does not run	Power is off	Turn on the power switch
Machine does not run	Power plug has come loose	Reconnect the power plug
Indicator light flashes	Filter is not fitted correctly	Fit the filter correctly
Indicator light flashes	Filter needs replacing	Replace the filter