MD823A 2-in-1 Dehumidifier & Air Purifier

Dehumidifier and HEPA Air Purifier in One Unit — User Manual



Thank you for choosing the Earthmelon MD823A 2-in-1 Dehumidifier & HEPA Air Purifier. Please read this manual carefully before use, and keep it for future reference. If you have any questions, please contact Earthmelon customer care.

1. Product Introduction

The MD823A uses semiconductor (Peltier) cooling technology to dehumidify the air, combined with HEPA air purification, for a unit that is energy-efficient, safe and reliable. It suits smaller spaces such as bedrooms, studies, bathrooms, dressing rooms, boats, cars and kitchens, helping to prevent mould and damp odours caused by excess humidity while also filtering common pollutants such as PM2.5 and other airborne particles.

2. Machine Parts

- **1.** Power button
- **2.** Humidity setting button
- **3.** Water tank light button
- **4.** Sleep mode button
- **5.** Timer button
- **6.** Purification button
- **7.** Status display
- **8.** Air outlet
- **9.** Air inlet
- **10.** Removable filter
- **11.** RGB lights (interior)
- **12.** Water tank
- **13.** Water inlet
- **14.** Power plug

In the box: 1 x MD823A 2-in-1 Dehumidifier & Air Purifier, 1 x User Manual, 1 x replacement filter.

3. How to Operate the Machine

Power on:
Connect the power plug (14) to a 100–240V / 50–60Hz outlet. Once powered, the buttons and status display (7) light up briefly, and the water tank light cycles from blue to green to red before switching off.

Start:
Tap the power button (1) to start the machine. The button lights up green, the humidity icon on the status display (7) lights up, and air begins to flow from the outlet (8).

Humidity setting:
The target humidity defaults to 30% RH. Tap the humidity button (2) to adjust the target in 5% steps, from 30% RH up to 80% RH (display range 30–90% RH). The setting is remembered until changed again, and the machine stops automatically once the set humidity is reached.

Water tank light:
Tap the light button (3) once to cycle the RGB lights (11) in the water tank automatically; tap again to fix the current colour; tap a third time to turn the lights off.

Sleep mode:
The machine dehumidifies at high speed by default. Tap the sleep mode button (4) to switch to low-speed, quieter operation; tap again to return to high speed.

Timer:
By default, no timer is set. Press the timer button (5) to cycle through 8, 12, 24, 36 and 48 hours, then back to no timer. The display shows the selected time for 3 seconds before returning to the current humidity reading.

Purification mode:
By default, dehumidifying and air purification run together. Tap the purification button (6) once to pause dehumidifying and purify at low speed (display shows “L1”); tap again for higher-speed purification only (“L2”); tap a third time to return to combined dehumidifying and purifying.

Filter replacement reminder:
After approximately 3 months of cumulative use, the purification button (6) flashes red to signal that the filter needs replacing. After fitting a new filter, press and hold the purification button to reset the reminder.

Automatic defrosting:
If the defrost icon lights up, the machine has started an automatic defrost cycle; once it turns off, dehumidifying resumes as normal.

Water tank full:
If the tank is missing or full, the machine stops working, the water-full icon flashes, and the tank light turns red. Switch the machine off, remove the tank, empty it, and refit it to resume operation. Take care not to get the power socket or plug wet.

4. Product Specifications

Dehumidification (with purification)	Approximately 500 ml ± 10% per day (30°C, 80% RH)
Dehumidification (without purification)	Approximately 700 ml ± 10% per day (30°C, 80% RH)
Dimensions	212 mm (L) x 150 mm (W) x 381 mm (H)
Weight	3.33 kg ± 10% (with filter)
Rated power	64 W
Noise level	Below 50 dB
Water tank capacity	3200 ml ± 10%
Automatic shutoff level	2780 ml ± 10%
Optimal operating environment	Indoor temperature above 14°C; relative humidity above 40%

5. Precautions

1. Keep the machine upright at all times. Do not tilt it or lay it on its side, as this may cause water to leak out.
2. Leave at least 10 cm of clearance around the machine, and keep clothing, bags and other objects away from the air inlet and outlet so airflow is not blocked.
3. Do not splash water onto the machine, and avoid using the power adaptor in damp locations.

6. Cleaning and Maintenance

1. Switch off and unplug the machine before cleaning.
2. Empty and rinse the water tank with warm water and a small amount of mild detergent, then leave it to dry.
3. Wipe the body with a clean, soft cloth. Do not rinse it directly with water, to avoid electrical faults.
4. Clean the air inlet and outlet with a soft brush.
5. If not in use for an extended period, store the machine in a dry, ventilated place.

7. 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 not working	Power plug has come loose	Reconnect the power plug
Reduced dehumidification	Filter has reached the end of its service life	Switch off and replace the filter
Reduced dehumidification	Air inlet or outlet is blocked	Clear the obstruction
Reduced dehumidification	Water tank is not fitted correctly	Refit the water tank
Machine stops	Water tank is full	Empty the water tank
Machine stops	Air inlet or outlet is blocked	Clear the obstruction