



USER MANUAL

SMART 2-IN-1 AIR DEHUMIDIFIER & PURIFIER

MODEL: AV-DP500

This user manual provides safety and operating instructions.
Please read this user manual thoroughly before using the product.

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PACKAGE CONTENTS

1 x Smart 2-in-1 Air Dehumidifier & Purifier
1 x AC Power Cable
1 x User Manual
1 x Quick Start Guide
1 x Filter Pack (Pre-fitted)
1 x Warranty Information Card

TABLE OF SPECIFICATIONS

Dehumidification	Approximately 500 mL $\pm$ 10 % per day (30 °C, 80 % RH)
Power Supply	100–240 V ~ 50/60 Hz
Rated Power	64W
Noise Level	34–45 dB
Intelligent Control System	The indicator light turns red if the water tank is missing or full.
Tank Capacity	3,200 mL $\pm$ 10 %
Water Full Shutdown Capacity	2,780 mL $\pm$ 10 %
Optimal Operating Environment	Humidity: < 95% RH
Product Size	212 × 150 × 381 mm (L × W × H)
Product Weight	3.33 kg $\pm$ 10% (with filter)

THANK YOU FOR CHOOSING TO BUY AN AROVEC AIR DEHUMIDIFIER & PURIFIER

We are here to help with any questions you may have.
Customer Support – AUSTRALIA

✉ support@arovec.com.au
 🌐 www.arovec.com.au
 📷 [@aroveclifestyle](https://www.instagram.com/aroveclifestyle)



IMPORTANT SAFETY INSTRUCTIONS

- **ALWAYS** turn off and unplug the unit before emptying the water tank, changing the filter, or when not in use.
- **DO NOT** use the unit if it has been dropped, damaged, exposed to water, or is not working properly.
- If the unit falls over with a full water tank, unplug it immediately and ensure it is thoroughly dry before use.
- **DO NOT** move the unit when the water tank is full to prevent spillage.
- **ALWAYS KEEP** the unit upright during operation. Do not tilt or lay it flat, as this may cause water leakage.
- Ensure at least 10 cm of clearance around the unit. Do not place clothing, plastic bags, or other objects near the air inlet or outlet, as this may obstruct airflow.
- **DO NOT** operate the unit if the water tank is removed.
- **DO NOT** remove the water tank while the unit is turned on.
- Water collected in the tank is not suitable for drinking, animals, or watering plants.
- **DO NOT** use the unit if the power cord is damaged.
- **DO NOT** use near gas appliances, fireplaces, stoves, candles, or heating devices.
- Position the unit at least 30 cm away from walls, curtains, and heat-sensitive materials.
- **DO NOT** use in areas with insect repellents, burning incense, toxic fumes, or flammable dust.
- Maintain at least 1.5 m clearance from oxygen tanks.
- **DO NOT** place the power cord under rugs, carpets, or furniture.
- Secure the power cord to prevent tripping hazards.
- **DO NOT** place the unit on unstable surfaces such as beds or couches.
- **DO NOT** touch the unit with wet hands.
- **DO NOT** use the unit in bathrooms or near water sources like showers or pools.
- This appliance is for household use only; do not use it outdoors or for commercial purposes.
- **DO NOT** attempt to repair or modify the unit yourself, as this may void the warranty.
- Keep the unit and packaging materials away from children. Children must be supervised around the appliance.
- **DO NOT** sit on the unit or place objects on top of it.
- **DO NOT** block the air inlet or outlet.
- **DO NOT** insert fingers or objects into the air inlet or outlet.
- **DO NOT** unplug the unit by pulling the cord.
- **DO NOT** use external timers or remote switches to control the unit automatically.
- **DO NOT** spray perfumes, air fresheners, or oils near the unit.
- During electrical storms, unplug the unit from the wall socket.
- **AVOID** using non-standard extension cords to reduce the risk of electrical hazards.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- **IF** the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons to avoid a hazard.

Caution:

Keep these safety instructions in a safe place. Always follow the recommended guidelines in this manual to ensure safe and effective operation.



GETTING TO KNOW YOUR DEVICE

This compact 2-in-1 device combines advanced semiconductor dehumidification (compressor-free) with air purification to create a healthier, more comfortable environment. Energy-efficient, eco-friendly, and reliable, it is ideal for small spaces such as bedrooms, bathrooms, kitchens, cars, and yachts.

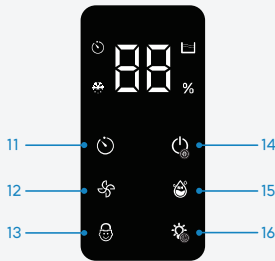
It helps prevent mould, eliminate odours, and protect items from moisture damage. The built-in purifier removes common indoor pollutants such as PM2.5 and formaldehyde—especially useful in newly renovated homes.

PRODUCT PARTS OVERVIEW



- | | |
|------------------------------------|------------------------|
| 1. Status Display Area | 6. Power Socket |
| 2. True HEPA Filter | 7. Drainage Inlet |
| 3. Air Outlet | 8. Water Tank |
| 4. Air Inlet Cover | 9. Appliance Connector |
| 5. Interior Seven-Colour LED Light | 10. Power Plug |

CONTROL PANEL OVERVIEW



- 11. Timer
- 12. Fan Speed
- 13. Child Lock
- 14. Power Button & Filter Reset (Long Press, 3s)
- 15. Humidity Level
- 16. Light & Night Mode (Long Press, 3s)

POWER DISPLAY (ON/OFF)

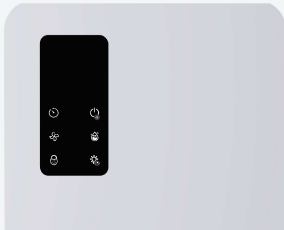


Figure 1

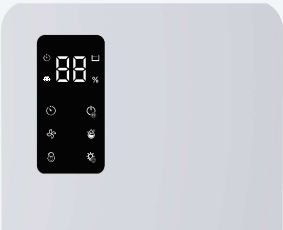
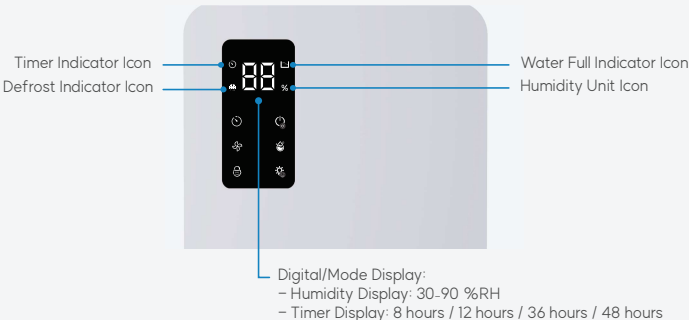


Figure 2

Figure 1:
Function Keys Only

Figure 2:
Function Icons Displayed After Startup
Icons such as Timer, Auto Defrost, Dehumidification, and Water Full appear after startup. The machine displays current humidity and stops automatically when the set humidity is reached.

STATUS AREA DESCRIPTION





GETTING STARTED



POWER CONNECTION

Connect the Appliance Connector to the Power Socket on the machine. Then plug the Power Plug into a mains outlet (100–240 V ~ 50/60 Hz).

Once powered on, all control buttons and the Status Display Area will light up. The Interior Seven-Colour LED Light will cycle through blue, green, and red, then switch off.



POWER ON / FILTER RESET

Tap the Power Button & Filter Reset () to turn the machine on. The button will light up red. The humidity icon in the Status Display Area will illuminate, and the digital screen will show the current ambient humidity. Air will begin to flow from the Air Outlet. (See Figure 3)



FILTER CHANGE INDICATOR:

- The Power Button flashes red when the filter requires replacement.
- After replacing the filter, press and hold the Power Button for 3-5 seconds to reset the filter change reminder.



ADJUSTING HUMIDITY LEVEL

The default humidity is set to 30%RH. Tap the Humidity Level Button to increase the setting in 5% increments, from 30%RH to 80%RH. After reaching 80%RH, the next press will reset it to 30%RH.

- Display Range: 30-90%RH.
- The button lights up green when active
- Once the target humidity is reached, the machine automatically pauses dehumidification and resumes as needed.



LIGHT & NIGHT MODE

LIGHT:

First press: Turns on the light.

Second press: Changes the light colour.

Third press: Turns off the light.

NIGHT-MODE:

Press and hold the NIGHT MODE button for 3–5 seconds to activate Night Mode.

When night mode is activated, the display, lights, and all button indicators turn off.

Pressing any button except the power button will wake the display and exit night mode.

Pressing the power button will power off the device.



FAN SPEED

FAN SPEED SETTINGS:

Tap the Fan Speed Button () to cycle through the modes:

First tap: Low Speed (L1)

Second tap: High Speed (L2)

Third tap: Auto Mode (A)

IN AUTO MODE:

If the humidity (RH) is 60% or higher, the fan runs at High Speed (L2)

If the humidity (RH) is below 54%, the fan switches to Low Speed (L1)



TIMER FUNCTION

Tap the Timer Button () to set the operating duration: 8, 12, 24, 36, or 48 hours with each tap; a sixth tap cancels the timer.

The Timer Button will light up green and the selected time will appear on the display.

After 3 seconds, the display returns to showing the ambient humidity.

Timer accuracy: $\pm 5\%$.



CHILD LOCK

To activate the Child Lock, press and hold the Child Lock button () for 3 seconds.

The display will show "CL" indicating that all other buttons are locked to prevent accidental operation. Pressing any button while the Child Lock is active will cause the display to flash three times, but no sound will be emitted. To unlock, press and hold the Child Lock button again.



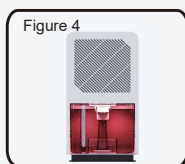
AUTOMATIC DEFROSTING

If the defrosting icon appears in the Status Display Area, the machine has entered automatic defrosting mode. Once complete, the icon will turn off and the unit will resume normal dehumidification.



WATER TANK FULL

If the water tank is full or not correctly positioned, the machine will stop operating. The water full indicator will flash, and the Interior LED Light will glow red. (See Figure 4)



USEFUL TIPS

EMPTYING THE WATER TANK:

Before emptying the tank, turn off the machine and unplug the Power Plug. Remove the tank, pour out the water, and open the tank cover if cleaning is required. Reinstall the tank securely, ensuring no moisture reaches the power socket or plug.

ROUTINE MAINTENANCE

Over time, the water tank will fill with condensed moisture. Once it reaches the set limit, the machine will pause dehumidification. Empty the tank before restarting operation.

WATER SPILLS

If water splashes onto the machine, dry the surface immediately with a clean cloth to prevent electrical damage or short-circuiting.

RESTARTING THE MACHINE

To resume operation after emptying or cleaning the tank, press the Power Button to restart the unit.

MEMORY FUNCTION

The dehumidifier is designed to continue its operation in previous setting after an intended restart or sudden power outage restoration.



FILTER CLEANING & REPLACEMENT

Always turn off and unplug the dehumidifier before cleaning or replacing the filter.

The filter is located inside the rear air inlet cover (see Figure 6). The pack includes a High-Grade HEPA filter, which captures fine airborne particles such as dust, pollen, and mould spores (see Figure 7).



Figure 6

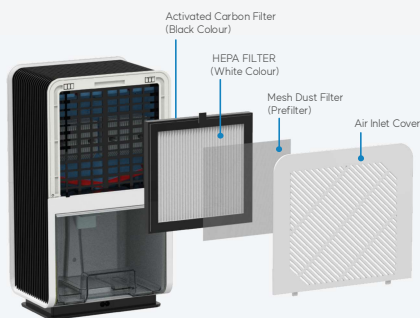


Figure 7

NOTE: All three filters (Pre-filter, HEPA filter, and Carbon filter) are combined in a single pack and cannot be separated. The separation shown is for illustration purposes only.

FILTER CLEANING

Keep the pre-filter and air inlet cover clean, as a dirty filter can produce odours and reduce dehumidification efficiency. Clean at least once a month, or more frequently with heavy use.

To clean the pre-filter and air inlet cover:

1. Open the air inlet cover (see Figure 6).
2. Remove the filter pack (pre-filter, HEPA, and carbon filter combined) from the air inlet cover (see Figure 7).
3. Clean the outer pre-filter layer using a vacuum cleaner only. Do not wash or separate the filters.
4. Reinstall the filter pack into the air inlet cover (see Figure 6).
5. Reattach the air inlet cover securely before using the unit.

FILTER REPLACEMENT

When a filter change is needed, the indicator () will blink on the display . Use only the original Arovec AV-DP500-RF replacement filter to maintain performance and extend the unit's lifespan. Replacement filters are available at www.arovec.com.au.

WHEN TO REPLACE THE FILTER

Replace the filter every 4-5 months (approx. 3,000 hours of use), or sooner depending on usage and air quality.

Change the filter if you notice:

- Increased noise during operation
- Reduced dehumidification or air quality
- Weaker airflow
- Unusual odours
- A visibly clogged filter
- You do not need to wait for the indicator light to turn on to replace the filter.

STEPS FOR REPLACING THE FILTER:

1. Remove the used Filter Pack from the air inlet cover (Figure 6).
2. Vacuum any dust or hair inside the dehumidifier and air inlet cover. Do not use water or liquids.
3. Do not wash the filter pack. It is not washable and must be replaced when it becomes dirty or clogged.
4. Unpack the new filter pack.
5. Attach the filter to the air inlet cover as shown (Figure 6).
6. Reinstall the air inlet cover and ensure it is securely in place before use.

Resetting After Filter Replacement:

Hold the Power button () for 3–5 seconds to reset. The filter indicator will disappear once reset.



CLEANING & CARE

- Turn OFF and unplug the product before you clean it.
- Wipe down the outside of air purifier regularly with a soft and clean cloth.
- DO NOT use any harsh cleaning agents e.g., bleach or alcohol to clean any part of the product.



STORAGE

- If not using the product for an extended period of time, it is a good idea to wrap it in plastic packaging and store it in a dry place to avoid moisture damage.
- It is not recommended to store the used filter for long period of time.
- Store the product in an upright position. Do not place any objects on top of the product.



DISPOSAL

To prevent possible harm to the environment or human health from uncontrolled waste disposal, separate the unneeded product and its related accessories from other types of waste.

Ask your local council where to dispose of your product and its related accessories. You should not throw away your product and related accessories with the daily normal household waste.



TROUBLESHOOTING

Problem !	Possible Cause△	Possible Solution✓
Device Not Operating	• Device Not Operating • Power plug is loose • Water tank is misaligned • Water tank is full	• Press the Power Button & Filter Reset to turn on • Ensure the plug is securely connected • Reinsert the water tank properly • Empty the water tank
Weak Dehumidification	• Air inlet or outlet is blocked	• Remove any objects obstructing the Air Inlet or Air Outlet
Device Stops Cleaning Air	• Filter has reached end of service life	• Replace with a new HEPA Filter

NOTE: This model does not support standalone air purification. The purification function only operates alongside dehumidification.



WARRANTY INFORMATION

Arovec products are designed and manufactured to the highest quality standards. Your product is covered for parts and labour (excluding filters) for 2 years, which includes 1-year standard warranty and 1-additional year upon registration at arovec.com.au/warranty (free of charge) within 14 days from the date of purchase.

This warranty disclaimer applies to all products purchased via the website www.arovec.com.au (hereinafter "Products") or a third-party seller authorised by Arovec.

NOTE: When the product is purchased from an authorised third-party seller, for warranty claim, return and replacement of a defective product, the inquiry should be lodged on the related third-party seller.

(1) Warranty Against Defects

1.1 For Brand-new Products:

We provide a 12-month standard warranty against defects with the Products, from the date of purchase.

We provide an optional additional free 12-month extended warranty against defects with the Products (resulting in a 24-month warranty against defects with the Products, from the date of purchase).

In the event of a defect with the Product, you may be entitled to have the Product replaced. In order to be entitled to a replacement Product, you must immediately stop using the Product and notify us of the defect during the warranty period.

In order to claim a replacement Product, you must contact us using the details at the CUSTOMER SUPPORT section, to notify us of the defect, providing your proof of purchase and warranty registration confirmation as well as your contact details.

You may either return the product for our further investigation, or send us a video of the defective Product, which demonstrates to our reasonable satisfaction that the Product is defective and undertake to safely dispose of the defective Product. For safety reasons, you must not continue to use the defective Product.

Upon receipt of the defective Product, or a video of the defective Product, we will inspect it. If the defect is the result of a manufacturer fault, we will determine if the fault requires a replacement or repair and either send you a replacement Product or effect a repair.

This warranty against defects is in addition to any other rights and remedies to which you may be entitled under Australian law.

To Clarify:

What is covered by the warranty:

- The repair or replacement of your Arovec product (at Arovec's discretion) if the product is found to be defective due to faulty manufacture. Arovec reserves the right to determine if the fault requires a replacement or repair.
- Packaging and instructions of a faulty product may also be replaced if damaged.
- This warranty is valid for personal use of your device within Australia only.

What is not covered by the warranty:

- Using the products for commercial purposes, or anything other than normal domestic personal use.
- Use of the product outside Australia.
- Accidental damage or faults caused by negligence, misuse, vandalism or neglect.
- Damage or faults caused by not following the instructions in the user manual.
- Unsupervised use by children under the age of 18.
- Repairs or alterations carried out by parties other than Arovec or an authorised agent.
- Any other conditions not listed above are not covered by Arovec warranty.

1.2 For Renew Products:

A renewed Product, which is purchased from a seller that is authorised by Arovec, is only covered under six months warranty and is not eligible for the free warranty extension.

1.3 For Replacements:

Replacement of a brand-new Product is only covered by the one-year standard warranty from the date of replacement arrangement and is not eligible for the one-additional year free warranty extension.

Replacement of a renewed Product that is purchased from a seller and is authorised by Arovec is only covered by six months warranty from the date of replacement arrangement and is not eligible for the free warranty extension.

(2) Australian Consumer Law:

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

(3) Disclaimer:

You are solely responsible for evaluating the Product and determining whether it is fit for your purpose.

You acknowledge and agree that Product is not safe for use by children.

You acknowledge and agree that working with the Product is dangerous and carries the risk of electric shock, burns, lacerations, other injuries and death.

You acknowledge that you use the Product at your own risk and that you are responsible at all times for evaluating whether or not it is safe to use the Product.

(4) Limitation of Liability:

In addition to the requirements set out in clause 1 of this warranty and disclaimer document, the warranty provided under that clause will not apply if a defect with the Product results in any way from some act or omission by you in relation to the appropriate care, maintenance and/or use of the Product, or if a defect with the Product results from ordinary wear and tear, or if you fail to follow our or the manufacturer's instructions for care, maintenance and/or use of the Product, or if you are unable to provide proof of purchase.

Except as otherwise provided by law, we accept no liability for any loss, damage or injury which may arise in any way from the use of the Product by you or by any other person.

Except as otherwise provided in this warranty and disclaimer, to the maximum extent permitted by law, we exclude all conditions and warranties implied by custom, law or statute, and we expressly disclaim all warranties of any kind including but not limited to implied warranties that the Product is fit for a particular purpose.

You hereby agree that we are not liable for any direct, indirect, consequential or incidental loss or damage which may result from your use of the Product.

Except as otherwise provided by law or as otherwise set out in this warranty and disclaimer, our liability to you shall be limited to the cost of replacement of the Product, together with your reasonable costs of postage and/or delivery in connection with your returning of the Product.

(5) Indemnity:

You agree to defend, indemnify and hold us and our officers, directors, employees, contractors, members, agents and licensees harmless from and against any and all claims, charges, actions, liabilities, investigations, demands and similar including but not limited to any costs, losses, damages whether direct, indirect, consequential or special and all legal fees resulting from your use of the Product, including but not limited to any third-party claims.



CUSTOMER SUPPORT-AUSTRALIA

Feel free to contact our helpful customer support team with any questions or inquiries regarding your product.

Your satisfaction is our priority.

Ausbrilliant Brands
PO Box 2, Ermington NSW 1700, Australia

www.arovec.com.au
support@arovec.com.au

Please provide your order number when you contact customer support.
Alternatively, you may contact us using the Contact Us form on the website.

NOTE:

NOTE:



Questions or Concerns?

support@arovec.com.au

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