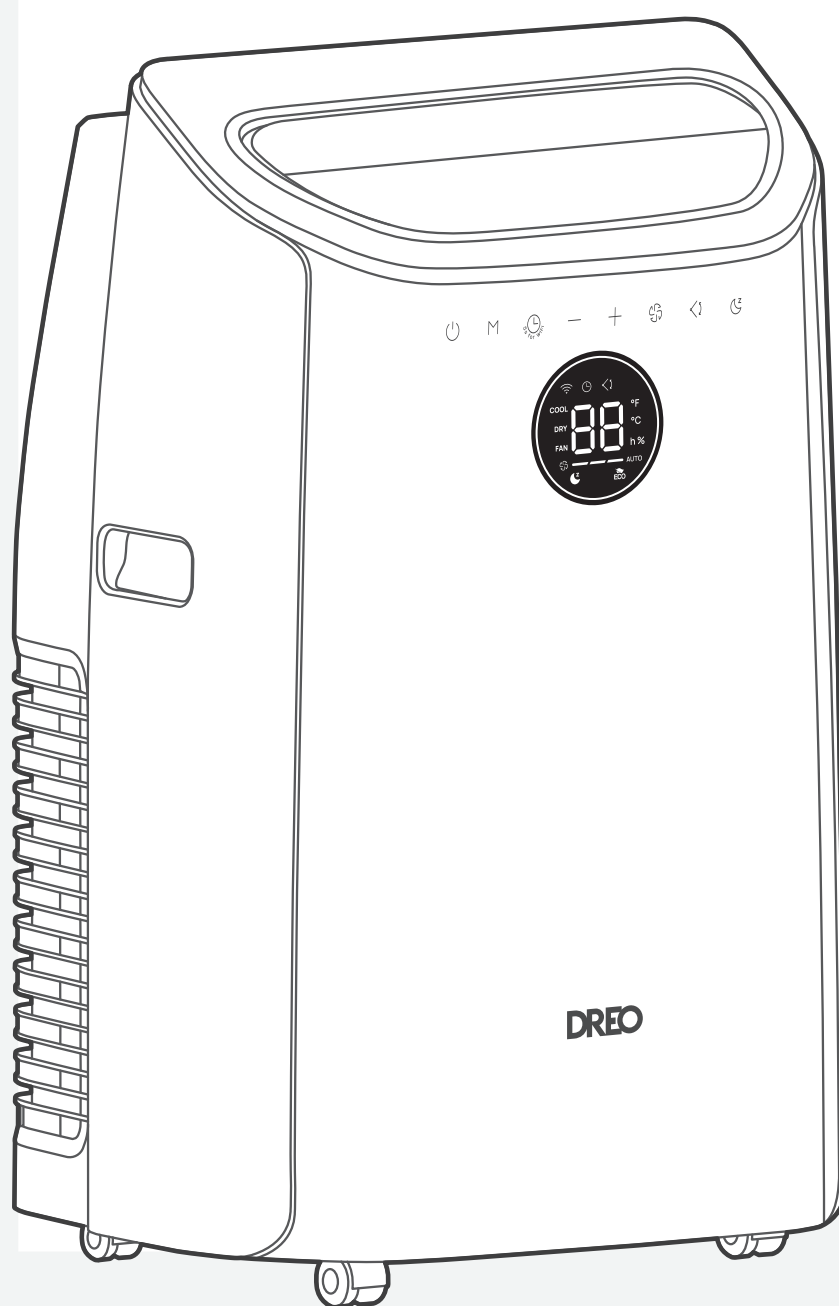


# DREO

## Portable Air Conditioner AC516S

### USER MANUAL



//

# Thanks for Choosing **DREO!**

Your support means the world to us. We hope you enjoy our product as much as we did creating it.

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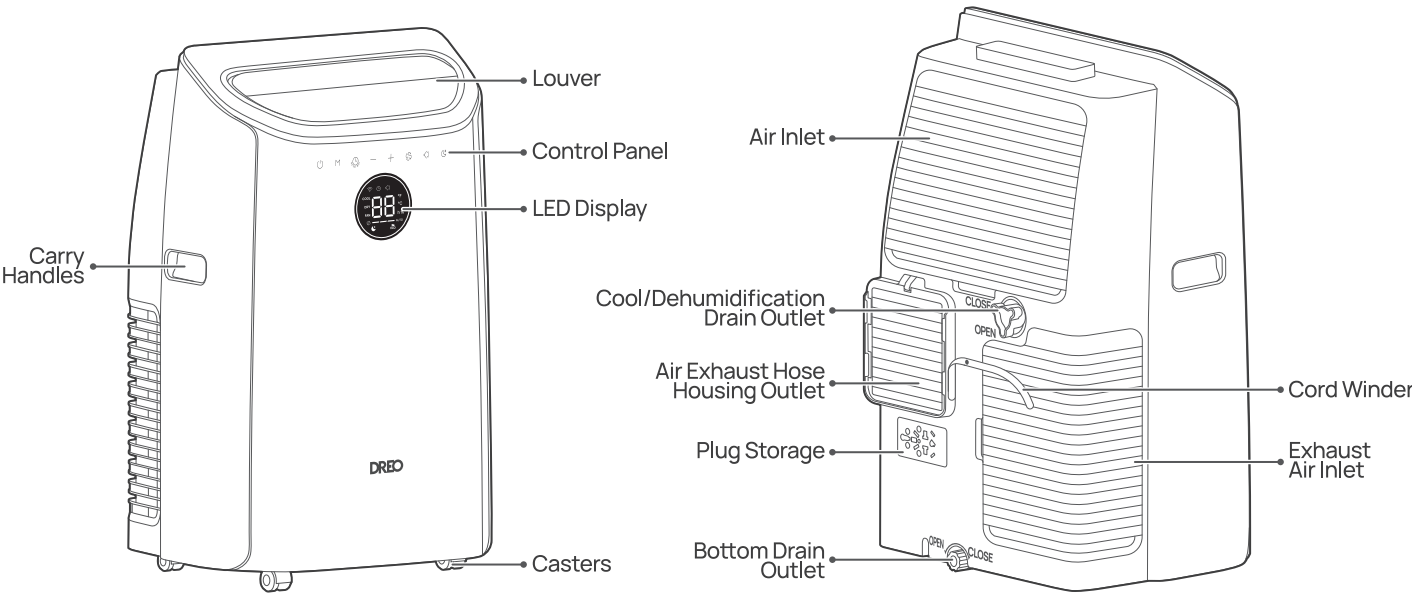
# ASSEMBLING YOUR AIR CONDITIONER

# 01

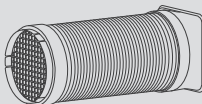
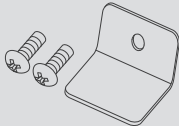
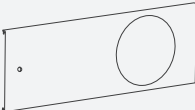
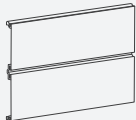
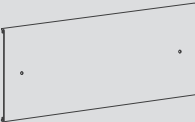
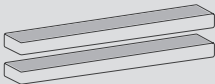
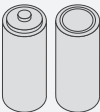


Please keep the air conditioner upright for at least 24 hours before using the unit for the first time.

## Package Contents



## Accessories

|                                                                                     |                            |                                                                                     |                                       |                                                                                       |                                           |
|-------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------|
|  | Air Exhaust Hose           |  | Locking Plate and Screw X 2           |  | Butterfly Bolt x 3                        |
|  | Window Panel (A)           |  | Window Extension Panel (B)            |  | Window Extension Panel (C)                |
|  | Window Extension Panel (D) |  | Long Foam Seal (60-inch Adhesive) x 4 |  | Long Foam Seal (79-inch Non-Adhesive) x 2 |
|  | Drain Hose x 1             |  | Remote Control                        |  | Remote Control Battery                    |

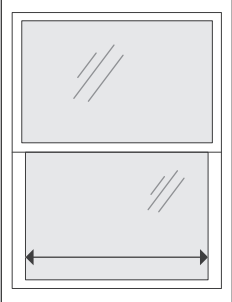
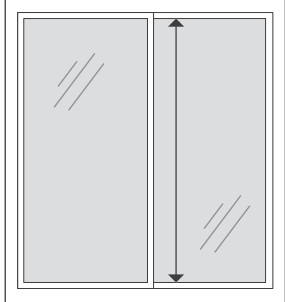
# Getting Started

## 1.Preparing the Window Panel

Standard maximum and minimum window openings:

MAXIMUM: 53" (134.6 cm)

MINIMUM: 18" (45 cm)

| Hung Window                                                                                                                                                                   | Sliding Window                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Measure the width between the frames of the opened window.<br/>Suitable for: 18"-53"</p> |  <p>Measure the height between the frames of the opened window.<br/>Suitable for: 18"-53"</p> |

Prepare the corresponding panels to use according to your window opening size:

| Window Opening Size | Panels to Use     |                   |                   |                   |
|---------------------|-------------------|-------------------|-------------------|-------------------|
|                     | Extension Panel A | Extension Panel B | Extension Panel C | Extension Panel D |
| 18"                 | ✓                 |                   |                   |                   |
| 18.1"-24.8"         | ✓                 | ✓                 |                   |                   |
| 24.8"-33"           | ✓                 |                   | ✓                 |                   |
| 33"-46.5"           | ✓                 |                   | ✓                 | ✓                 |
| 46.5"-53"           | ✓                 | ✓                 | ✓                 | ✓                 |

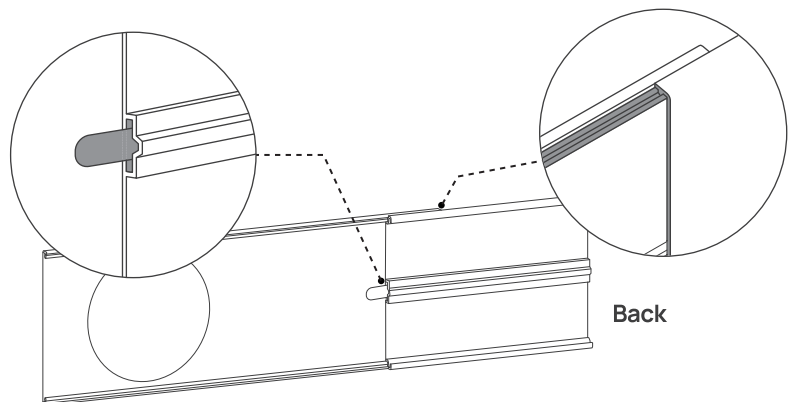
Note:

- For openings smaller than 18" proceed to measure and cut the panel A to fit the opening.
- For openings larger than 53" contact Dreo customer support.

### Extension Panel Assembly

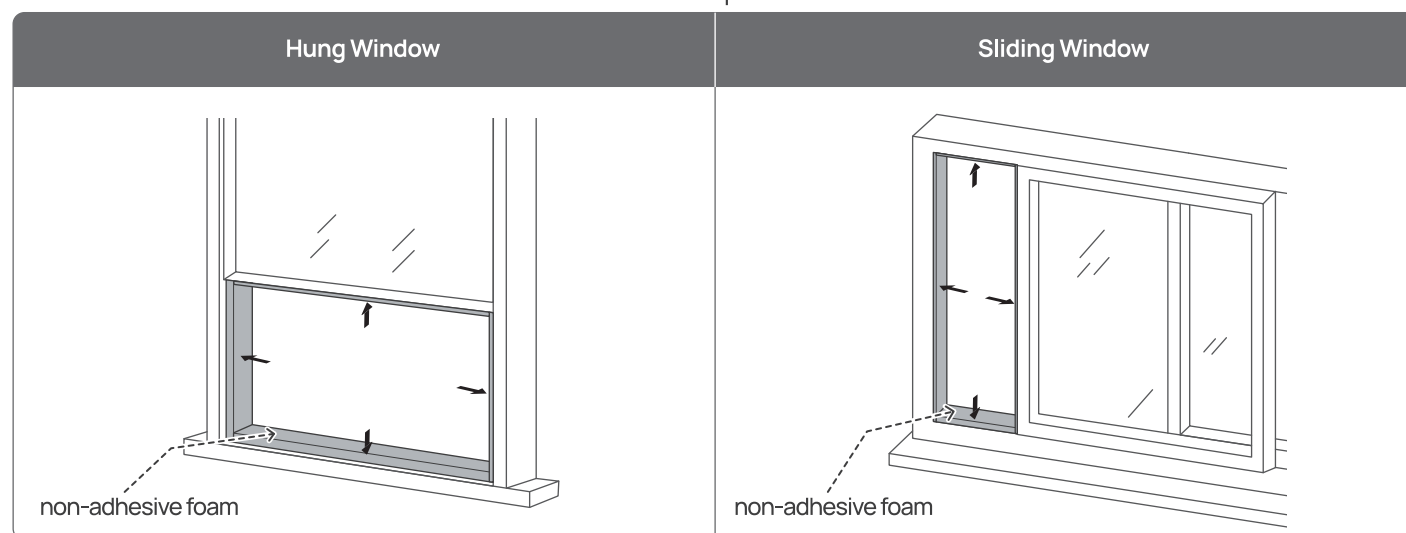
**Align the back side slot with the panel's butterfly bolt.**

Note: The butterfly bolt must be inserted in the backside slot before installing the panel on the window.



## 2.Installing the Adhesive Foam Seals

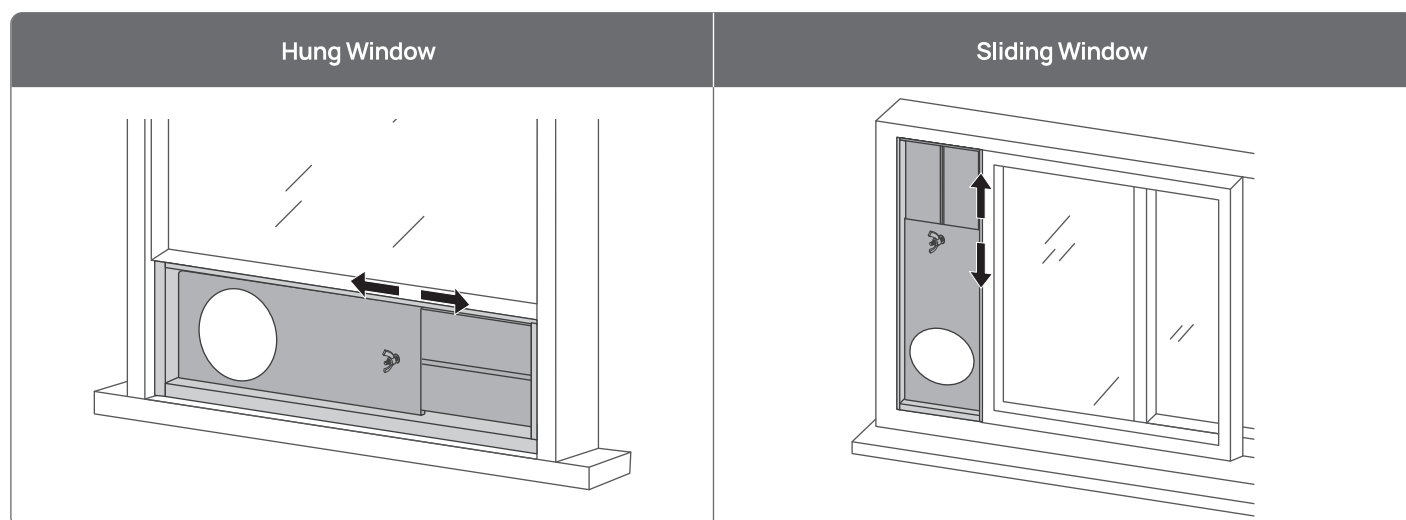
Cut the adhesive foam seals to proper lengths, peel the back side and attach them to the window frame and sash as shown.  
Note: It is recommended to use non-adhesive foam for the bottom part of the frame.



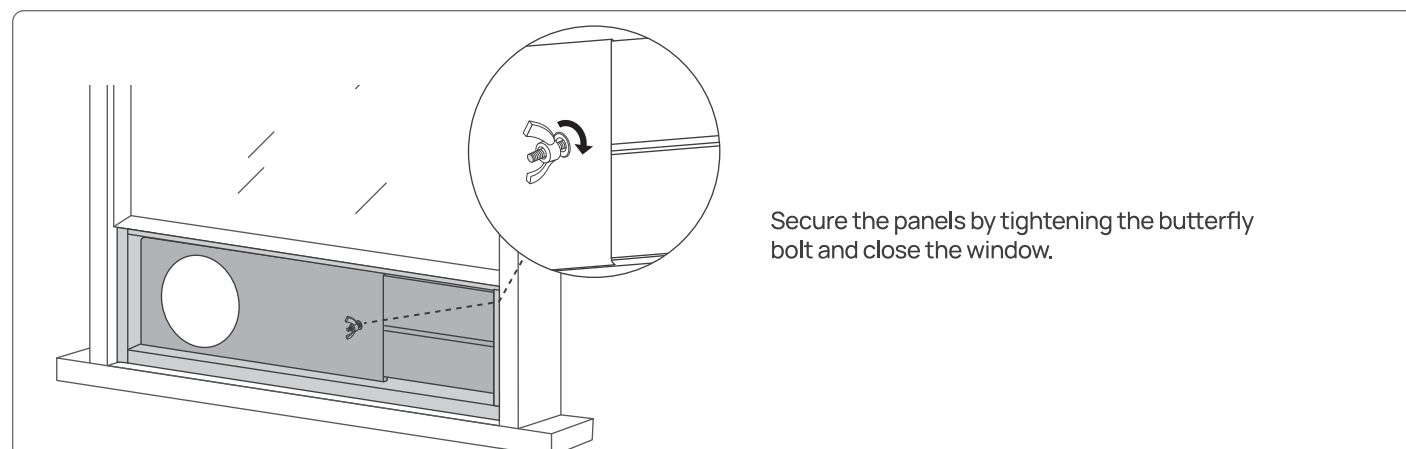
## 3.Installing the window panel

Place the panel on the window and adjust the extension according to the opening length.

Note: Make sure both panels are facing the front. You can add adhesive foam around the panel for a more secure fit into the window.

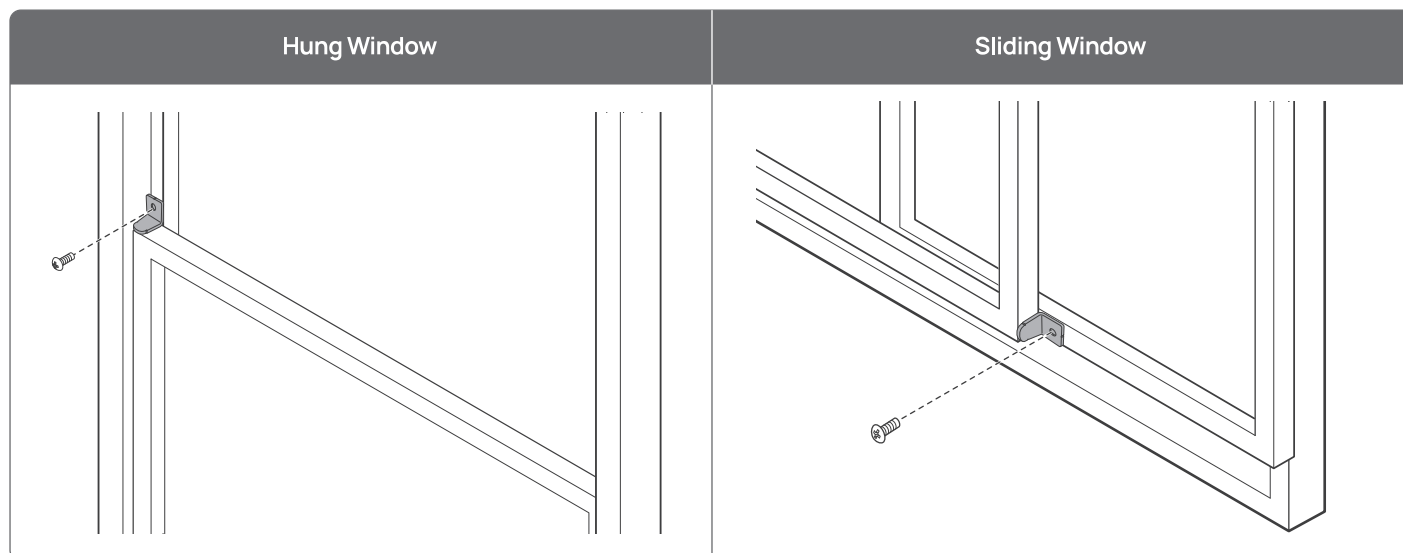


## 4.Securing the extension panel



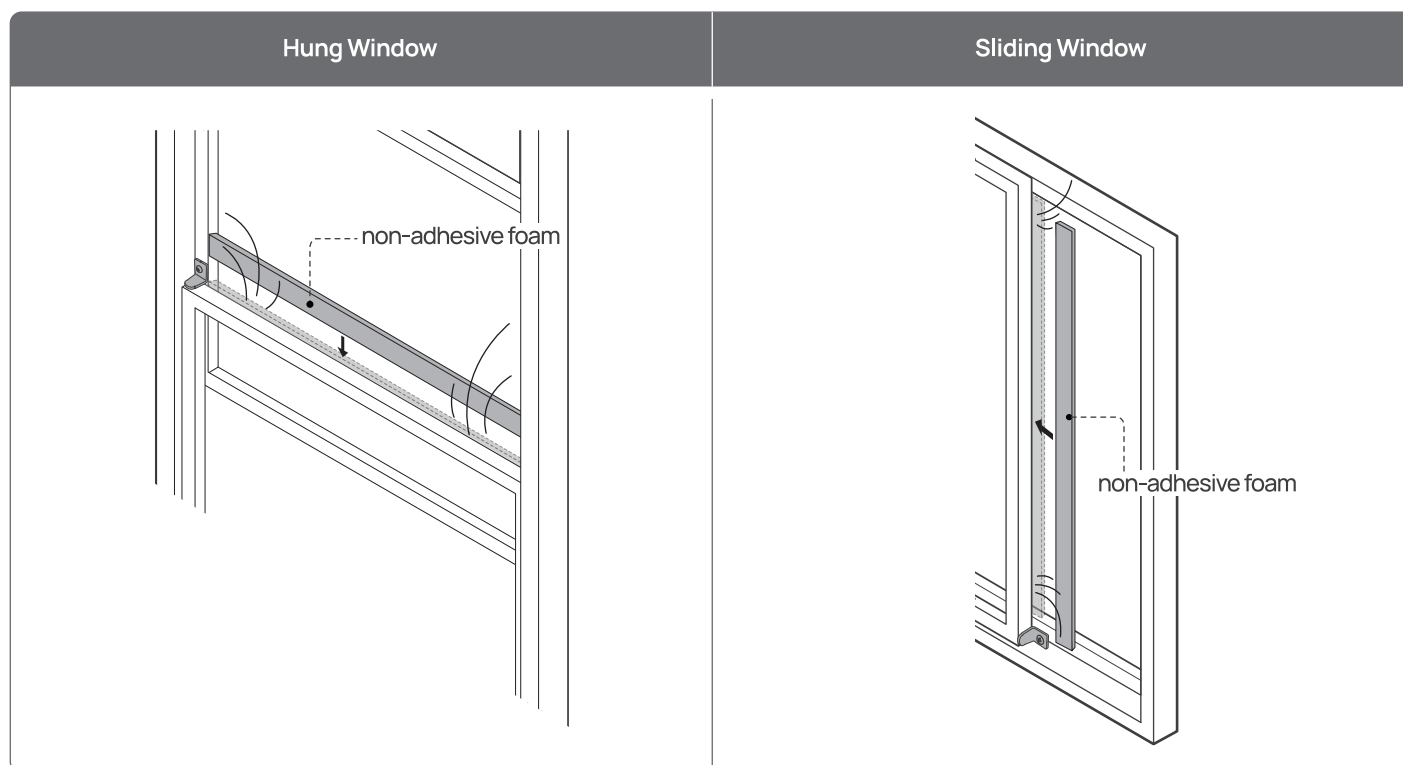
## 5. Installing the Security Bracket

Close the window onto the panel assembly and install the security bracket as shown to secure if desired.



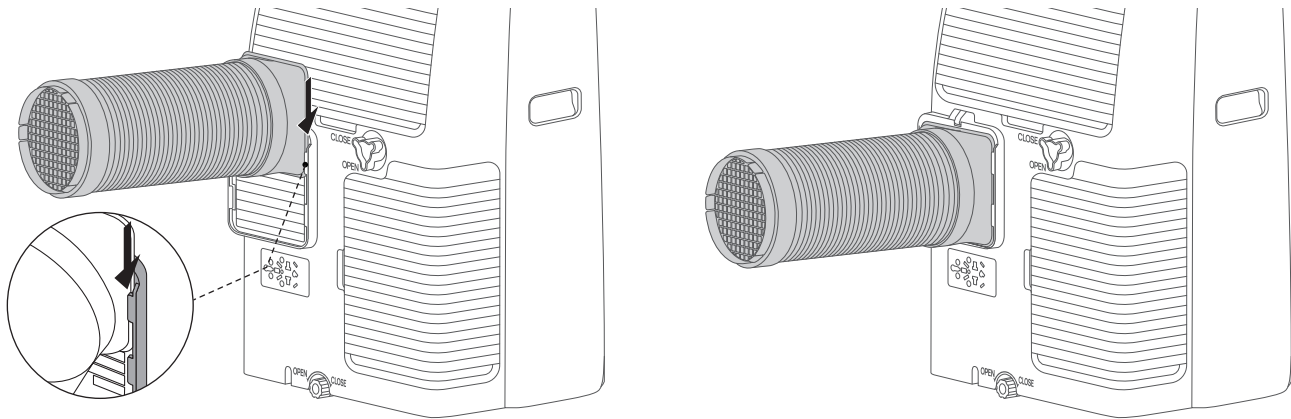
## 6. Installing Non-Adhesive Foam Seals

Cut a non-adhesive foam seal to proper size and seal gaps to prevent air and insects from getting into the room.

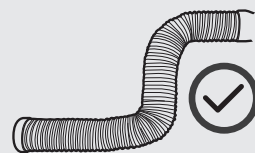


## 7. Attaching the Hose to the Air Conditioner

Align the hose inlet with the slots over the air exhaust hoising outlet to assemble.



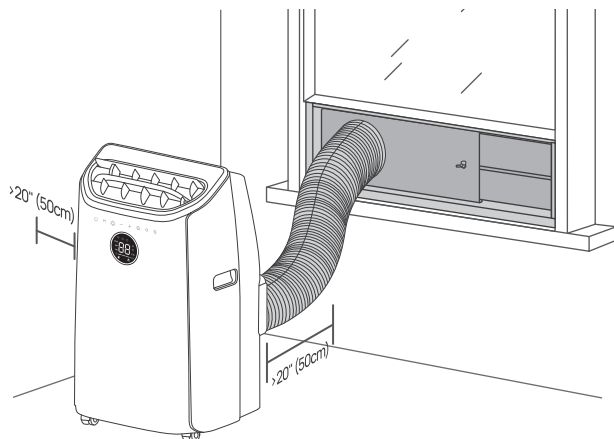
To ensure optimum performance, DO NOT overextend or bend the hose. Place the air conditioner at least 20" away from windows. Do not cover or place objects against the air conditioner.



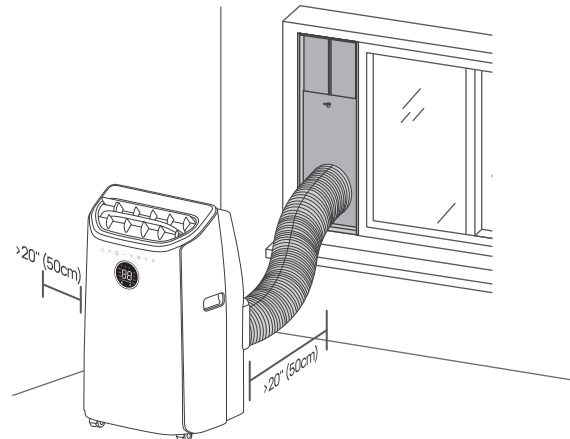
## 7. Attaching the Hose to the Window

Attach the vent hose to the cutout on the window panel.

Hung Window



Sliding Window





# KNOWING YOUR AIR CONDITIONER

# 02

## Control Panel



### Power Button

- Turn on/Standby mode
- Long press for 10s to restore factory settings.



### Mode Button

- Switch between Cool, Only and Dry (dehumidify) modes.



### Timer Button

- Select to set a timer (0-12h)
- Long press for 5s to start network settings and device pairing



### Increase (+) and Decrease (-) Buttons

- Select to increase or decrease temp/timer.
- Press ⊖ and ⊕ simultaneously for 3s to switch between Fahrenheit and Celsius.



### Fan Speed Button

- Adjust airflow speed between low, mid, high and auto.

LOW  —  
MID  — —  
HIGH  — — — —  
AUTO  — — — — — AUTO

The speed indicator changes according to the actual fan speed.



### Swing Louver Button

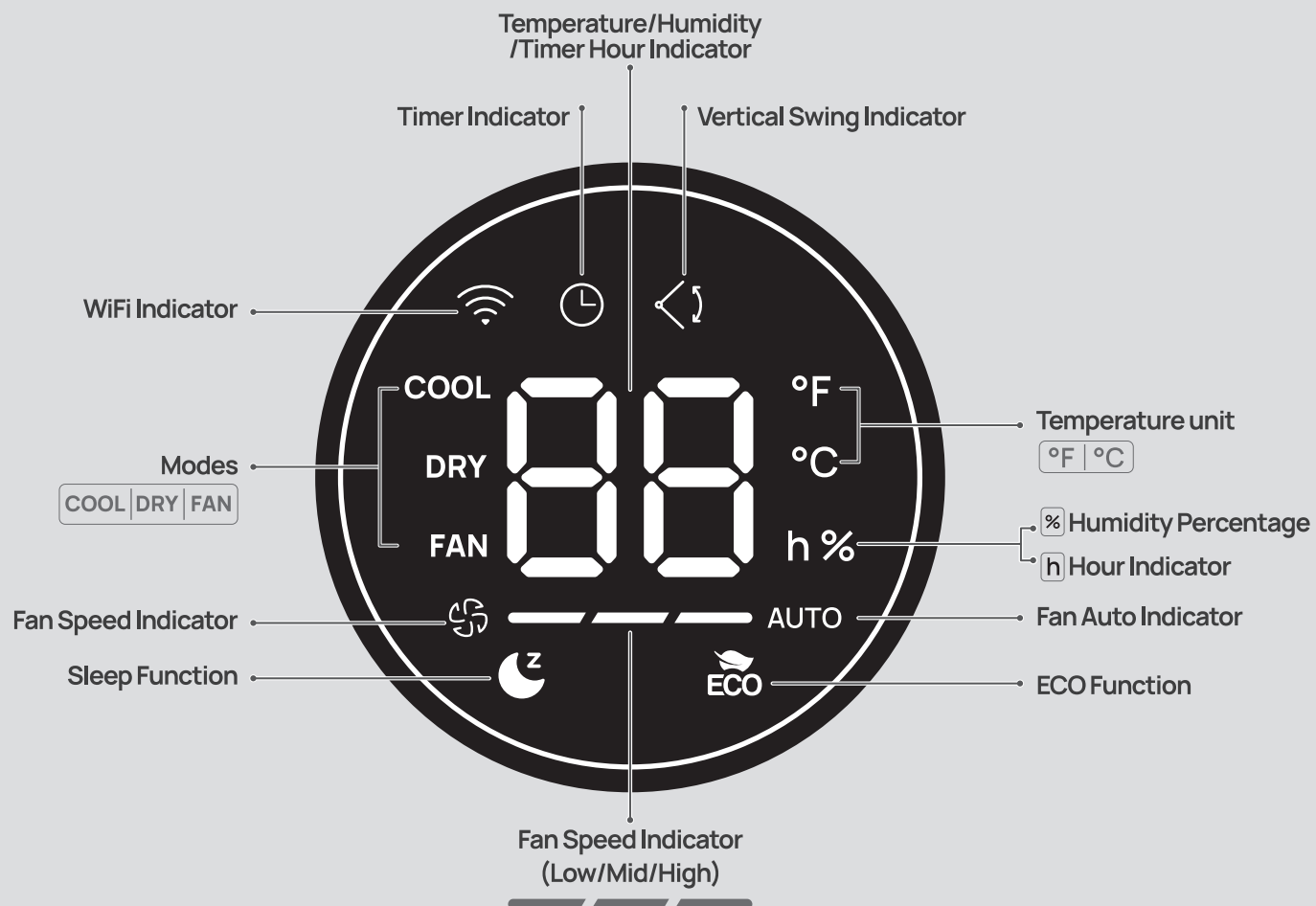
- Sets the air discharge louvers to oscillate up and down.
- Long press for 5s to activate/deactivate the Child Lock function (Display will show "LC" when activated)



### Sleep Function Button (Only available in Cool Mode)

- Turns Sleep Function on/off
- Long press for 5 seconds to turn on/off the ECO Function
- Sleep Function automatically turns off after 8 hours.
- All beep sounds, and the LED display are turned off. You can wake up the screen by touching any button.
- In Sleep function, target temperature increases in stages (2°F for every hour, up to 6°F) to compensate body temperature loss during sleep.
- You can customize the temperature increase of Sleep Function through the Dreo App.

## LED Display



## Working Modes

### Cool Mode (65°F to 86°F)

---

- Fast cooling with customizable temperature and fan speed.
- You can select your target room temperature by touching  or .
- The fan speed can be customized by touching .

### Fan Only

---

- The air conditioner blows air into the room.
- Choose between four different fan settings (Low, Mid, High, Auto)
- Temperature cannot be adjusted in Fan Mode.

### Dry (RH 30%-80%)

---

- Reduces room relative humidity.
- Default humidity set to 60%.
- You can set target humidity from 30% to 80% (5% increments).
- Keep windows and doors closed for the best dehumidifying effect.
- Fan speed changes automatically and cannot be adjusted.
- In Dry Mode, please remove the cover and attach a drain hose to the main drain outlet, and place a bucket at the other end for water drainage.

### ECO (76°F to 86°F)

---

- ECO function is only effective in cooling scenarios.
- Press the Sleep Function Button for 5 s to activate/deactivate the ECO function.
- Set target temperature from 76°F to 86°F by touching  or .
- Choose from different saving percentage options through the Dreo app.

### Sleep

---

- Sleep function is only available when using Cool Mode.
- Target temperature increases in stages (2°F for every hour, up to 76°F) to compensate body temperature lost during sleep.
- You can customize the temperature increase of every stage in the Dreo app.
- You can select your target room temperature by touching  or .
- All beep sounds, LED display are turned off. You can wake up the screen by touching any button.
- The louver swing will decrease to reduce noise.

## Additional Features



### Timer

When the air conditioner is ON/OFF, touch the timer button repeatedly to set a timer (1-12h). When the timer ends, the air conditioner will stop/start running automatically. To cancel, set the timer to 0 hour.



### Memory

If the air conditioner is turned OFF and connected to power, it will operate under the previous settings (except the timer setting) when it is turned ON again.



### Firmware Update

Check the firmware version on the Dreco app and update regularly for the air conditioner to work more efficiently.

Display will show "UP" during the update process. Do not operate until the update is completed.



### Child Lock

Long press <1 for 5 seconds to activate/deactivate the Child Lock function, when activated, the display will show "LC", and all the buttons on the air conditioner will be locked.

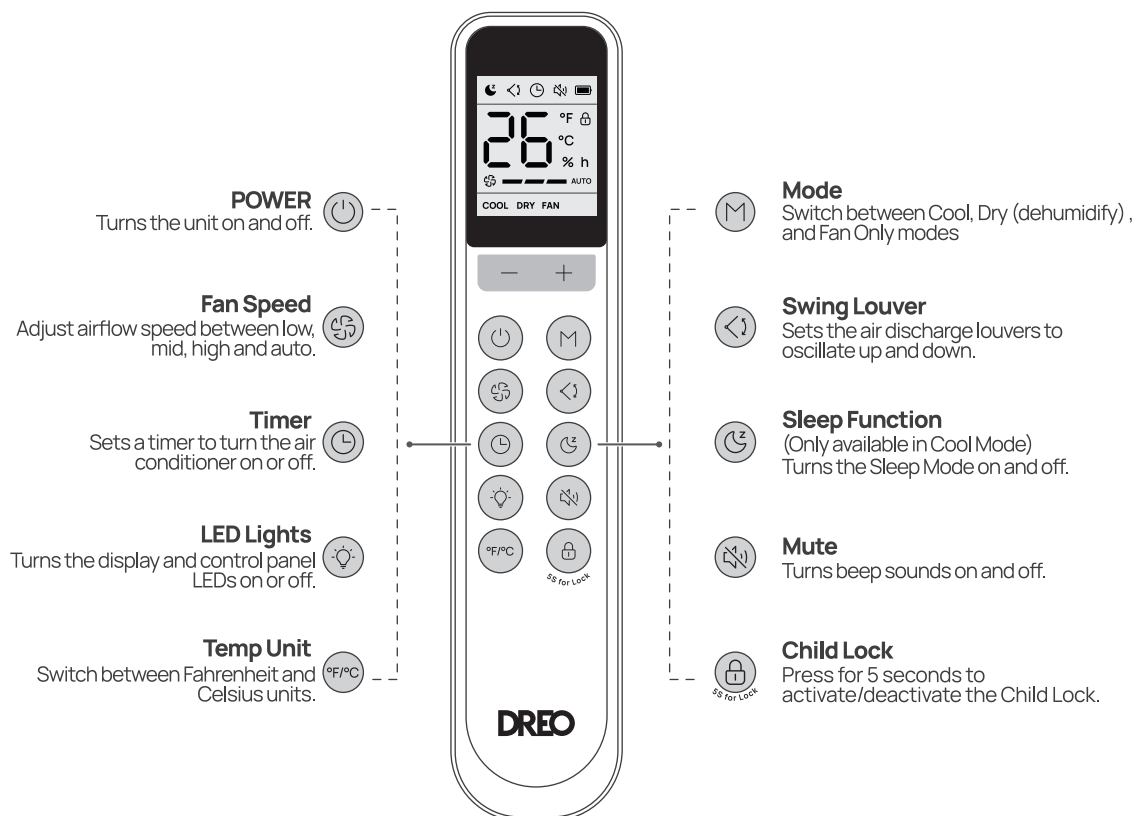
°F °C

### Temperature Unit Switch

Long press the (+) and (-) to switch the temperature units displayed in your air conditioner.

## Remote Control

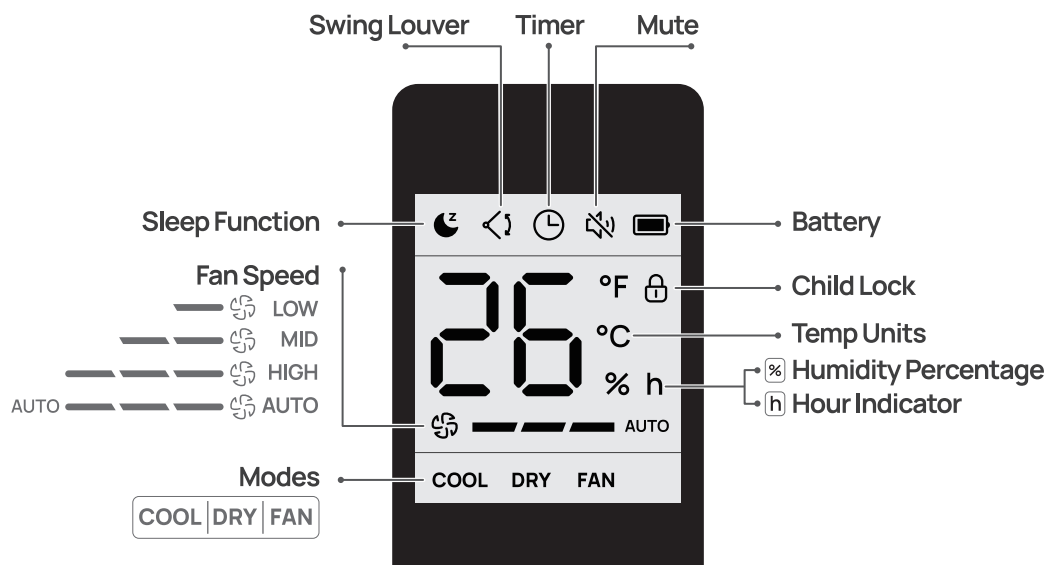
### Controls



#### NOTE:

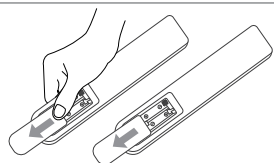
Use the remote control within 26 ft. From the unit, ideally in less than 45° angle

## Indicators



## Battery Replacement

Your air conditioner may come with two batteries. Put the batteries in the remote control before use.



1. Slide the back from the remote control downward, exposing the battery compartment.
2. Insert the batteries, paying attention to match up the (+) and (-) ends of the batteries with the symbols inside the battery compartment. Slide the battery cover back into place.



## WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause Internal Chemical **Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



- a) Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- b) Even used batteries may cause severe injury or death.
- c) Call a local poison control center for treatment information.
- d) Compatible battery type: AAA.
- e) Battery nominal voltage: 3.0 Vdc
- f) Non-rechargeable batteries are not to be recharged.
- g) Do not force discharge, recharge, disassemble, heat above (rated temperature: 140 °F) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- h) Ensure the batteries are installed correctly according to polarity (+ and -).
- i) Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- j) Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- k) Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

## CAUTION

### Airflow Direction Adjustment

The louver can be adjusted automatically. Adjust the airflow direction automatically;

- When the power is ON, the louver opens fully.

- Press the Swing Louver button on the panel or remote controller to initiate the Auto swing feature. The louver will swing up and down automatically.

Please do not adjust the louver manually.

# CLEANING AND MAINTENANCE

# 04

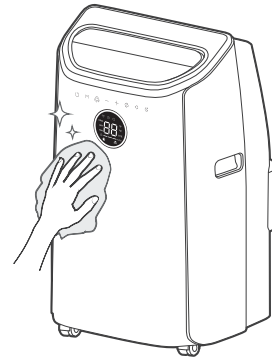


## WARNING

- Always turn off and unplug the appliance before cleaning or servicing.
- DO NOT use flammable liquids or chemicals to clean the appliance.
- DO NOT wash the appliance under running water. Doing so causes electrical danger.
- DO NOT operate the appliance if the power supply was damaged during cleaning.
- A damaged power cord must be replaced with a new cord from the manufacturer.

## Outer Surface Cleaning

Clean the outer surface using a damp, lint-free cloth and mild detergent. Dry the appliance with a dry, lint-free cloth.

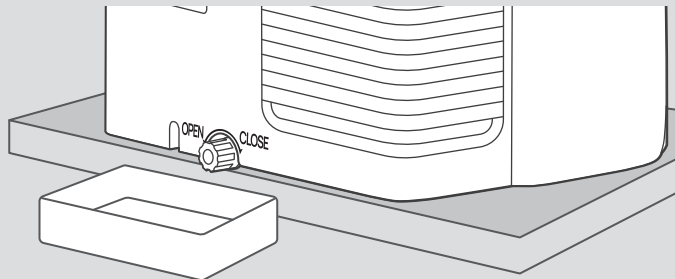


## Water Drainage

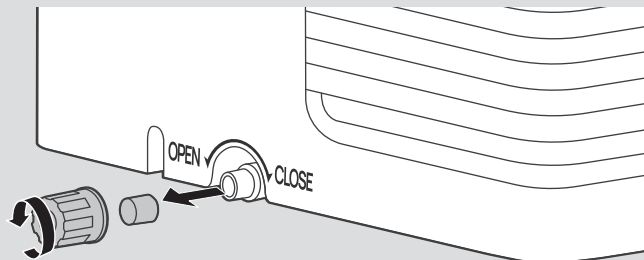
Your air conditioner has a built-in evaporator so the water compartment would not typically fill unless there is high humidity in the environment.

### Intermittent & P1 Drainage

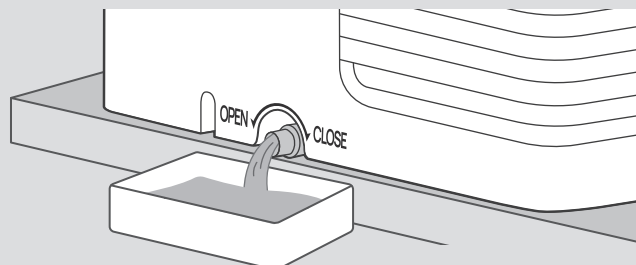
- 1 Unplug the unit and carefully move it to a drain area or use a drip pan (not included). (It is recommended to place the unit on a higher level than the drip pan).



- 2 Remove the bottom drain cap.



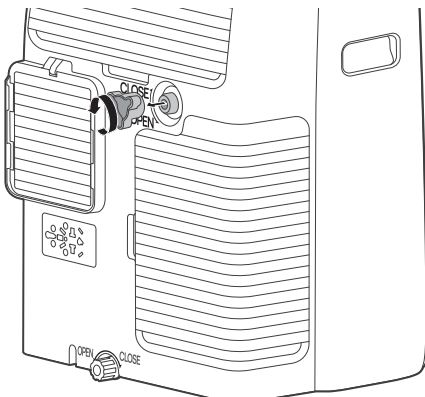
- 3 Let the water drain until the water reservoir is empty, then replace the drain cap. Restart the machine. If the error code repeats. Call for service.



## Continuous Drainage

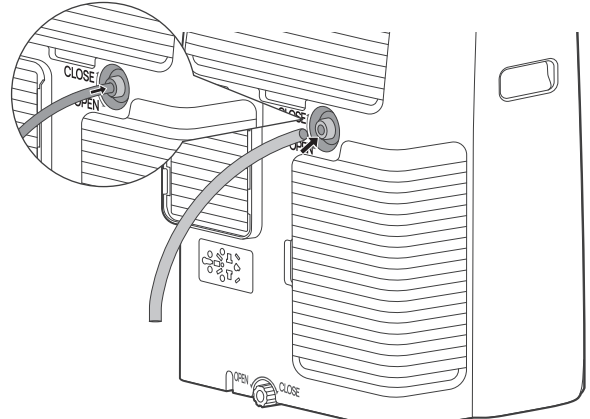
When using Dry mode, you will need a hose to drain the condensed water from the unit. Follow the steps below:

**1**



Unscrew the main drain outlet cap  
Note: Use a drip pan when opening the outlet cap to avoid wetting floors.

**2**



Connect the hose to the main drain outlet then lead the other end into a drain that is lower than the unit.

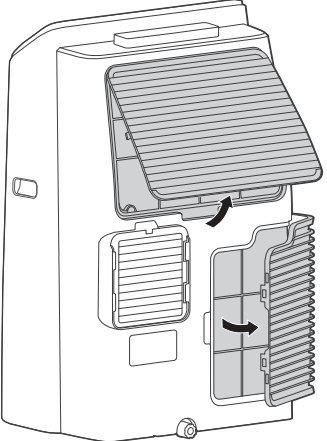
### NOTE

- Condensate may leak out after removing the drain cap, if the unit is running in Cool or ECO function. Make sure to prepare a drip tray (not included) to collect the leakage.
- Make sure that the height of the drain and section of the drain hose should not be higher than that of the drain outlet, or the continuous drainage may not work properly.
- For maximum performance, during Cool or ECO function, it is recommended to disable continuous drainage by replacing the drain cap to the drain outlet.

## Air Filter Cleaning

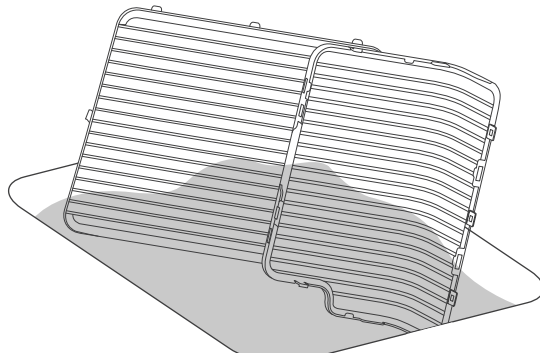
For better performance and less operational noise, clean the appliance filter at least once every two weeks.

**1**



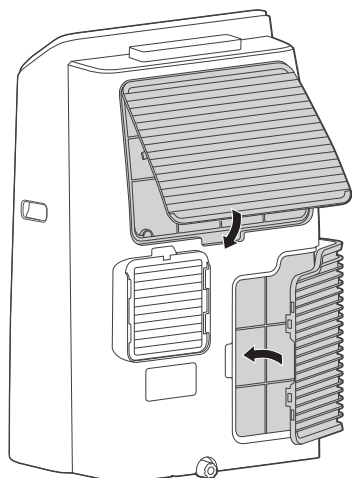
Remove both grills from the back of the unit.

**2**



If there is stubborn dirt or dust, immerse in lukewarm water and rinse a couple of times.

3

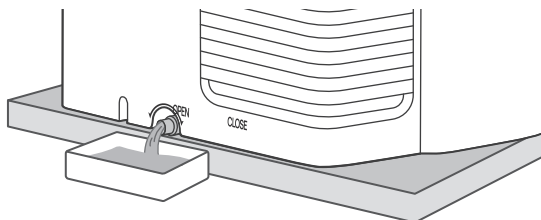
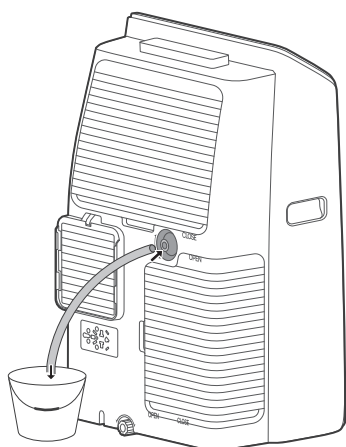


Let the filter dry before re-attaching to the main unit.

## Winter Storage

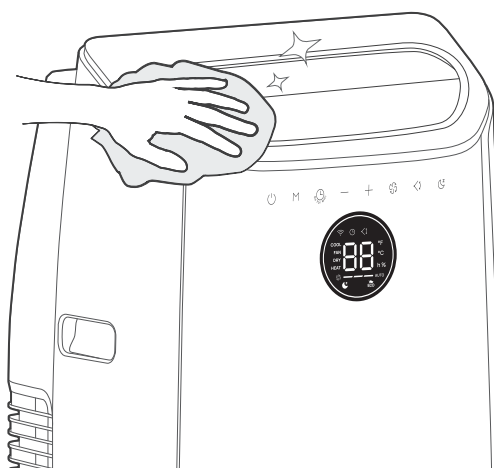
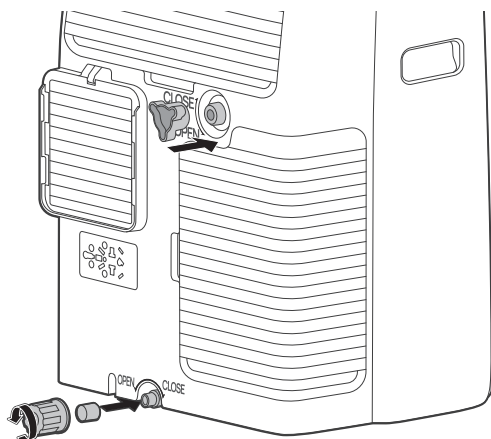
If you are not using the air conditioner for a long period of time:

- Drain any remaining water from the tank and leave the both drain outlets open for enough time to allow all residual water to drain out.



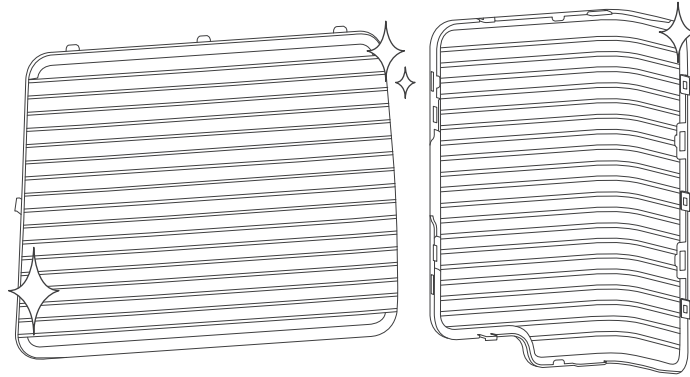
- Once the tank is completely drained close the main and backup drain outlet.

- Clean the louver

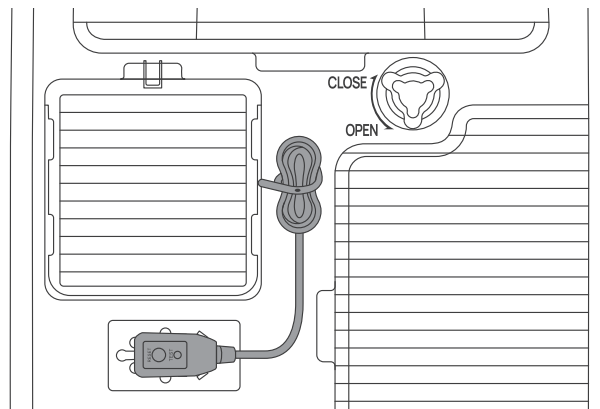




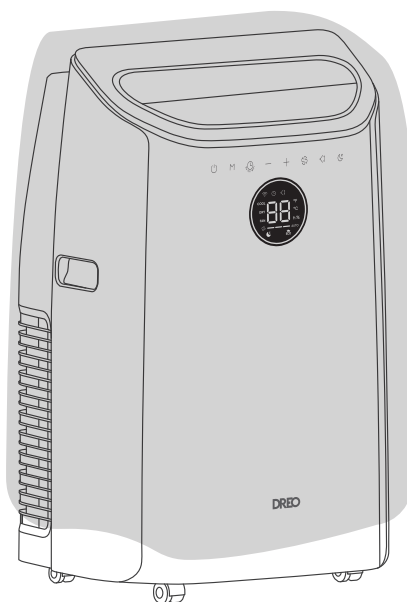
- Clean the filter and dry thoroughly before reinstalling.



- Wrap around the cord using the plastic cord strip and plug it to the air conditioner outlet storage.



- Wrap the air conditioner in a plastic bag to prevent dust buildup decreasing its efficiency.



# TROUBLESHOOTING

# 05

| Problem                                              | Possible Cause                                                     | Solution                                                                                                                |
|------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| My air conditioner is not working                    | Unit not plugged correctly                                         | Make sure the unit is plugged firmly into the outlet.                                                                   |
|                                                      | Plug Current Device tripped.                                       | Press the RESET button.                                                                                                 |
|                                                      | Room temperature is lower than the target temperature (Cool Mode). | Reset the temperature.                                                                                                  |
|                                                      | P1 Protection Code                                                 | The water collection tray is full. Turn off your air conditioner, drain the water and restart the unit.                 |
|                                                      | E0/E1/E2 Error Codes                                               | This is normal, you can still use your air conditioner.<br>If the problem persists, contact customer service (Page 20). |
| Unit does not cool well                              | The air filter is blocked with dust or animal hair                 | Turn off the unit and clean the filter according to instruction (see page 19)                                           |
|                                                      | Exhaust hose is not connected or it is blocked                     | Turn off the unit, disconnect the hose, check for blockage and reconnect the hose.                                      |
|                                                      | The windows and doors in the room are open                         | Make sure all windows and doors are closed.                                                                             |
|                                                      | The unit is low on refrigerant                                     | Contact customer service to inspect the unit and top off refrigerant.                                                   |
| Ice formed on the cooling coil behind the air outlet | Indoor temperature is below 60°F (16°C)                            | Change to FAN only mode.                                                                                                |
|                                                      | Air filter may be dirty.                                           | Clean the filter and then set the air conditioner to FAN only mode.                                                     |
| The unit is noisy and vibrates too much              | The air conditioner is not placed on a level surface.              | Place the unit on a flat, level surface                                                                                 |
|                                                      | The air filter is blocked with dust or animal hair                 | Turn off the unit and clean the filter according to instructions                                                        |
| The unit makes a gurgling sound                      | Flow of refrigerant inside the unit                                | This is normal                                                                                                          |

