



EN

DEHUMIDIFIER

Rated voltage: 115V
Frequency: 60Hz

Warning notices:
The design and specifications
are subject to change without
prior notice for product
improvement.

version E - 10 - 2023

Owner's Manual

ITM. / ART. 1769129



IMPORTANT NOTE:

Before using your air conditioner, please read
this manual carefully and keep it for future reference.

MAD50PS1AWT-C

www.midea.com

CONTENTS

Safety precautions	01
Get to know your product	
Get to know your product	12
Get to know your features	17
Operations	
Removing collected water	20
App instructions	24
Care and Maintenance	29
Troubleshooting	31
Warranty	32

For support, please call the Service Center at 1-866-646-4332.
Service Center Operation Hours: Monday through Friday 8 a.m. to 7 p.m. EST
Saturday 9 a.m. to 4 p.m. EST
Language Spoken: English

Safety Precautions

Must read the warning message.

Read Safety Precautions Before Operation and Installation. To prevent property damage or personal injury, these instructions must be followed. Incorrect operation due to ignoring of instructions may cause damage or personal harm. The level of risk is shown by the following indications

Explanation of Symbols



WARNING

The signal word indicates a hazard with a high level of risk which, if not avoided, may result in serious injury or death.



CAUTION

The signal word indicates a hazard with a low degree of risk which, if not avoided, may result in minor or moderate injury.



CAUTION:

Risk of fire
flammable materials

Explanation of symbols displayed on the unit

	CAUTION	This symbol shows that the operation manual should be read carefully.
	CAUTION	This symbol shows that a service personnel should be handling this equipment with reference to the installation manual.
	CAUTION	This symbol shows that information is available such as the operating manual or installation manual.

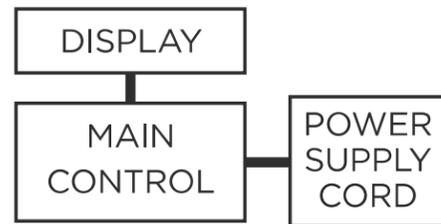
WARNING

- Do not exceed the rating of the power outlet or connection device.
- Do not stop or switch off the unit by cutting off the power.
- Do not damage or use an unspecified power cord.
- Do not modify power cord length or share the outlet with other appliances.
- Do not insert or pull out plug with wet hands.
- Do not install the appliance in a location that may be exposed to combustible gas.
- Do not place the unit near a heat source.
- Disconnect the power if strange sounds, smell, or smoke comes from it.
- Never try to take apart or repair the unit by yourself.
- Before cleaning, turn off the power and unplug the unit.
- Do not use the machine near flammable gas or combustibles, such as gasoline, benzene, thinner, etc.
- Do not drink or use the water drained from the unit.
- Do not take the water bucket out during operation.
- Do not use the unit in small spaces.
- Do not put in places where water may splash onto the unit.
- Place the unit on a level, sturdy section of the floor.
- Do not cover the intake or exhaust openings with cloth or towels.
- Care should be taken when using the unit in a room with the following persons: infants, children, elderly people, and people with reduced physical, sensory, or mental capabilities.
- Do not use in areas where chemicals are handled.
- Never insert your finger or other foreign objects into grills or openings. Take special care to warn children of these dangers.
- Do not place heavy objects on the power cord and take care so that the cord is not compressed.
- Do not climb up, on, or sit on the unit.
- Always insert the filters securely. Clean filter once every two weeks. See page 29 for filter cleaning instructions.
- If water enters the unit, turn the unit off and disconnect the power, contact a qualified service technician.
- Do not place flower vases or other water filled containers on top of the unit.
- Do not use extension cords.

CAUTION

- 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 a similarly qualified person in order to avoid a hazard.
- Prior to cleaning or other maintenance, the appliance must be disconnected from the power supply .
- Do not install the appliance in a location that may be exposed to combustible gas. If combustible gas accumulates around the unit, it may cause fire.
- If the appliance is knocked over during use, turn off the unit and unplug it from the main power supply immediately. Visually inspect the unit to ensure there is no damage. If you suspect the unit has been damaged, contact a technician or customer service for assistance.
- Our product should not be used in a water damaged environment.
- In a thunderstorm, the power must be cut off to avoid damage to the machine due to lightning.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
- Do not operate unit with a damaged cord or plug. Discard unit or return to an authorized service facility for examination and/or repair.
- To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.
- The appliance shall be installed in accordance with national wiring regulations.
- Contact the authorized service technician for repair or maintenance of this unit.
- Turn off the product when not in use.
- The manufacturer's nameplate is located on the panel of the unit and contains electrical and other technical data specific to this unit.
- Be sure the unit is properly grounded. To minimize shock and fire hazards, proper grounding is important.
- The power cord is equipped with a three-prong grounding plug for protection against shock hazards.
- Your unit must be used in a properly grounded wall receptacle. If the wall receptacle you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker (please refer to the nameplate for the electrical data), have a qualified electrician install the proper receptacle.
- The unit's circuit board (PCB) is designed with a fuse to provide overcurrent protection. Specifications of the fuse are printed on the circuit board, such as: T 3.15A/250V (or 350V), etc.

Electronic Work



NOTE: The cographs are for explanation purpose only. Your machine may be slightly different. The actual shape shall prevail.

⚠ WARNING:

- Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of a person competent in the use of flammable refrigerants.
- Before performing any electrical or wiring work, turn off the main power to the system.
- DO NOT modify the length of the power cord or use an extension cord to power the unit.
- DO NOT share a single outlet with other electrical appliances. Improper power supply can cause fire or electrical shock.
- Please follow the instructions carefully to handle, install, clean and service the appliance to avoid any damage or hazard.

Flammable

Refrigerant R32 is used within appliance.

- When maintaining or disposing the appliance, the refrigerant (R32) shall be recovered properly, shall not discharge to air directly.
- Compliance with national gas regulations shall be observed.
- Keep ventilation openings clear of obstruction.
- The appliance shall be stored so as to prevent mechanical damage from occurring.
- A warning that the appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.
- Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorizes their competence to handle refrigerants safely in accordance with an industry recognized assessment specification.

Examples for such working procedures are:

- breaking into the refrigerating circuit;
 - opening of sealed components;
 - opening of ventilated enclosures.
-
- No open fire or device like switch which may generate spark/arc shall be around appliance to avoid causing ignition of the flammable refrigerant used. Please follow the instruction carefully to store or maintain the appliance to prevent mechanical damage from occurring.
 - Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
 - The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance) and ignition sources (for example: an operating electric heater) close to the appliance.
 - Do not pierce or burn.
 - Be aware that the refrigerants may not contain an odor.

How to handle equipment containing flammable refrigerants

1. Transport of equipment containing flammable refrigerants

See transport regulations.

2. Marking of equipment using signs

See local regulations.

3. Disposal of equipment using flammable refrigerants

See national regulations.

4. Storage of equipment/appliances

The storage of equipment should be in accordance with the manufacturer's instructions.

5. Storage of packed (unsold) equipment

Storage package protection should be constructed such that mechanical damage to the equipment inside the package will not cause a leak of the refrigerant charge. The maximum number of pieces of equipment permitted to be stored together will be determined by local regulations.

6. Information on servicing

1) Checks to the area

Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimized. For repair to the refrigerating system, the following precautions shall be complied with prior to conducting work on the system.

2) Work procedure

Work shall be undertaken under a controlled procedure so as to minimize the risk of a flammable gas or vapour being present while the work is being performed.

3) General work area

All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided. The area around the workspace shall be sectioned off. Ensure that the conditions within the area have been made safe by control of flammable material.

4) Checking for presence of refrigerant

The area shall be checked with an appropriate refrigerating detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.

5) Presence of fire extinguisher

If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO2 fire extinguisher adjacent to the charging area.

6) No ignition sources

No person carrying out work in relation to a refrigerating system which involves exposing any pipe work that contains or has contained flammable refrigerant shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which flammable refrigerant can possibly be released to the surrounding space. Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. No Smoking signs shall be displayed.

7) Ventilated area

Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.

8) Checks to the refrigerating equipment

Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt consult the manufacturer's technical department for assistance. The following checks shall be applied to installations using flammable refrigerants:

The actual refrigerant charge is in accordance with the room size within which the refrigerant containing parts are installed;

The ventilation machinery and outlets are operating adequately and are not obstructed; If an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant; Marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected;

Refrigerating pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

9)Checks to electrical devices

Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised.

Initial safety checks shall include:

That capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking; That there are no live electrical components and wiring are exposed while charging, recovering or purging the system;

That there is continuity of earth bonding.

7.Sealed electrical components shall be replaced

1)During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers, etc. If it is absolutely necessary to have an electrical supply to equipment during servicing, then a permanently operating form of leak detection shall be located at the most critical point to warn of a potentially hazardous situation.

2)Particular attention shall be paid to the following to ensure that by working on electrical components, the casing is not altered in such a way that the level of protection is affected.

This shall include damage to cables, excessive number of connections, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc.

Ensure that apparatus is mounted securely.

Ensure that seals or sealing materials have not degraded such that they no longer serve the purpose of preventing the ingress of flammable atmospheres. Replacement parts shall be in accordance with the manufacturer's specifications.

NOTE: The use of silicon sealant may inhibit the effectiveness of some types of leak detection equipment. Intrinsically safe components do not have to be isolated prior to working on them.

8.Intrinsically safe components must be replaced

Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current permitted for the equipment in use.

Intrinsically safe components are the only types that can be worked on while live in the presence of a flammable atmosphere.

The test apparatus shall be at the correct rating. Replace components only with parts specified by the manufacturer. Other parts may result in the ignition of refrigerant in the atmosphere from a leak.

9.Cabling

Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects. The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

10.Detection of flammable refrigerants

Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.

The following leak detection methods are deemed acceptable for systems containing flammable refrigerants.

Electronic leak detectors shall be used to detect flammable refrigerants, but the sensitivity may not be adequate, or may need re-calibration.

(Detection equipment shall be calibrated in a refrigerant-free area).

Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used. Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed and the appropriate percentage of gas (25 % maximum) is confirmed. Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.

If a leak is suspected, all naked flames shall be removed/extinguished. If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. Removal of refrigerant shall be according to Removal and evacuation.

11.Removal and evacuation

When breaking into the refrigerant circuit to make repairs - or for any other purpose - conventional procedures shall be used. However, for flammable refrigerants it is important that best practice be followed, since flammability is a consideration. The following procedure shall be adhered to:

- safely remove refrigerant following local and national regulations;
- evacuate;
- purge the circuit with inert gas (optional for A2L);
- evacuate (optional for A2L);
- continuously flush or purge with inert gas when using flame to open circuit; and
- open the circuit.

The refrigerant charge shall be recovered into the correct recovery cylinders if venting is not allowed by local and national codes. For appliances containing flammable refrigerants, the system shall be purged with oxygen-free n flammable refrigerants. This process might Compressed air or oxygen shall not be used for purging refrigerant systems.

For appliances containing flammable refrigerants, refrigerants purging shall be achieved by breaking the vacuum in the system with oxygen-free nitrogen and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum (optional for A2L). This process shall be repeated until no refrigerant is within the system (optional for A2L). When the final oxygen-free nitrogen charge is used. the system shall be vented down to atmospheric pressure to enable work to take place.

The outlet for the vacuum pump shall not be close to any potential ignition sources, and ventilation shall be available.

The refrigerant charge shall be recovered into the correct recovery cylinders if venting is not allowed by local and national codes. For appliances containing flammable refrigerants, the system shall be purged with oxygen-free nitrogen to render the appliance safe for flammable refrigerants. This process might need to be repeated several times. Compressed air or oxygen shall not be used for purging refrigerant systems. For appliances containing flammable refrigerants, refrigerants purging shall be achieved by breaking the vacuum in the system with oxygen-free nitrogen and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum (optional for A2L). This process shall be repeated until no refrigerant is within the system (optional for A2L). When the final oxygen-free nitrogen charge is used, the system shall be vented down to atmospheric pressure to enable work to take place. Ensure that the outlet for the vacuum pump is not close to any potential ignition sources and that ventilation is available.

12.Charging procedures

In addition to conventional charging procedures, the following requirements shall be followed. Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimise the amount of refrigerant contained in them. Cylinders shall be kept in an appropriate position according to the instructions. Ensure that the refrigeration system is earthed prior to charging the system with refrigerant. Label the system when charging is complete (if not already). Extreme care shall be taken not to overfill the refrigeration system. Prior to recharging the system it shall be pressure tested with OFN. The system shall be leak tested on completion of charging but prior to commissioning. A follow up leak test shall be carried out prior to leaving the site.

13.Decommissioning

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely. Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of reclaimed refrigerant. It is essential that electrical power is available before the task is commenced.

- a) Become familiar with the equipment and its operation.
- b) Isolate system electrically.
- c) Before attempting the procedure ensure that: Mechanical handling equipment is available, if required, for handling refrigerant cylinders;
All personal protective equipment is available and being used correctly; The recovery process is supervised at all times by a competent person; Recovery equipment and cylinders conform to the appropriate standards.
- d) Pump down refrigerant system, if possible.
- e) If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.
- f) Make sure that cylinder is situated on the scales before recovery takes place.

- g) Start the recovery machine and operate in accordance with instructions.
- h) Do not overfill cylinders. (No more than 80 % volume liquid charge).
- i) Do not exceed the maximum working pressure of the cylinder, even temporarily.
- j) When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.
- k) Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.

14. Labelling

Equipment shall be labeled stating that it has been de-commissioned and emptied of refrigerant. The label shall be dated and signed.

Ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.

15. Recovery

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely.

When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed. Ensure that the correct number of cylinders for holding the total system charge is available. All cylinders to be used are designated for the recovered refrigerant and labeled for that refrigerant (i.e. special cylinders for the recovery of refrigerant). Cylinders shall be complete with pressure-relief valve and associated shut-off valves in good working order. Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.

The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of the flammable refrigerant. If in doubt, the manufacturer should be consulted. In addition, a set of calibrated weighing scales shall be available and in good working order. Hoses shall be complete with leak-free disconnect couplings and in good condition.

The recovered refrigerant shall be processed according to local legislation in the correct recovery cylinder, and the relevant waste transfer note arranged. Do not mix refrigerants in recovery units and especially not in cylinders.

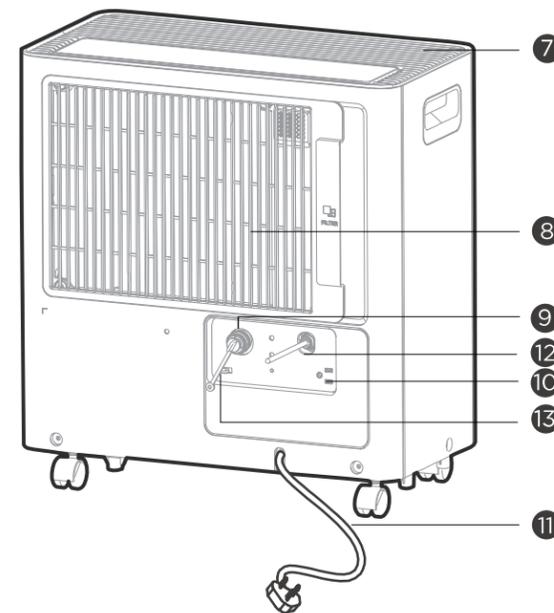
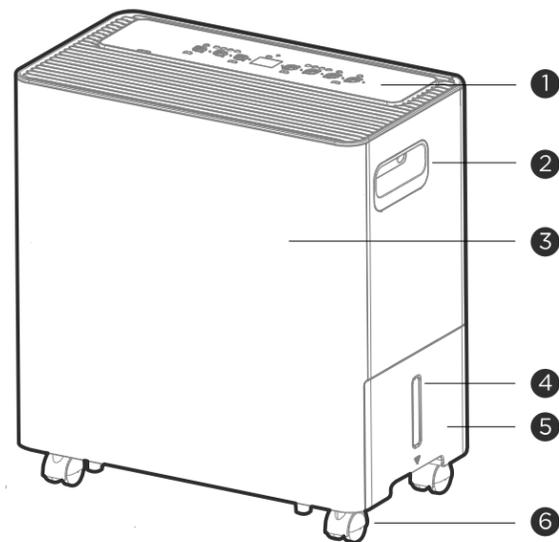
If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant. The compressor body shall not be heated by an open flame or other ignition sources to accelerate this process. When oil is drained from a system, it shall be carried out safely.

Non-duct connected appliances containing A2L refrigerants with the supply and return air openings in the conditioned space may have the body of the appliance installed in open areas such as false ceilings not being used as return air plenums, as long as the conditioned air does not directly communicate with the air of the false ceiling.

Get to know your product

Name of each component of the product

Identification of parts



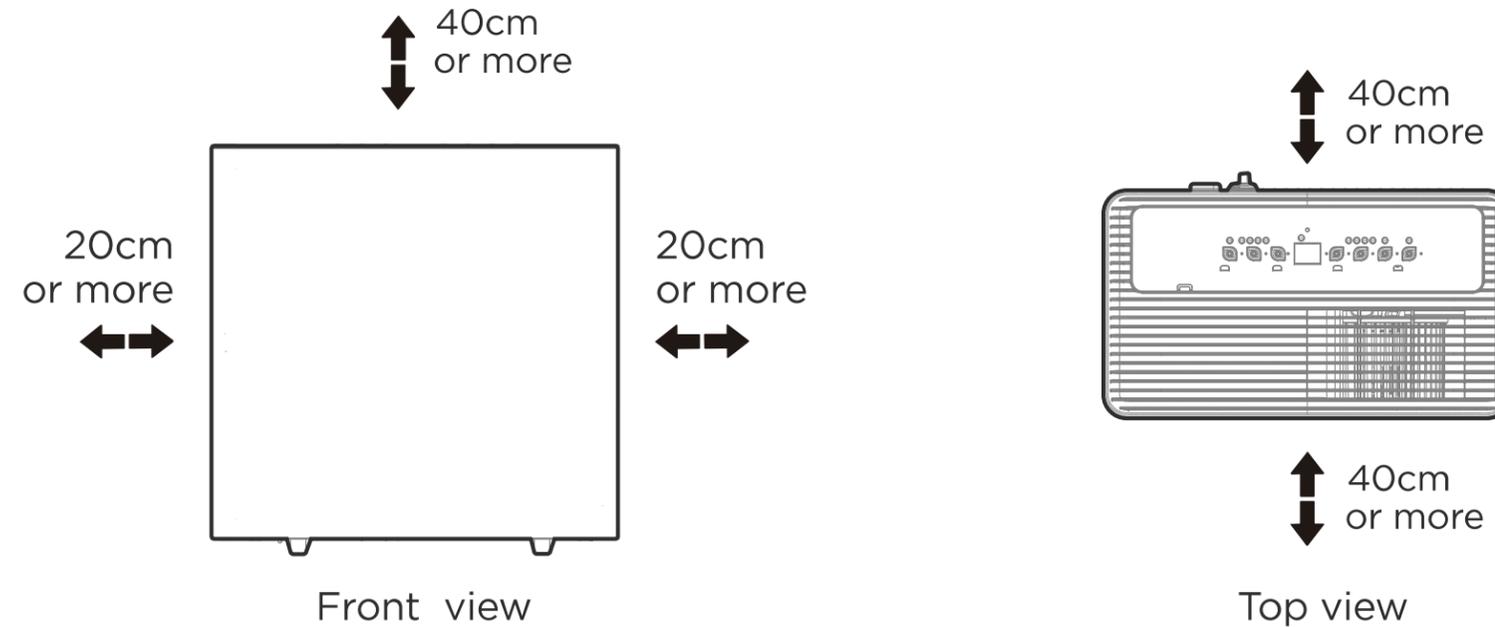
- ① Control panel
- ② Handle(both sides)
- ③ Front panel
- ④ Water level window
- ⑤ Water bucket
- ⑥ Caster (Optional)
- ⑦ Air outlet grille
- ⑧ Air filter (Air inlet grille)
- ⑨ Continuous drain hose outlet
- ⑩ Power plug storage
- ⑪ Power cord and plug
- ⑫ Pump drainage
- ⑬ Water plug

NOTE

All the illustrations in the manual are for explanation purpose only. Your machine may be slightly different. The actual shape shall prevail. The unit can be controlled by the unit control panel.

Positioning the unit

Safe distance requirements



Casters - install all four on the bottom of the unit.

- The unit is with universal wheels that can move in all directions flexibly.
- Do not force casters to move over carpet. Do not move the unit with water in the bucket. The unit may tip over and spill water.

A dehumidifier operating in a basement will have little or no effect in drying an adjacent enclosed storage area, such as a closet, unless there is adequate circulation of air in and out of the area.

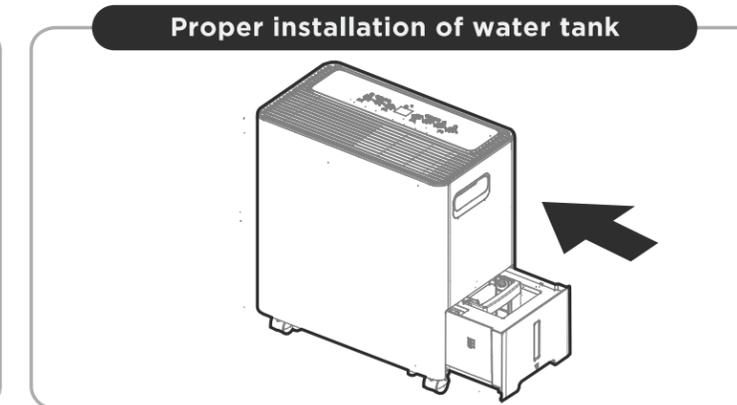
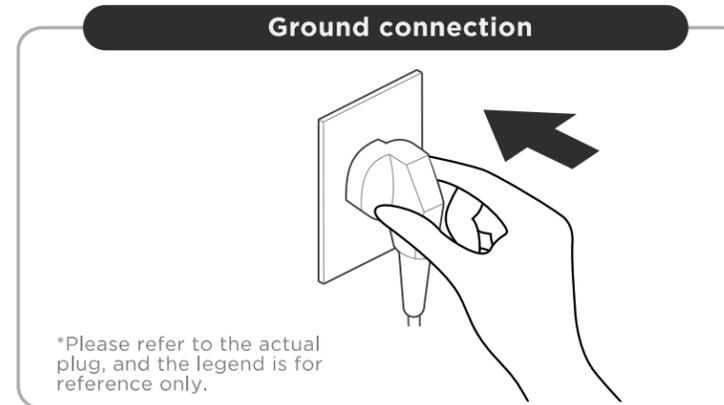
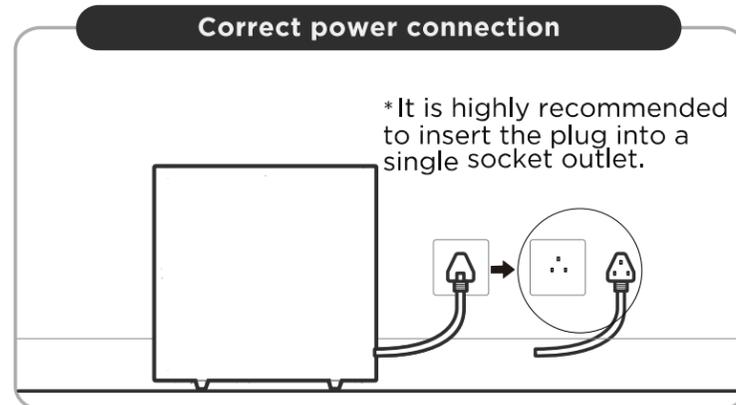
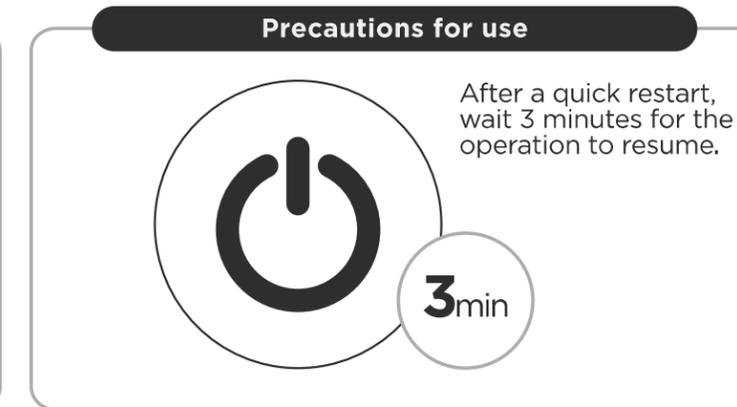
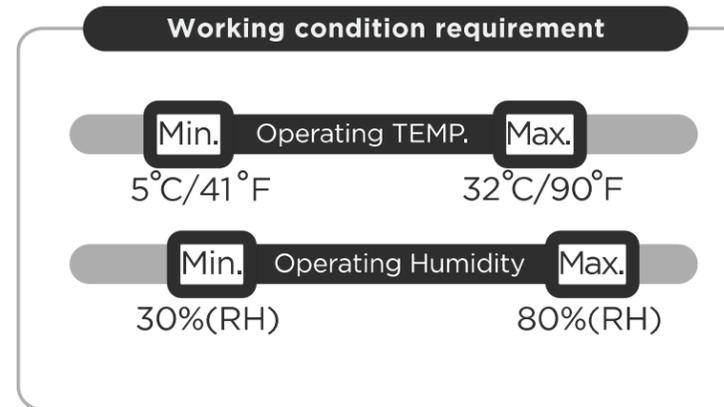
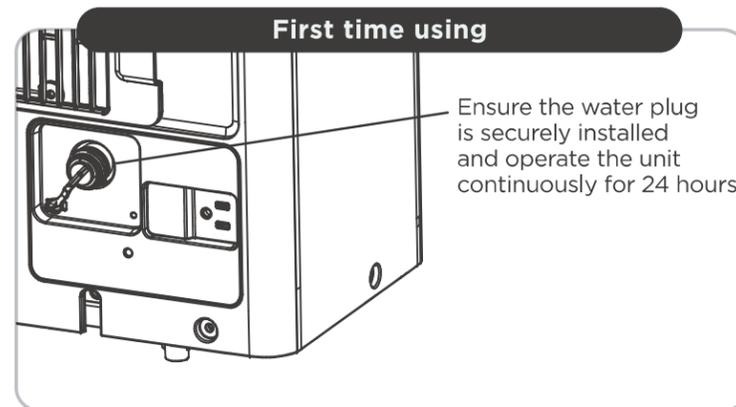
- Do not use outdoors.
- This dehumidifier is intended for indoor residential applications only.
- This dehumidifier should not be used for commercial or industrial applications.
- Place the dehumidifier on a smooth, level floor strong enough to support the unit with a full bucket of water.
- Allow at least 20cm of air space on all sides of the unit for good air circulation (at least 40cm of air space on air outlet).
- Place the unit in an area where the temperature will not fall below 5° C(41° F). The coils can become covered with frost at temperatures below 5° C(41° F), which may reduce performance.
- Place the unit away from the clothes dryer, heater or radiator.
- Use the unit to prevent moisture damage anywhere books or valuables are stored.
- Use the dehumidifier in a basement to help prevent moisture damage.
- The dehumidifier must be operated in an enclosed area to be most effective.
- Close all doors, windows and other outside openings to the room.
- Before tilting or moving the unit in any way, disconnect the power cord, take out the bucket, and open the continuous drain outlet to empty the water.

When using your product

Preparations for product use.

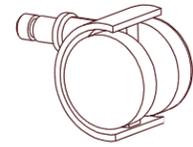
NOTE

When there is water in the bucket and you want to move the unit, pls move the unit steadily in case that water spills or the unit tips over.

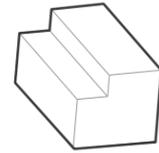


- When first using the dehumidifier, operate the unit continuously for 24 hours. Ensure that the plastic cover of the bucket (Page 15) is securely installed in continuous dehumidification mode and does not leak.
- This unit is designed to operate with a working environment between 5°C/41°F and 32°C/90°F, and between 30%(RH) and 80%(RH).
- When use in open space with open windows, condensation may form on the surface of the product, which is normal.
- If the unit has been switched off and needs to be switched on again quickly, allow approximately three minutes for the correct operation to resume.
- Do not connect the dehumidifier to a multiple socket outlet, which is also being used for other electrical appliances.
- Select a suitable location, making sure you have easy access to an electrical outlet.
- Plug the unit into an electrical socket-outlet with ground connection.
- Make sure the Water bucket is correctly fitted otherwise the unit will not operate properly.

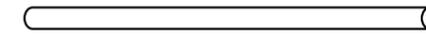
Accessories



Caster (4 pc)

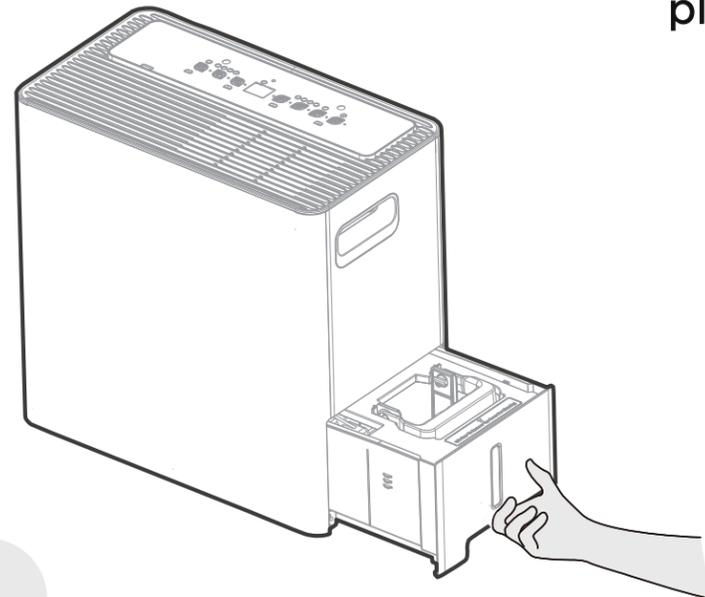


Cushion pad (1 pc)



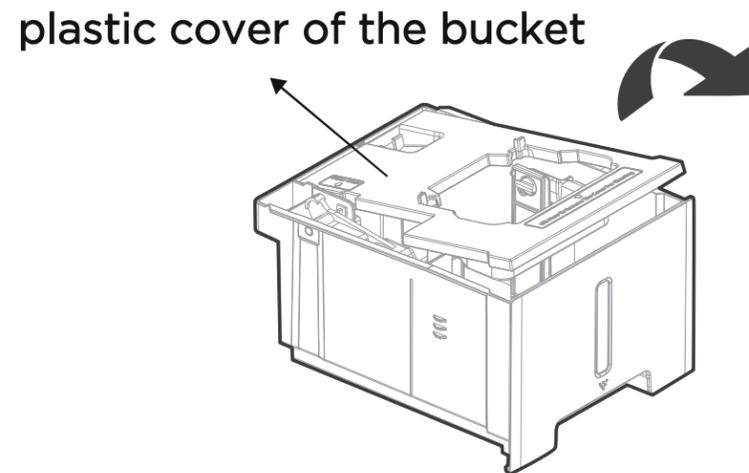
Pump drain hose (1 pc)

Caster installation



1

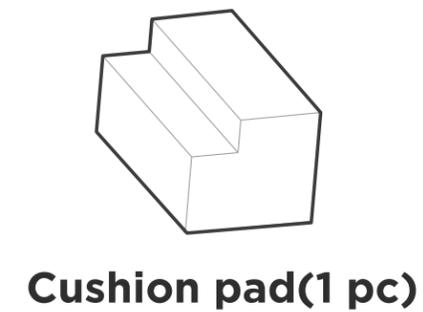
Pull out the water bucket



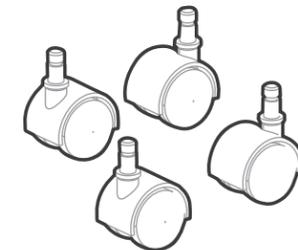
plastic cover of the bucket

2

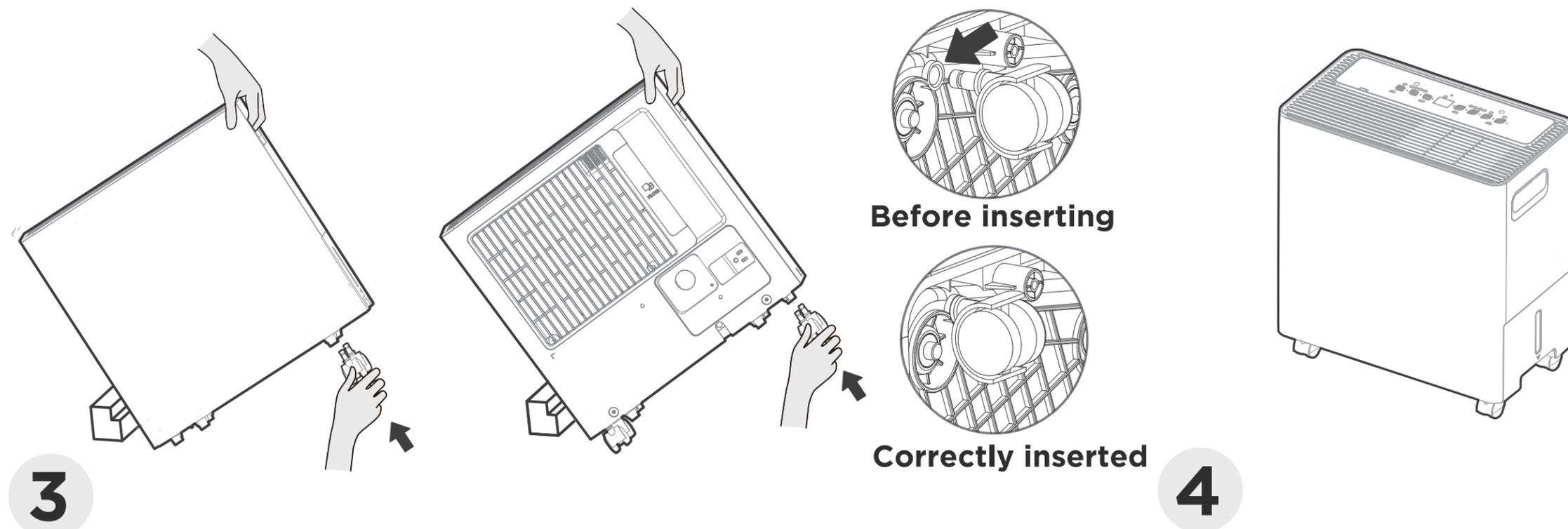
Take out a cushion pad and four casters from the bucket, then reinstall the water bucket



Cushion pad(1 pc)



Caster (4 pc)



3
Tilt the unit on its side and hold it with one hand, then insert two casters

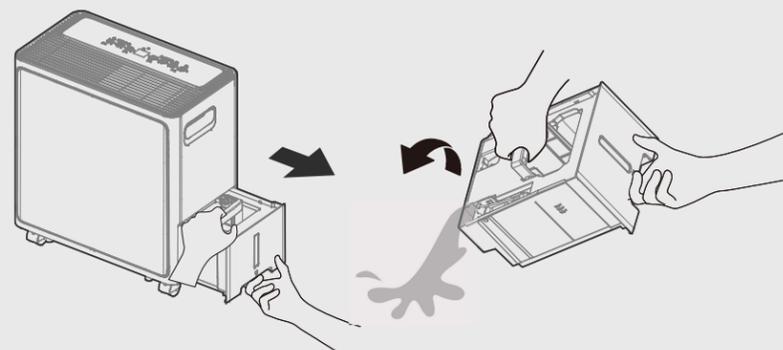
Rotate the unit and hold it with one hand, then insert the other two casters

4
Leave the unit standing up for half an hour before use

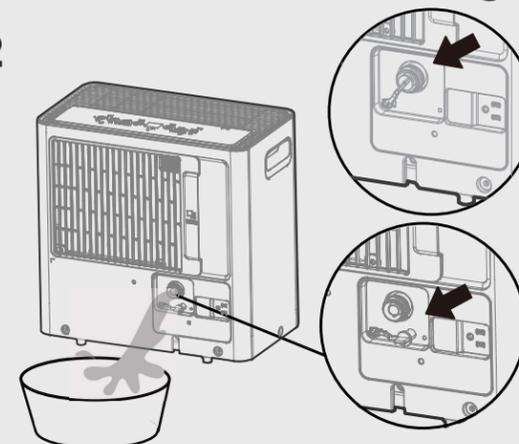
⚠ WARNING: If you decide to install the castors AFTER the dehumidifier has already been in use

- Take out the bucket and remove water plug, drain the water as shown in step 1 and step 2, then reinstall the bucket and water plug before installing casters.
- The tilt angle is not to exceed 30 degrees when installing casters, and all casters **MUST BE** installed within 5 minutes.
- After the castor installation is complete, set the unit upright and rest for 30 minutes before starting the unit.

Step 1



Step 2

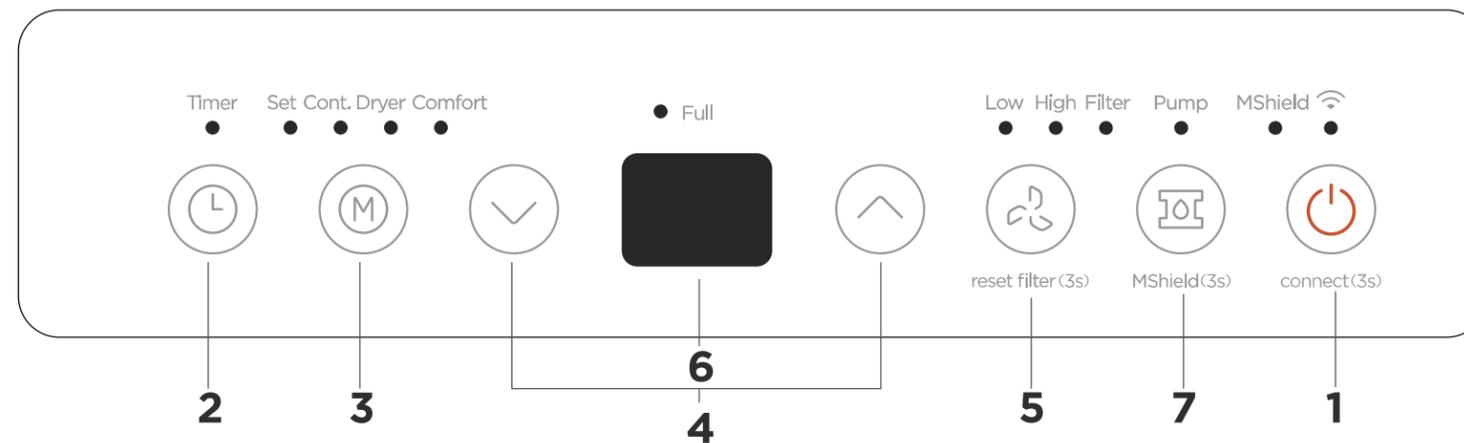


Get to know your features

Control Panel Features

NOTE

The following control panels are for explanation purpose only. The control panel of the unit you purchased may be slightly different according to the models. Your machine may not contain some indicators or buttons. The actual shape will remain the same.



1. POWER ON/OFF button

Press to turn the dehumidifier on and off.

Wireless button

1. Press and hold the POWER button for 3 seconds to initiate the Wireless connection mode. The LED DISPLAY shows 'AP' to indicate you can set up the wireless connection.

2. If connection is successful within 8 minutes, the unit will exit Wireless connection mode automatically and the Wireless indicator illuminates and the unit enters the previous function. If connection fails within 8 minutes, the unit exits the Wireless connection mode automatically.

NOTE: When the unit is connecting to the Internet, the  light will flicker in white. When the unit has connected to the Internet, the white  light will stop flickering.

2. TIMER Function

Press the timer button to initiate the Auto start and Auto stop function, in conjunction with the UP and DOWN buttons.

Auto start setting

1. When the unit is off, press the timer button to activate the Auto start time.

2. Press or hold the UP or DOWN button to change the Auto start time by 0.5 hour increments, up to 10 hours, then at 1 hour increments, up to 24 hours.

3. The selected time will register in 5 seconds and the system will automatically revert back to display the ambient humidity. The control will count down the time remaining until start.

Auto stop setting

1. In the startup state, press the timer button to activate the Auto stop time.
2. Press or hold the UP or DOWN button to change the Auto stop time by 0.5 hour increments, up to 10 hours, then at 1 hour increments, up to 24 hours.
3. The selected time will register in 5 seconds and the system will automatically revert back to display the ambient humidity. The control will count down the time remaining until stop.

NOTE: The timing can be adjusted to increase or decrease by 24 hours. After the TIMER setting is complete, you can press the button again to check the TIMER setting status. After the TIMER setting is complete, you can cancel it by setting the set time to 0.0.

3. MODE Function

Press the button to select the mode you want, as shown :
Set → Cont. → Dryer → Comfort

NOTE: The humidity setting cannot be set manually in Dryer, Cont. and Comfort mode; The set humidity will be displayed when selected mode is set, and the ambient humidity will be displayed 5 seconds later.

Set Dehumidifying mode(Set)

Press the button to select the Dehumidifying mode, and adjust the desired humidity by pressing the UP and DOWN buttons.

NOTE: Humidity can be set from 35% to 85%, with 5% adjustment per press.

Continuous dehumidifying mode(Cont.)

Press the button to select the Continuous dehumidifying mode.

Comfort Dehumidifying Mode(Comfort)

Press the button to select the comfort dehumidifying mode.

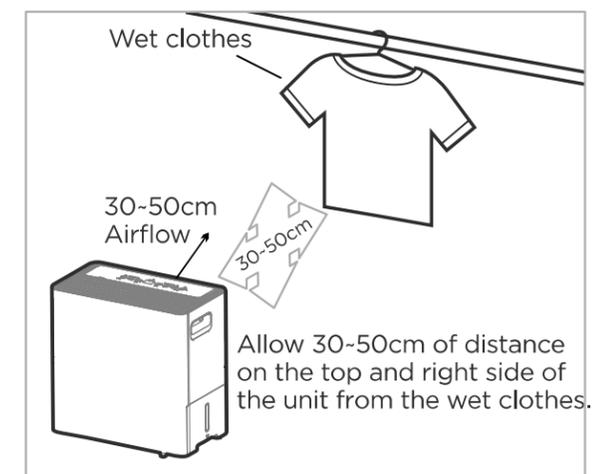
NOTE: The unit will automatically control room humidity in a comfortable range 45%~55% according to the room temperature.

Dryer mode (Dryer)

Press the button to select the Dryer mode, and the unit will operate in Continuous dehumidifying and High fan speed mode, in this mode.

NOTE: For some models, The unit will quit Dryer mode after a maximum 10 hours operation.

1. Close doors and Windows while operating in this mode.
2. For best results, please ring out excess moisture from the clothes before using the dryer mode.
3. Make sure to direct airflow at the wet clothes.
4. Clothes that are thick and heavy may not dry as effectively.



4. UP and DOWN buttons

Humidity Set Control buttons

The humidity level can be set within a range of 35% RH(Relative Humidity) to 85%RH(Relative Humidity) in 5% increments.

TIMER Set Control buttons

Press the UP and DOWN buttons to set the Auto start and Auto stop time from 00:00 to 24:00.

5. FAN speed Function

Press the button to select fan speed in the following setting:

Low → High → Low...

NOTE: The fan speed indicator light illuminates under different fan speed settings.

6. Display

The electronic display will show the ambient humidity and set humidity. When the timer function is used, the display will show the set time. If there is an error, the display will show the error code.

Error Codes:

ES/EH61 - Evaporator coil temperature sensor error. Unplug the unit and plug it back in. If the error repeats, call for service.

AS/EH60 - Room temperature sensor error. Unplug the unit and plug it back in. If the error repeats, call for service.

P2 - Bucket is full of water or bucket is not in right position. Empty the bucket and replace it in the right position.

Eb - For the water pump models, the unit will display "Eb" if the bucket is not in the right position.

EH00 - Indoor EEPROM error. Unplug the unit and plug it back in. If error repeats, call for service.

7.PUMP Function

Press the  button to activate the built-in pump function. When using this function, the unit will automatically pump water out until the water tank is empty. The pump will stop automatically once the water tank is empty.

NOTE

- Pump drain hose must be well connected for this mode.
- If the pump indicator light and bucket full indicator light flash simultaneously after pressing the Pump button, the drain hose may not be installed correctly. See page 23 for instructions on how to properly install the drain hose.
- Make sure the drain hose is pointed in the direction where you would like to drain the water to.

8.MShield Air Ionizer Function

MShield function and pump function share the same button. Press and hold on the  button for 3 seconds to turn the MShield Function on or off. MShield is the air ionizer technology on this unit. Activating the MShield function energizes the ionizer.

More Features

Auto Shut Off

The dehumidifier shuts off when the bucket is full, or when the bucket is removed or not replaced in the proper position. For some models, the fan motor will continue to run for 30 seconds.

When the Full indicator light illuminates, please empty the bucket and reinstall it correctly.

Then, wait 3 minutes before resuming operation, it can not restart operation in the first 3 minutes. This is to protect the unit.

Operation will automatically start after 3 minutes.

Check Filter Feature

The unit will automatically track how long it has been in use. Once the accumulated operation time reaches 250 hours, the check filter light will turn on, letting you know it is the optimal time to clean the filter. After cleaning and reinserting the filter, press and hold the FAN (reset filter) button for 3 seconds to turn the light off. This will repeat after every 250 hours of use. See page 29 for cleaning the filter.

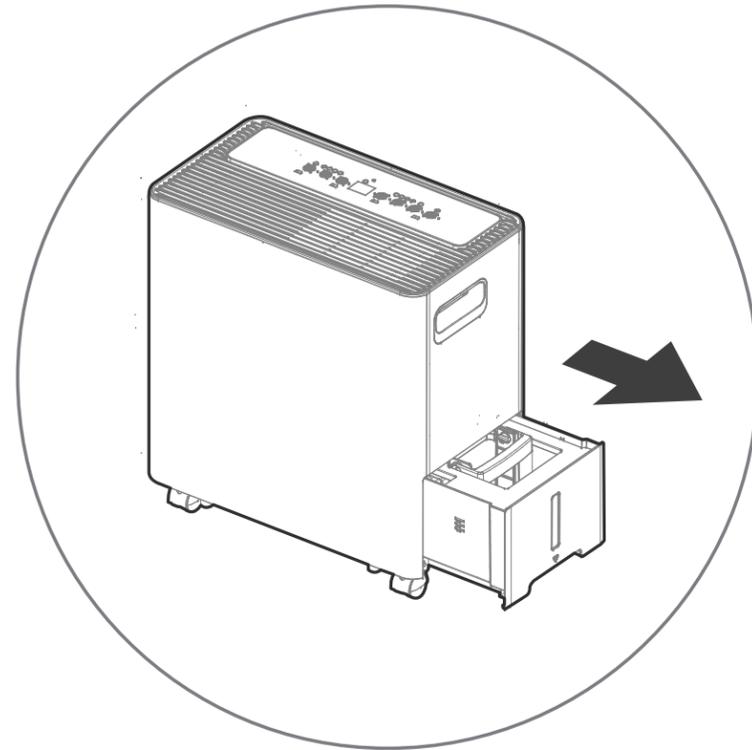
Auto-Restart

If the unit turns off unexpectedly due to loss of power, it will restart with the previous function setting automatically when the power resumes.

Removing collected water

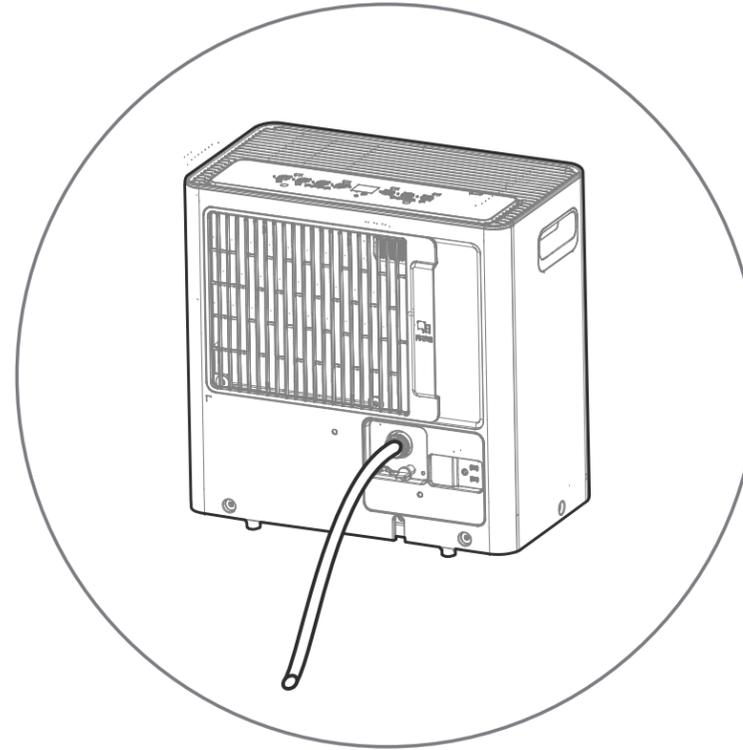
When your bucket is full.

There are different ways to remove collected water.



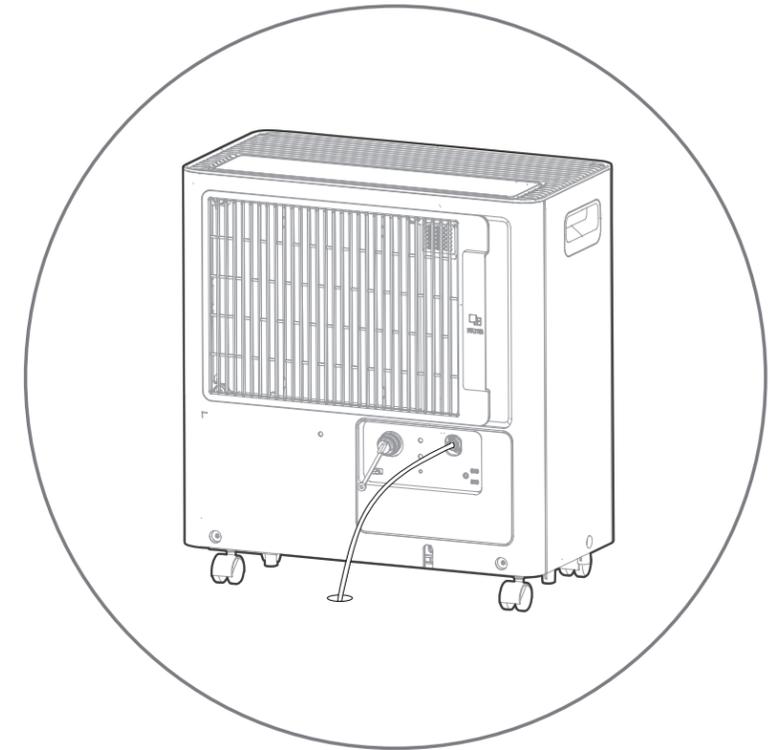
Type 1:

Bucket drainage



Type 2:

**Water hose drainage
(continuous)**



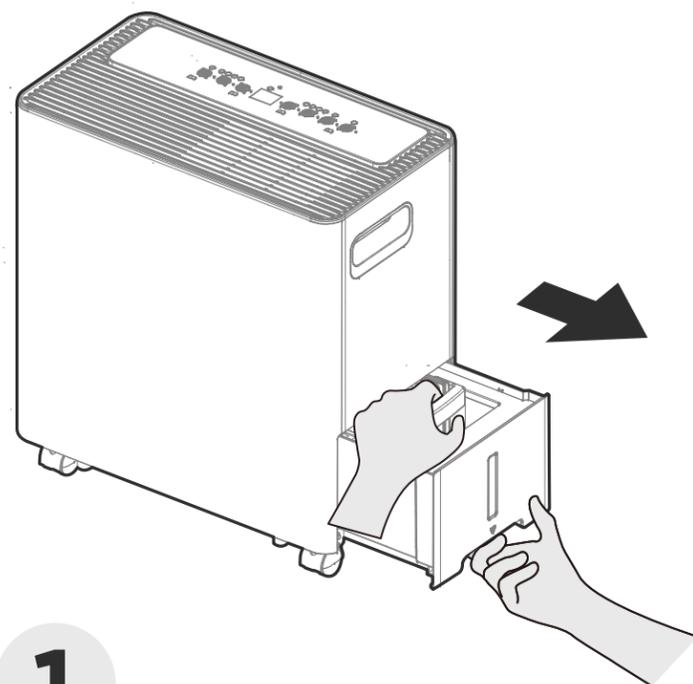
Type 3:

Pump drainage

Bucket drainage

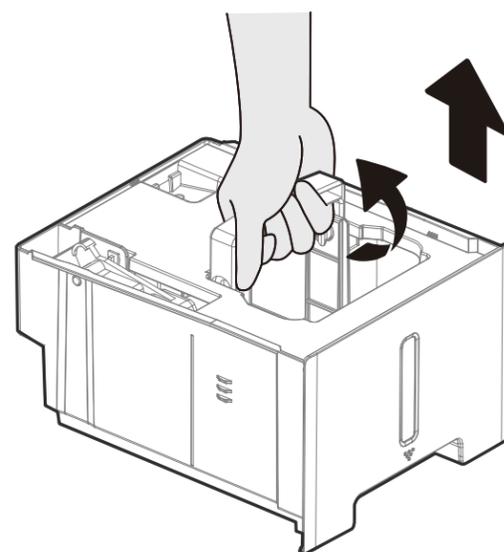
Type 1

- When the unit is off, if the bucket is full, the Full indicator light will turn on.
- When the unit is on, if the bucket is full, the compressor and the fan turn off, and the Full indicator light will turn on. The digital display shows P2.
- Pull the bucket out halfway, then pull up the handle and lift the bucket slowly and vertically to prevent spillage.
- Dump the water and replace the bucket. The bucket must be correctly installed for the dehumidifier to operate.
- The appliance will restart when the bucket is restored in its correct position.



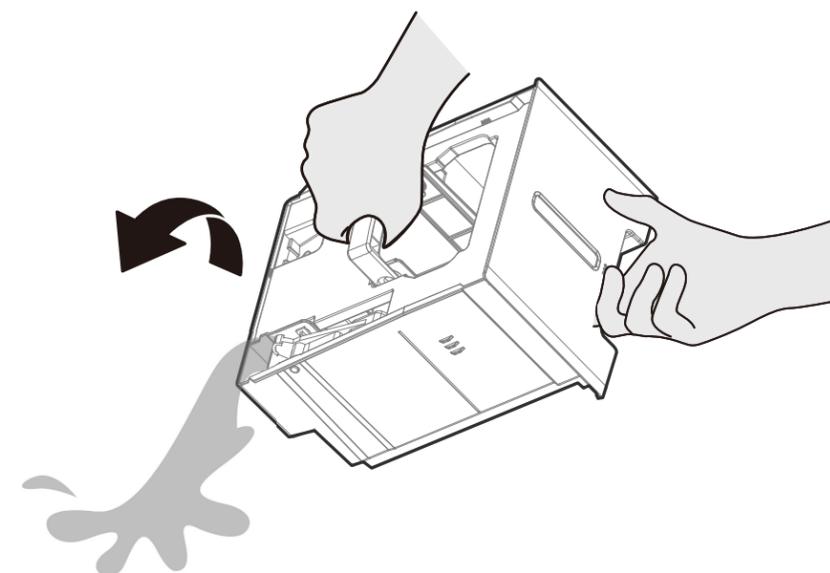
1

Pull the bucket out halfway.



2

Pull up the handle and lift the bucket slowly and vertically.



3

Pour the water out.



WARNING:

Do not pull out the whole bucket without grabbing the handle or it may cause damage to the bucket or personal injury.

NOTE

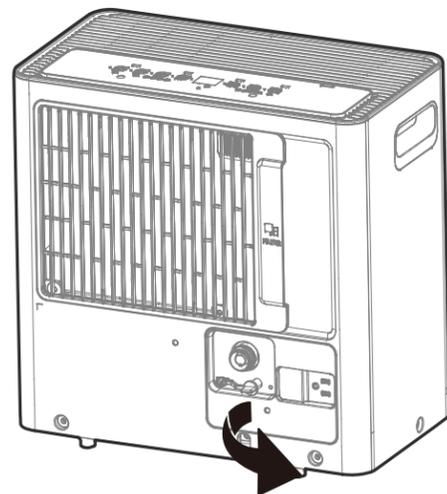
- When you remove the bucket, do not touch any parts inside of the unit. Doing so may damage the product. Be sure to push the bucket gently all the way into the unit. Banging the bucket against anything or failing to push it in securely may cause the unit not to operate.
- If the pump hose becomes disconnected when you remove the bucket, you must reinstall the pump hose properly to the unit before replacing the bucket.
- When you remove the bucket, if there is some water in the unit you must dry it with a cloth or towel.
- When the unit is on, if the bucket is removed, the compressor and the fan will turn off. The unit will beep 8 times and the digital display shows Eb.
- When the unit is off, if the bucket is removed, the unit will beep 8 times and the digital display shows Eb.

Water hose drainage (continuous)

Type 2

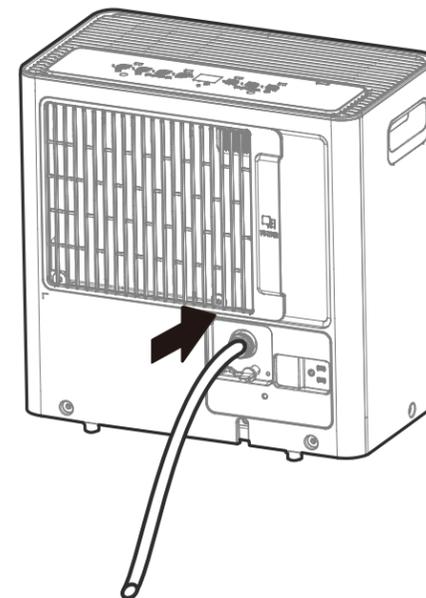
Water can be automatically emptied into a floor drain by attaching the unit with a water hose ($\text{ID} \geq \Phi 5/16''$, not included) with a female threaded end (ID: M=1", not included).

Before the water tank begins filling, remove the water plug from the drain outlet and set aside. Then, insert the drain hose through the water drain outlet. Lead the drain hose to the floor drain or a suitable drainage facility.



1

Remove the water plug.



2

Connect the drain hose.

- When you remove the water plug, if there is any water in the back drain outlet of the unit you must dry it. Make sure the hose is secure so there are no leaks.
- Direct the hose toward the drain, making sure that there are no kinks that will stop the water flowing. Make sure the water hose is lower than the drain hose outlet of the unit.
- Select the desired humidity setting and fan speed on the unit for continuous draining to start.

NOTE: When the continuous draining feature is not being used, remove the drain hose from the outlet, and dry the water in the continuous drain hose outlet. After drying, make sure to reinstall the water plug.

Pump drainage

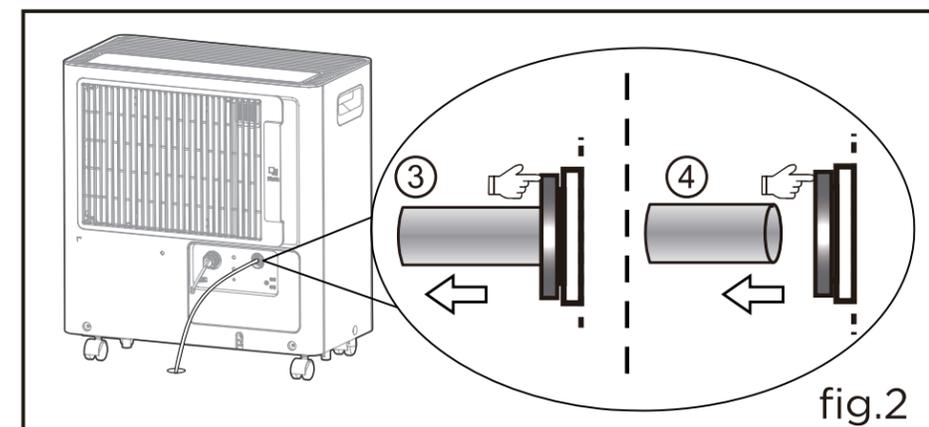
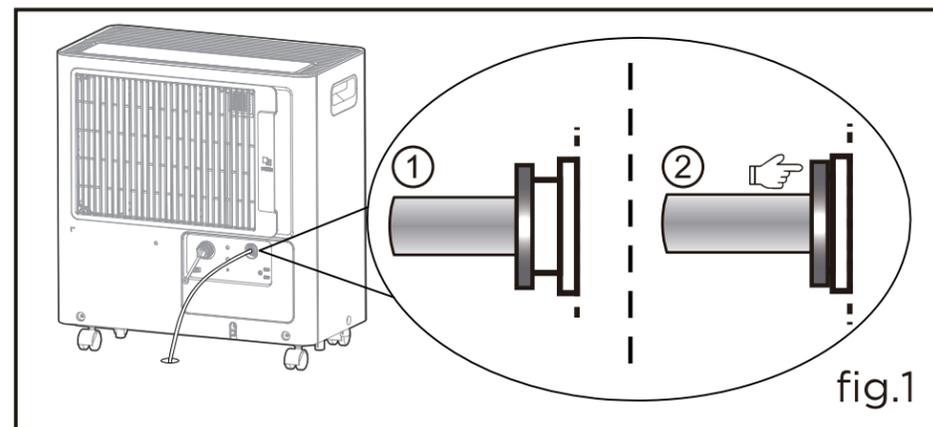
Type 3

To connect pump drain hose:

- Press the tightening ring of the drainage joint (as shown in fig.1);
- Keep pressing the grey ring while pulling out the plug.(as shown in fig.2);
- Insert the drain hose onto the drainage joint. Make sure it is connected well so that it is fully sealed.
- Place the other end of the drain hose in the location you want the water to go to, such as a floor drain, a water container, or through a basement window to the outdoors.

To remove pump drain hose:

- Press the tightening ring of the drainage joint.
- Pull out the drain hose.
- Place the plug back into the joint.



NOTE

- The maximum distance and the rise of the hose is 5m from the unit. Exceeding this distance may damage the unit or cause leaks.
- If removing the hose to use in Bucket mode, please reinsert the drain plug to prevent accidental water leakage. (You still need to press the tightening ring when removing the hose.)

APP INSTRUCTIONS

Specification of Wireless Module

Model: US-SK105	Dimensions: 1.6 x 0.9 x 0.2 (in.)
Antenna Type: Printed PCB Antenna	Operation Temperature: 0°C - 45°C / 32°F - 113°F
Frequency: WLAN 2400-2483.5 MHz	Operation Humidity: 10% - 85%
Maximum Transmitted Power: <20 dBm Max	Power Input: DC 5V/500 mA

Precautions

App Compatibility:

- The app is available for both iOS and Android, however older versions may no longer be compatible. Please keep the app updated with the latest version. Midea makes no guarantee of compatibility and is not responsible for issues arising as a consequence thereof.

Wireless Security:

- The Smart Kit supports the following security protocols: WPA-PSK / WPA2-PSK / WPA3-SAE
- It may be used with or without encryption although encryption is strongly recommended

Connectivity:

- Network issues may occasionally cause timeouts. The unit display and the app may become unsynchronized but this will resolve itself when the network is restored.
- Should the network remain unavailable, it might be necessary to run the configuration process again.
- Change in the wireless network will require reconfiguration of the device.

Configuration:

- The actual network configuration process may vary slightly from the manual.
- Please check the service website for more information.

Using the SmartHome App

⚠️ Ensure that your mobile phone is connected to the wireless network. Bluetooth must be turned on. The device must also be powered up.

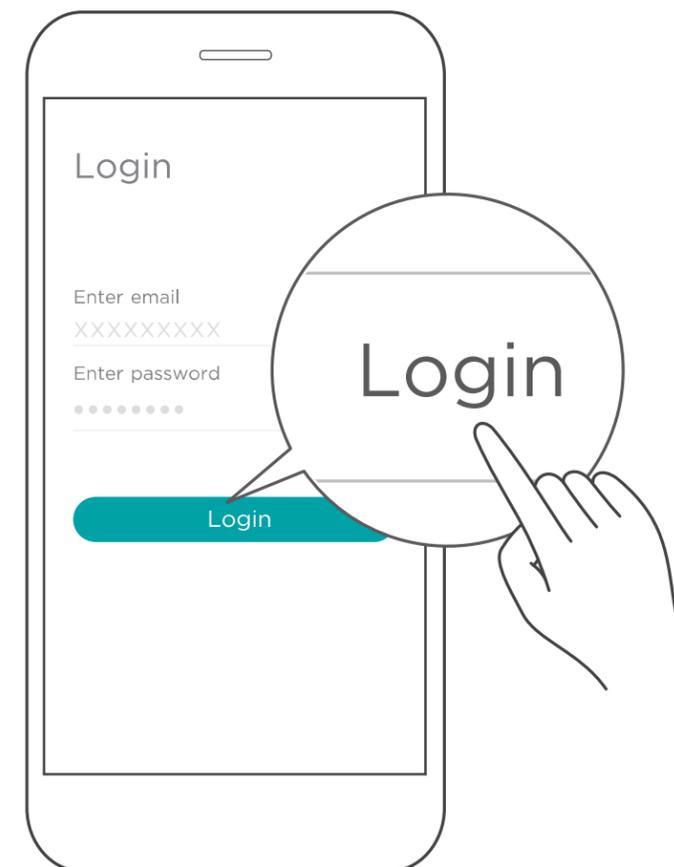
Step 1: Download the SmartHome app

Scan the QR code below to download the SmartHome app from app store or search for it directly on the Google Play Store or Apple's App Store.



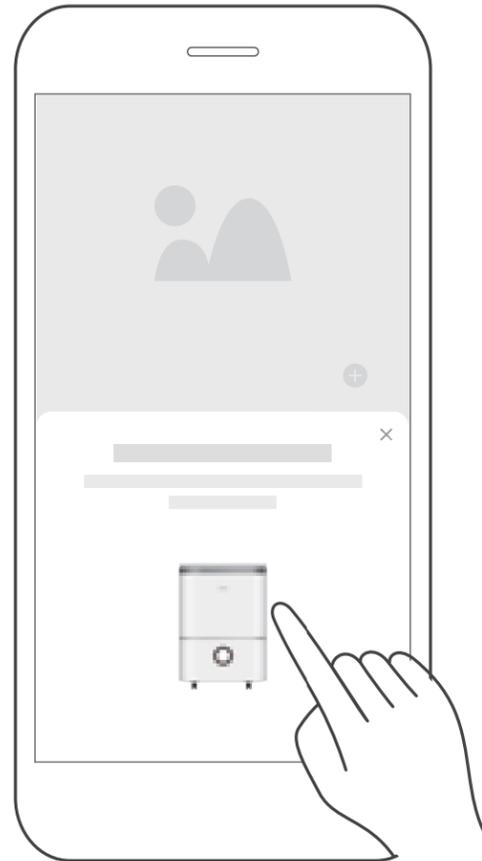
Step 2: Log in

Open the SmartHome app. Log in directly if you have an existing SmartHome account or create a new account. Alternatively, you can also use a 3rd party login platform.



Step 3: Connecting the device

1) When you log in, you may see the message "Smart devices discovered nearby". Tap to add your device.



2) If no such message appears, proceed as follows: Tap on "+" and select your device in the list of nearby available devices.

If your device is not listed, please add your device manually, first selecting the device category e.g. Dehumidifier.



3) Follow the steps in the app to connect your device to the wireless network. If your device fails to connect, follow the additional instructions in the app.



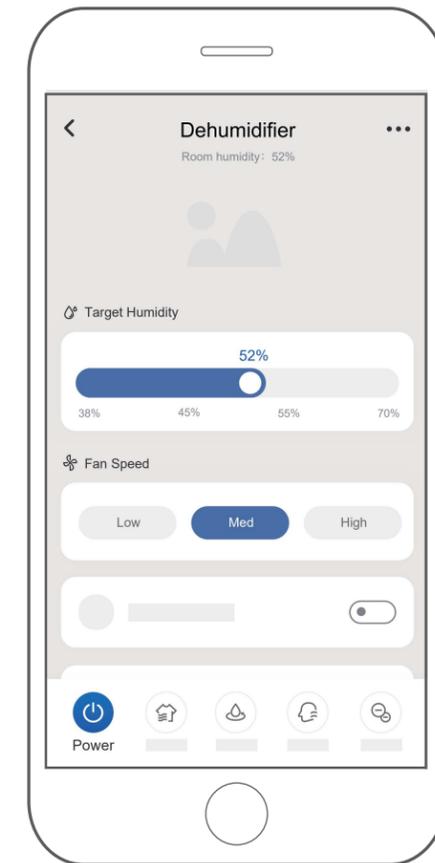
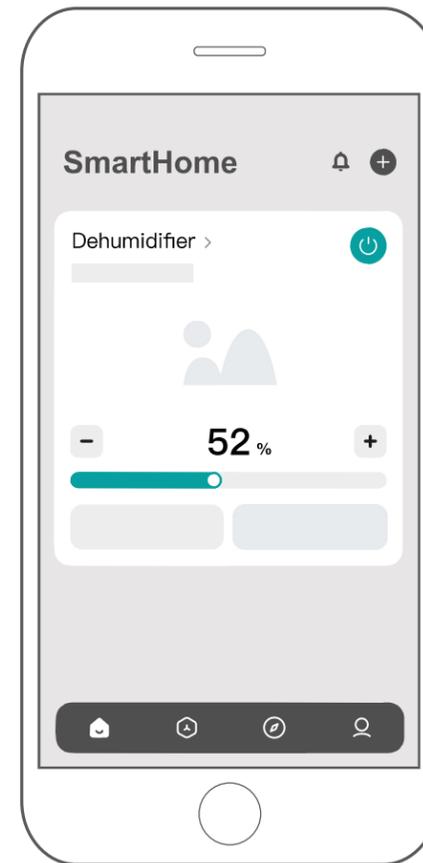
Step 4: Controlling the device

After pairing successfully, a card will be created for the device in the SmartHome app.

Shortcuts for basic functions will appear on the card such as changing the humidity or switching the device on or off.

Tapping on the card, will reveal additional features and settings.

The actual design may look different from examples due to app updates.



Compliance

We, hereby declare that this dehumidifier is in compliance with the relevant provisions of RE Directive 2014/53/EU. A copy of the full DoC is attached (European Union products only).

Wireless module models:

US-SK105:

FCC ID: 2ADQOMDNA21

IC: 12575A-MDNA21

This device complies with Part 15 of the FCC Rules and it 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 harmful interference;
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Only operate the device in accordance with the instructions supplied.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

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.
- 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.

Care and Maintenance

How to clean & care for your product.

Turn the dehumidifier off and remove the plug from the wall outlet before cleaning.

Clean the Grille and Case

- Use water and a mild detergent. Do not use bleach or abrasives.
- Do not splash water directly onto the main unit. Doing so may cause an electrical shock, cause the insulation to deteriorate, or cause the unit to rust.
- The air intake and outlet grilles get soiled easily, so use a vacuum attachment or brush to clean.

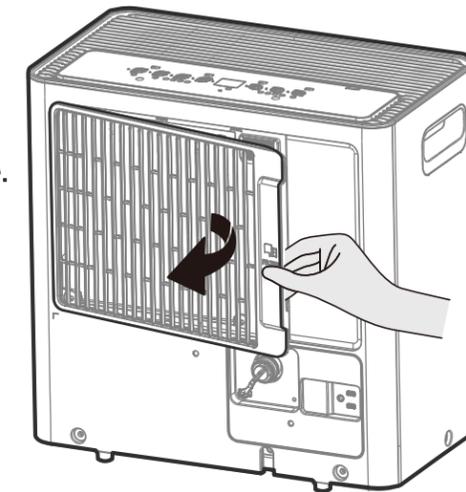
Clean the Bucket

- Every few weeks, clean the bucket to prevent growth of mold, mildew and bacteria.
Partially fill the bucket with clean water and add a little mild detergent. Swish it around in the bucket, empty and rinse.

Note: Do not use a dishwasher to clean the bucket. After cleaning, the bucket must be in place and securely seated for the dehumidifier to operate.

Clean the Air Filter

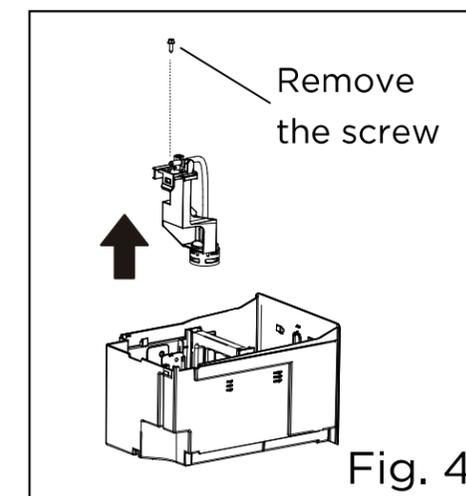
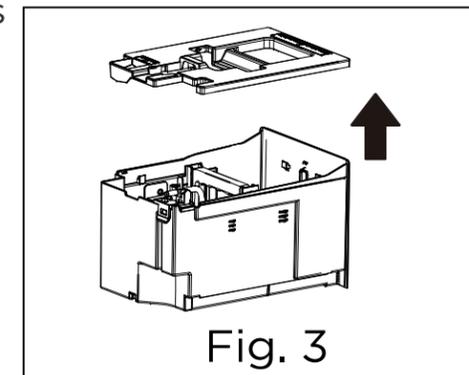
- Remove the filter every two weeks based on normal operating conditions.
- To remove the filter, pull filter outwards.
- Wash the filter with clean water then dry.
- Re-install the filter.



Clean the Pump Filter

Clean the pump filter every two weeks based on normal operating conditions.

- Take out the water bucket from the unit and remove the bucket top cover. (as shown in fig.3)
- Remove the screw as shown in fig.4 .
- Take out the pump drainage structure and clean the filter at the bottom of the hose.
- Reinstall the filter and pump drainage structure to the water bucket.

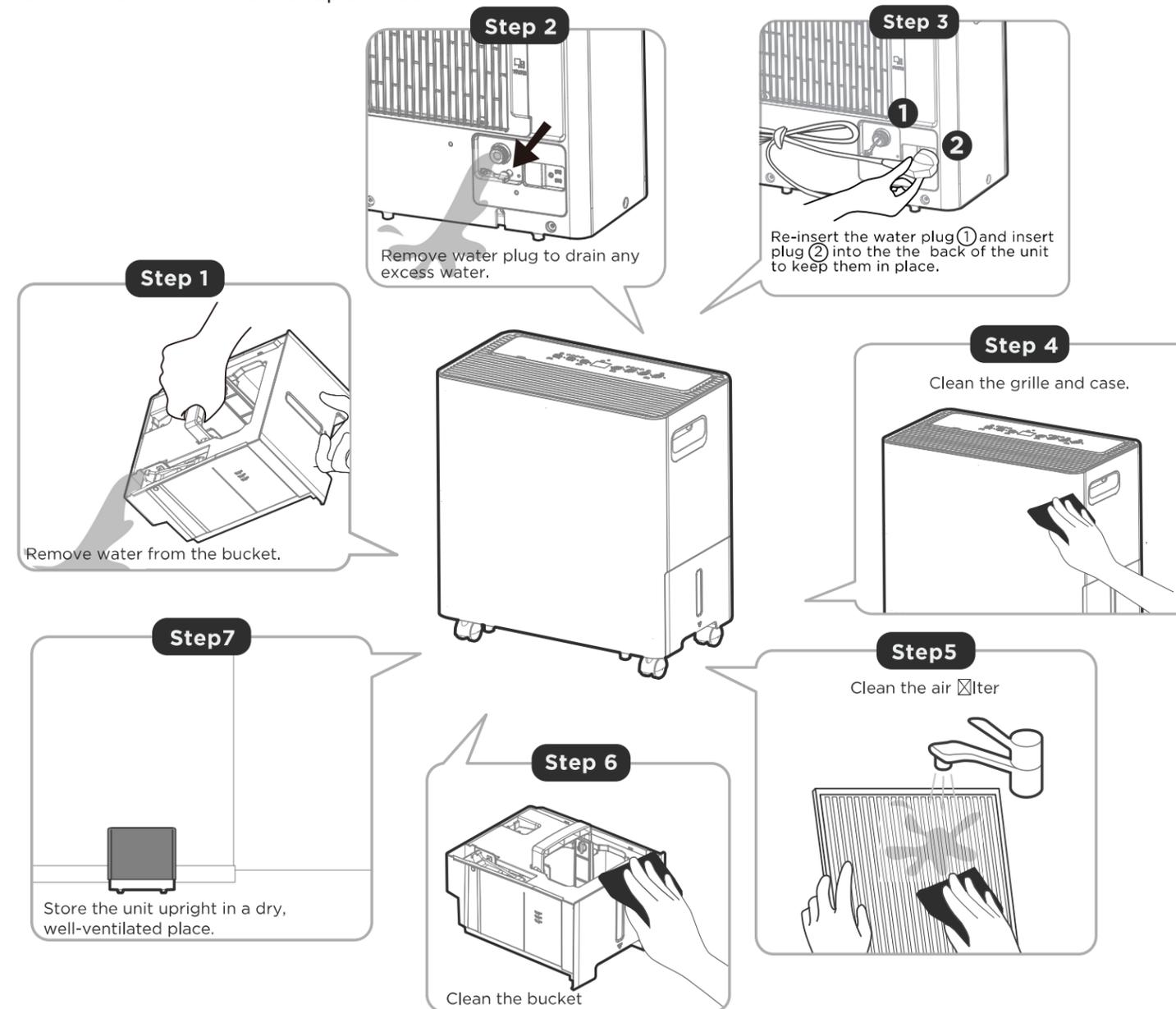


CAUTION

DO NOT operate the dehumidifier without the filter because dirt and lint will clog it and reduce performance.

When not using the unit for long time periods

Refer to Care and Maintenance for instruction on steps 4-6.



- Clean the main unit, water bucket and air filter.
- Please dry off any excess water that may be present after removing the bucket.
- Wrap the cord with the power cord buckle.
- Properly restore the bucket and place the unit in an upright position.
- Cover the unit with a plastic bag.
- Store the unit upright in a dry, well-ventilated place.

Troubleshooting

Before calling for service, review the chart below.

This list includes common occurrences that are not the result of defective workmanship or materials in this appliance.

Problem	What to check
Unit does not start	<p>Make sure the dehumidifier plug is pushed completely into the outlet.</p> <p>Check the house fuse/circuit breaker box.</p> <p>Dehumidifier has reached its preset level or bucket is full.</p> <p>Water bucket is not in the proper position.</p>
Dehumidifier does not dry the air as it should	<p>Did not allow enough time to remove the moisture.</p> <p>Make sure there are no curtains, blinds or furniture blocking the front or back of the dehumidifier.</p> <p>The humidity control may not be set low enough.</p> <p>Check that all doors, windows and other openings are securely closed.</p> <p>Room temperature is too low, below 5°C(41°F).</p> <p>There is a kerosene heater or something giving off water vapor in the room.</p>
The unit makes a loud noise when operating	<p>The air filter is clogged.</p> <p>The unit is tilted instead of upright as it should be.</p> <p>The floor surface is not level.</p>
Frost appears on the coils	<p>This is normal. The dehumidifier has an Auto defrost feature.</p>
Water is leaking onto the floor	<p>Hose to connector or hose connection may be loose.</p> <p>Intend to use the bucket to collect water, but the back drain plug is removed.</p>
ES, AS,P2,Eb appear in the display	<p>These are error codes and protection codes. See the CONTROL PANEL FEATURES section on page 19.</p>
The pump operation on light blinks at 1Hz	<p>Clean the filter of the pump.</p> <p>Check the pump hose does not leak or block.</p> <p>Empty the water in the bucket.</p>

The design and specifications are subject to change without prior notice for product improvement. Consult with the sales agency or manufacturer for details. Any updates to the manual will be uploaded to the service website, please check for the latest version.

Warranty

Dehumidifier Limited Warranty

Your product is protected by this Limited Warranty:

Warranty service must be obtained from Midea Consumer Services or an authorized Midea servicer.

Warranty

- One year limited warranty from original purchase date.

Midea, through its authorized servicers will:

- Pay all costs for repairing or replacing parts of this appliance which prove to be defective in materials or workmanship.

Consumer will be responsible for:

- Diagnostics, removal, transportation and reinstallation cost required because of service.
- Costs of service calls that are a result of items listed under NORMAL RESPONSABILITIES OF THE CONSUMER**

Midea replacement parts shall be used and will be warranted only for the original warranty.

NORMAL RESPONSABILITIES OF THE CONSUMER**

This warranty applies only to products in ordinary household use, and the consumer is responsible for the items listed below:

1. Proper use of the appliance in accordance with instructions provided with the product.
2. Routine maintenance and cleaning necessary to keep the unit in good working condition.
3. Proper installation by an authorized service professional in accordance with instructions provided with the appliance and in accordance with all local plumbing, electrical and/or gas codes.
4. Proper connection to a grounded power supply of sufficient voltage, replacement of blown fuses, repair of loose connections or defects in house wiring.

5. Expenses for making the appliance accessible for servicing.
6. Damages to finish after installation.

EXCLUSIONS

This warranty does not cover the following:

- 1) Failure caused by damage to the unit while in your possession (other than damage caused by defect or malfunction), by its improper installation, or by unreasonable use of the unit, including without limitation, failure to provide reasonable and necessary maintenance or to follow the written installation and operating Instructions.
- 2) Damages caused by services performed by persons other than authorized Midea customer service; or external causes such as abuse, misuse, inadequate power supply or acts of God.
- 3) If the unit is put to commercial, business, rental, or other use or application other than for consumer use, we make no warranties, express or implied, including but not limited to, any implied warranty of merchantability or fitness for use or purpose.
- 4) Products without original serial numbers or products that have serial numbers which have been altered or cannot be readily determined.

NOTE: Some states do not allow the exclusions or limitation of incidental or consequential damages. So this limitation or exclusion may not apply to you.

IF YOU NEED SERVICE

Keep your bill of sale, delivery slip, or some other appropriate payment record.

The date on the bill establishes the warranty period, should service be required.

If service is performed, it is in your best interest to obtain and keep all receipts.

This written warranty gives you specific legal rights. You may also have other rights that vary from state to state.

Service under this warranty must be obtained by following these steps, in order:

- 1) Contact Midea Consumer Services at 1 866 646 4332.
- 2) If there is a question as to where to obtain service, contact our Consumer Relations department via our website <https://www.midea.com/us/support>.

Midea

make yourself at home