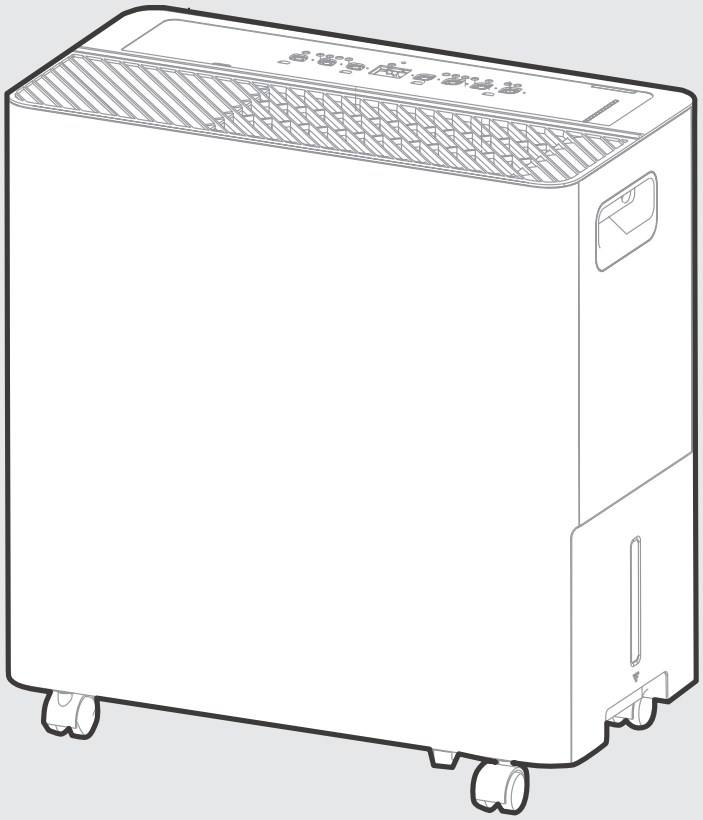

Dehumidifier

MAD

USER MANUAL

MAD50PS1BWT-C

Warning notices: Before using this product, please read this manual carefully and keep it for future reference.
The design and specifications are subject to change without prior notice for product improvement.
Consult with your dealer or manufacturer for details.
The diagram above is just for reference. Please take the appearance of the actual product as the standard.

Thank you for choosing Midea!

Before using your new Midea product, please review this manual thoroughly to ensure safe and effective operation of its features and functions.

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This manual contains valuable tips for the proper use and maintenance of your dehumidifier. With a bit of preventive care, you can save time and money throughout the appliance's lifespan. The troubleshooting section addresses common issues, allowing you to resolve most problems quickly before seeking professional service. While these instructions cover many scenarios, using common sense and adhering to safety guidelines is essential when installing, operating, and maintaining the unit.

⚠ CAUTION

- For support, please call the Service Center at 1-866-646-4332.
- This appliance is not intended for use by people (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.
- The appliance shall be installed in accordance with national wiring regulations.

SAFETY PRECAUTIONS

Safety and Inspection Guidelines

The following safety guidelines are designed to prevent risks or damage from improper use of the appliance. Upon arrival, inspect the packaging and appliance to ensure everything is intact for safe operation. If you notice any damage, contact the retailer or dealer immediately. Please note that modifications or alterations to the appliance are prohibited to ensure safety. Using the appliance in unintended ways may result in hazards and void any warranty claims.

Explanation of Symbols

WARNING
This signal indicates a medium-level hazard that, if not avoided, could result in death or serious injury.

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

⚠ WARNING

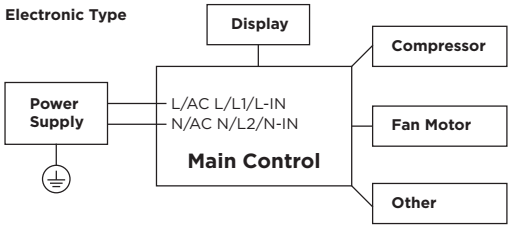
Please read through these instructions before you start the installation process. Improper installation can cause damage to the unit and/or personal property and can be a personal safety hazard.

- Ensure not to exceed the rated capacity 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 unit 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 unit 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 cloths 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 24 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 container filled on top of the unit.
- Do not use extension cords.

⚠ CAUTION

- This unit 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 unit.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Prior to cleaning or other maintenance, the unit must be disconnected from the power supply.
- Do not install the unit 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 unit 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 areas 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 unit with any solid-state speed control device.
- The unit shall be installed in accordance with national wiring regulations.
- Contact the authorized service technician for repair or maintenance of this unit.
- Turn off the unit 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

Please strictly follow the wiring label attached to the machine for all wiring connections. The wiring diagram may vary for di˜erent unit. Please refer to the wiring diagram on the machine you have purchased. The above wiring diagram is a simplified version for preliminary illustration purposes only.

⚠ WARNING

BEFORE PERFORMING ANY ELECTRICAL OR WIRING WORK, TURN OFF THE MAIN POWER TO THE SYSTEM.

CAUTION:
Risk of fire
flammable materials

IMPORTANT NOTE: Read this manual carefully before installing or operating your new appliance unit. Make sure to save this manual for future reference.

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

- 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.

⚠ WARNING (for using R32 refrigerant)

Flammable!

Refrigerant R32 is used within the unit.

- When maintaining or disposing the unit, 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 unit 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. All training shall follow the ANNEX HH requirements of UL 60335-2-40 4th Edition.

  Examples for such working procedures are:

  - Breaking into the refrigerating circuit;
  - Opening of sealed components;
  - Opening of ventilated enclosures.
- Keep the appliance away from open flames or devices that may cause sparks to avoid igniting the flammable refrigerant, and follow instructions carefully to prevent mechanical damage.
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The unit shall be stored in a room without continuously operating ignition sources (i.e. open flames, an operating gas appliance) and ignition sourcesor (i.e. an operating electric heater) close to the unit.
- 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 the appliance should be in accordance with the applicable regulations or instructions, whichever is more stringent.
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 vapor 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 of. 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-sparkling, 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
      During work on refrigeration systems involving pipes containing or having contained flammable refrigerants, individuals must avoid using any ignition sources that could potentially cause fire or explosion risks. This includes maintaining a safe distance from the installation, repair, removal, and disposal sites where flammable refrigerants may be present. Before commencing work, the surrounding area must be inspected to ensure there are no flammable hazards or ignition risks. Additionally, 'No Smoking' signs should be prominently displayed.
   7) Ventilated area
      Before initiating any system breach or conducting hot work, ensure the area is outdoors or properly ventilated. Adequate ventilation must be maintained throughout the duration of the work to safely disperse any released refrigerant, ideally venting it externally into the atmosphere.

8) Checks to the refrigerating equipment

When replacing electrical components, ensure they are suitable for their intended purpose and meet the correct specifications. Always adhere to the manufacturer's maintenance and service guidelines. If uncertain, seek guidance from the manufacturer's technical department. The following checks should be performed for installations utilizing flammable refrigerants:

The refrigerant charge must align with the size of the room where refrigerant-containing parts are installed. Ensure ventilation systems and outlets operate effectively and remain unobstructed. If using an indirect refrigerating circuit, verify the presence of refrigerant in the secondary circuit. Equipment markings must be visible and legible at all times; any illegible markings or signs should be promptly corrected. Refrigeration pipes and components should be installed in locations unlikely to expose them to corrosive substances, unless they are inherently corrosion-resistant materials or adequately protected against corrosion.

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 addressed. 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.**
8. **Intrinsically safe components must be replaced.**
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 should potential sources of ignition be used during the search for or detection of refrigerant leaks. This includes avoiding the use of halide torches or any other detectors that utilize naked flames.

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 refrigerant leak requiring brazing is detected, all refrigerant must be recovered from the system, or isolated (using shut-off valves) in a part of the system away 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 must be recovered into appropriate recovery cylinders if venting is prohibited by local and national codes. For appliances containing flammable refrigerants, the system should be purged with non-flammable refrigerants that are oxygen-free. Under no circumstances should compressed air or oxygen be used for purging refrigerant systems.

For appliances containing flammable refrigerants, purging must be conducted by initially breaking the vacuum in the system with oxygen-free nitrogen. Nitrogen should be continuously added until the desired working pressure is reached, then vented to the atmosphere. Subsequently, the system should be pulled down to a vacuum (this step is optional for A2L refrigerants). This purging process should be repeated until no refrigerant remains in the system (optional for A2L refrigerants). After the final charge of oxygen-free nitrogen is used, the system should be vented to atmospheric pressure to facilitate further work.

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 minimize 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. Before commencing the task, it is essential to take oil and refrigerant samples in case analysis is needed before reclaimed refrigerant can be reused. Ensure electrical power is available prior to starting the task.

    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. If possible, pump down the refrigerant system.
    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. **Labeling.**

    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.

PRODUCT OVERVIEW

Identification of Parts

Name of each component of the product

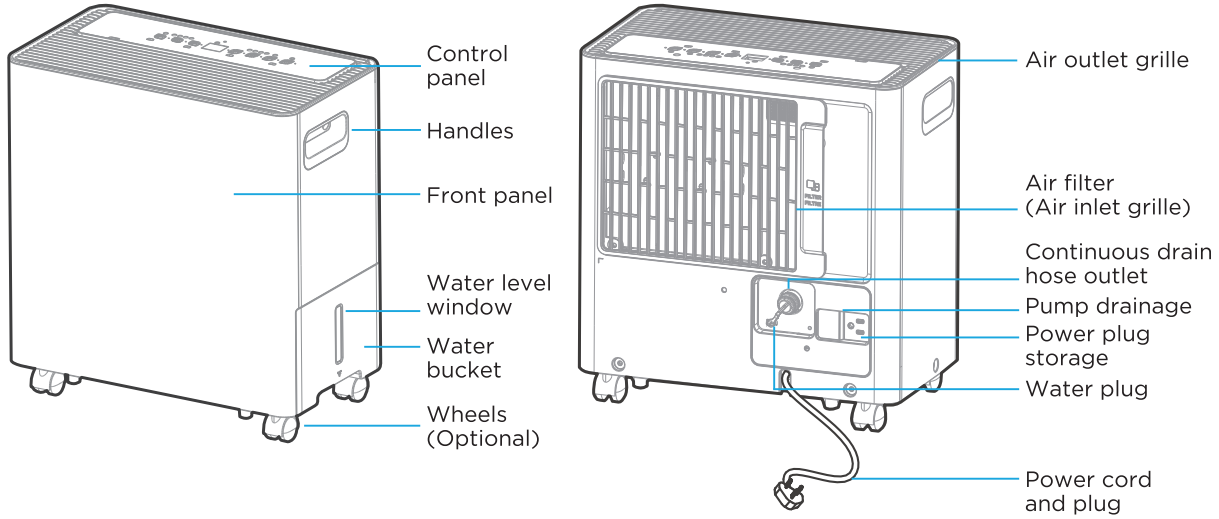


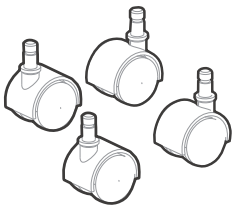
Fig. 1

NOTE

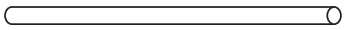
All the illustrations in the manual are for explanation purpose only. Your unit may be slightly different. The actual shape shall prevail. The unit can be controlled by the unit control panel.

Accessories

Wheels (4 pc)



Pump drain hose (1 pc)



PRODUCT INSTALLATION

Positioning the Unit

Safe distance requirements

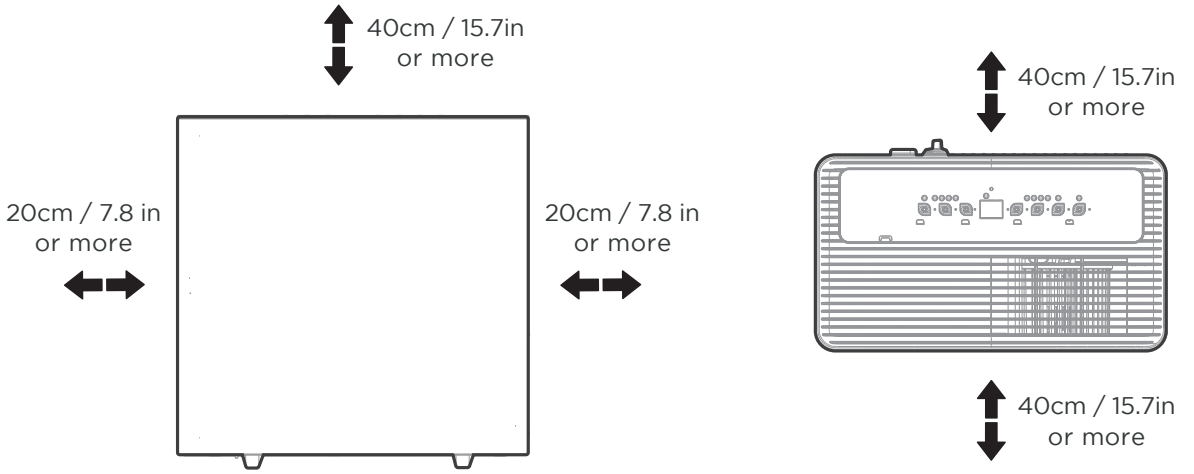


Fig. 2

NOTE

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

- The unit is equipped with universal wheels that allow flexible movement in all directions.
- Avoid forcing the wheels to move over carpet. Do not move the unit when the bucket contains water, as this may cause tipping and spillage.

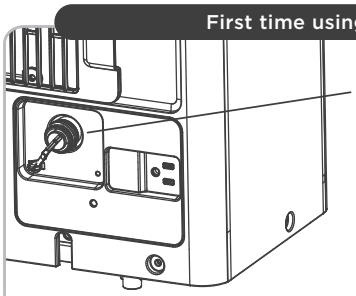
A dehumidifier operating in a basement will have little or no effect in drying an adjacent enclosed storage area, such as a closet, unless there is adequate circulation of air in and out of the area. (See Fig. 2)

- Do not use outdoors.
- This dehumidifer is intended for indoor residential applications only.
- This dehumidifer 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 / 7.8in of air space on all sides of the unit for good air circulation (at least 40cm / 15.7in 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 may develop frost when temperatures drop below 5°C (41°F), potentially reducing performance.
- Place the dehumidifier away from the dryer, heater or radiator.
- Use the dehumidifier to prevent moisture damage in areas where 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 dehumidifier 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

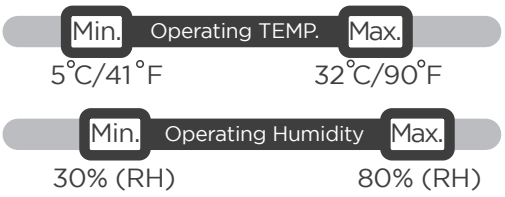
Preparations for product use

First time using

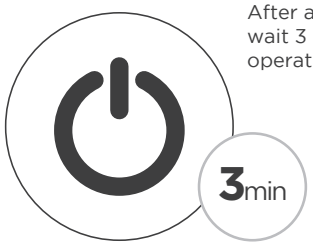


Ensure the water plug is securely installed and operate the unit continuously for 24 hours.

Working condition requirement



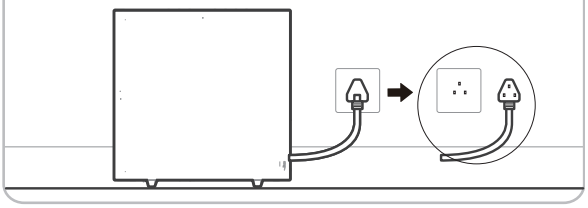
Precautions for use



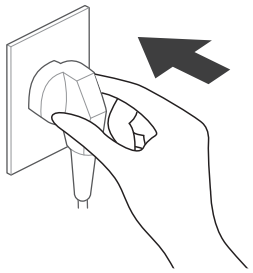
After a quick restart, wait 3 minutes for the operation to resume.

Correct power connection

*It is highly recommended to insert the plug into a single socket outlet.

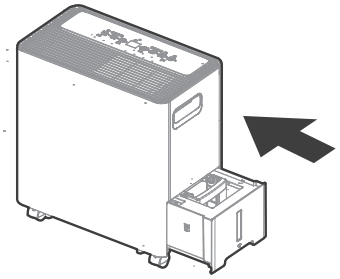


Ground connection



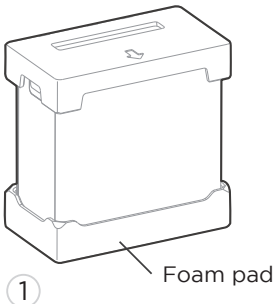
*Please refer to the actual plug; image is for reference only.

Proper installation of water bucket



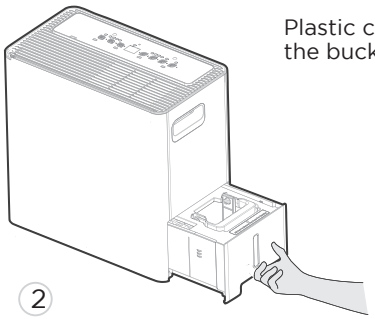
- When first using the dehumidifier, operate the unit continuously for 24 hours. Ensure that the plastic cover of the bucket (Page 15) is securely installed in continuous dehumidification mode and does not leak.
- This dehumidifier is designed to operate with a working environment between 5°C/41°F and 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 dehumidifier, 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 dehumidifier will not operate properly.

Wheels Installation



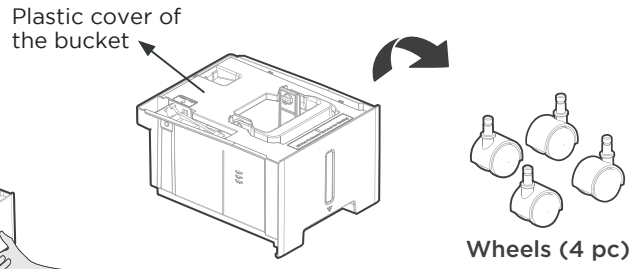
1

Remove the foam pad for preparation.



2

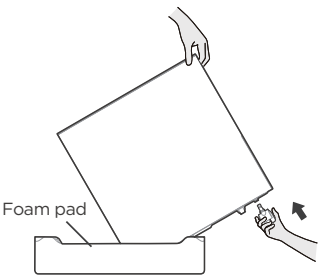
Pull out the water bucket.



3

Remove the cushion pad and four wheels from the bucket, then reinstall the water bucket.

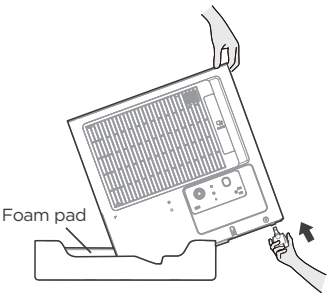
Step 1



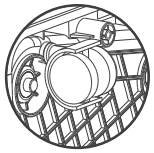
4

Tilt the unit on its side and hold it with one hand, then fully insert two wheels.

Step 2



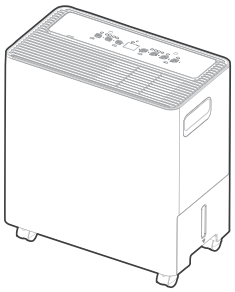
Before inserting



Correctly inserted

5

Rotate the unit and hold it with one hand, then fully insert the other two wheels.



6

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

⚠ WARNING

- Remove the bucket and water plug, drain the water as shown in step 1 and step 2.
- Reinstall the bucket and water plug before installing the wheels.
- Ensure the tilt angle does not exceed 30 degrees during wheels installation, and all wheels **MUST BE** installed within 5 minutes.
- After installing the wheels, set the unit upright and let it rest for 30 minutes before starting the unit.

Step 1

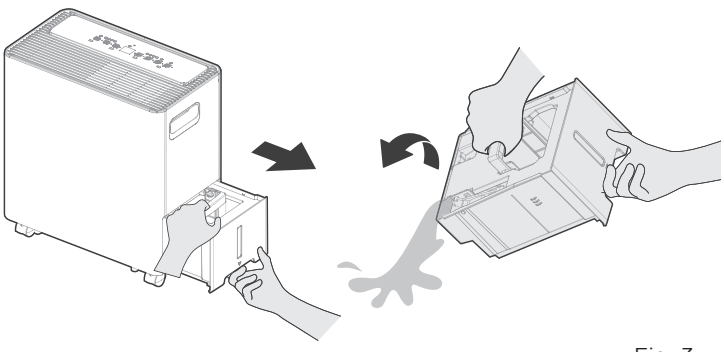


Fig. 3

Step 2

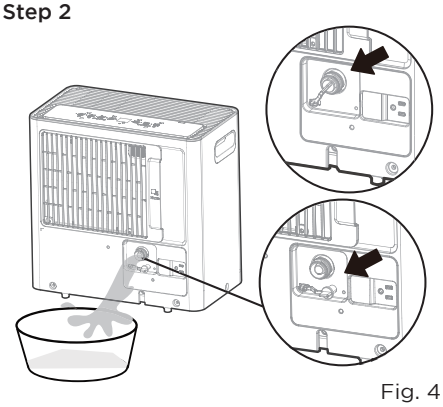


Fig. 4

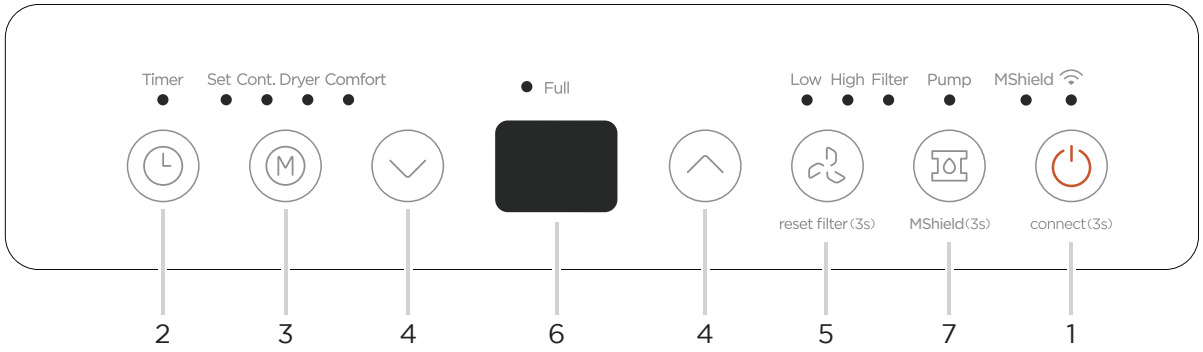
PRODUCT FEATURES

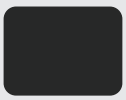
Control Panel Features

Operation Display

NOTE

The following control panels are for illustrative purposes only. The control panel of the unit you purchased may vary slightly depending on the model. Some indicators or buttons may not be present. The physical shape of the unit will remain consistent.



		Description
1	 connect(3s) ON / OFF	• Press to turn unit on or off. • Press for 3 sec to initiate wireless connection mode.
2	 TIMER Button	• Press to turn unit Auto Start/Stop.
3	 Mode Button	• Press to choose operating mode in a sequence: Set → Cont. → Dryer → Comfort
4	 UP / DOWN Buttons	• Press to set humidity and timer.
5	 reset filter(3s) FAN Button	• Press to select the Fan Speed in two steps: High and Low. • Press and hold the button for 3 seconds to turn off the cleaning filter reminder.
6	 LED Display	• Show the ambient humidity and set humidity, set time (when timer function is used), and the error codes.
7	 MShield(3s) PUMP Button	• Press to activate the built-in pump function. • Press and hold the button for 3 seconds to turn the MShield Air Ionizer Function on or off.

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 will show 'AP' to indicate that you can now set up the wireless connection.
2. If the connection is successful within 8 minutes, the unit will automatically exit Wireless connection mode, and the Wireless indicator will illuminate. The unit will resume its previous function. If the connection fails within 8 minutes, the unit will exit Wireless connection mode automatically.

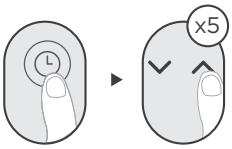
NOTE

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:

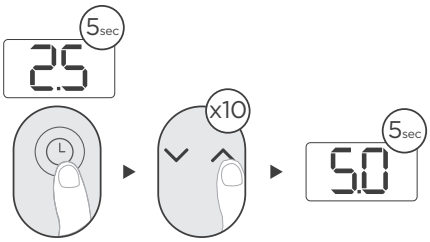
Press the Timer button to initiate the Auto start and Auto stop function, in conjunction with the UP and DOWN buttons.

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. After the 10th hour, it will be by 1 hour increments, up to 24 hours.
3. The selected time will register in 5 seconds, after which the system will automatically revert to displaying the ambient humidity. The control will also count down the remaining time until the start.

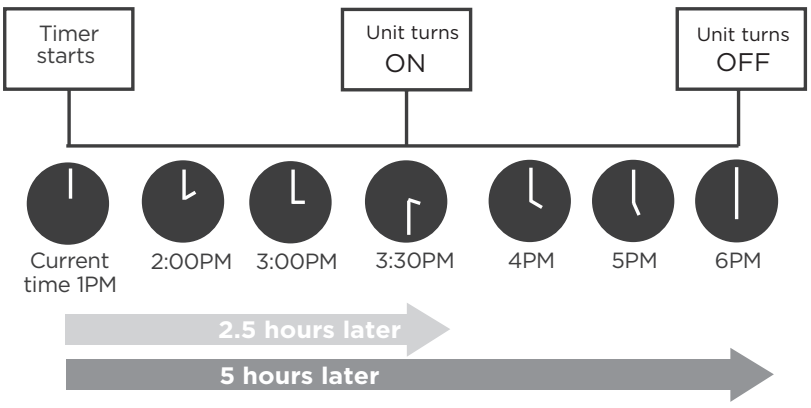
Auto stop setting



1. In the startup state, press the Timer button to active 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

Once the TIMER setting is complete, you can press the button again to check the TIMER status. To cancel the TIMER, simply set the time to 0.0.



Example: If current time is 1:00PM, and the timer is set following the steps above, the unit will turn on 2.5h later (3:30PM) and turn off at 6:00PM.

3. MODE Function:

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

NOTE

The humidity setting cannot be adjusted manually in Dryer, Continuous, or Comfort mode. The set humidity will be displayed when the mode is selected, and the ambient humidity will appear 5 seconds later.

Set Dehumidifying Mode (Set)

Set mode allows you to manually adjust the desired humidity level between 35% and 85%.

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.

NOTE

Humidity cannot be adjusted in this mode.

Comfort Dehumidifying Mode (Comfort)

Press the button to select the Comfort Dehumidifying mode.

NOTE

The unit will automatically maintain room humidity within a comfortable range of 45% to 55%, depending on the room temperature.

Dryer Mode (Dryer)

In dryer mode, the unit will filter out moisture and blow it back into the room at a warmer temperature on a higher fan setting.

Press the button to select Dryer mode. In this mode, the unit will operate in continuous dehumidifying with high fan speed.

NOTE

For some models, the unit will exit Dryer mode after a maximum of 10 hours of 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.

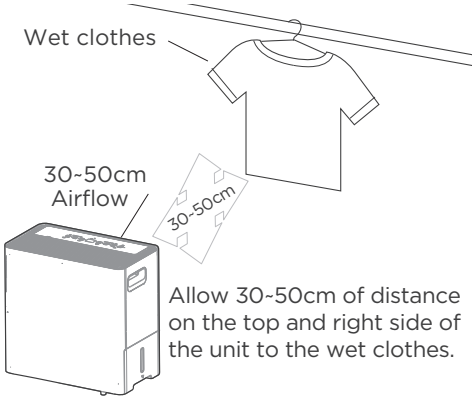


Fig. 5

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 a 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 both the ambient humidity and the set humidity. When the timer function is active, the display will indicate the set time. In case of an error, the display will show the corresponding 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. Pump Mode Indicator will be on. When using this function, the unit will automatically pump water out until the water bucket is empty. The pump will stop automatically once the water bucket is empty.

NOTES

- Pump drain hose must be well connected for this mode.
- If the pump and bucket full indicator lights flash together after pressing the Pump button, the drain hose may be improperly installed. See page 28 for installation instructions.
- 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 cannot 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 the fan motor 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 24 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.

SMART FEATURE SETUP

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.

NOTE

Midea will not be responsible for any problems that could be caused by incompatibility or network issues, your wireless router and mobile phone.

Using the SmartHome App

⚠ CAUTION

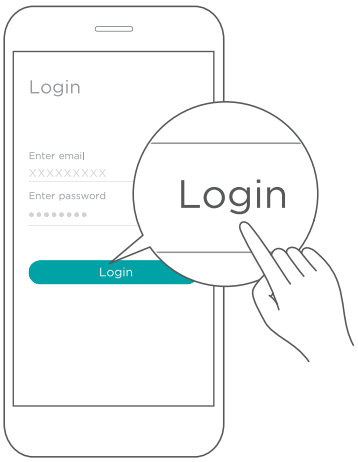
Ensure your mobile phone is connected to the wireless network, Bluetooth is enabled, and the device is powered on.

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 App Store.

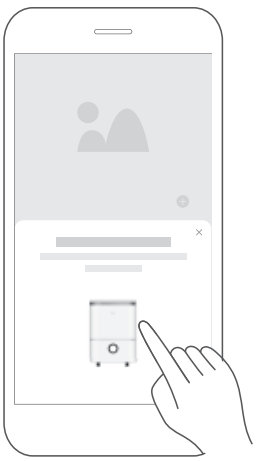
Step 2: Log in

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

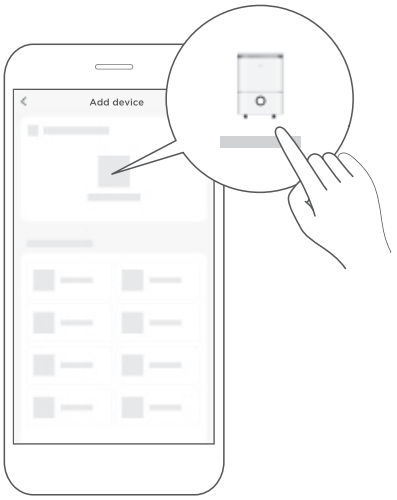
1) When you log in, you may see the message “Smart devices discovered nearby”. Tap to add your device.



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 (i.e. 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 (as shown on Fig. A), will reveal additional features and settings.

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

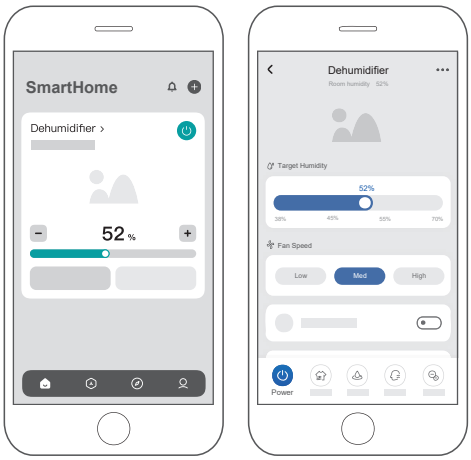


Fig. A

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 (Europen 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.

CLEANING AND MAINTENANCE

How To Clean & Care For Your Product

Turn the dehumidifier off and disconnect the plug from the power source before cleaning.

1. Clean the Grill and Case

- Use water and a mild detergent. Do not use bleach or abrasives.
- Do not splash water directly onto the main unit, as this may result in electrical shock, deteriorate insulation, or cause rust.
- The air intake and outlet grilles can collect dirt easily, so clean them regularly using a vacuum attachment or brush.

2. 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.

3. 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.

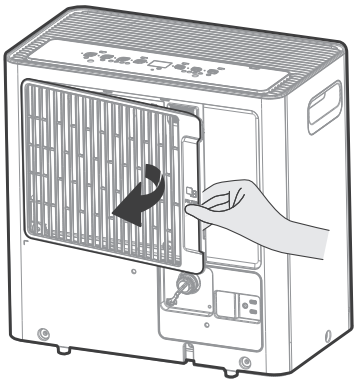


Fig. 8

⚠ CAUTION

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

4. 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 as Fig. 9)
- Remove the screw as shown as Fig. 10.
- Take out the pump drainage structure and clean the filter at the button of the hose.
- Reinstall the filter and pump drainage structure to the side access bucket.

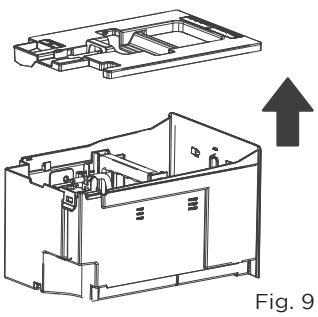


Fig. 9

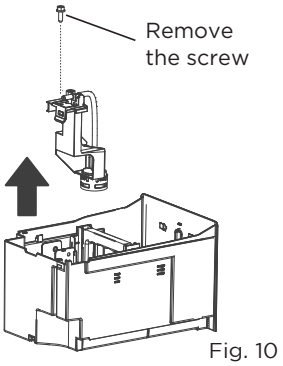
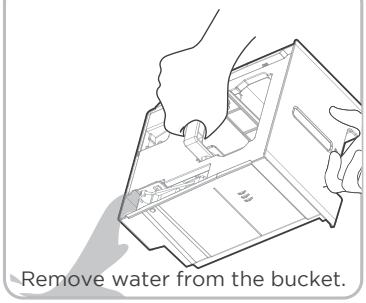


Fig. 10

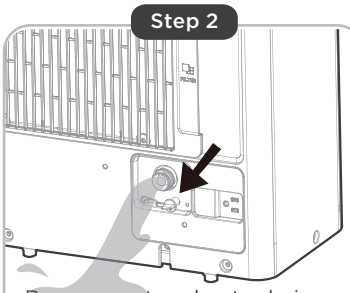
When Not Using The Unit For Long Time Periods

Step 1



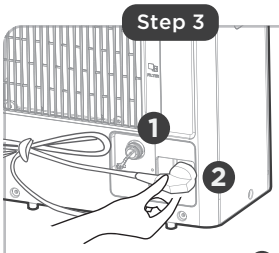
Remove water from the bucket.

Step 2



Remove water plug to drain any excess water.

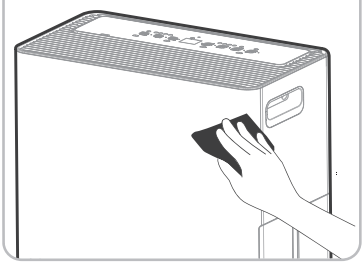
Step 3

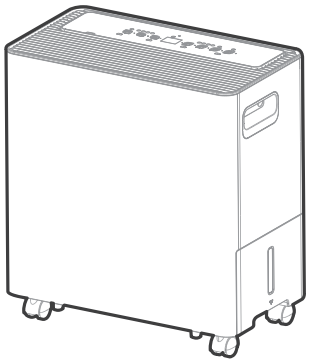


Re-insert the water plug ❶ and insert plug ❷ into the the back of the unit to keep them in place.

Step 4

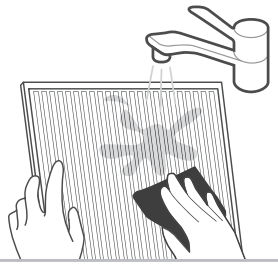
Clean the grille and case.



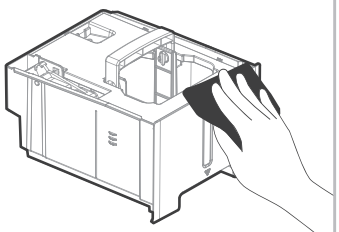


Step 5

Clean the air filter.

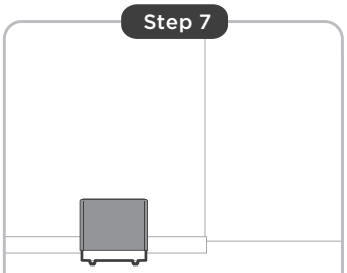


Step 6



Clean the bucket.

Step 7



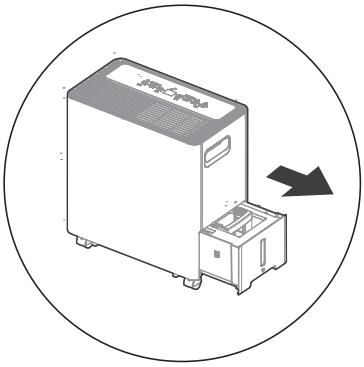
Store the unit upright in a dry, well-ventilated place.

- 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.

Removing Collected Water

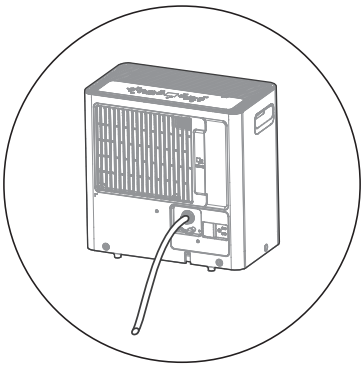
When Your Bucket Is Full

There are different ways to remove collected water.



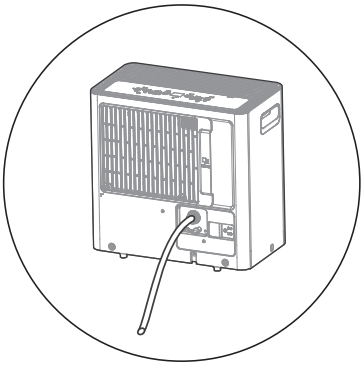
Type 1:

Bucket drainage



Type 2:

Water hose drainage (continuous)

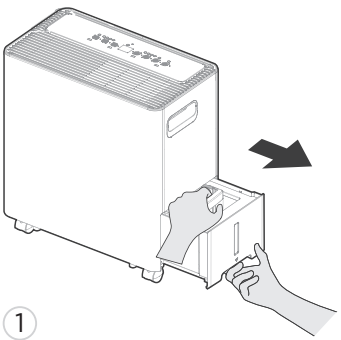


Type 3:

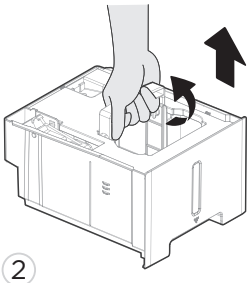
Pump drainage

Type 1: Bucket Drainage

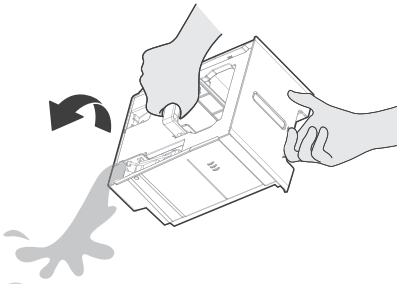
- When the unit is off, if the bucket is full, the Full Indicator light will turn on.
- When the unit is on and the bucket is full, the compressor and fan will turn off, the Full indicator light will activate, and the digital display will show “P2.”
- Pull the bucket out halfway, then pull up the handle and lift the bucket slowly vertically to prevent spillage.
- Dump the water and replace the bucket. The bucket must be correctly installed for the dehumidifier to operate.
- The unit will re-start 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 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 even injure you.

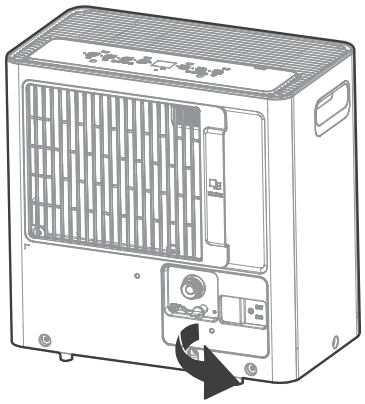
NOTE

- 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.
- When the unit is on and the bucket is removed, the compressor and fan will turn off, the unit will beep 8 times, and the digital display will show “Eb”.
- When the unit is off and the bucket is removed, the unit will beep 8 times, and the digital display will show “Eb”.

Type 2: Water Hose Drainage (continuous)

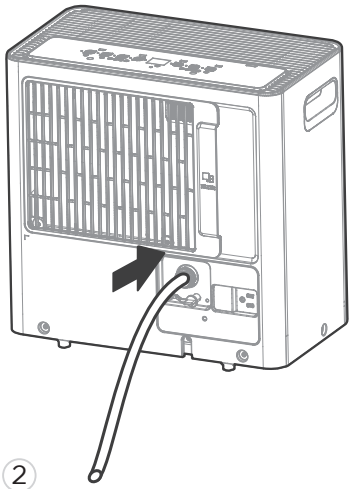
Water can be automatically emptied into a floor drain by attaching the unit with a water hose (Id ≥ Ø 5/16”, not included) with a female threaded end (ID: M=1”, not included).

Before the water bucket 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.

Type 3: Pump Drainage

To connect pump drain hose:

- Press the tightening ring of drainage joint (as shown as Fig. 6);
- Keep pressing the grey ring while pulling out the plug. (as shown as Fig. 7);
- 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 drainage joint.
- Pull out the drain hose.
- Place the plug back to the joint.

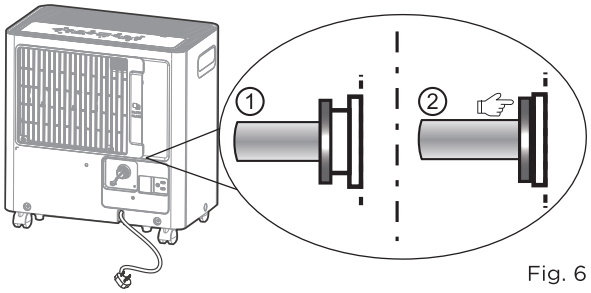


Fig. 6

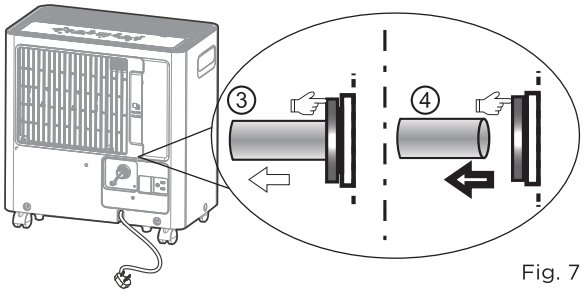


Fig. 7

NOTE

- The maximum distance and the rise of the hose is 5 m / 16ft 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.)

TROUBLESHOOTING TIPS

Malfunction Diagnosis

Before calling for service, review the chart below first. This list includes common occurrences that are not the result of defective workmanship or materials in this unit.

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

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 the date of delivery or the purchase date, whichever is later.
- The date of delivery establishes the warranty period, should service be required.

Midea, through its authorized servicers will:

- Pay all costs for reparing 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 is necessary to keep the 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 grouded power supply of sufficient voltage, replacement of blown fuses, repair of loosen connections or defects in house wiring.
5. Expenses for making the appliance accessible for servicing.
6. Damages to finish after intallation.

EXCLUSIONS

This warranty does not cover the following:

1) Failure caused by damage to the unit while in your possesion (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 serviced performed by persons other than those authorized by 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, Midea makes 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.

NOTICE: 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 SERVICE IS NEEDED

Keep the 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, its 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 or an authorized Midea services at 1 866 646 4332.
2) If there is a question as to where to obtain service, contact our consumer relations Departament.

Midea

make yourself at home

www.midea.com

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