



USER MANUAL

Dehumidifier

WDP

Rated voltage: 115V
Frequency: 60Hz

WARNING: 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.

SAFETY PRECAUTIONS

- ⚠ CAUTION**
- Contact an authorized service technician for repair or maintenance of this unit.
 - The air conditioner is not intended for use by young children or infirm persons without supervision.
 - Young children should be supervised to ensure that they do not play with the air conditioner.
 - If the power cord needs to be replaced, please contact our consumer service and look for an authorized technician.
 - Electrical installation must be performed in accordance to national regulation standards by qualified personnel only.

Please read through these instructions before you start the installation process. Improper installation can cause damage to the unit, your personal property, and also poses a personal safety hazard.

- WARNINGS** (for using R290/R32 refrigerant only)
- Do not use any means to accelerate the defrosting process or to clean the unit, other than those recommended by the manufacturer.
 - Do not use or store the appliance in spaces with potential ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).
 - Do not pierce or burn refrigerant tubing. Be aware that refrigerants may not contain an odor.
 - Keep ventilation openings clear of obstruction.
 - Store the appliance in a way that will prevent mechanical damage from occurring.
 - Store the appliance 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.
 - 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 the person competent in the use of flammable refrigerants.
 - Flammable refrigerant (R290/R32) is used within the air conditioner. please follow the instruction carefully to avoid any hazard. For specific information on the type of gas and the amount, please refer to the relevant label on the unit itself.
 - When maintaining or disposing of the air conditioner, the refrigerant (R290/R32) shall be recovered properly, do not discharge to air directly.

- To prevent injury to the user or other people and property damage, the instructions shown here must be followed. Incorrect operation due to ignoring of instructions may cause harm or damage. The level of risk is shown by the following indications.
- Please read through these instructions before you start the installation process. Improper installation can cause damage to the unit, your personal property, and also poses a personal safety hazard.
- Installation must be performed according to the installation instructions. Improper installation can cause water leakage, electrical shock, or fire.
 - Use only the included accessories and parts, and specified tools for the installation. Using non-standard parts can cause water leakage, electrical shock, fire, and injury or property damage.
 - Make sure that the outlet you are using is grounded and has the appropriate voltage. The power cord is equipped with a three-prong grounding plug to protect against shock. Voltage information can be found on the side of the unit, behind the grille.
 - Install the unit on a flat, sturdy surface. Failure to do so could result in damage or excessive noise and vibration.
 - The unit must be kept free from obstruction to ensure proper functioning and to mitigate safety hazards.
 - 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.
 - DO NOT install your air conditioner in a wet room such as a bathroom or laundry room. Exposure to water can cause electrical components to short circuit.
 - DO NOT install the unit in a location that may be exposed to combustible gas, as this could cause fire.
 - The unit has wheels to facilitate moving. Do not attempt to roll the unit across thick carpet or to roll over objects, as this could cause the unit to tip over.
 - DO NOT attempt to operate a unit that has been dropped or damaged.
 - DO NOT allow children to play with the air conditioner. Children must be supervised around the unit at all times.

- If the air conditioner 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.
- In a thunderstorm, the unit should be turned off to avoid damage to the machine due to lightning.
- 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.
- If the power 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 appliance must be disconnected from the supply mains.
- 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.
- Do not run the power 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.
- To reduce the risk of fire or electric shock, do not use this air conditioner 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.
- Contact the authorized installer for installation of this unit.
- When there are significant differences between features or operation implied by the remote control illustration and the actual functions described in the USER MANUAL, the descriptions in the USER MANUAL shall prevail.
- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc), or rechargeable (ni-cad, ni-mh, etc.) batteries.



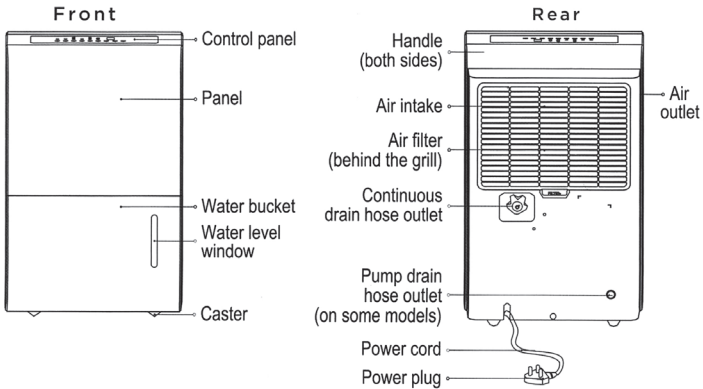
Caution: Risk of fire/flammable materials
(Required for R32/R290 units only)



IMPORTANT INFORMATION
Do not drill holes in the product.
Drilling holes in the product can
cause the air conditioner to not
function properly.

Unit Specifications and Features

Product overview



NOTE

All the pictures in this manual are for illustrative purposes only. The actual shape of the air conditioner you purchased may be slightly different, but its operations and functions are similar.

The actual descriptions of control panel and their locations may vary, depending on the model.

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Desing may vary by model number.

Installation Instructions

Positioning the Unit

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. 3)

- 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 8 inches of air space on all sides of the unit for air circulation (at least 16 inches for air outlet).
- Place the unit in an area where the temperature will not fall below 41°F (5°C). The coils can become covered with frost at at lower temperatures, which may reduce performance.
- Place the unit away from any clothes dryer, heater or radiator.
- Close all doors, windows and other outside openings to the room.

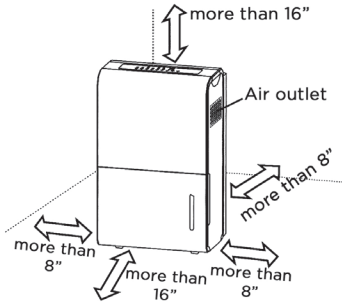
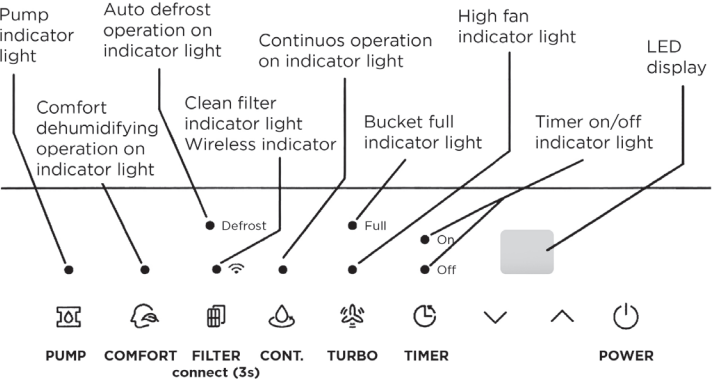


Fig. 3

Operating Instructions

Key Pad Features



NOTE:

The appearance of the control panel on your unit may vary slightly. Functions will be similar.

Control Pads

When you push the button to change operation modes, the unit will make a beep sound to indicate that it is changing modes.

(PUMP) Button (PUMP Models Only)

Press to active the pump operation.

(COMFORT) Button

Press to activate the comfort dehumidifying operation.

NOTE:

When COMFORT function is turned on, the humidity set point cannot be changed manually. Under comfort dehumidifying operation, press Up/Down button will cancel this features.

(FILTER) Button

This feature is a reminder to clean the Air Filter for more efficient operation. The LED (light) will flash after 250 hours of operation. To reset after cleaning the filter, press the Filter button and the light will go off. The 250 hours counter will reset.

(CONTINUE) Button

Press to activate the comfort dehumidifying operation.

NOTE:

When CONTINUOUS function is turned on, the humidity set point cannot be changed manually.

(TURBO) Button

Control the Turbo speed. Press to select either Turbo or normal fan speed. Set the Turbo control to high for maximum moisture removal. When room humidity is at your preferred level, it is advised to turn off Turbo speed.

(TIMER) Button

Starts the Timer ON and OFF function setting.

Up/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.

For dries air, press the ▼ button and set a lower value (%).

For damper air, press the ▲ button and set a higher value (%).

• TIMER Set Control Buttons

Use the ▲ and ▼ key buttons to set the Timer ON or Timer OFF from 0 to 24 hours.

(POWER) Button

Press to turn the dehumidifier on and off.

LED Display

Shows the set % humidity level from 35% to 85% or auto start/stop time (0 - 24) while setting, then shows the actual (+/- 5% accuracy) room % humidity level in range of 30% RH (Relative Humidity) to 90% RH (Relative Humidity).

Wireless Indicator

When connecting your air conditioner to Wireless, press the Filter button for 3 seconds to initiate the Wireless connection mode. The display shows 'AP' to indicate the unit is in the Wireless connection mode.

Refer to the instructions within the app to complete the connection process. If connection is successful within 8 minutes, the unit will exit Wireless connection mode automatically and the Wireless connection mode automatically and the Wireless indicator does not illuminate. After Wireless connection is successful, you can control the Dehumidifier within the Midea Air app.

Error Codes and Protection Code:

AS - Humidity sensor error - Unplug the unit and plug it back in. If error persists, contact a service center.

ES - Tube Temperature sensor of the evaporator error - Unplug the unit and plug it back in. If error persists, contact a service center.

P2 - Bucket is full or bucket is not in right position - Empty the bucket and replace it in the right position. (Only available for the unit with no pump feature.)

P2 - Bucket is full - Empty the bucket. (Only available for the unit with no pump feature.)

EC - Refrigerant leakage detection - Display area will show EC when the unit detects refrigerant leakage. If error persists, contact a service center.

Eb - Bucket is removed or not in right position - Replace the bucket in the right position. (Only available for the unit with pump feature.)

Bucket Full Light

Lights up when the bucket is ready to be emptied.

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. When the set point humidity level is reached, the unit will be shut off automatically. The fan motor will continue operating.

Auto Defrost

When frost builds up on the evaporator coils, the compressor will cycle off and Auto Defrost function will run automatically.

3 minute compressor operation delay protection

After the unit has stop, it can not be restarted in the first 3 minutes to protect compressor operation. The unit will restart automatically after 3 minutes.

Auto-Restart

If the unit stops unexpectedly due to a power cut, it will restart with the previous function setting automatically when the power resumes.

Setting the Timer ON and Timer OFF

- When the unit is on, first press the Timer button, the Timer OFF indicator light illuminates. It indicates the Timer OFF program is initiated. Press it again the Timer ON indicator light illuminates. It indicates the Timer ON is initiated.
- When the unit is off, first press the Timer button, the Timer ON indicator light illuminates. It indicates the Timer ON program is initiated. Press it again the Timer OFF indicator light illuminates. It indicates the Timer ON is initiated.
- Press or hold the ▲ and ▼ key buttons to change the Timer by 0.5 hour increments, up to 10 hours, then at 1 hour increments up to 24 hours. The control will count down the time remaining until start.
- The selected time will register in 5 seconds and the system will automatically revert back to display the previous humidity setting.
- When the Timer ON and Timer OFF times are set, within the same program sequence, indicator lights illuminate identifying both ON and OFF times are now programmed.
- Turning the unit ON or OFF at any time or adjusting the timer setting to 0.0 will cancel the Timer function.
- When LED display window displays the code of P2, the auto Start/Stop function will also be cancelled.

NOTE:

- Before operating the unit, make sure the plug for the drain hose outlet is securely installed.
- When first using the dehumidifier, operate continuously for 24 hours.
- This unit is designed to operate with a working environment between 5°C/41°F and 32°C/90°F.
- Make sure the water bucket is positioned correctly so that the unit can operate properly. When the water in the bucket reaches a certain level, please be careful while moving the unit to avoid spill.

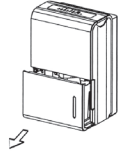
Removing Collected Water

There are three ways to remove collected water:

1. Use the bucket

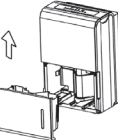
- When the unit is off, if the bucket is full, the Full indicator light will light.
- When the unit is on, if the bucket is full, the compressor and the fan turn off, and the Full indicator light will light, the digital display shows P2.
- Slowly pull out the bucket. Grip the left and right handles securely, and carefully pull out straight so water does not spill. Do not put the bucket on the as because the bottom of the bucket is uneven. Otherwise the bucket will fall and cause the water to spill.
- Empty the water and reposition the bucket.
- The unit will restart operation when the bucket is back in place.

1. Pull out the bucket.



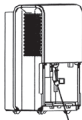
2. Hold both sides of the bucket evenly, and pull it out from the unit.

Fig. 4



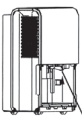
3. Pour the water out.

Fig. 5



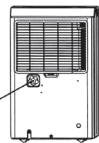
Pump hose drops

Fig. 6



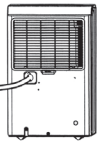
Reinstall pump hose properly

Fig. 7



Remove the plastic cover rotating counter-clockwise

Fig. 8



Drain hose

Fig. 9



Reinstall the plastic cover

Pump drain hose

Pump drain hose outlet

Fig. 10

NOTES

- When you remove the bucket, do not touch any parts inside the unit. Doing so may damage the product.
- Be sure to push the bucket gently all the way into the unit.
- If the pump hose falls off when you remove the bucket (see Fig. 6), you must reinstall the pump hose properly to the unit before replacing the bucket into the unit (see Fig. 7).
- When the unit is on, if the bucket is removed, the compressor and the fan turn off, then 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.

2. Continuous draining

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

- Remove the plastic cover from the back drain outlet of the unit and set aside, then insert the drain hose through the drain outlet of the unit and lead the drain hose to the floor drain or a suitable drainage facility. (See Fig. 8 and Fig. 9)
- When you remove the plastic cover, if there is some water in the back drain outlet of the unit you must dry it. Make sure the hose is secure so there are no leaks and the end of the hose is level or down to let the water flow smoothly.
- Direct the hose toward the drain, making sure that there are no kinks that will stop the water flowing.
- 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.

3. Pump draining (Pump models only)

Water can be automatically emptied into a floor drain or a suitable drainage facility by attaching the pump drain out with a pump drain hose (Ø od = 1/4", supplied).

- Remove the continuous drain hose from the unit and install the plastic cover to the continuous drain hose outlet of the unit by clockwise rotation. (See Fig. 10)
- Insert the pump drain hose into the pump drain hose outlet for at least 15mm (See Fig. 10), then lead the water hose to the floor drain or a suitable drainage facility.
- Press the pump pad on the unit to activate the pump operation. When the bucket is full the pump starts to work.

NOTE

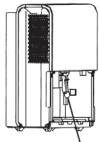
The pump may generate a loud noise for the first 3 ~ 5 minutes of operation.

- 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.
- Place the end of the hose into the drain.
- Select the desired humidity setting and fan speed on the unit for pump draining to start.

NOTE

The pump operation light blinks when a failure occurs. Please turn off the unit and disconnect the power cord. Check the following things:

- Cleaning the pump filter:
 - Remove the bucket from the unit, take down the pump and clean the pump filter (See Fig. 11).
- Check if the drain hose is clean and free of debris.
- Empty the water of the bucket.
- Check the hose connection and the bucket for proper fitment. If the error persists, contact a service center.



Filter of the pump

Fig. 11

NOTE

Do not use this operation when the outdoor temperature is equal to or less than 0°C (32°F), otherwise water may become ice causing the water house to be blocked and the unit to stop operating.

Make sure to empty the bucket at least once a week when using the pump draining feature. When the pump draining feature is not being used, remove the pump drain hose from the outlet.

Care and Cleaning

Turn the dehumidifier off and disconnect the plug from the wall 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 unit. Doing so may cause an electrical shock, cause the insulation to deteriorate, or cause the unit to rust.
- The air intake and outlet may get dirty during operation, use a vacuum cleaner or brush to clean.

2. Clean the bucket

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

NOTE

Do not use a dishwasher to clean the bucket.

3. Clean the air filter

- To remove the filter, pull filter outwards (See Fig. 12).
- Wash the filter with clean water then dry.
- Re-install the filter, replace bucket.

CAUTION

DO NOT operate the dehumidifier without a filter to avoid loss of performance and damage to the unit.

4. When not using the unit for long time periods

- Before storing the unit, let it rest for one full day so that the system can dry out naturally.
- Clean the unit, water bucket and air filter.
- Cover the unit with a plastic bag.
- Store the unit upright in a dry, well-ventilated place.

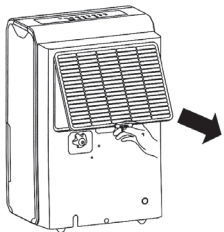


Fig. 12

Troubleshooting Tips

Before calling for service, review this list. It may save you time and money. This list includes common occurrences that are not the result of defective workmanship or materials in this appliance.

Problem	Solution
Unit does not start	Make sure the dehumidifiers plug is connected firmly into the wall aoutlet.
	Check the house fuse/circuit breaker box.
	Dehumidifier has reached its present level or bucket is full.
Dehumidifier does not dry the air as it should	Water bucket is not in the right position.
	Not 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.
The unit makes a loud noise when operating	Room temperature is too low, below 5°C (41°F).
	There is a water vapor source in the room
	Air filter may be dirty. Clean filter. Refer to Care and Cleaning section.
Frost appears on the coils	The unit is tilted instead of upright as it should be.
	The floor surface is not level.
Water on floor	This is normal. The dehumidifier has Auto defrost feature.
	Hose to connector or hose connection may be loose.
ES, AS, P2, EC, Eb and E3 appear in the display	Intended to use the bucket to collect water, but the back drain plug is removed.
	There are error codes and protection code. Check Operating Instructions.
The pump operation on light blinks at 1 Hz	Clean the pump filter.
	Check the pump hose is not blocked or leaking.
	Empty the water bucket.



804106484

PRINTED IN MEXICO
OBPN: 16120100A14792
MODEL: MAD50PS1WBL_B

Elbrd: Y.T.
SC: 07-02-2021_TAB

