

Installation and Setup

- This appliance is not intended for use by any persons (including children) with reduced or restricted physical, mental, or sensory capabilities, or lack of experience and knowledge, unless under the direct supervision of a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- Please keep plastic bags and sheets out of the reach of children as they might be mistakenly used for play. Packaging materials can become airtight chambers and may pose a risk of suffocation if not disposed of properly.
- Store and operate the appliance where it will not be exposed to temperatures below freezing (32°F) or excessive heat (above 90°F), or exposed to outdoor weather conditions.
- This product should be plugged directly into a power outlet. The power outlet should be properly rated, protected, and sized in order to avoid electrical overload. The appliance should be installed in accordance with national wiring regulations.
- Do not use a multiple-outlet power strip or extension cord with this dehumidifier. Failure to do so may result in short-circuit or electrical shock.
- Do not cut or remove the third (ground) prong from the power cord under any circumstances.
- When installing or moving the appliance, be careful not to punch, crush, or damage the power cord.
- If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or a similarly qualified person in order to avoid a hazard.
- Never attempt to operate this appliance if it is visibly damaged, malfunctioning, disassembled, or has missing or broken parts. This includes exposed wiring on a damaged cord or electrical plugin.
- Do not attempt to disassemble or repair any part of this appliance. All repairs and services must be performed by qualified service personnel.
- This appliance is intended for residential use. This product is not designed for preserving precision industrial or laboratory equipment, fragile works of art, or anything outside of a typical residential area.
- Chemicals and other solvents which are dissolved in the air (e.g. cleaning products, hair spray, air fresheners, perfumes, etc.) may cause the product to deform and become damaged.

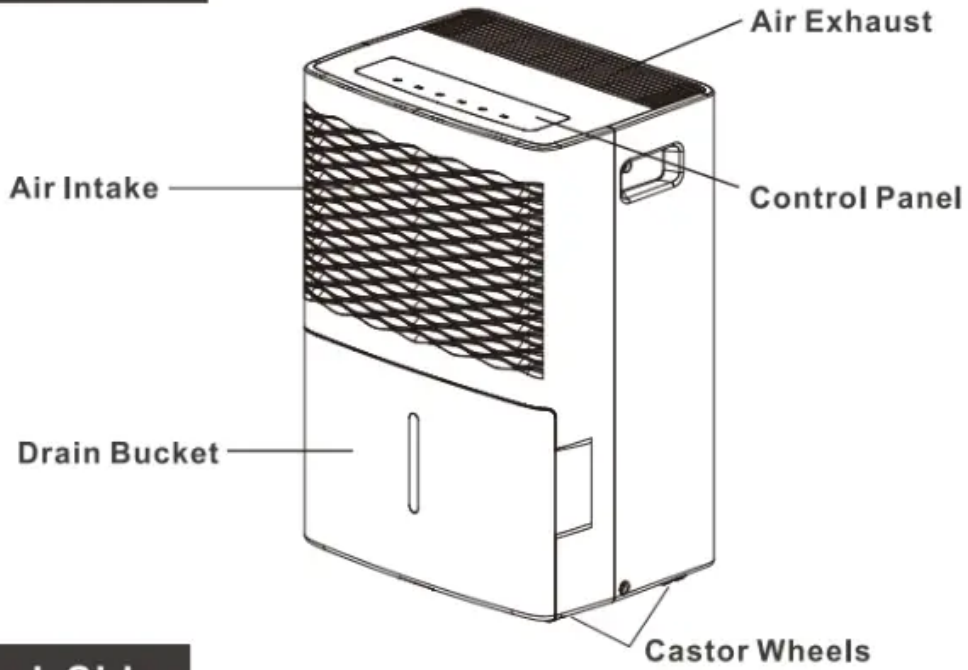
- This unit is rated to the level of IXPO in accordance with IEC 605269. This means that the unit should only be operated indoors, excluding rooms where laundry machines are present.

Operation

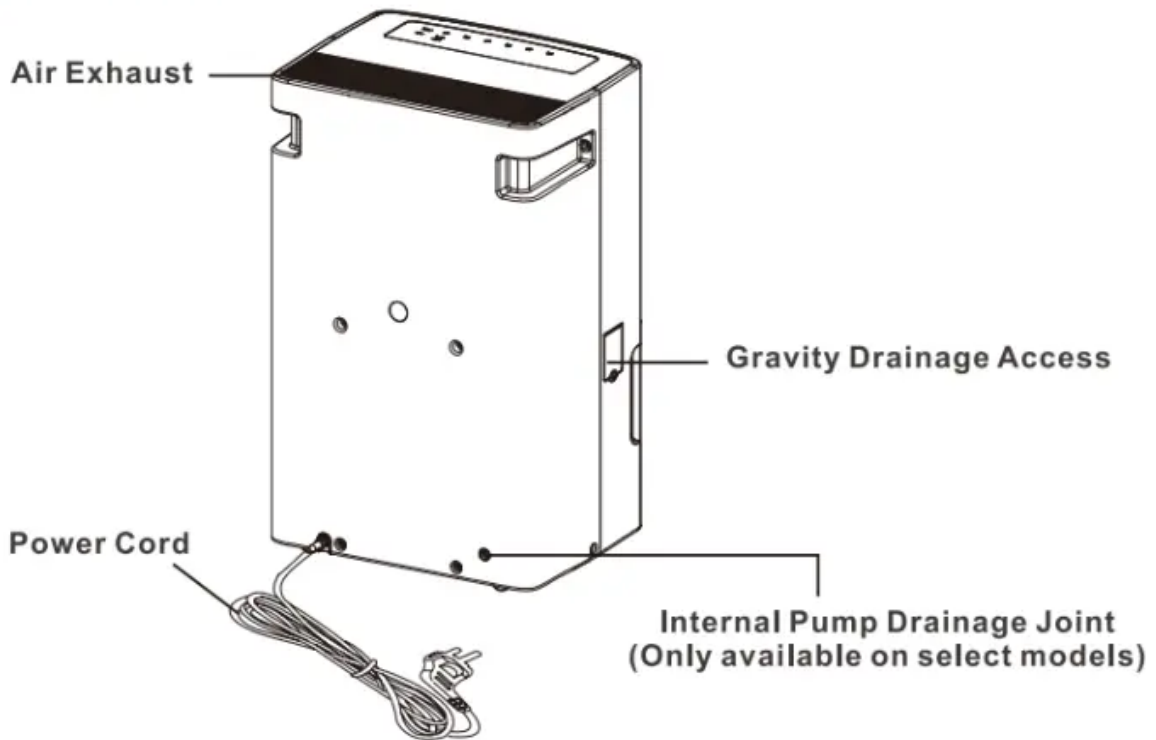
- To avoid the risk of electrical shock, do not grasp the power cord or the unit with wet hands, and avoid placing the product where it could be splashed with water.
- Avoid placing the unit itself or any other objects on top of the power cord, including rugs or carpeting.
- Keep air inlet/outlets free from obstruction and clean the filter regularly to ensure optimal and safe performance.
- Do not use this product in a small, enclosed space such as a closet. Poor ventilation could result in overheating or fire.
- Do not insert fingers or other objects into the air inlet or outlet. Not only is the internal fan running at high speeds, but there is also an increased risk of deadly electrical shock.
- Power off the dehumidifier and empty the water bucket before attempting to move the dehumidifier.
- Remove the power plug from the wall outlet if the product will not be used for extended periods.
- If the product makes a strange noise or emits a strange or smoky smell, immediately remove the power plug and contact customer service for the next steps.
- Use this appliance only in a well-ventilated area. Inadequate ventilation during operation may reduce the oxygen level in the air.
- Never unplug the unit by pulling on the power cord. Always grip the plug firmly and remove it straight from the power outlet.
- Turn off the dehumidifier and remove the power plug before cleaning or maintenance. Wait for the fan to stop moving.
- Do not operate the dehumidifier without a filter.

Parts

Front Side



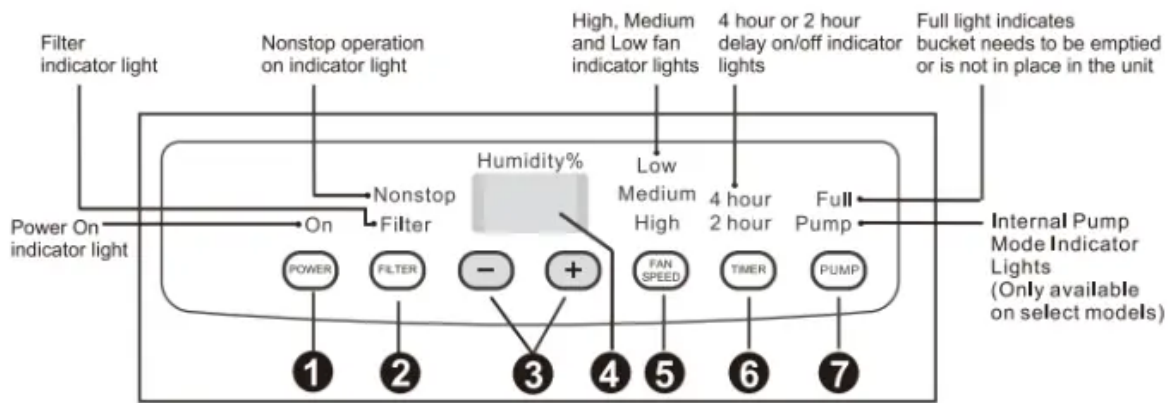
Back Side



Display Screen and Controls

Pump Model





- 1. Power Button:** Press to power the dehumidifier On or Off
- 2. Filter Button:** After 250 hours of operation, the Filter indicator will illuminate to remind you to remove and clean the filter.
- 3. Humidity Control Buttons (-/+):** The humidity level can be set in 5% increments from 35%-80% relative humidity. To activate nonstop operation, repeatedly press the pad until the screen reads "NS" The screen will read "NS" once you go below 35%.; Note about Nonstop mode: this option means that the dehumidifier will ignore the current humidity level and operate continuously. If you are using the drain bucket, the dehumidifier will stop operation once the bucket is full. If you are using the gravity drain or internal pump features, the unit will operate continuously.
- 4. Display Screen:** When using the -/+ buttons, this screen will display the target humidity setting you choose. After a few seconds, the screen will revert to show the current humidity level in your room with 5% accuracy.
- 5. Fan Speed:** Press to cycle through High, Medium, or Low fan modes. Higher fan speeds lead to increased moisture removal. When humidity has been reduced or quiet operation is preferred, set the fan to Medium or Low.
- 6. Timer: Delay off-**while the dehumidifier is in operation, press the timer pad to have the unit power off later in 2 or 4 hours; Delay on while the dehumidifier is not in operation (but plugged in), press the timer pad to have the unit power on later in 2 or 4 hours.
- 7. Pump (Only available on select models):** With the dehumidifier powered on and a 1/4 inch drain hose connected to the internal pump drainage joint, press and hold this button for 3 seconds to activate the internal pump mode. The Pump button on top of the unit will illuminate once this feature is activated; Note: If the Pump feature is powered on but there is no hose or drain plug inserted in the drainage joint, the unit will leak onto the floor.

Other Features

1. **Full Indicator Light:** Illuminates when the bucket is ready to be emptied or when the bucket is removed from the unit for an extended period. If the bucket is replaced incorrectly, the light will stay illuminated.
2. **Alarm Sound:** If the bucket is full or missing for more than 3 minutes an alarm will beep for 10 seconds to remind you to empty and/or replace the drain bucket.
3. **Auto Shut Off:** The unit will stop operation if the bucket is full or if the bucket is removed/ improperly installed.
4. **Auto Defrost Mode:** Through normal operation, frost may build on the evaporator coils. In this case, the compressor will power off while the fan stays running. You can usually tell if this is the case when the air exhaust emits cool air instead of warm air.
5. **Power Outage Restart:** In the event of a power outage or interruption, the unit will automatically revert to the last settings you choose before the power outage and restart operations.

Cleaning

Before cleaning, turn off the dehumidifier and disconnect the power cord from the power outlet. Do not spray or douse the dehumidifier with water, and do not use volatile liquids (e.g. gasoline, paint thinner, etc.) to clean the dehumidifier.

White Plastic Exterior: Wipe down the plastic areas by using a soft rag dipped in warm, soapy water. Do not use harsh chemicals (e.g. bleach) or abrasive pads.

Air Intake Grille: Use a dust catcher or vacuum nozzle attachment.

Water Bucket: Every few weeks you should clean the bucket to prevent the growth of bacteria, mold, and mildew. Partially fill the bucket with clean water and mild detergent and use a soft brush to scrub down the walls of the bucket. Do not use a dishwasher to clean the bucket as this may warp the plastic.

You will first need to remove the handle from the drain bucket.

Step 1: Remove the handle by aligning the two ends of the handle with the openings on the drain bucket lid.

GDN50BA-A3EBA2B GDN70BA-A3EBA2D
GDN70BA-A3EBA2C

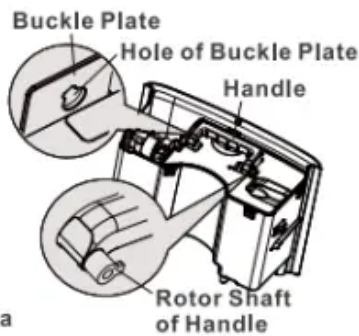
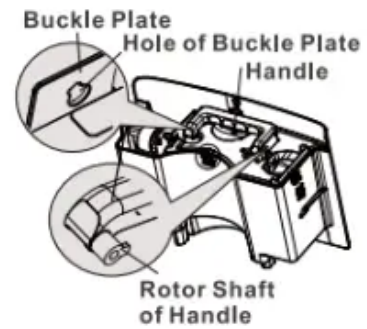


Fig.1a

GDN30AZ-A3EBA2C



Step 2: Remove the drain bucket lid by depressing the four (4) buckles on the

GDN50BA-A3EBA2B GDN70BA-A3EBA2D
GDN70BA-A3EBA2C

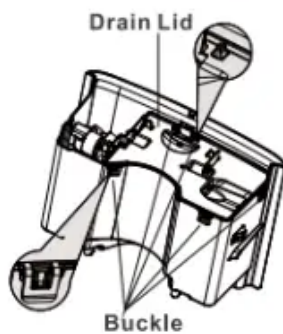
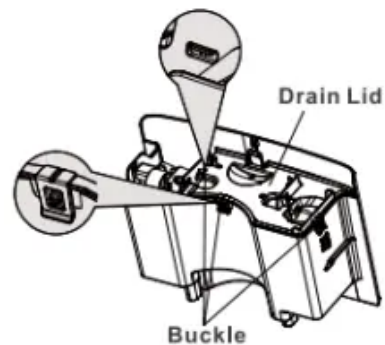


Fig.2a

GDN30AZ-A3EBA2C



Step 3: Remove the float from the drain lid.

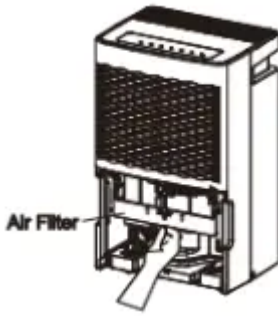
Air Filter

After 250 hours of operation, the Filter indicator light will illuminate on top of your dehumidifier. After cleaning the filter, place the Filter button again to reset the 250-hour timer. Do not forget to replace the filter before resuming operation. This may cause the evaporator coils to attract dust, which will harm the performance of your unit.

Clean the filter using warm, soapy water. Rinse thoroughly and air dry completely. Do not dry the air filter with a source of heat, such as a lighter or hair dryer, as this may damage the filter.

Filter access:

Remove the drain bucket. The Filter is a light white plastic tab near the bottom of the air intake grille. Pull the filter straight down to remove it.



Maintenance Checklists

Pre-Season Maintenance Checklist

- Check the power cord for any cuts or exposed wiring
- Check that the ground prong is on your power plug
- Clean the air filter
- Check that the drain hose is not damaged

Post-Season Maintenance Checklist

- Disconnect the unit from the power outlet
- Clean air filter and exterior case
- Empty and clean the water bucket
- Remove the drain hose and allow it to dry

Long-Term Storage Checklist

- Unplug the dehumidifier from the power outlet and wrap up the power cord
- Empty and clean the water bucket
- Wrap and/or cover the unit to prevent the accumulation of dust

Malfunction Codes

Code F1: Ambient Temperature Sensor Malfunction

- Compressor and fan motor stop; The buttons are invalid.
 - An ambient temperature sensor is loosen or is poorly connected with the terminal of the display board.
 - Some elements of the display board may have been put upside down and caused a short circuit.
 - An ambient temperature sensor is damaged(Please refer to Checking Table for Temperature Sensor Resistance).

- The display board is damaged.

Code F2: Tube Temperature Sensor Malfunction

- Compressor and fan motor stop; The buttons are invalid.
 - The temperature sensor on the evaporator is loosened or is poorly connected to the terminal of the display board.
 - Some elements of the display board may have been put upside down and caused a short circuit.
 - The temperature sensor on the evaporator is damaged (Please refer to Checking Table for Temperature Sensor Resistance).
 - The display board is damaged.

Code F5: Discharge Temperature Sensor Malfunction

- Compressor and fan motor stop; The buttons are invalid.
 - The temperature sensor on the evaporator is loosened or is poorly connected to the terminal of the display board.
 - Some elements of the display board may have been put up: and caused a short circuit.
 - A discharge temperature sensor is damaged (Please refer to Checking Table for Temperature Sensor Resistance).
 - The display board is damaged.

Code L1: Humidity Sensor Malfunction

- Compressor and fan motor stop; The buttons are invalid.
 - The humidity sensor is short-circuited.
 - The humidity sensor is damaged.
 - The display board is damaged.

Code F0: Freon-lacking protection

- The compressor stops; the fan motor stops after 30 seconds.
 - The refrigerant is leaking.
 - The system is blocked.
 - The ambient operation condition is bad.
 - The evaporator and condenser and blocked with filth.
 - The system is abnormal.

Code H3: High-temperature overload protection

- The compressor stops; the fan motor stops after 30 seconds.
 - The refrigerant leaking.
 - The system is blocked.
 - The ambient operation condition is bad.
 - The evaporator and condenser and blocked with filth.
 - The system is abnormal.

Code E4: High discharge temperature protection of compressor

- The compressor stops; the fan motor stops after 30 seconds.
 - Abnormal system (e.g.: blockage. etc).
 - Abnormal rotation speed of the motor.
 - Abnormal air intake.
 - The system is normal. but the compressor discharge temperature sensor is abnormal or poorly contacted.

Code E0: Pump Malfunction

- The compressor stops; the pump and the fan motor stop immediately.
 - The drain is blocked.
 - The water pump is broken.
 - The full light indicates out of order.

Troubleshooting

Not all the following problems are malfunctions.

A dehumidifier is not operating. Controls can not be set.

- Unit is operating in an area where the temperature is higher than 90°F (32°C) or lower than 41°F (5°C).
- A bucket is full.

The noise suddenly rises during operation.

- Noise will rise if the compressor has just started.
- Power supply problem.
- The unit is placed on an uneven floor.

Humidity does not drop.

- The area to be dehumidified is too large. The capacity of your dehumidifier may not be adequate.

Humidity does not drop.

- Doors are open.
- There might be some device producing vapor in the room.

Little or no effect in dehumidifying.

- The room temperature is too low.
- The humidity level may be improperly set.
- If the unit is operating in a room where the temperature is from 41°F to 59°F(5 °C to 15 °C). it will start to defrost automatically. Compressor stop for a brief period of time(the fan will operate at high fan speed).When the unit finishes defrosting. it will be back to normal operation.

When first operated. the air emitted has a musty odor.

- Due to the temperature rising of the heat exchanger. the air may have some strange smell at the beginning.

The unit has noises.

- There might be some noise if the unit is operating on a wooden floor.

Swooshing sound is heard.

- Normal. This is the sound of the flow of refrigerant.

The problem of Water Leakage.**When using a drain hose. there is water in the bucket.**

- Examine the drainage joint.
 - Connect the drainage joint well.
- The drain hose is not correctly installed.
 - Clear the obstacle from the drain hose.
- The drain hose is not correctly installed.
 - Remove the drain hose and replace it. Be sure that the hose is correctly installed.

The dehumidifier does not start.

The power indicator is not lit when power is connected.

- **Power is not supplied for the dehumidifier or the power plug is not well inserted.**
 - **Check if power is lost. If yes. wait for the power to restore.**
 - **If not. check whether the power circuit or power socket has been damaged.**
 - **Check whether the power plug is loose.**
 - **Check whether the power cord is damaged.**
- The fuse is blown.
 - Replace the fuse.

The bucket full indicator is lit up.

- The bucket is not properly placed.
- Water is full in the bucket.
- The bucket has been removed.
 - Empty the bucket and replace

The unit is powered on but is not dehumidifying the air.

- Humidity is set too high.
 - If you want the air drier. press the “-” button to lower the figure.

The dehumidifier does not dry air as intended.

Bad dehumidifying performance

- Check whether there is any obstacle around the unit.
 - Make sure there is no curtain. shutter or furniture that blocks the dehumidifier.
- The air filter is dusty or blocked.
 - Clean the filter.
- Doors and windows are left open.
 - Make sure all doors and windows and other openings to the outside have been closed.

- The room temperature is too low.
 - A warm temperature is good for dehumidification. Low temperature will reduce the unit's working effectively. This unit should be working in a place where the temperature is above 5°C(41°F).

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.