



Ceiling Mounted Desiccant Rotor
Multifunctional Dehumidifier

User Manual

For Models :

BRA • BRB • BRC • BRF • BIF

A teal-colored circle containing the text "For Customer Use Only" in a teal, sans-serif font, arranged in three lines.

For
Customer
Use Only

- Please read through this user manual carefully before using the product. Keep the manual in a secure place.
- To assure your rights and interests, please ask the dealer to specify the purchase date and dealer's name on the warranty
- Please follow the instructions as they appear in this manual and leave enough room to allow safe repair and service in the future.

Safety Instructions

Please read this guide carefully prior to operation.

The following symbols are used to indicate the level of danger resulting from incorrect use.



WARNING Incorrect use may result in death or serious injury.



CAUTION Incorrect use may result in injury or property damage.

Safety Precautions

- Stop unit operations when the power plug or power cord is damaged.
- Do not pour water, mildew remover, basic cleaning solution, thinner, or volatile chemicals directly on the unit or wall panel, as this may cause malfunction, electric shock or burn.
- Please do not insert foreign objects into the supply and return openings to prevent electric shock, fire, unit malfunction or other bodily injuries.
- Please do not place any dust cover or netting to prevent unit malfunction or fire.
- Do not use flammable aerosol near the unit, as this may cause a fire.
- When cleaning the unit, make sure safety precaution is taken to prevent falling due to slippage. Do not stand at the edge of bathtubs or stools. Make sure you are standing on flat and stable surfaces.
- Please do not touch the cover and supply grille as they will remain hot during and immediately after unit operations to avoid burning injuries.
- In the event of a gas leak, please stop the operation of the unit and open all doors and windows to prevent explosions or fires.
- Please do not operate the unit near flammable chemicals and gasoline to avoid fires, combustions and injuries.
- Terminate operations and switch off from the switchboard when there is lightning to prevent malfunction. Switch back when lightning has stopped.
- This unit is not intended for use by persons with physical or intellectual disability, persons who are inexperienced or with a lack of knowledge (including children), unless under the safe guidance or supervision of a guardian in charge.
- Please keep this item safe and out of reach of children and those without the ability to determine dangers.
- Children should be supervised to ensure they do not play with such electronics.
- Consumers should use extra precaution and pay attention when using this product.
- During prolonged unit inactivity, switch off the unit at the switchboard to prevent fire or electrical leakage.

- Use this unit only in the manner intended by the manufacturer.

Cleaning, Maintenance

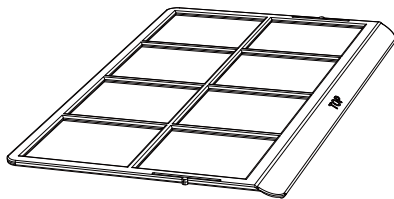
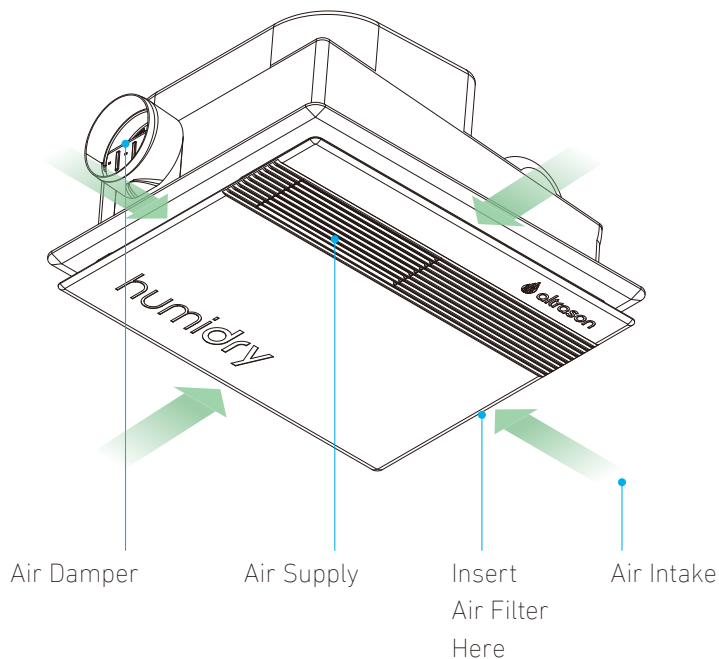
- Before servicing or cleaning unit, switch off the unit to prevent electric shock or bodily injuries.
- Wipe with damp cloth to clean the wall panel to avoid damaging wall panel or causing malfunction.
- Place the filter somewhere dark and dry after cleaning for drying to avoid damaging, warping, or color changing.
- Please inspect the unit regularly to avoid personal injuries due to unit malfunction.
- Maintenance work must be done by qualified person(s). Please contact your dealer, authorized repair service professional, or the manufacturer to schedule your maintenance work. Please refer to the last page for service information.

Operations

- To ensure the unit is functioning properly, make sure there is airflow into the room. Slightly open the door if the room is airtight.
- Stop unit operations when bath salt is used to prevent powders from being sucked into the unit.
- Room temperature may rise during unit operations such as smart room heating, which may cause certain items to deform.
- Heating may be hindered as room temperature may be affected by other environmental factors. These factors may include location and size of the room, window size, insulation and other conditions.
- For children, elderly and individuals more susceptible to heat-related illness, supervision is recommended or that the unit be turned off to prevent accidents.
- Please remove metal objects during smart room heating, enhanced dehumidification and smart cloth drying to avoid burns.
- Do not hang clothes directly on the unit to avoid electric shock, injuries or damaging the unit. Do not touch the unit or hanging rod for clothes during cloth drying to avoid burns.

Component Descriptions

HumiDry®



Air Filter (Washable)

HumiDry® Wall Panel

※ For wall panel version



Mode:

Timer / Auto / Always On



Dehumidification / Clothes Drying Progress:

Will only display during Auto Cool Air Dehumidification, Enhanced Dehumidification and Smart Clothes Drying.



Humidity Indicator:

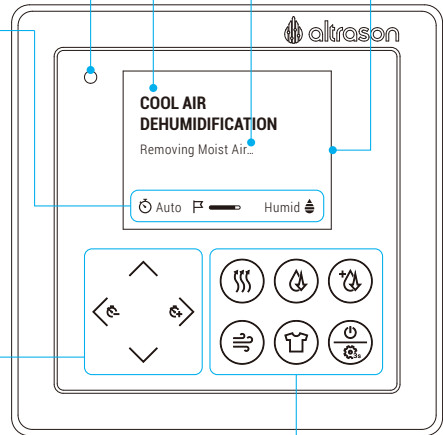
Dry / Ideal / Moist / Humid

LED Indicator

Current Status

Function

Display



Directional Key



Timer Decrease



Timer Increase

BRA, BRB, BRC Series



Smart Room Heating



Cool Air Dehumidification



Enhanced Dehumidification



Air Circulation

- Vent Air
- Indoor Air



Smart Clothes Drying



Power Off Settings

(Hold for 3 Sec)

BRF Series



Cool Air Dehumidification



Air Circulation

- Vent Air
- Indoor Air



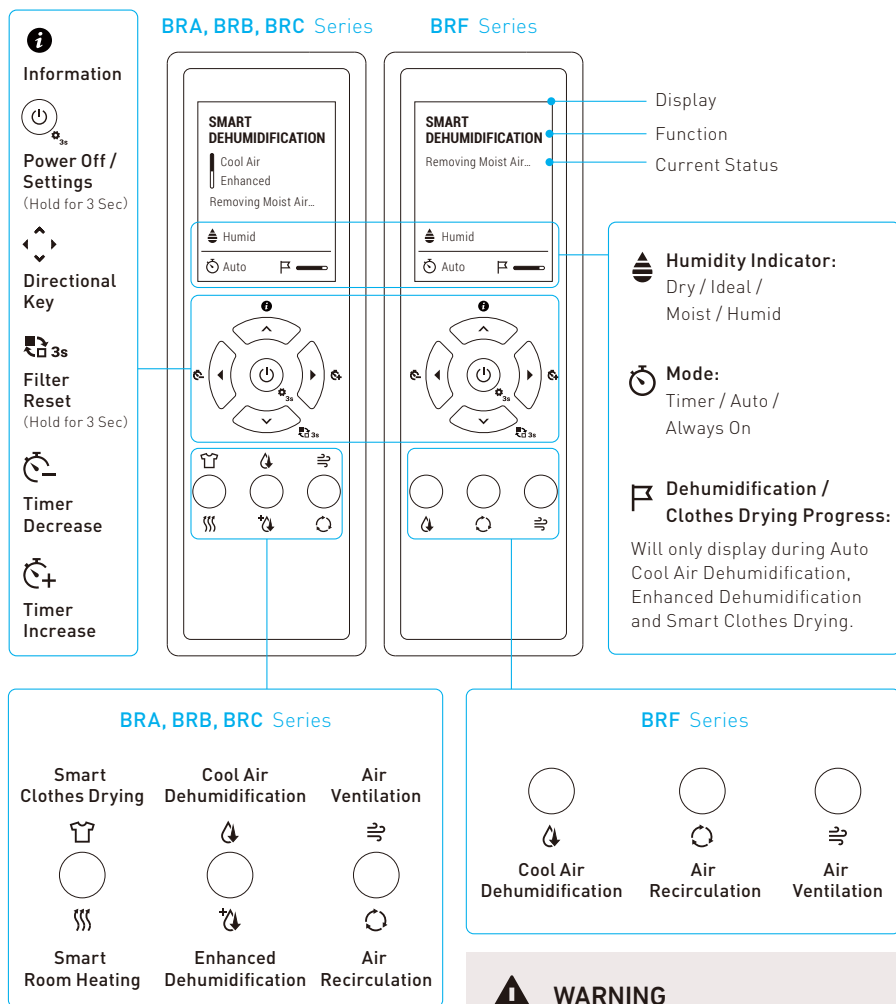
Power Off Settings

(Hold for 3 Sec)

※ BIF Series only has Cool Air Dehumidification, Preset Auto mode, and does not include a touchscreen wall panel.

HumiDry® Remote Control

※ For remote control version



※ BIF Series only has Cool Air Dehumidification, Preset Auto mode, and does not include remote control.

- Aim the remote at the IR receiver and press the button. A beeping sound indicates normal operation. If there is no beeping sound, press again.
- The remote will enter sleep mode after 15 seconds of inactivity to save battery life. Pick up the remote to wake up from sleep.

⚠ WARNING

- Keep batteries out of reach of children as they can be choking hazards.
- Remove the battery for extended periods of non-usage.
- Battery leaks may cause damages, rinse well if it comes into contact with your skin, eye, or mouth, and seek medical attention.
- Remove used batteries immediately for recycle.
- Do not recharge batteries.
- Do not mix batteries of different brands or types.

Function/Controls

Smart Room Heating

For BRA, BRB, BRC Series



- Press the "Smart Room Heating" button to start sending warm air into the room.
- Unit will stop at the end of the default running time of 1 hour.
- Press the left or right button to change the run time. There are 5 preset selections of 1, 1.5, 2, 2.5, and 3 hours.
- Pressing the Power Off button to stop unit operation.
- Refer to page 2 for more information on operating Smart Room Heating.

Cool Air Dehumidification

For BRA, BRB, BRC, BRF Series



- After pressing the "Cool Air Dehumidification" button, the unit will calculate the optimal humidity level based on the conditions indoors and operate until the goal is reached. During dehumidification, the room temperature will stay constant.
- Default is set to auto, under which the unit will go into monitoring once the target is reached. Dehumidification restarts automatically when indoor conditions change.
- Press the left or right button to change the run time. There are 5 preset selections of 1, 2, 4, 8, and 12 hours.
- Pressing the Power Off button to stop unit operation.

Enhanced Dehumidification

For BRA, BRB, BRC Series



- After pressing the "Enhanced Dehumidification" button, the unit will calculate the optimal humidity level based on the conditions indoors and operate until the goal is reached. During dehumidification, the room temperature will raise slightly.
- Default is set to auto, under which the unit will go into monitoring once the target is reached. Dehumidification restarts automatically when indoor conditions change.
- Press the left or right button to change the run time. There are 5 preset selections of 1, 2, 4, 8, and 12 hours.
- Pressing the Power Off button to stop unit operation.
- Refer to page 2 for more information on operating Enhanced Dehumidification.

Air Circulation – Vent Air or Air Ventilation

For BRA, BRB, BRC, BRF Series



- After pressing "Air Circulation" button, press the button again or use the up/down buttons to switch to Ventilation. Stale, stuffy and humid air is drawn outside the room via exhaust ducts to improve indoor air quality.
- Default is set to run continuous (24 hours non-stop).
- Press the left or right button to change the run time. There are 5 preset selections of 1, 2, 4, 8, and 12 hours.
- Pressing the Power Off button to stop unit operation.
- Ensure that air can flow inside. Open the door slightly if you have to.

Air Circulation – Indoor Air or Air Recirculation

For BRA, BRB, BRC, BRF Series



Wall
Panel



Remote
Control

- After pressing "Air Circulation" button, press the button again or use the up/down buttons to switch to Re-Circulation. Air circulates continuously inside.
- Default is set to run continuous (24 hours non-stop).
- Press the left or right button to change the run time. There are 5 preset selections of 1, 2, 4, 8, and 12 hours.
- Pressing the Power Off button to stop unit operation.

Smart Clothes Drying

For BRA, BRB, BRC Series



- After pressing the "Smart Clothes Drying" button, the unit will calculate the optimal humidity level based on the conditions indoors and commence clothes drying. Room temperature will rise during clothes drying.
- Default is set to auto, under which the unit will go into monitoring once the target is reached.
- Press the left or right button to change the run time. There are 5 preset selections of 1, 2, 4, 8, and 12 hours.
- Pressing the Power Off button to stop unit operation.
- It is advised that hand washed clothes are drained and spun for at least 5 minutes before hanging to reduce the operation time of Smart Clothes Drying.
- Refer to page 2 for more information on operating Enhanced Dehumidification.

Power Off/ Settings

For BRA, BRB, BRC, BRF Series



Wall Panel



Remote
Control

- Unit stops current action and goes into Powered Off after pressing this button.
- To enter the Settings menu, hold Settings button for 3 seconds. Use the directional buttons to select and configure the unit as you desire.

Setting Item	Description
Language	English/ Traditional Chinese/ Simplified Chinese/ Japanese/ Korean
Humidity Preference	Lower/Normal/Higher. Default is set to "Normal". Humidity Preference only applies to dehumidification functions set to auto.
Power Lost Resume	Yes/No. Default is set to "Yes". Activate this to allow resumption of the unit's action prior to blackouts.
Resume to Auto	Yes/No. Default is set to "No". Activating this will allow for the last auto dehumidification function to resume in the event of switching between functions, e.g., switching to Air Circulation function during Auto Cool Air Dehumidification when "Resume to Auto" is set to "Yes" will revert the unit back to Auto Cool Air Dehumidification once the Air Circulation job is finished.

Information

(Only for the Remote Control)

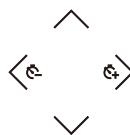


- By pressing the "Information" button during any function, the remote will display current unit status and humidity indicator.
- Progress bar will also appear if running in auto for "Cool Air Dehumidification, Enhanced Dehumidification and Smart Clothes Drying.
- A flashing IR receiver indicates time for filter cleaning, press the "Information" button and follow the on screen instructions. Flashing will stop when the filter is placed back into the unit and reset.

Filter Reset

Wall Panel

- When the screen displays "Please clean the filter" : Reminder notice will disappear if the user chooses "Remind me later" . The user will be prompted after additional 120 hours of usage.
- Please refer to "Cleaning your filter" page for instructions on how to clean your filter. Select "Filter cleaned" after placing the clean filter back into the unit and confirm by selecting the right button.

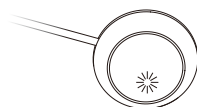


Right button: Reset
Up/Down button: Select

Remote Control

A reminder will appear when it is time to clean the filter when the "Information" button is pressed. Please refer to "Cleaning the filter" page for instructions on how to clean the filter. After the clean filter is placed back into the unit, press the "Reset" button for 3 seconds while aiming at the IR receiver. The reminder screen will disappear and the flashing LED stopped with a successful reset.

- 1 Flashing LED displays on the IR receiver.
- 2 Press **i** button and a reminder appears on the screen.

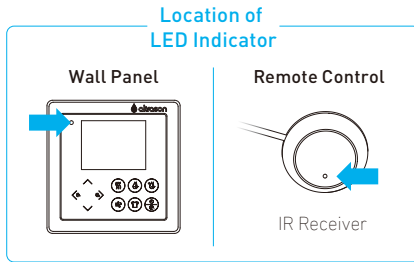


- 3 Refer to "Cleaning the Filter" page for instructions on how to clean the filter. After place the clean filter back into the unit, press  button for 3 seconds to reset the filter.



LED Indicator

- LED will display different color depending on the different functions.
- LED Indicator is on the upper left of the wall panel and on the IR receiver.



Only applicable when target is reached and unit in auto

Only applies to remote control version

Light	Status
○ None	Powered Off
● Pink	Smart Room Heating
● Light Blue	Cool Air Dehumidification
● Orange	Enhanced Dehumidification
● Light Green	Air Circulation
● Orange Yellow	Smart Clothes Drying
● Blue	Standby Monitoring
✳ Flashing LED	Clean Filter Reminder

Specification

Model Number		BRA-220V	BRB-220V	BRC-110V	BRF-110V BRF-220V	BIF-110V BIF-220V
Frequency		50Hz/60Hz				
Maximum Power Consumption	Standby Monitoring	0.004kW	0.004kW	0.004kW	0.004kW	0.004kW
	Cool Air Dehumidification	0.5kW	0.5kW	0.5kW	0.5kW	0.5kW
	Enhanced Dehumidification	1.30kW	1.30kW	1.20kW	—	—
	Smart Clothes Drying	1.30kW	1.30kW	1.20kW	—	—
	Smart Room Heating	1.70kW	1.70kW	1.50kW	—	—
	Air Ventilation	0.05kW	0.03kW	0.05kW	0.03kW	—
	Air Recirculation	0.05kW	0.03kW	0.05kW	0.03kW	—
Weight		7.2 KG	7.2 KG	7.2 KG	6.8 KG	6.8 KG

Cleaning the Filter

Clean Filter Reminder:

- The unit will remind you when it is time to clean the filter. Please clean the filter as soon as possible when the reminder appears.
 - Use clean water to rinse the filter or a vacuum to clean the filter. In the event of major stain, please use neutral cleaner for cleaning and place back into the unit after drying. The words "TOP" should face up when replacing the filter as it has directionality.
- ※ **Read carefully the safety precautions on page 2 about cleaning the filter.**



WARNING

Make sure the power is shut off before cleaning the filter.

Troubleshooting

Please stop unit operations and contact qualified technicians when the issue cannot be fixed as described in this section. Switching off the circuit breaker to ensure power is completely cut off.

Problem	Possible Cause	Correction
Unit failed to start	Unit not powered	Please check to make sure the breaker and power lines are connected, power cord plugged.
	Unit and wall panel not connected	Make sure the LED indicator is displaying normally and check the connection of the cable to the Unit and the Wall Panel.
Vibration or abnormal noise	Insufficient ceiling strength	Make sure the unit is securely mounted on suitable material in the ceiling.
	Insecure installation	Secure the screws.
	PTC crackling sound	PTC heater will activate during Smart Room Heating, Enhanced Dehumidification, or Smart Clothes Drying, which may create a sound due to heating and cooling of air around the PTC. Not a malfunction.
Unable to control with Wall Panel	Controlling the Wall Panel with wet hands	Please dry your hands.
	Bad Wall Panel connection due to loose wire	Unplug the Wall Panel and plug it back in.
Unable to control with Remote Control	Remote Control doesn't have enough power	Change new batteries.
	Batteries installed incorrectly	Make sure the battery direction is correct.

Declaration of the Presence Condition of the Restricted Substances Marking

Equipment name:

**Ceiling Mounted Desiccant Rotor
Multifunctional Dehumidifier**

Model:

BRA, BRB, BRC, BRF, BIF

Unit	Restricted substances and its chemical symbols					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr+6)	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Electrical wires (Power cord, other electrical wires)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
PCB	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Motors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Electrical Components	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mechanical Components	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Note 1: "Exceeding 0.1 wt %" and "exceeding 0.01 wt %" indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.

Note 2: "○" indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.

Note 3: The "-" indicates that the restricted substance corresponds to the exemption.



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