

# KAISAI

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**INSTRUKCJA OBSŁUGI**  
KLIMATYZATOR PRZYPODŁOGOWO-PODSTROPOWY



**OWNER'S MANUAL**  
FLOOR/CEILING AIR CONDITIONER



**BEDIENUNGSANLEITUNG**  
DECKEN- BODEN- KLIMAANLAGE



# FLOOR/CEILING AIR CONDITIONER

## Owner's Manual

Thank you for choosing our product.  
For proper operation, please read and keep this manual carefully.

If you have lost the Owner's Manual, please contact the local agent or visit [www.kaisai.com](http://www.kaisai.com) or sent email to: [handlowy@kaisai.com](mailto:handlowy@kaisai.com), for electronic version.

Problem	Prawdopodobne przyczyny	Rozwiązanie
Urządzenie nie działa	Awaria zasilania	Poczekaj na przywrócenie zasilania
	Zasilanie jest wyłączone	Włącz zasilanie
	Bezpiecznik jest przepalony	Wymień bezpiecznik
	Baterie pilota są wyczerpane	Wymień baterie
	Zostało aktywowane 3-minutowe zabezpieczenie urządzenia.	Odczekaj trzy minuty po ponownym uruchomieniu urządzenia
Urządzenie często się uruchamia i zatrzymuje	Timer jest aktywny	Wyłączyć timer
	W układzie jest za dużo lub za mało czynnika chłodniczego	Sprawdź, czy nie ma wycieków i uzupełnić układ czynnikiem chłodniczym.
	Do układu dostał się nieściśliwy gaz lub wilgoć.	Opróżnić i napełnić układ czynnikiem chłodniczym
	Obwód systemu jest zablokowany	Ustalić, który obwód jest zablokowany i wymienić wadliwie działający element wyposażenia
	Sprężarka jest zepsuta	Wymienić sprężarkę
Słaba wydajność ogrzewania	Napięcie jest za wysokie lub za niskie	Zainstaluj manostat do regulacji napięcia
	Temperatura zewnętrzna jest bardzo niska	Zastosowanie dodatkowego urządzenia grzewczego
	Zimne powietrze dostaje się przez drzwi i okna	Upewnij się, że wszystkie drzwi i okna są zamknięte podczas użytkowania
	Niski poziom czynnika chłodniczego spowodowany nieuszczelnnością lub długotrwałym użytkowaniem	Sprawdź szczelność, w razie potrzeby ponownie uszczelnij i uzupełnij czynnikiem chłodniczym
	Urządzenie może przestać działać lub kontynuować bezpieczną pracę. Jeśli lampki kontrolne nadal migają lub pojawiają się kody błędów, należy odczekać około 10 minut. Problem może ustąpić sam. Jeśli nie, odłącz zasilanie, a następnie podłącz je ponownie. Włącz urządzenie. Jeśli problem nadal występuje, odłącz zasilanie i skontaktuj się z najbliższym centrum obsługi klienta.	
Lampki sygnalizacyjne nadal migają		
Na wyświetlaczu jednostki wewnętrznej pojawia się kod błędu, który zaczyna się od następujących liter:		

**UWAGA:** Jeśli po wykonaniu powyższych czynności kontrolnych i diagnostycznych problem nadal występuje, należy natychmiast wyłączyć urządzenie i skontaktować się z

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## Safety Precautions

### Read Safety Precautions Before Operation and Installation

**Incorrect installation due to ignoring instructions can cause serious damage or injury.** The seriousness of potential damage or injuries is classified as either a **WARNING** or **CAUTION**.



#### WARNING

This symbol indicates the possibility of personnel injury or loss of life.



#### CAUTION

This symbol indicates the possibility of property damage or serious consequences.

#### WARNING

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision (European Union countries)

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.



#### WARNINGS FOR PRODUCT USE

- If an abnormal situation arises (like a burning smell), immediately turn off the unit and disconnect the power. Call your dealer for instructions to avoid electric shock, fire or injury.
- **Do not** insert fingers, rods or other objects into the air inlet or outlet. This may cause injury, since the fan may be rotating at high speeds.
- **Do not** use flammable sprays such as hair spray, lacquer or paint near the unit. This may cause fire or combustion.
- **Do not** operate the air conditioner in places near or around combustible gases. Emitted gas may collect around the unit and cause explosion.
- **Do not** operate your air conditioner in a wet room such as a bathroom or laundry room. Too much exposure to water can cause electrical components to short circuit.
- **Do not** expose your body directly to cool air for a prolonged period of time.
- **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 used together with burners or other heating devices, thoroughly ventilate the room to avoid oxygen deficiency.
- In certain functional environments, such as kitchens, server rooms, etc., the use of specially designed air-conditioning units is highly recommended.

## CLEANING AND MAINTENANCE WARNINGS

- Turn off the device and disconnect the power before cleaning. Failure to do so can cause electrical shock.
- **Do not** clean the air conditioner with excessive amounts of water.
- **Do not** clean the air conditioner with combustible cleaning agents. Combustible cleaning agents can cause fire or deformation.

## ⚠ CAUTION

- Turn off the air conditioner and disconnect the power if you are not going to use it for a long time.
- Turn off and unplug the unit during storms.
- Make sure that water condensation can drain unhindered from the unit.
- **Do not** operate the air conditioner with wet hands. This may cause electric shock.
- **Do not** use device for any other purpose than its intended use.
- **Do not** climb onto or place objects on top of the outdoor unit.
- **Do not** allow the air conditioner to operate for long periods of time with doors or windows open, or if the humidity is very high.

## ⚠ ELECTRICAL WARNINGS

- Only use the specified power cord. 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.
- Keep power plug clean. Remove any dust or grime that accumulates on or around the plug. Dirty plugs can cause fire or electric shock.
- **Do not** pull power cord to unplug unit. Hold the plug firmly and pull it from the outlet. Pulling directly on the cord can damage it, which can lead to fire or electric shock.
- **Do not** modify the length of the power supply cord or use an extension cord to power the unit.
- **Do not** share the electrical outlet with other appliances. Improper or insufficient power supply can cause fire or electrical shock.
- The product must be properly grounded at the time of installation, or electrical shock may occur.
- For all electrical work, follow all local and national wiring standards, regulations, and the Installation Manual. Connect cables tightly, and clamp them securely to prevent external forces from damaging the terminal. Improper electrical connections can overheat and cause fire, and may also cause shock. All electrical connections must be made according to the Electrical Connection Diagram located on the panels of the indoor and outdoor units.
- All wiring must be properly arranged to ensure that the control board cover can close properly. If the control board cover is not closed properly, it can lead to corrosion and cause the connection points on the terminal to heat up, catch fire, or cause electrical shock.
- If connecting power to fixed wiring, an all-pole disconnection device which has at least 3mm clearances in all poles, and have a leakage current that may exceed 10mA, the residual current device(RCD) having a rated residual operating current not exceeding 30mA, and disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.

## TAKE NOTE OF FUSE SPECIFICATIONS

The air conditioner's circuit board (PCB) is designed with a fuse to provide overcurrent protection. The specifications of the fuse are printed on the circuit board, such as: T5A/250VAC, T10A/250VAC, T20A/250VAC, T30A/250VAC etc.

**NOTE:** For the units with R32 or R290 refrigerant, only the blast-proof ceramic fuse can be used.

## ⚠ WARNINGS FOR PRODUCT INSTALLATION

1. Installation must be performed by an authorized dealer or specialist. Defective installation can cause water leakage, electrical shock, or fire.
2. Installation must be performed according to the installation instructions. Improper installation can cause water leakage, electrical shock, or fire.  
(In North America, installation must be performed in accordance with the requirement of NEC and CEC by authorized personnel only.)
3. Contact an authorized service technician for repair or maintenance of this unit. This appliance shall be installed in accordance with national wiring regulations.
4. Only use the included accessories, parts, and specified parts for installation. Using non-standard parts can cause water leakage, electrical shock, fire, and can cause the unit to fail.
5. Install the unit in a firm location that can support the unit's weight. If the chosen location cannot support the unit's weight, or the installation is not done properly, the unit may drop and cause serious injury and damage.
6. Install drainage piping according to the instructions in this manual. Improper drainage may cause water damage to your home and property.
7. For units that have an auxiliary electric heater, **do not** install the unit within 1 meter (3 feet) of any combustible materials.
8. **Do not** install the unit in a location that may be exposed to combustible gas leaks. If combustible gas accumulates around the unit, it may cause fire.
9. Do not turn on the power until all work has been completed.
10. When moving or relocating the air conditioner, consult experienced service technicians for disconnection and reinstallation of the unit.
11. How to install the appliance to its support, please read the information for details in "indoor unit installation" and "outdoor unit installation" sections.

## Note about Fluorinated Gases(Not applicable to the unit using R290 Refrigerant)

1. This air-conditioning unit contains fluorinated greenhouse gasses. For specific information on the type of gas and the amount, please refer to the relevant label on the unit itself or the "Owner's Manual - Product Fiche" in the packaging of the outdoor unit. (European Union products only).
2. Installation, service, maintenance and repair of this unit must be performed by a certified technician.
3. Product uninstallation and recycling must be performed by a certified technician.
4. For equipment that contains fluorinated greenhouse gases in quantities of 5 tonnes of CO<sub>2</sub> equivalent or more, but of less than 50 tonnes of CO<sub>2</sub> equivalent, if the system has a leak-detection system installed, it must be checked for leaks at least every 24 months.
5. When the unit is checked for leaks, proper record-keeping of all checks is strongly recommended.



### WARNING for Using R32/R290 Refrigerant

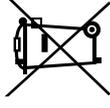
- When flammable refrigerant are employed, appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.  
For R32 frigerant models:  
Appliance shall be installed, operated and stored in a room with a floor area larger than X m<sup>2</sup>.  
Appliance shall not be installed in an unvertilated space, if that space is smaller than X m<sup>2</sup> (Please see the following form).

Model (Btu/h)	Amount of refrigerant to be charged (kg)	maximum installation height (m)	Minimum room area (m <sup>2</sup> )
<30000	<2,048	1,8m	4
<30000	<2,048	0,6m	35
30000-48000	2,048-3,0	1,8m	8
30000-48000	2,048-3,0	0,6m	80
>48000	>3,0	1,8m	9
>48000	>3,0	0,6m	80

- Reusable mechanical connectors and flared joints are not allowed indoors. (EN Standard Requirements).
- Mechanical connectors used indoors shall have a rate of not more than 3g/year at 25% of the maximum allowable pressure. When mechanical connectors are reused indoors, sealing parts shall be renewed. When flared joints are reused indoors, the flare part shall be re-fabricated. (UL Standard Requirements)
- When mechanical connectors are reused indoors, sealing parts shall be renewed. When flared joints are reused indoors, the flare part shall be re-fabricated. (IEC Standard Requirements)
- Mechanical connectors used indoors shall comply with ISO 14903.

### European Disposal Guidelines

This marking shown on the product or its literature, indicates that waste electrical and eletrical equipment should not be mixed with general household waste.



**Correct Disposal of This Product**  
(Waste Electrical & Electronic Equipment)

This appliance contains refrigerant and other potentially hazardous materials. When disposing of this appliance, the law requires special collection and treatment. **Do not** dispose of this product as household waste or unsorted municipal waste.

When disposing of this appliance, you have the following options:

- Dispose of the appliance at designated municipal electronic waste collection facility.
- When buying a new appliance, the retailer will take back the old appliance free of charge.
- The manufacturer will take back the old appliance free of charge.
- Sell the appliance to certified scrap metal dealers.

#### Special notice

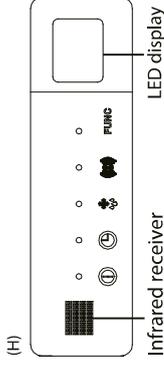
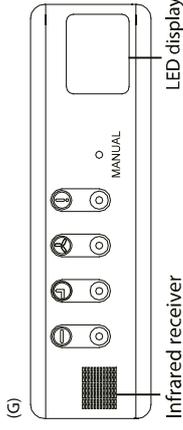
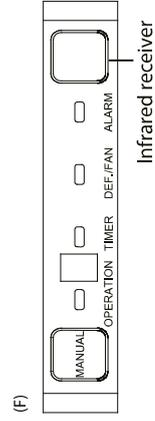
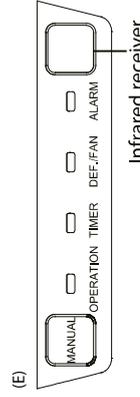
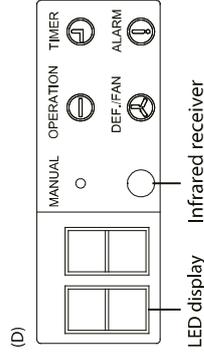
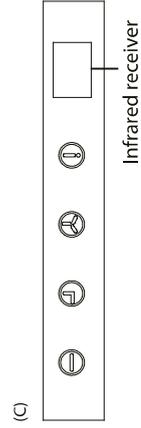
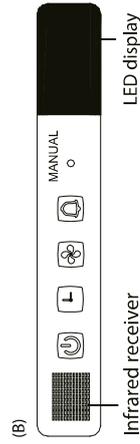
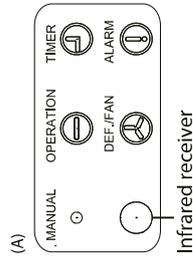
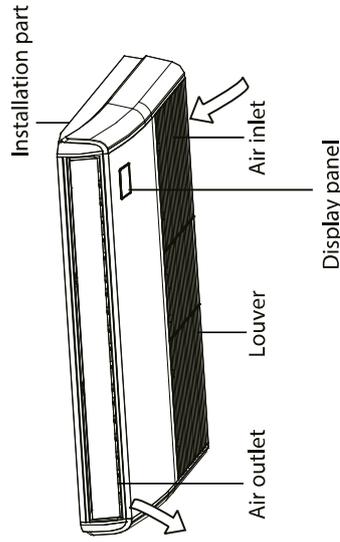
Disposing of this appliance in the forest or other natural surroundings endangers your health and is bad for the environment. Hazardous substances may leak into the ground water and enter the food chain.

# Unit Specifications and Features

## Indoor unit display

**NOTE:** Different models have different display panel. Not all the indicators describing below are available for the air conditioner you purchased. Please check the indoor display panel of the unit you purchased. Illustrations in this manual are for explanatory purposes. The actual shape of your indoor unit may be slightly different. The actual shape shall prevail.

This display panel on the indoor unit can be used to operate the unit in case the remote control has been misplaced or is out of batteries.



- **MANUAL button** : This button selects the mode in the following order: AUTO, FORCED COOL, OFF, FORCED COOL mode : In FORCED COOL mode, the Operation light flashes. The system will then turn to AUTO after it has cooled with a high wind speed for 30 minutes. The remote control will be disabled during this operation.
- **OFF mode** : The unit turns off.

- **Operation indicator** : OPERATION
- **Timer indicator** : TIMER
- **PRE-DEF indicator** : (pre-heating/defrost) DEF./FAN
- **Alarm indicator** : ALARM
- **Func button** : FUNC

## Operating temperature

When your air conditioner is used outside of the following temperature ranges, certain safety protection features may activate and cause the unit to disable.

### Inverter Split Type

	COOL mode	HEAT mode	DRY mode
Room Temperature	17°C - 32°C (62°F - 90°F)	0°C - 30°C (32°F - 86°F)	10°C - 32°C (50°F - 90°F)
Outdoor Temperature	0°C - 50°C (32°F - 122°F)	-15°C - 24°C (5°F - 75°F) (For models with low temp. cooling systems.)	0°C - 50°C (32°F - 122°F)
	0°C - 52°C (32°F - 126°F) (For special tropical models)		0°C - 52°C (32°F - 126°F) (For special tropical models)

### FOR OUTDOOR UNITS WITH AUXILIARY ELECTRIC HEATER

When outside temperature is below 0°C (32°F), we strongly recommend keeping the unit plugged in at all time to ensure smooth ongoing performance.

### Fixed-speed Type

	COOL mode	HEAT mode	DRY mode
Room Temperature	17°C-32°C (62°F-90°F)	0°C-30°C (32°F-86°F)	10°C-32°C (50°F-90°F)
Outdoor Temperature	18°C-43°C (64°F-109°F)	-7°C-24°C (19°F-75°F)	11°C-43°C (52°F-109°F)
	-7°C-43°C (19°F-109°F) (For models with low-temp cooling systems)		18°C-43°C (64°F-109°F)
	18°C-52°C (64°F-126°F) (For special tropical models)		18°C-52°C (64°F-126°F) (For special tropical models)

**NOTE:** Room relative humidity less than 80%. If the air conditioner operates in excess of this figure, the surface of the air conditioner may attract condensation. Please sets the vertical air flow louver to its maximum angle (vertically to the floor), and set HIGH fan mode.

To further optimize the performance of your unit, do the following:

- Keep doors and windows closed.
- Limit energy usage by using TIMER ON and TIMER OFF functions.
- Do not block air inlets or outlets.
- Regularly inspect and clean air filters.

## Other features

### Default Setting

When the air conditioner restarts after a power failure, it will default to the factory settings (AUTO mode, AUTO fan, 24°C (76°F)). This may cause inconsistencies on the remote control and unit panel. Use your remote control to update the status.

### Auto-Restart (some models)

In case of power failure, the system will immediately stop. When power returns, the Operation light on the indoor unit will flash. To restart the unit, press the **ON/OFF** button on the remote control. If the system has an auto restart function, the unit will restart using the same settings.

### Louver Angle Memory Function (some models)

Some models are designed with a louver angle memory function. When the unit restarts after a power failure, the angle of the horizontal louvers will automatically return to the previous position. The angle of the horizontal louver should not be set too small as condensation may form and drip into the machine. To reset the louver, press the manual button, which will reset the horizontal louver settings.

### Refrigerant Leak Detection System (some models)

The indoor unit will automatically display "EC" or "EL0C" or flash LEDs (model dependent) when it detects refrigerant leakage.

## Care and Maintenance

### Cleaning Your Indoor Unit

#### BEFORE CLEANING OR MAINTENANCE

**ALWAYS TURN OFF YOUR AIR CONDITIONER SYSTEM AND DISCONNECT ITS POWER SUPPLY BEFORE CLEANING OR MAINTENANCE.**

#### CAUTION

Only use a soft, dry cloth to wipe the unit clean. If the unit is especially dirty, you can use a cloth soaked in warm water to wipe it clean.

- **Do not** use chemicals or chemically treated cloths to clean the unit
- **Do not** use benzene, paint thinner, polishing powder or other solvents to clean the unit. They can cause the plastic surface to crack or deform.
- **Do not** use water hotter than 40°C (104°F) to clean the front panel. This can cause the panel to deform or become discolored.

### Cleaning Your Air Filter

A clogged air conditioner can reduce the cooling efficiency of your unit, and can also be bad for your health. Make sure to clean the filter once every two weeks.

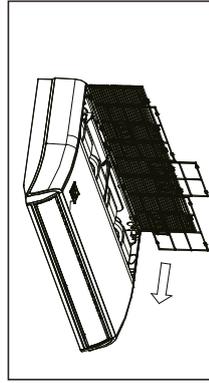
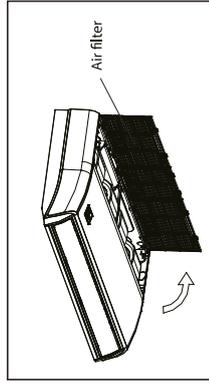
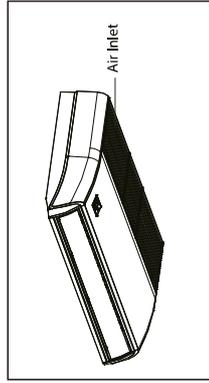
#### WARNING: DO NOT REMOVE OR CLEAN THE FILTER BY YOURSELF

Removing and cleaning the filter can be dangerous. Removal and maintenance must be performed by a certified technician.

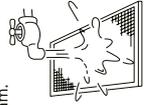
1. Open the air intake with a screwdriver or similar tool. Detach the grille from the main unit by holding the grille at a 45° angle, lifting it up slightly, and then pulling the grille forward.
2. Take out the air filter. (applicable to 3.2~10.5KW air conditioners only).

3. Directly pull out the air filter from the air inlet as indicated (applicable to 14~16KW air conditioners only).

4. Remove the air filter.
5. Clean the air filter by vacuuming the surface or washing it in warm water with mild detergent.
6. Rinse the filter with clean water and allow it to air-dry. **DO NOT** let the filter dry in direct sunlight.
7. Reinstall the filter.



If using water, the inlet side should face down and away from the water stream.



If using a vacuum cleaner, the inlet side should face the vacuum.



#### CAUTION

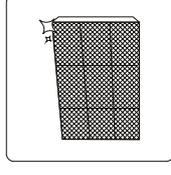
- Before changing the filter or cleaning, turn off the unit and disconnect its power supply.
- When removing filter, do not touch metal parts in the unit. The sharp metal edges can cut you.
- Do not use water to clean the inside of the indoor unit. This can destroy insulation and cause electrical shock.
- Do not expose filter to direct sunlight when drying. This can shrink the filter.

#### CAUTION

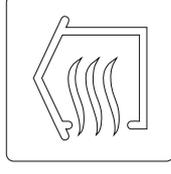
- Any maintenance and cleaning of outdoor unit should be performed by an authorized dealer or a licensed service provider.
- Any unit repairs should be performed by an authorized dealer or a licensed service provider.

### Maintenance – Long Periods of Non-Use

If you plan not to use your air conditioner for an extended period of time, do the following:



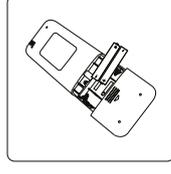
Clean all filters



Turn on FAN function until unit dries out completely



Turn off the unit and disconnect the power



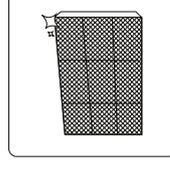
Remove batteries from remote control

### Maintenance – Pre-Season Inspection

After long periods of non-use, or before periods of frequent use, do the following:



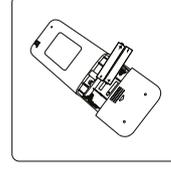
Check for damaged wires



Clean all filters



Check for leaks



Replace batteries



Make sure nothing is blocking all air inlets and outlets

# Troubleshooting



## SAFETY PRECAUTIONS

If any of the following conditions occurs, turn off your unit immediately!

- The power cord is damaged or abnormally warm
- You smell a burning odor
- The unit emits loud or abnormal sounds
- A power fuse blows or the circuit breaker frequently trips
- Water or other objects fall into or out of the unit

**DO NOT ATTEMPT TO FIX THESE YOURSELF! CONTACT AN AUTHORIZED SERVICE PROVIDER IMMEDIATELY!**

## Common Issues

The following problems are not a malfunction and in most situations will not require repairs.

Issue	Possible Causes
<b>Unit does not turn on when pressing ON/OFF button</b>	<p>The Unit has a 3-minute protection feature that prevents the unit from overloading. The unit cannot be restarted within three minutes of being turned off.</p> <p><b>Cooling and Heating Models:</b> If the Operation light and PRE-DEF (Pre-heating/Defrost) indicators are lit up, the outdoor temperature is too cold and the unit's anti-cold wind is activated in order to defrost the unit.</p> <p><b>In Cooling-only Models:</b> If the "Fan Only" indicator is lit up, the outdoor temperature is too cold and the unit's anti-freeze protection is activated in order to defrost the unit.</p>
<b>The unit changes from COOL/HEAT mode to FAN mode</b>	<p>The unit may change its setting to prevent frost from forming on the unit. Once the temperature increases, the unit will start operating in the previously selected mode again.</p> <p>The set temperature has been reached, at which point the unit turns off the compressor. The unit will continue operating when the temperature fluctuates again.</p>
<b>The indoor unit emits white mist</b>	<p>In humid regions, a large temperature difference between the room's air and the conditioned air can cause white mist.</p>
<b>Both the indoor and outdoor units emit white mist</b>	<p>When the unit restarts in HEAT mode after defrosting, white mist may be emitted due to moisture generated from the defrosting process.</p>
<b>The indoor unit makes noises</b>	<p>A rushing air sound may occur when the louver resets its position.</p> <p>A squeaking sound is heard when the system is OFF or in COOL mode. The noise is also heard when the drain pump (optional) is in operation.</p> <p>A squeaking sound may occur after running the unit in HEAT mode due to expansion and contraction of the unit's plastic parts.</p>
<b>Both the indoor unit and outdoor unit make noises</b>	<p>Low hissing sound during operation: This is normal and is caused by refrigerant gas flowing through both indoor and outdoor units.</p> <p>Low hissing sound when the system starts, has just stopped running, or is defrosting: This noise is normal and is caused by the refrigerant gas stopping or changing direction.</p> <p>Squeaking sound: Normal expansion and contraction of plastic and metal parts caused by temperature changes during operation can cause squeaking noises.</p>

## Possible Causes

Issue	Possible Causes
<b>The outdoor unit makes noises</b>	The unit will make different sounds based on its current operating mode.
<b>Dust is emitted from either the indoor or outdoor unit</b>	The unit may accumulate dust during extended periods of non-use, which will be emitted when the unit is turned on. This can be mitigated by covering the unit during long periods of inactivity.
<b>The unit emits a bad odor</b>	The unit may absorb odors from the environment (such as furniture, cooking, cigarettes, etc.) which will be emitted during operations. The unit's filters have become moldy and should be cleaned.
<b>The fan of the outdoor unit does not operate</b>	During operation, the fan speed is controlled to optimize product operation.

**NOTE:** If problem persists, contact a local dealer or your nearest customer service center. Provide them with a detailed description of the unit malfunction as well as your model number.

## Troubleshooting

When troubles occur, please check the following points before contacting a repair company.

Problem	Possible Causes	Solution
<b>Poor Cooling Performance</b>	Temperature setting may be higher than ambient room temperature	Lower the temperature setting
	The heat exchanger on the indoor or outdoor unit is dirty	Clean the affected heat exchanger
	The air filter is dirty	Remove the filter and clean it according to instructions
	The air inlet or outlet of either unit is blocked	Turn the unit off, remove the obstruction and turn it back on
	Doors and windows are open	Make sure that all doors and windows are closed while operating the unit
	Excessive heat is generated by sunlight	Close windows and curtains during periods of high heat or bright sunshine
	Too many sources of heat in the room (people, computers, electronics, etc.)	Reduce amount of heat sources
	Low refrigerant due to leak or long-term use	Check for leaks, re-seal if necessary and top off refrigerant

# AIR CONDITIONER REMOTE CONTROLLER

## Owner's Manual

Thank you for choosing our product.  
For proper operation, please read and keep this manual carefully.

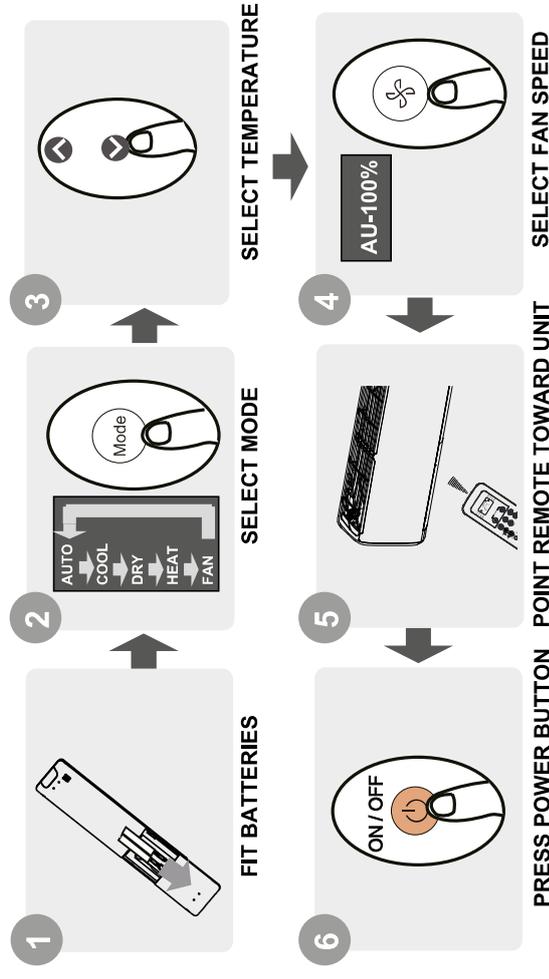
Problem	Possible Causes	Solution
<b>The unit is not working</b>	Power failure	Wait for the power to be restored
	The power is turned off	Turn on the power
	The fuse is burned out	Replace the fuse
	Remote control batteries are dead	Replace batteries
	The Unit's 3-minute protection has been activated	Wait three minutes after restarting the unit
<b>The unit starts and stops frequently</b>	Timer is activated	Turn timer off
	There's too much or too little refrigerant in the system	Check for leaks and recharge the system with refrigerant.
	Incompressible gas or moisture has entered the system.	Evacuate and recharge the system with refrigerant
	System circuit is blocked	Determine which circuit is blocked and replace the malfunctioning piece of equipment
	The compressor is broken	Replace the compressor
<b>Poor heating performance</b>	The voltage is too high or too low	Install a manostat to regulate the voltage
	The outdoor temperature is extremely low	Use auxiliary heating device
	Cold air is entering through doors and windows	Make sure that all doors and windows are closed during use
<b>Indicator lamps continue flashing</b>	Low refrigerant due to leak or long-term use	Check for leaks, re-seal if necessary and top off refrigerant
	The unit may stop operation or continue to run safely. If the indicator lamps continue to flash or error codes appear, wait for about 10 minutes. The problem may resolve itself. If not, disconnect the power, then connect it again. Turn the unit on. If the problem persists, disconnect the power and contact your nearest customer service center.	
<b>Error code appears and begins with the letters as the following in the window display of indoor unit:</b>	<ul style="list-style-type: none"> <li>• E(x), P(x), F(x)</li> <li>• EH(xx), EL(xx), EC(xx)</li> <li>• PH(xx), PL(xx), PC(xx)</li> </ul>	

**NOTE:** If your problem persists after performing the checks and diagnostics above, turn off your unit immediately and contact an authorized service center.

## Remote Controller Specifications

<b>Model</b>	RG10A(F2S)/BGCF, RG10A(F2S)/BGCFU1, RG10A1(F2S)/BGCF, RG10A2(F2S)/BGCFU1, RG10A2(F2S)/BGCF, RG10A1(H2S)/BGCF, RG10A2(H2S)/BGCFU1, RG10A1(H2S)/BGCF, RG10A2(H2S)/BGCFU1, RG10A1(H2S)/BGCF, RG10A2(H2S)/BGCF, RG10A1(G2S)/BGCF, RG10A2(G2S)/BGCFU1, RG10A1(G2S)/BGCF, RG10A2(G2S)/BGCFU1, RG10A1(G2S)/BGCF, RG10A2(G2S)/BGCF
<b>Rated Voltage</b>	3.0 V (Dry batteries R03/LR03×2)
<b>Signal Receiving Range</b>	8 m
<b>Environment</b>	-5°C~60°C(23°F~140°F)

### Quick Start Guide



#### NOT SURE WHAT A FUNCTION DOES?

Refer to the **How to Use Basic Functions** and **How to Use Advanced Functions** sections of this manual for a detailed description of how to use your air conditioner.

#### SPECIAL NOTE

- Button designs on your unit may differ slightly from the example shown.
- If the indoor unit does not have a particular function, pressing that function's button on the remote control will have no effect.
- When there are wide differences between "Remote controller Manual" and "USER'S MANUAL" on function description, the description of "USER'S MANUAL" shall prevail.

## Contents

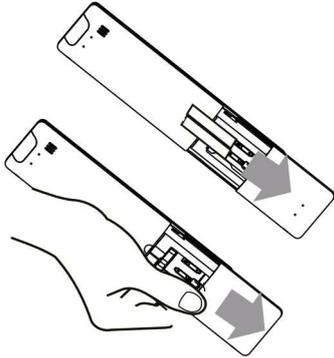
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## Handling the Remote Controller

### Inserting and Replacing Batteries

Your air conditioning unit may come with two batteries (some units). Put the batteries in the remote control before use.

1. Slide the back cover from the remote control downward, exposing the battery compartment.
2. Insert the batteries, paying attention to match up the (+) and (-) ends of the batteries with the symbols inside the battery compartment.
3. Slide the battery cover back into place.



### BATTERY NOTES

For optimum product performance:

- Do not mix old and new batteries, or batteries of different types.
- Do not leave batteries in the remote control if you don't plan on using the device for more than 2 months.

### BATTERY DISPOSAL

Do not dispose of batteries as unsorted municipal waste. Refer to local laws for proper disposal of batteries.

### TIPS FOR USING REMOTE CONTROL

- The remote control must be used within 8 meters of the unit.
- The unit will beep when remote signal is received.
- Curtains, other materials and direct sunlight can interfere with the infrared signal receiver.
- Remove batteries if the remote will not be used more than 2 months.

### NOTES FOR USING REMOTE CONTROL

The device could comply with the local national regulations.

- In Canada, it should comply with CAN ICES-3(B)/NMB-3(B).
- In USA, this device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

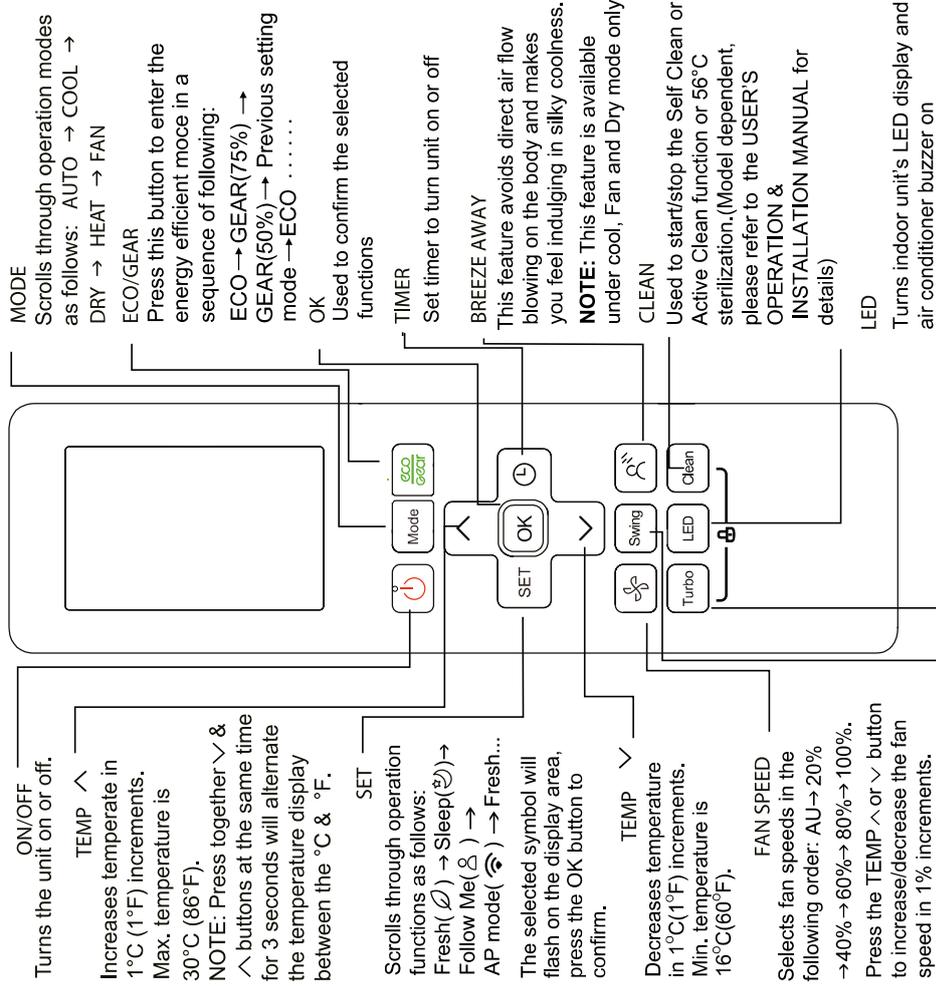
- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

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:

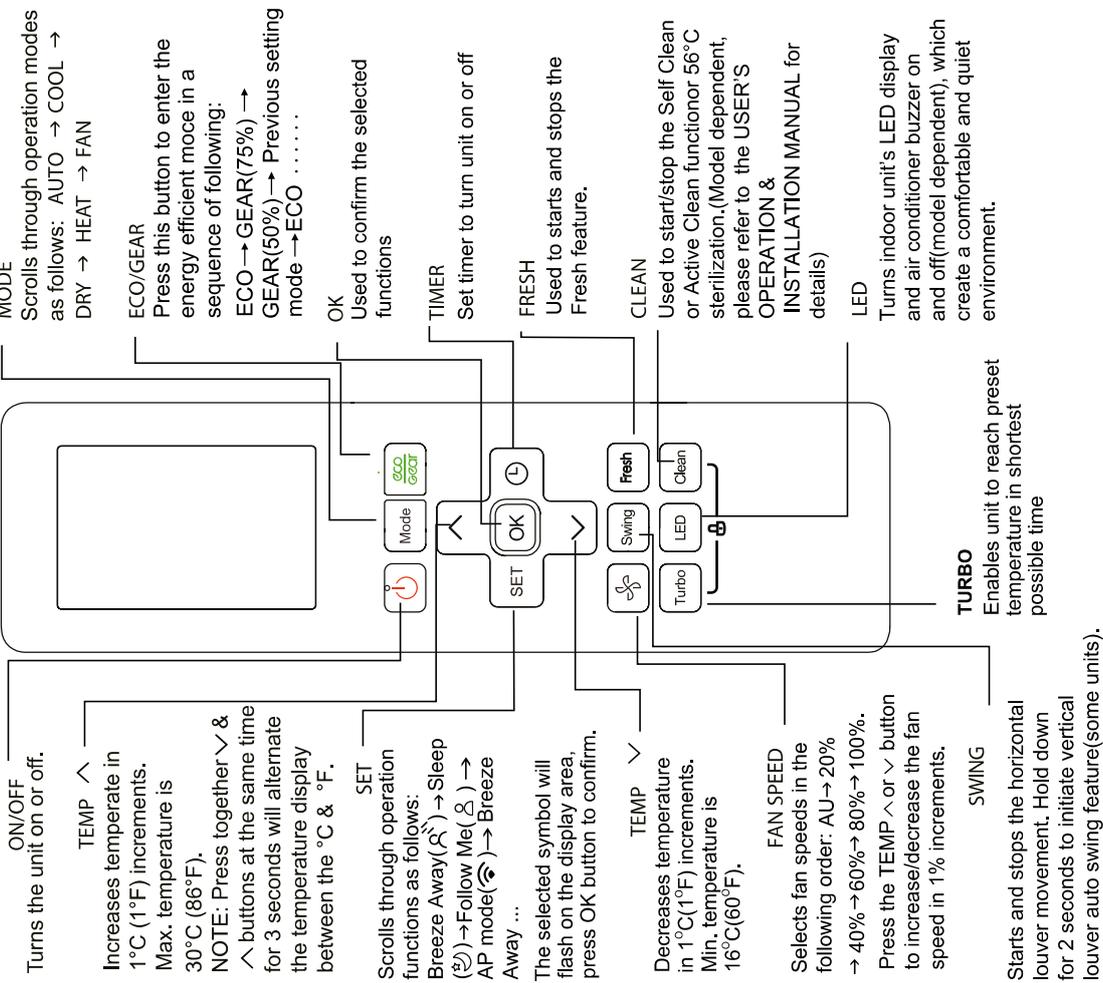
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- Changes or modifications not approved by the party responsible for compliance could void user's authority to operate the equipment.

## Buttons and Functions

Before you begin using your new air conditioner, make sure to familiarize yourself with its remote control. The following is a brief introduction to the remote control itself. For instructions on how to operate your air conditioner, refer to the **How to Use Basic Functions** section of this manual.



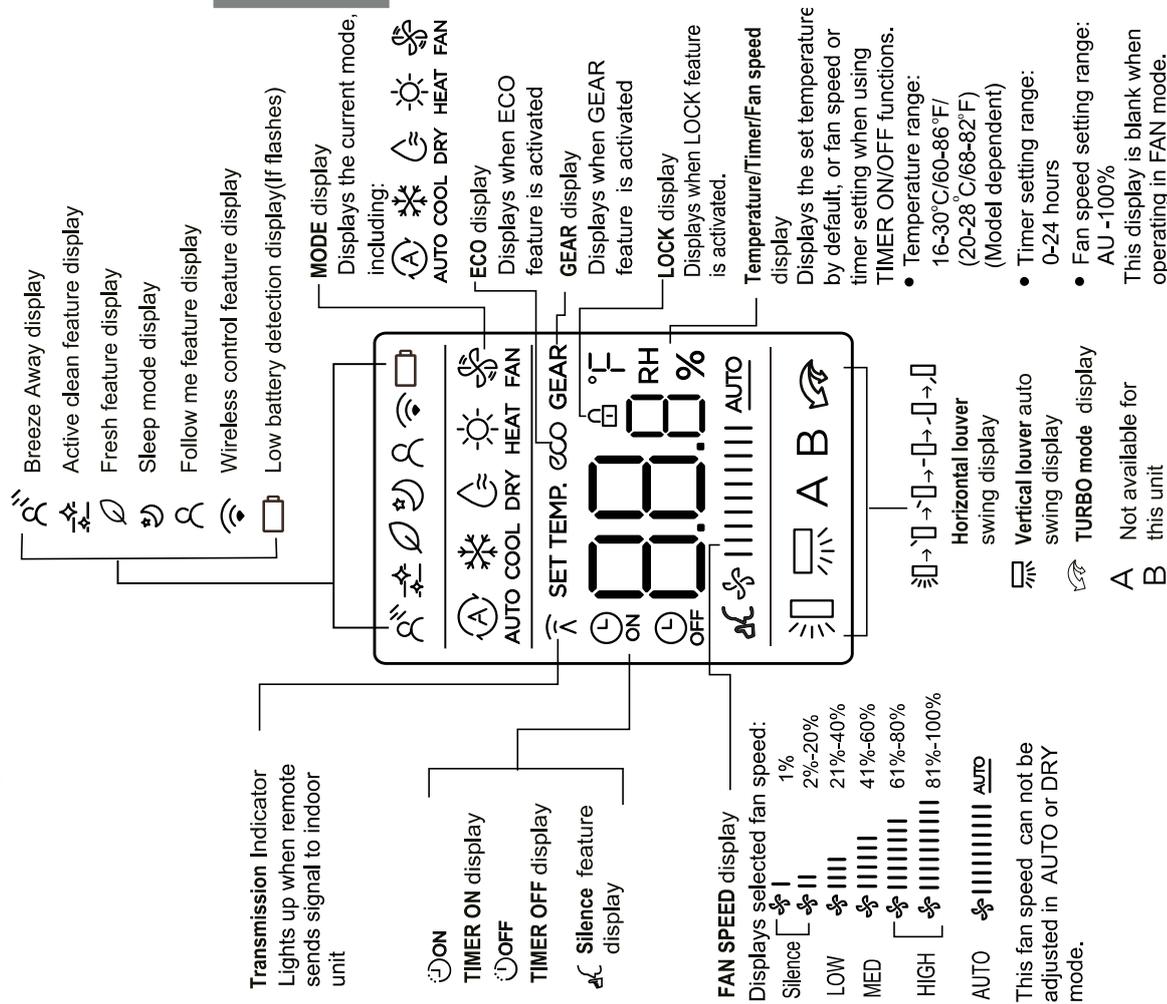
Model:  
RG10A2(B2S)/BGGEFU1  
RG10A10(B2S)/BGGEF(20-28 C/68-82 F)  
RG10A(B2S)/BGGEF; RG10A(B2S)/BGGEFU1 ( Fresh feature is not available)  
RG10A2(B2S)/BGCEFU1, RG10A2(B2S)/BGCEEF (Cooling only models, AUTO mode and HEAT mode are not available)



**Model: RG10A1 (F2S/H2S/G2S)/BGEF**

## Remote Screen Indicators

Information are displayed when the remote controller is power up.



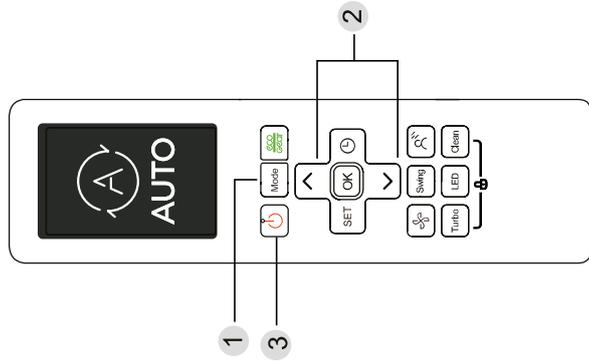
### Note:

All indicators shown in the figure are for the purpose of clear presentation. But during the actual operation, only the relative function signs are shown on the display window.

## How to Use Basic Functions

### Basic operation

**ATTENTION!** Before operation, please ensure the unit is plugged in and power is available.



### SETTING TEMPERATURE

The operating temperature range for units is 16-30°C (60-86°F)/20-28°C(68-82°F). You can increase or decrease the set temperature in 1°C (1°F) increments.

### AUTO Mode

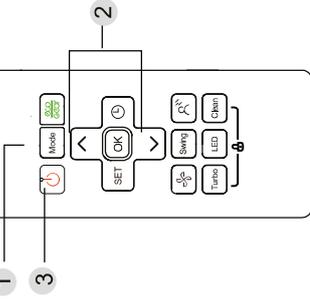
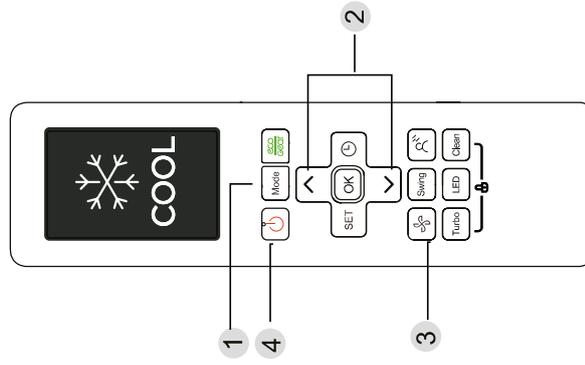
In AUTO mode, the unit will automatically select the COOL, FAN, HEAT or DRY function based on the set temperature.

1. Press the **MODE** button to select **AUTO**.
2. Set your desired temperature using the **TEMP**  $\wedge$  or **TEMP**  $\vee$  button.
3. Press the **ON/OFF** button to start the unit.

**NOTE:** FAN SPEED can't be set in AUTO mode.

### COOL Mode

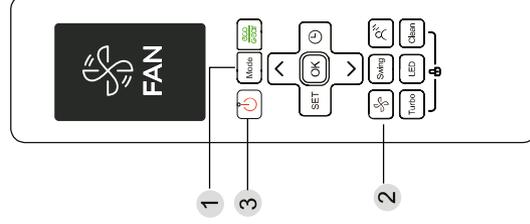
1. Press the **MODE** button to select **COOL** mode.
2. Set your desired temperature using the **TEMP**  $\wedge$  or **TEMP**  $\vee$  button.
3. Press **FAN** button to select the fan speed in a range of AU-100%.
4. Press the **ON/OFF** button to start the unit.



### DRY Mode (dehumidifying)

1. Press the **MODE** button to select **AUTO**.
2. Set your desired temperature using the **TEMP**  $\wedge$  or **TEMP**  $\vee$  button.
3. Press the **ON/OFF** button to start the unit.

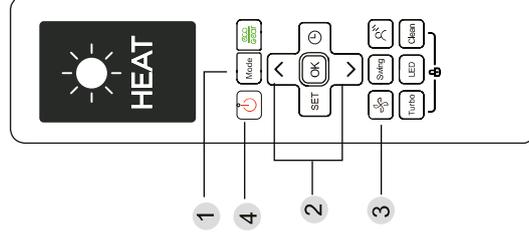
**NOTE:**FAN SPEED cannot be changed in DRY mode.



### FAN Mode

1. Press the **MODE** button to select **FAN** mode.
2. Press **FAN** button to select the fan speed in a range of AU-100%.
3. Press the **ON/OFF** button to start the unit.

**NOTE:** You can't set temperature in FAN mode. As a result, your remote control's LCD screen will not display temperature.



### HEAT Mode

1. Press the **MODE** button to select **HEAT** mode.
2. Set your desired temperature using the **TEMP**  $\wedge$  or **TEMP**  $\vee$  button.
3. Press **FAN** button to select the fan speed in a range of AU-100%.
4. Press the **ON/OFF** button to start the unit.

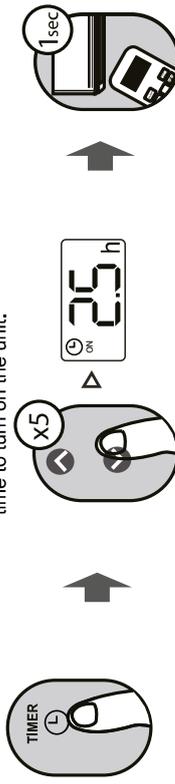
**NOTE:** As outdoor temperature drops, the performance of your units HEAT function may be affected. In such instances, we recommend using this air conditioner in conjunction with other heating appliances.

## Setting the TIMER

**TIMER ON/OFF** - Set the amount of time after which the unit will automatically turn on/off.

### TIMER ON setting

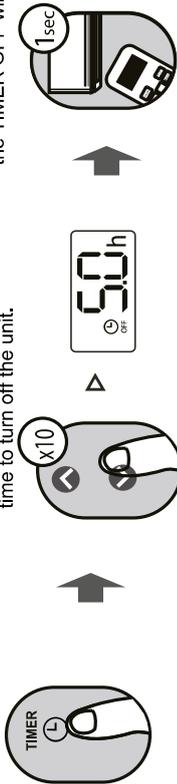
Press TIMER button to initiate the ON time sequence.



Point remote to unit and wait 1sec, the TIMER ON will be activated.

### TIMER OFF setting

Press TIMER button to initiate the OFF time sequence.



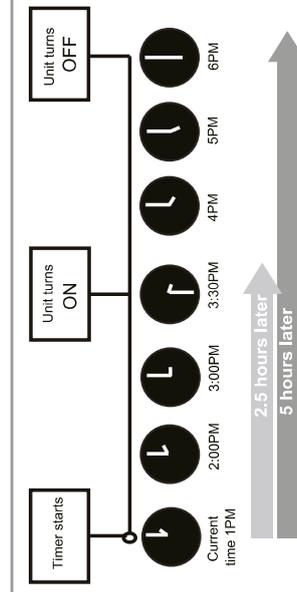
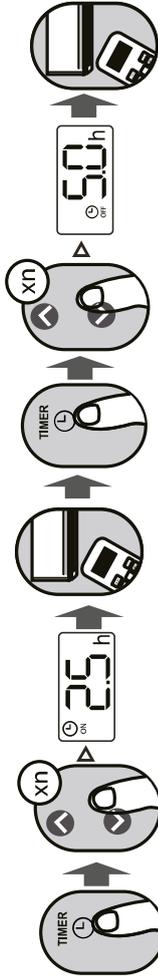
Point remote to unit and wait 1sec, the TIMER OFF will be activated.

### NOTE:

- When setting the **TIMER ON** or **TIMER OFF**, the time will increase by 30 minutes increments with each press, up to 10 hours. After 10 hours and up to 24, it will increase in 1 hour increments. (For example, press 5 times to get 2.5h, and press 10 times to get 5h). The timer will revert to 0.0 after 24.
- Cancel either function by setting its timer to 0.0h.

### TIMER ON & OFF setting(example)

Keep in mind that the time periods you set for both functions refer to hours after the current time.

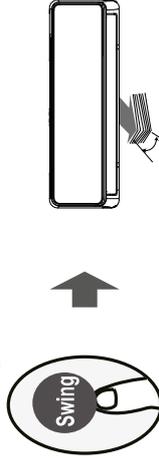


Example: If current timer is 1:00PM, to set the timer as above steps, the unit will turn on 2.5h later (3:30PM) and turn off at 6:00PM.

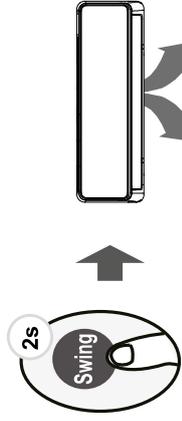
## How to Use Advanced Functions

### Swing function

Press Swing button

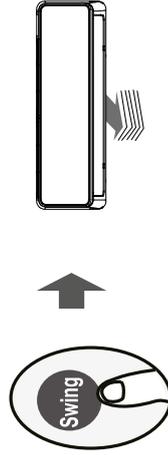


The horizontal louver will swing up and down automatically when pressing Swing button. Press again to make it stop.



Keep pressing this button more than 2 seconds, the vertical louver swing function is activated. (Model dependent)

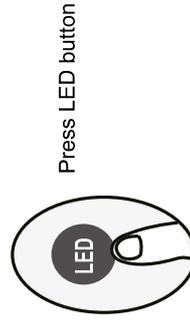
### Airflow direction



If continue to press the SWING button, five different airflow directions can be set. The louver can move at a certain range each time you press the button. Press the button until the direction you prefer is reached.

**NOTE:** When the unit is off, press and hold **MODE** and **SWING** buttons together for one second, the louver will open for a certain angle, which makes it very convenient for cleaning. Press and hold **MODE** and **SWING** buttons together for one second to reset the louver (Model dependent).

### LED DISPLAY

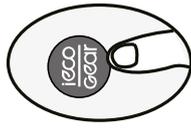


Press this button more than 5 seconds (some units)

Press this button to turn on and turn off the display on the indoor unit.

Keep pressing this button more than 5 seconds, the indoor unit will display the actual room temperature. Press more than 5 seconds again will revert back to display the setting temperature.

### ECO/GEAR function



Press X-ECO button to enter the energy efficient mode in a sequence of following:  
ECO → GEAR(75%) → GEAR(50%) → Previous setting mode → ECO.....

Note: This function is only available under COOL mode.

### ECO operation:

Under cooling mode, press this button, the remote controller will adjust the temperature automatically to 24°C/75°F, fan speed of Auto to save energy (only when the set temperature is less than 24°C/75°F). If the set temperature is above 24°C/75°F, press the ECO button, the fan speed will change to Auto, the set temperature will remain unchanged.

### NOTE:

Pressing the ECO button, or modifying the mode or adjusting the set temperature to less than 24°C/75°F will stop ECO operation.

Under ECO operation, the set temperature should be 24°C/75°F or above, it may result in insufficient cooling. If you feel uncomfortable, just press the ECO button again to stop it.

### GEAR operation:

Press the ECO/GEAR button to enter the GEAR operation as following:



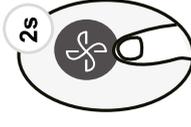
50%(up to 50% electrical energy consumption)



Previous setting mode.

Under GEAR operation, the display on the remote controller will alternate between electrical energy consumption and set temperature.

### Silence function

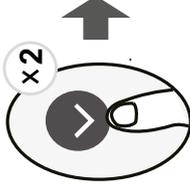


Keep pressing Fan button for more than 2 seconds to activate/disable Silence function(some units).

Due to low frequency operation of compressor, it may result in insufficient cooling and heating capacity. Press ON/OFF, Mode, Sleep, Turbo or Clean button while operating will cancel silence function.

### FP function

Press this button 2 times during one second under HEAT Mode and setting temperature of 16°C/60°F or 20°C/68°F(for model RG10A10(B2)/BGEF).

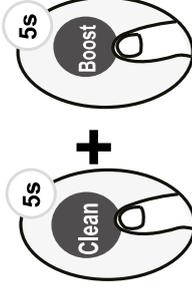


The unit will operate at high fan speed (while compressor on) with temperature automatically set to 8°C/46°F.

**Note:** This function is for heat pump air conditioner only.

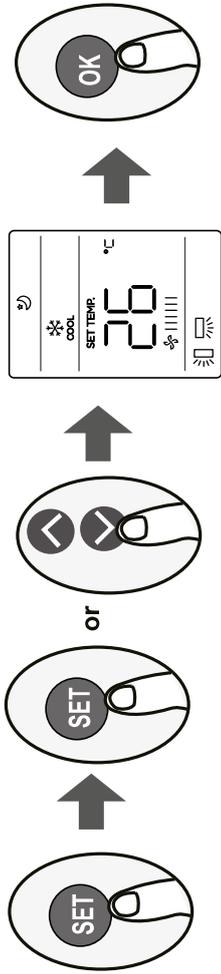
Press this button 2 times under HEAT Mode and setting temperature of 16°C/60°F to activate the FP function. Press On/Off, Sleep, Mode, Fan and Temp. button while operating will cancel this function.

### LOCK function



Press together **Clean** button and **Boost** button at the same time more than 5 seconds to activate Lock function. All buttons will not response except pressing these two buttons for two seconds again to disable locking.

## SET function



- Press the SET button to enter the function setting, then press SET button or TEMP  $\blacktriangledown$  or TEMP  $\blacktriangle$  button to select the desired function. The selected symbol will flash on the display area, press the OK button to confirm.
- To cancel the selected function, just perform the same procedures as above.
- Press the SET button to scroll through operation functions as follows:  
Breeze Away\*( $\text{R}$ )  $\rightarrow$  Fresh\*( $\text{D}$ )  $\rightarrow$  Sleep( $\text{S}$ )  $\rightarrow$  Follow Me( $\text{M}$ )  $\rightarrow$  AP mode( $\text{A}$ )
- If your remote controller has Breeze Away button or Fresh button, you can not use the SET button to select the Breeze Away or Fresh feature.

EN

### Breeze Away function( $\text{R}$ ) (some units) :

This feature avoids direct air flow blowing on the body and makes you feel indulging in silky coolness.

**NOTE:** This feature is available under cool, Fan and Dry mode only.

### FRESH function( $\text{D}$ ) (some units) :

When the FRESH function is initiated, the Ionizer/Plasma Dust Collector or UV lamp (depending on models) is energized and will help to remove pollen and impurities from the air.

### Sleep function( $\text{S}$ ) :

The SLEEP function is used to decrease energy use while you sleep (and don't need the same temperature settings to stay comfortable). This function can only be activated via remote control.

For the detail, see "sleep operation" in "USER'S MANUAL".

**Note:** The SLEEP function is not available in FAN or DRY mode.

### Follow me function( $\text{M}$ ) :

The FOLLOW ME function enables the remote control to measure the temperature at its current location and send this signal to the air conditioner every 3 minutes interval.

When using AUTO, COOL or HEAT modes, measuring ambient temperature from the remote control (instead of from the indoor unit itself) will enable the air conditioner to optimize the temperature around you and ensure maximum comfort.

**NOTE:** Press and hold Boost button for seven seconds to start/stop memory feature of Follow Me function.

- If the memory feature is activated, "On" displays for 3 seconds on the screen.
- If the memory feature is stopped, "OF" displays for 3 seconds on the screen.
- While the memory feature is activated, press the ON/OFF button, shift the mode or power failure will not cancel the Follow me function.

### AP function( $\text{A}$ ) (some units) :

Choose AP mode to do wireless network configuration. For some units, it doesn't work by pressing the SET button. To enter the AP mode, continuously press the LED button seven times in 10 seconds.