

OPERATION MANUAL

airHome 800

**ROOM AIR CONDITIONER
SPLIT TYPE
XJ SERIES**

MODELS

RAK-XJ18QHBE
RAK-XJ25RHBE
RAK-XJ35RHBE
RAK-XJ50RHBE



RC-BGH1FA0G



EN Instruction manual

Page. 2~15

Access the full version
of the User Operation Manual
by scanning the code.
More languages available.

<https://docs.hitachiaircon.com/>
OM-RAK-XJ-18-50-QRHBE-A-EN-H1295



Cooling & Heating

SAFETY PRECAUTION

- Pay special attention to signs of "**Warning**" and "**Caution**". The "Warning" section contains matters which, if not observed strictly, may cause death or serious injury. The "Caution" section contains matters which may result in serious consequences if not observed properly. Please observe all instructions strictly to ensure safety.
- The signs indicate the following meanings. (The following are examples of signs.)

 Make sure to connect earth line.	 This sign in the figure indicates prohibition.
 Indicates the instructions that must be followed.	

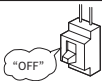
 WARNING	This symbol shows that this equipment uses a flammable refrigerant. If the refrigerant is leaked, together with an external ignition source, there is a possibility of ignition.
 CAUTION	This symbol shows that the Operation Instructions should be read carefully.
 CAUTION	This symbol shows that a service personnel should be handling this equipment with reference to the Installation Manual.
 CAUTION	This symbol shows that there is information included in the Operation Manual and/or Installation Manual.

- Please keep this manual after reading.

PRECAUTIONS DURING INSTALLATION

 WARNING	• Do not reconstruct the unit. Water leakage, fault, short circuit or fire may occur if you reconstruct the unit by yourself.	 PROHIBITION
	• Please ask your sales agent or qualified technician for the installation of your unit. Water leakage, short circuit or fire may occur if you install the unit by yourself.	
	• Please use earth line. Do not place the earth line near water or gas pipes, lightning-conductor, or the earth line of telephone. Improper installation of earth line may cause electric shock or fire.	 CONNECT EARTH LINE
	• Be sure to use the specified piping set for R32. Otherwise, this may result in broken copper pipes or faults. • Do not use refrigerant other than the one indicated on the outdoor unit (R32) when installing, moving or repairing. Using other refrigerants may cause trouble or damage to the unit, and personal injury.	
 CAUTION	• A circuit breaker should be installed depending on the mounting site of the unit. Without a circuit breaker, the danger of electric shock exists.	
	• Do not install the unit near a location where there is flammable gas. The outdoor unit may catch fire if flammable gas leaks around it.	 PROHIBITION
	• Please ensure smooth flow of water when installing the drain hose.	
	• Make sure that a single phase 220V-240V power source is used. The use of other power sources may cause electrical components to overheat and lead to fire.	 PROHIBITION

PRECAUTIONS DURING SHIFTING OR MAINTENANCE

 WARNING	• Should abnormal situation arise (livke burning smell), please stop operating the unit and turn off the circuit breaker. Contact your agent. Fault, short circuit or "OFF" fire may occur if you continue to operate the unit under abnormal situation.	
	• Please contact your agent for maintenance. Improper self maintenance may cause electric shock and fire.	
	• Please contact your agent if you need to remove and reinstall the unit. Electric shock or fire may occur if you remove and reinstall the unit yourself improperly.	

PRECAUTIONS DURING OPERATION

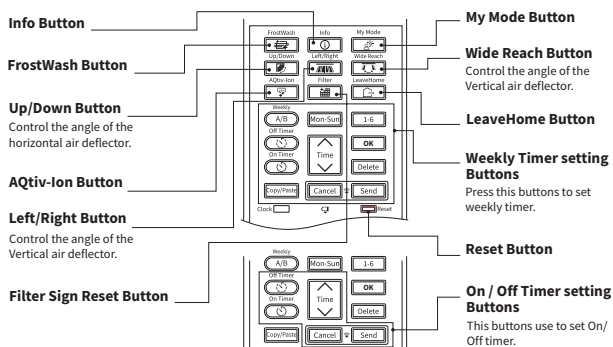
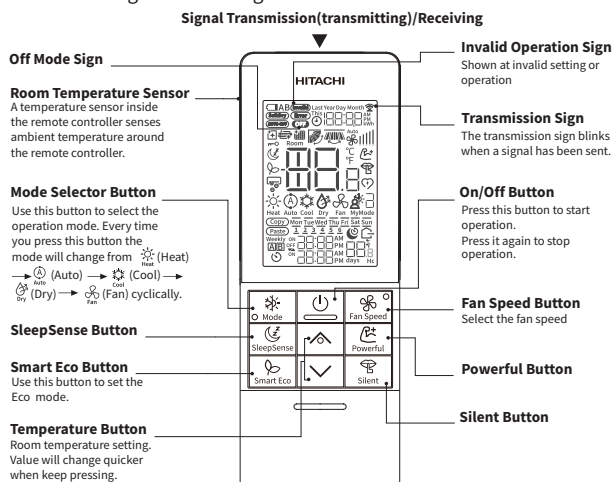
 WARNING	• Avoid an extended period of direct airflow for your health.	 PROHIBITION
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PRECAUTIONS DURING OPERATION

 WARNING	 PROHIBITION Do not put objects like thin rods into the panel of blower and suction side because the high-speed fan inside may cause danger.	
	Do not use any conductor as fuse wire, this could cause fatal accident.	 PROHIBITION
	 During thunder storm, disconnect the plug top and turn off the circuit breaker.	
	Spray cans and other combustibles should not be located within a meter of the air outlets of both indoor and outdoor units. As a spray can's internal pressure can be increased by hot air, a rupture may result.	 PROHIBITION
 CAUTION	This room air conditioner is only for residential usage. Do not use for preservation of foods, animals, plants, precision machines, art, medicine or such.	
	The product shall be operated under the manufacturer specification and not for any other intended use.	 PROHIBITION
	 DON'T WET Do not attempt to operate the unit with wet hands, this could cause fatal accident.	
	When operating the unit with burning equipment, regularly ventilate the room to avoid oxygen insufficiency.	 STRICTLY OBSERVE PRECAUTIONS
	 PROHIBITION Do not direct the cool air coming out from the air-conditioner panel to face household heating apparatus as this may affect the working of apparatus such as the electric kettle, oven etc.	
	Please ensure that outdoor mounting frame is always stable, firm and without defect. If not, the outdoor unit may collapse and cause danger.	 PROHIBITION
	 PROHIBITION Do not wash the unit with water or place a water container such as a vase on the indoor unit. Electrical leakage could be present and cause electric shock.	
	Do not place plants or animals directly under the airflow as it is bad for the plants or animals.	 PROHIBITION
	 Be sure to stop the operation by using the remote controller and turn off the circuit breaker during cleaning, the high-speed fan inside the unit may cause danger.	
	Turn off the circuit breaker if the unit is not operated for a long period.	
	 PROHIBITION Do not climb on the outdoor unit or put objects on it.	
	When operating the unit with the door and windows opened, (the room humidity is always above 80%) and with the air deflector facing down or moving automatically for a long period of time, water will condense on the air deflector and drips down occasionally. This will wet your furniture. Therefore, do not operate under such condition for a long time.	 PROHIBITION
	 PROHIBITION If the amount of heat in the room is above the cooling or heating capability of the unit (for example: more people entering the room, using heating equipment and etc.), the preset room temperature cannot be achieved.	
	Indoor unit cleaning must be performed by authorized personnel only. Consult your sales agent. Using a commercially available detergent or similar can damage the plastic parts or clog the drain pipe, causing water to drip with potential electric shock hazard.	 PROHIBITION
	 PROHIBITION Do not spray pesticides, flammable sprays, deodorants, antibacterial agents, etc. on indoor units. because it may cause fire, deformation, refrigerant leakage, or water leakage.	
	Do not touch the air outlet, bottom surface and aluminium fin of the outdoor unit. You may get hurt.	 DON'T TOUCH
	 DON'T TOUCH Do not touch the refrigerant pipe and connecting valve. Burns may result.	
	This appliance is not to be used by children or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction. Children must be supervised not to play with the appliance.	

Names and Functions of Remote Controller

- This controls the operation of the indoor unit. The range of control is about 7 meters. If indoor lighting is controlled electronically, the range of control may be shorter.
This unit can be fixed on a wall using the fixture provided. Before fixing it, make sure the indoor unit can be controlled from the remote controller.
- Handle the remote controller with care. Dropping it or getting it wet may compromise its signal transmission capability.
- After new batteries are inserted into the remote controller, the unit will initially require approximately 3~4 seconds to respond to commands and operate.
- When remote controller is not in use for about 3 minutes during OFF condition, indicated by **OFF** on the display, the LCD will turn off.
- During clock setting, the LCD will turn off about 3 minutes later if the remote controller is not in use.
- When pressing any button, the LCD will turn on.
- The LCD will not turn off during TIMER setting.

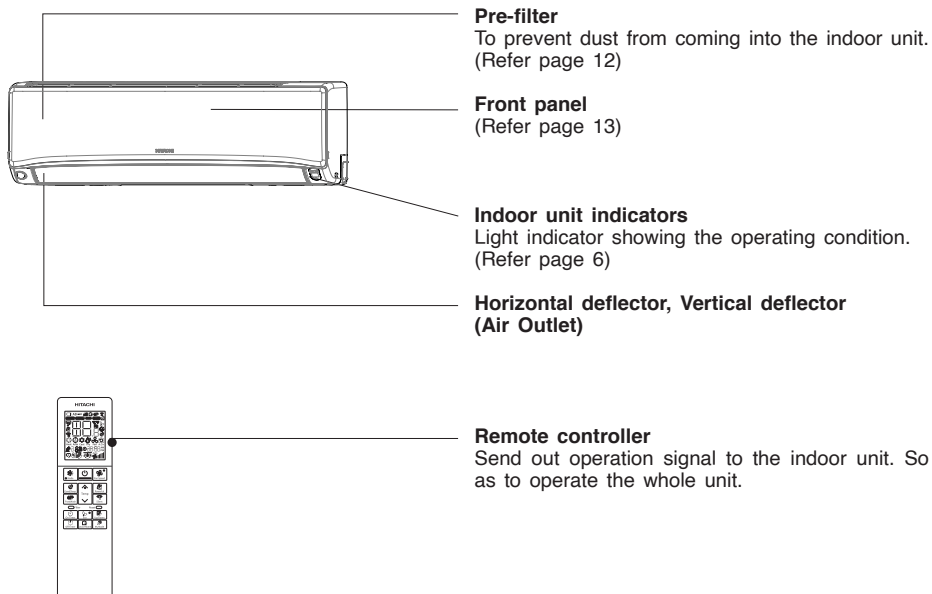


Operation Range

Operation mode	Cooling/Dehumidifying	Heating
Outdoor temperature	-10 to 46°C	-15 to 24°C

Names and Functions of Each Part

Indoor Unit

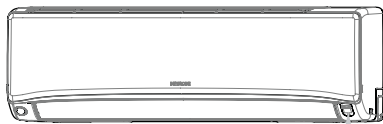


Model Name and Dimensions

MODEL	WIDTH (mm)	HEIGHT (mm)	DEPTH (mm)
RAK-XJ18QHBE RAK-XJ25RHBE RAK-XJ35RHBE RAK-XJ50RHBE	950	294	235

Names and Functions of Each Part

Indoor Unit Indications



Operation Lamp (Yellow)

This lamp lights during operation. The Operation Lamp flashes in the following cases during heating.

- (1) **During preheating**
For about 2-3 minutes after starting up.
- (2) **During defrosting**
Defrosting will be performed about once an hour when frost forms on the heat exchanger of the outdoor unit, for 5-10 minutes each time.

Timer Lamp (Orange)

This lamp lights when the timer is working.

Wi-Fi Lamp (Blue)

Clean Function Lamp (Green)

This lamp uses for FrostWash, Mold Guard, Filter Sign.

Temporary Switch

Use this switch to start and stop when the remote controller does not work.

- By pressing the temporary switch, the operation is done in automatic mode.
- When the operation is done using the temporary switch after the power source is turned off and turn on again, the operation is done in automatic mode.

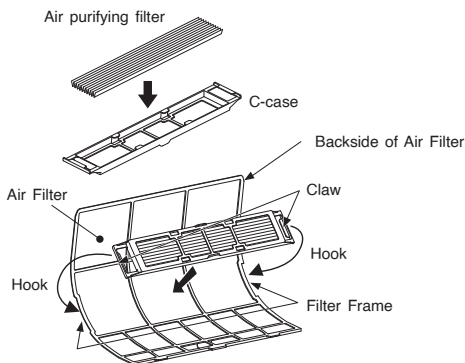
⚠ CAUTION

Turn off the circuit breaker if the unit is not to be operated for a long period.

☆ If the power stays on and the unit is not operated, power is slightly consumed in the control circuit. The power is saved by turning off the power switch (or the circuit breaker when the power is supplied from the outdoor unit).

■ Attaching the air purifying filters (Accessories) to the filter frame.

- Attach the air purifying filters to the C-case to the designated position.
- The cooling capacity is slightly weakened and the cooling speed becomes slower when the air purifying filters are used.
- The air purifying filters are not washable. It is recommended to use vacuum to clean. It can be used for 1 year. When you want to renew it, please ask your sales agent.



Backlight function

- Backlight is to see the LCD readings in the dark.
- On Pressing any key, the LCD panel lights up for a period of approx. 10 seconds. After approx. 10 seconds the light automatically switches off.
- The function is independent of all other functions of the air conditioner.
- The backlight color is white.

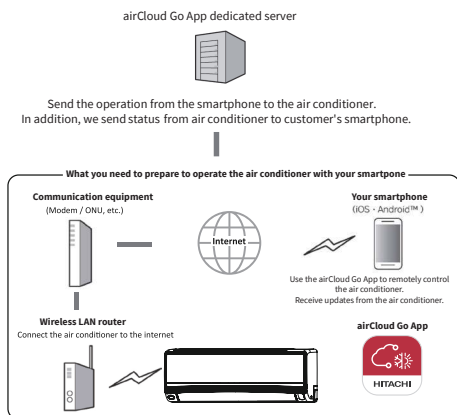
Precautions for Use

- Do not put the remote controller under direct sunlight and high temperature.
- Do not drop it on the floor, and protect it from water.
- If you press the FUNCTION button during operation, the air conditioner may stop for about 3 minutes for protection before you can start it again.

Operate Air Conditioner with Smartphone

Built-in airCloud Go module

airCloud Go is a cloud-based solution for remotely controlling your Hitachi air conditioning system via smart phone. You can operate the air conditioner from outside the home with your smartphone and check the operating status.



What You Should Confirm When Using the Service

Internet environment at home

- In order to use the service, FTTH (optical fiber) ADSL / CATV (cable TV) and other Internet services, a broadband line capable of communication is required. Not available on dial-up lines.
- For details on Internet connection, contact your provider or carrier. Please check your contract.
- Internet communication charges are the responsibility of the customer.

Smartphone

- iOS (iPhone, etc.) 13.0 / Android 9.0 or later (as of October 2023).
- To confirm the OS version, check on your smart phone, or contact your smart phone manufacturer.
- Make sure that you can connect to the router with wireless LAN.
- Tablets are not guaranteed to work.

Wireless LAN router (Hereinafter router)

- Please use a router that supports the 2.4GHz band.
- For security, be sure to use a router that can set the encryption method WPA2 or WPA (either TKIP or AES). We recommend the WPA2 (AES) encryption method. For the setting procedure, refer to the instruction manual of the router.
- Routers that support only WEP cannot be used.
- Mobile routers are not guaranteed to work.

Initial Settings

Please install the airCloud Go App on your smartphone

- (1) Search for the airCloud Go App
 - For Android models: Open Google Play. Android is a trademark and registered trademark of Google LLC.
 - For iOS models (iPhone): Open the App Store. iPhone is a trademark and registered trademark of Apple Inc.
- (2) Please install according to the screen
 - In order to use the dedicated App, you need to read and agree to the Terms of Service.
 - The dedicated application is free of charge, but to download the application, additional

communication fees may be charged based on the customer's contract for Internet data.

- The names and icons of the dedicated Apps are as of October 2023. It may be changed by updating the application.

Notes:

- The first registered user becomes group administrator by default and manage other users and also set access rights for other users.
- When using with multiple users, the registered user should invite other users to register.

Notes on Wireless LAN

⚠ WARNING

- **Do not enable remote features near those with a cardiac pacemaker or defibrillator.**

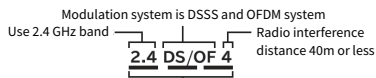
If it is too close, radio waves may affect the operation of pacemakers and other devices.

Use frequency band

In the frequency band used by this air conditioner, in addition to industrial, scientific and medical equipment such as microwave ovens, private radio stations for identification of mobile objects (radio stations that require a license) and special Low power radio stations (radio stations that do not require a license) and amateur radio stations (radio stations that require a license) are in operation.

- (1) Before using this air conditioner, make sure that local radio stations for identification of mobile objects, specified low-power radio stations and amateur radio stations are not operating nearby.
- (2) If any harmful radio interference occurs from the air conditioner to the mobile station identification radio station, immediately stop using the radio wave and contact the local Bosch Home Comfort Group (Hereinafter Bosch) technical support team to consult about measures for avoidance.
- (3) In addition, if you have any problems such as harmful radio interference from the air conditioner to the specified low power radio station for identifying the moving object or amateur radio station. Please contact the local Bosch technical support team.

How to use frequency



It means that the entire band from 2.400 GHz to 2.4835 GHz can be used and the band of the mobile identification device can be avoided.

Equipment certification

This air conditioner has a built-in wireless device that has been approved for construction design based on the Radio Law, so a license for a wireless station is not required. However, the following acts are prohibited by the Radio Law.

- Disassemble / modify wireless device.
- Remove the main unit nameplate.
- Erase the indication on the nameplate of the main unit.

Security measures

- Since wireless LAN transmits and receives using radio waves, there is a risk of unauthorized access. Please take security measures for the wireless LAN router (hereinafter, router) to ensure data security. Please note that Bosch do not take any responsibility if a problem occurs without implementing security measures.
- We recommend that you set a password (encryption key) for the router of at least 8 characters and no more than 63 characters. (Refer to the instruction manual of the router for the limitation of the number of characters.) When the router password (encryption key) is changed, please change the same password on the airCloud Go App also.

About firmware

- This air conditioner has the function of connecting to our server through the Internet and automatically updating its firmware to the latest version. During the update, wireless communication may be interrupted and communication may be interrupted or can be slow.
- Do not analyze or modify the firmware.

Usage restrictions

Please note the following restrictions on use.

Bosch will not be liable for any failure to observe the restrictions or for any incidental damage resulting from the use or inability to use the air conditioner.

- Do not connect to wireless networks for which you do not have usage rights. Unauthorized wireless networks (*SSID) that you do not have permission to use may be displayed during automatic search of the wireless network environment.

*SSID is a name to identify a specific network in wireless LAN. If this SSID matches on both devices, communication is possible.

- Do not use where magnetic fields, static electricity or radio interference may occur.
If used near the following devices, communication may be interrupted or the speed may decrease.
 - a. Microwave oven during cooking.
 - b. Bluetooth compatible device.
 - c. Other wireless LAN devices (wireless WEB cameras, PC devices, etc.) except the router (wireless LAN router) that communicates with this air conditioner.
- If there are metallic objects or walls made of steel or reinforced concrete between the unit and the router, the communication signal may be jammed, leading to loss of communication thus preventing the control of the unit by App.
- For technical support, please contact your installer or local distributor.
Website link: www.hitachiaircon.com.

Information about Using Wireless LAN

- The air conditioner can be operated from a place that is not directly visible. Therefore, for example, a situation may occur where a person in the room turns ON while another person turns OFF from outside. Especially when infants, children, the elderly, the sick, or the physically handicapped are indoors, use it when a person who can manage it is nearby. In addition, before using, please understand the condition of the room before operating.
- Your smartphone and air conditioner communicate data via our server using the Internet. Therefore, due to the condition of the communication line of your mobile phone company or provider, the setting of your router, or the stop of service due to maintenance of the airCloud Go server, data communication may not be possible, and the system may not or delay operate.
- After connecting the air conditioner to the router, you can perform data communication. To use, you will incur the broadband internet charges and your smartphone network provider charges as per the customer contract.
- If the air conditioner is not operated for a long time or if the home internet network has been completely shut down, it is advisable to initialize the airCloud Go module and reconnect the same.
- Please do not inform other people about the SSID / KEY of this air conditioner.
- Bosch Home Comfort Group guarantees repair of this air conditioner under certain conditions.

However, we do not guarantee that stored data is lost or damaged.

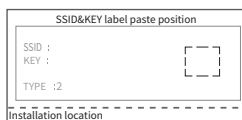
- This air conditioner stores network setting information. When disposing of this air conditioner, initialize the built-in airCloud Go module (Refer to Page 10).
- Customers are responsible for resolving any deficiencies in the Internet and wireless environment at home.
- If you operate the air conditioner using the App, some of the set functions may be canceled.

SSID & KEY Label Paste

SSID & KEY label details of Air conditioner's built-in airCloud Go module is pasted here for your reference.

Please keep it safe for future requirements during pairing process and please write down the installation location (like living room, bedroom, etc.) on the label.

The AC type is "2" that is for models with a built-in airCloud Go module



About Software License

The software installed in this air conditioner is composed of multiple independent software modules, and each software module has the copyright of Bosch and a third party.

This air conditioner also contains software modules developed or created by us, but these software and accompanying documents have proprietary rights and intellectual property rights of Bosch.

These are protected by copyright law and other laws.

Initial Setting of App

To download the airCloud Go application, search for it in the App Store® *1 or Google Play *2. Alternatively, you can scan the following code with your smartphone to directly access the application download page.

*1 App Store® is a service mark of Apple Inc.

*2 Google Play and the Google Play logo are trademarks of Google LLC.

NOTE: an internet connection is required to

download, update, or use airCloud Go (user registration, etc.).

Customers are responsible for internet communication costs.



Registration on App

Please follow the airCloud Go App guidance to complete the registration on the App.

Air Conditioner Registration and Router Connection

To proceed, you must be logged into your airCloud Go App.

Make sure that the air conditioner is ready to be powered on, then follow in-app guidance to add the air conditioner. For step-by-step guidance, you can scan the following code with your smartphone.



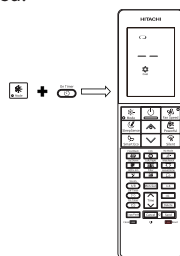
Initialization of the Built-in airCloud Go Module

Reset the internal settings (restore the factory settings) by remote controller. Please note that the configuration will be cleared and pairing procedure will be required to do again to use the built-in airCloud Go module.

- (1) Press Mode key and ON Timer key simultaneously, pointing the remote controller towards the air conditioning unit.
- (2) Make sure Wi-Fi LED on Indoor unit flashes 4 times repeatedly for about 20 seconds (LED is

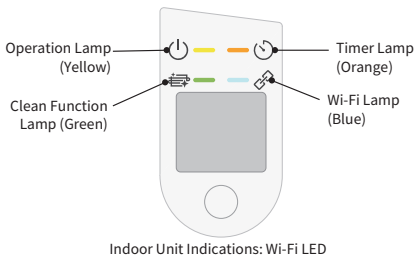
turning off between 2 sequences of 20 seconds).

- (3) Restart the unit (turn power OFF during 1 minute, then turn power ON again) and check that the Wi-Fi LED is blinking 3 times. If Wi-Fi LED is indeed flashing 3 times, pairing mode is well activated and factory settings have well been restored.



Status Indicator (LED Indicator may light up while the air conditioner is turned off)

Wi-Fi Lamp	Corresponding Status
LED OFF	- Pairing time out occurs (after 10 mins.)& configured router not detected. - Air conditioner is not plugged in. - Built-in airCloud Go module and the air conditioner is not connected.
LED ON	- The connection between the Built-in airCloud Go module and the router is completed. - The operation can be conducted through smartphone.
LED flashes 3 times	Waiting to connect to the Wi-Fi router using AP mode.
LED flashes 4 times	Restoring factory setting procedure has started.
LED flashes 5 times	Communication error between air conditioner & Built-in airCloud Go module (Error detection time: approx 24 mins.)
LED flashes with 4sec ON/1sec OFF	Router connection error.
LED flashes with 4sec ON/3sec OFF	Cloud connection error. (Error detection time: approx 30 mins.)



Note:

- Please try to power OFF/ON your air conditioner from mains switch when an error occurs.
- * "Wi-Fi" is a trademark or registered trademark of the "Wi-Fi Alliance".

Information

Capabilities

Heating Capability

- This room air conditioner utilizes a heat pump system that absorbs exterior heat and brings it into a room to be heated. As the ambient temperature gets lower, heating capability will also lower. In such a situation, the inverter work to increase compressor rpm to keep the unit's heating capability from decreasing. If the unit's heating performance is still unsatisfactory, other heating appliances should be used to augment this unit's performance.
- The air conditioner is designed to heat an entire room so that it may take some time before you feel warm. Timer operation is recommended for effective preheating ahead of the desired time.

CAUTION

Do not use a stove or any other high temperature devices in proximity to the indoor unit.



Cooling and Dehumidifying Capabilities

- If the heat present in a room exceeds the unit's cooling capacity (for example, if there are many people in the room or other heating appliances are used), the preset room temperature may not be reached.

Refrigerant Information

- For the refrigerant charge information, please refer to the outdoor unit installation manual or specification label.

Regular Inspection

PLEASE CHECK THE FOLLOWING POINTS EVERY EITHER HALF YEARLY OR YEARLY. CONTACT YOUR SALES AGENT SHOULD YOU NEED ANY HELP.

	WARNING	Check to see if the unit's earth line has been connected correctly. If the earth line is disconnected or faulty, unit failure or electric shock hazard may result.
	WARNING	Check to see if the mounting frame has rusted excessively or if the outdoor unit has tilted or become unstable. It could collapse or fall, causing injury.

After Sales Service and Warranty

When Asking for Service, Check the Following Points.

Condition	Check the following points
If the remote controller is not transmitting a signal. Remote controller display is blank or LCD display restarts on pressing of any key and there is no response from air conditioner unit.	• Do the batteries need replacement? • Is the polarity of the inserted batteries correct?
When it does not operate.	• Is the fuse all right? • Is the voltage extremely high or low? • Is the circuit breaker "ON"? • Is the power plug inserted? • Do you have any power cut?
When it does not cool well. When it does not heat well.	• Is the air filter blocked with dust? • Is the set temperature suitable? • Have horizontal air deflectors been adjusted to their correct positions according to the operation mode selected? • Are the air inlets or air outlets of indoor and outdoor units blocked? • Is the fan speed "LOW" or "SILENT"?



MAINTENANCE

CAUTION

Cleaning and maintenance must be carried out only by qualified service personnel. Before cleaning, stop operation and switch off the power supply.

1. PRE-FILTER

Clean the Pre-filter, as it removes dust inside the room. In case the Pre-filter is full of dust, the air flow will decrease and the cooling capacity will be reduced. Further, noise may occur. Be sure to clean the Pre-filter following the procedure below.

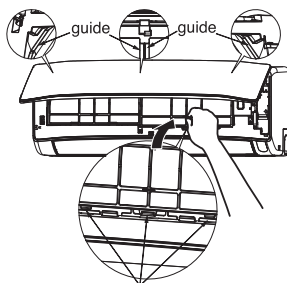
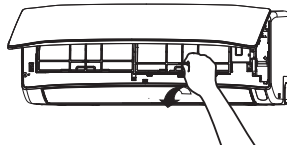
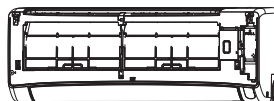
PROCEDURE

- 1** Open the front panel and remove the Pre-filter
- Gently lift and remove the air purifying filters from the air purifying filter frame.

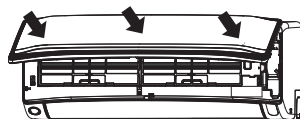
- 2** Vacuum dust from the Pre-filter and air purifying filter using vacuum cleaner. If there is too much dust, rinse under running tap water and gently brush it with soft bristle brush. Allow filters to dry in shade.



- 3**
- Re-insert the air purifying filter to the filter frame. Set the Pre-filter with "FRONT" mark facing front, and slot them into the original state.
 - After attaching the Pre-filters, push the front panel at three arrow portions as shown in figure and close it.



insert the hook to the hole



NOTE:

- Air purifying filter should be cleaned every month or sooner if noticeable loading occurs. The filter may experience discoloration over time as a result of natural antimicrobial reactions. This does not affect the performance or safety of the product. For maximum performance, it is recommended to replace it every 1 year depending on application requirements.

CAUTION

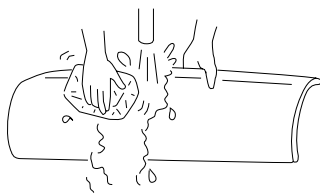
- Do not operate the air conditioner without Pre-filter. Dust may enter the air conditioner and fault may occur.

2. CLEANING OF FRONT PANEL

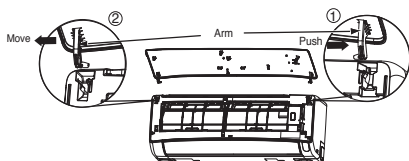
- Remove the front panel and wash with clean water. Wash it with a soft sponge. After using neutral detergent, wash thoroughly with clean water.
- When front panel is not removed, wipe it with a soft dry cloth. Wipe the remote controller thoroughly with a soft dry cloth.
- Wipe the water thoroughly.
If water remains at indicators or signal receiver of indoor unit, it causes trouble.

Method of removing the front panel.

Be sure to hold the front panel with both hands to detach and attach it.

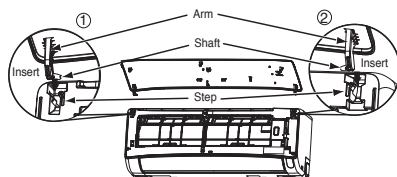


Removing the Front Panel



- When the front panel is fully opened with both hands, push the right arm to the outside to release it, and while closing the front panel slightly, pull it out forward.

Attaching the Front Panel



- Move the projections of the left and right arms into the Flanges in the unit and securely insert them into the holes.

CAUTION

- Never use hot water (above 40°C), benzene, gasoline, acid, thinner or a brush, because they will damage the plastic surface and the coating.



FrostWash Operation

FrostWash Operation does not start	Is the total operation time of the air conditioner beyond default setting when the air-conditioner is operated for about 30 minutes and stopped?		
	The FrostWash be started that must to meet with the follow conditions.		
		Indoor FrostWash 3.0 auto operation	Outdoor FrostWash auto operation
	Accumulation time	Accumulated operating hours of the air conditioner have exceeded about 42 hours	Accumulated power supply of the air conditioner have exceeded about 60 days
	The room temperature	About 10-32°C	About 5-25°C
	The humidity in the room	About 30-70%	It does not request
	The outside temperature	About 1-43°C	About 5-25°C
Does not change to non -automatic "FrostWash"?			
Does it happen after "time off"?			
→Automatic "FrostWash" interval becomes longer.			
Within 60 minutes after the end of "FrostWash", "FrostWash" is not operated for product protection.			
Noise occurred during FrostWash operation	It is the sound that the internal machine is inflated and contracted by the temperature change and the fin of the heat exchanger is frozen and thawed.		
 (Clean Function Lamp) blinks	Repeat for 1 second on and 1 second off for 10 seconds. Because "FrostWash" can not work when operating the "FrostWash" with remote controller. • The air conditioner is operating. • Outside air temperature, room temperature and room humidity are not suitable for "FrostWash". • It has not been over 60 minutes since the end of "FrostWash".		
	Repeat for 4 seconds on and 1 second off for 15 seconds. Because FrostWash has not been done for a long time. → Operate the remote controller to operate "FrostWash".		

*Multi connection only available for manual "FrostWash".

Mold Guard Function 2.0 Operation (For single inverter only)

During Mold Guard Function 2.0	 (Clean Function Lamp) on the indoor unit lights up during Mold Guard Function 2.0 operation. If Mold Guard Function 2.0 operation stop at middle point, Clean Function Lamp indicator will turn off.
Mold Guard Function 2.0 operation does not start	If the air conditioner operation is stopped after heating operation, Mold Guard Function 2.0 will not operate. If the air conditioner has operated in cooling and drying mode, including auto mode, for less than 10 minutes, the Mold Guard Function 2.0 operation will not start even if the air conditioner is in off mode. If operation of the air conditioner is stop by OFF Timer, the Mold Guard Function 2.0 will not operate. If ON Timer is set and on time is within about 2 hours, the Mold Guard Function 2.0 will not operate.
Notes	The horizontal deflector remain open. Room temperature or humidity may rise. Depending on situation, Mold Guard Function 2.0 will operate with Fan Mode. When there would be the window near indoor unit, the water might condense on the window during Mold Guard Function 2.0. If necessary, to cancel Mold Guard Function 2.0. When after FrostWash operation, the water inside the indoor unit evaporates, depending on the room conditions, may emitted as steam. But this is not a malfunction. If necessary, to cancel Mold Guard Function 2.0.

Mold Guard Operation (For Multi model will operate as Auto Clean operation)

During Mold Guard	 (Clean Function Lamp) on the indoor unit lights up during Mold Guard operation. If Mold Guard operation stop at middle point, Clean Function Lamp indicator will turn off.
Mold Guard operation does not start	If the air conditioner operation is stopped after heating operation, Mold Guard will not operate. If the air conditioner has operated in cooling and drying mode, including auto mode, for less than 10 minutes, the Mold Guard operation will not start even if the air conditioner is in off mode. If operation of the air conditioner is stop by OFF Timer, the Mold Guard will not operate. If ON Timer is set and on time is within about 2 hours, the Mold Guard will not operate.

Notes	The horizontal deflector remain open. Room temperature or humidity may rise. When there would be the window near indoor unit, the water might condense on the window during Mold Guard. If necessary, to cancel Mold Guard. When after FrostWash operation, the water inside the indoor unit evaporates, depending on the room conditions, may emitted as steam. But this is not a malfunction. If necessary, to cancel Mold Guard.
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The OPERATION lamp is flashing.	Shows preheating or defrosting operation is underway. As the protective circuit or preheat sensor operates when unit operation is stopped during preheating and then restarted, or when operation mode is switched from cooling to heating, the lamp continues to blink.
Does not reach the temperature setting	Actual room temperature may deviate slightly from the remote controller's temperature setting depending on the number of people in the room, indoor or outdoor conditions.

- The following phenomena do not indicate unit failure.

During heating, the operation indicator blinks and air blow stops.	<Operation start> The unit is preparing to blow warm air. Please wait. <In operation> The outdoor unit is defrosting. Please wait.
Hissing or fizzy sounds	Refrigerant flow noise in the pipe or valve sound generated when flow rate is adjusted. Refrigerant flow noise occur during changes of maximum fan speed to lowest speed.
Squeaking noise	Noise generated when the unit expands or contracts due to temperature changes.
Rustling noise	Noise generated with the indoor unit fan's rpm changing such as operation start times.
Clicking noise	Noise of the motorized valve when the unit is switched on.
Perking noise	Noise of the ventilation fan sucking in air present in the drain hose and blowing out dehumidifying water that had accumulated in the condensed water collector. For details, consult your sales agent.
Changing operation noise	Operation noise changes due to power variations according to room temperature changes.
Mist emission	Mist is generated as the air within the room is suddenly cooled by conditioned air.
Steam emitted from the outdoor unit	Water generated during defrosting operation evaporates and steam is emitted.
Odors	Caused as the smells and particles of smoke, food, cosmetics, etc. present in room air become attached the unit and blown off into the room again.
The outdoor unit continues to operate even if operation is stopped.	Defrosting is underway (as the heating operation is stopped, the microcomputer checks frost accumulated in the outdoor unit and instructs the unit to perform automatic defrosting if necessary).

If the unit still fails to operate normally after performing the above inspections, turn the circuit breaker off and contact your sales agent immediately.

Contact your sales agent immediately if the following phenomena should occur.

- The circuit breaker switches off or the fuse blows frequently.
- The switch operation is not stable.
- Foreign matter or water accidentally enters the unit interior.
- The power cord gets excessively hot or its insulation is torn or stripped.
- TIMER lamp on the indoor unit display blinks. (As the nature of the failure can be identified by the blinking cycle, check the blinking cycle before turning off the circuit breaker.)



Notes:



- In quiet operation or stopping the running, the following phenomena may occasionally occur, but they are not abnormal for the operation.

- Slight flowing noise of refrigerant in the refrigerating cycle.
 - Slight rubbing noise from the fan casing which is cooled and then gradually warmed as operation stops.
- The odor will possibly be emitted from the room air conditioner because the various odor, emitted by smoke, foodstuffs, cosmetics and so on, sticks to it. So please clean the air filter and the evaporator regularly to reduce the odor.

Please contact your sales agent immediately if the air conditioner still fails to operate normally after the above inspections. Inform your agent of the model of your unit, production number, date of installation. Please also inform him regarding the fault.

Please note:

On switching on the equipment, particularly when the room light is dimmed, a slight brightness fluctuation may occur. This is of no consequence. The conditions of the local Power Supply Companies are to be observed.

This product contains biocidal substances according to EU Reg. 528/2012

Biocide property : Air purifying filter

Active substance:

Pyrithione Zinc CAS No. 13463-41-7

Biocide property : Ioniser

Active substance:

Ozone generated from oxygen CAS No. 10028-15-6

These substances are NOT harmful to human health nor the environment



English

Following Regulation EU No. 517/2014 on Certain Fluorinated Greenhouse gases, it is mandatory to fill in the label attached to the unit with the total amount of refrigerant charged on the installation.

Do not vent R32 into the atmosphere: R32 are fluorinated greenhouse gases covered by the Kyoto protocol global warming potential (GWP) R32 = 675.

Tn of CO2 equivalent of fluorinated greenhouse gases contained is calculated by indicated GWP * Total Charge (in kg) indicated in the product label and divided by 1000.

REFRIGERANT INFORMATION- Refrigerant - R32	$t\text{ CO}_2 = (1) \times (2) / 1000$ (1) GWP - 675 (2) Factory Charge - (Refer to Specification Label.)
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ATTENTION:

This product shall not be mixed with general household waste at the end of its life and it shall be retired according to the appropriated local or national regulations in a environmentally correct way.
Due to the refrigerant, oil and other components contained in the Air Conditioner, its dismantling must be done by a professional installer according to the applicable regulations.
Contact the relevant authorities for more information.



ATTENTION:

This product and the batteries contained on it shall not be mixed with general house waste at the end of its life. They shall be retired according to the appropriated local or national regulations in a environmentally correct way in order to be treated at a specialized treatment facility for re-use, recycling and recovery.

If a chemical symbol is printed beneath the symbol, it means that the battery contains heavy metal above a certain concentration.

Possible chemical symbols are:

- Pb: Lead (>0,004%) - Hg: Mercury (>0,0005%) - Cd: Cadmium (>0,002%)



(EN) This equipment contains fluorinated greenhouse gases covered by the Kyoto protocol.

Do not vent R32 into the atmosphere.

REFRIGERANT INFORMATION

Refrigerant -
 $\text{t CO}_2 = (1) \times (2) / 1000 \quad (1) \text{ GWP}$

Factory Charge -
(Refer to Specification Label)

Additional Charge -

(2) Total Charge -

Tonnes CO₂ equivalent -

R32
675

① kg

② kg

③ kg

Ton

Figure 1. F-Gas Label with Protection Plastic Film

Protection Plastic Film

Peel-off Paper

Adhesive Surface

Figure 2. Protection Plastic Film

English

Instructions to fill in the "F-Gas Label":

- 1.- Fill in the Label with indelible ink the refrigerant amounts: ① - Factory Charge, ② - Additional Charge & ③ - Total Charge.
- 2.- Stick the Protection Plastic Film on the F-Gas Label delivered in a plastic bag with the Manual. To see Figure 2.

Packaging information (EN)					
The following materials may be contained in this product package					
Packaging included	Material information	Packaging sorting instruction	Packaging included	Material information	Packaging sorting instruction
CARTON box + protections	PAP	CARTON	Bubbles PLASTIC bag	LDPE	PLASTIC
External + manual PLASTIC bag	LDPE	PLASTIC	External PLASTIC strapping band	PET	PLASTIC
PLASTIC tubular protection /	LDPE	PLASTIC	WOODEN pallet	FOR	Recyclable waste. Check your local regulations
POREXPAN	PS	PLASTIC	Soft high-density protection PLASTIC	HDPE	PLASTIC



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