Please read the user's manual carefully before using the product

USER'S MANUAL

Split Wall-Mounted Air Conditioner

GG52Eng

Foreword

Air conditioners are pieces of high value. In order to ensure your lawful rights and interests, please have the professional technicians to do the installation for you.
This Instruction Manual is the universal-purpose version for the models of split wall-mounted air conditioners manufactured by our Co. The appearance of the units that you purchase might be slightly different from the ones described in the Manual, but it does not affect your proper operations and usage.
Please read carefully the sections corresponding to the specific model you choose, and keep the Manual properly so as to facilitate your reference at later time.

Addition to the user manual:

The appliance is not intended for use by young children or infirm persons without supervision;
Young children should be supervised to ensure that they do not play with the appliance.

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	Correct Disposal of this product
	This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

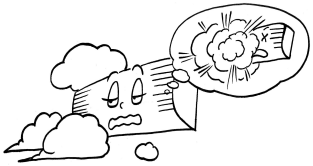
Instructions to users

Please read the "Instruction Manual" carefully prior to the use of your air conditioner so as to ensure proper operations.

Instructions for Installation

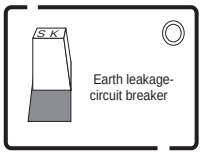
* Make sure to have the professional after-sale service persons of our company or the authorized dealers to install the units before you use.

1. The units are not to be installed at places where there might be leakage of combustible gases.



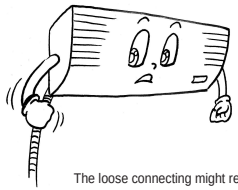
In case that the leaked gas accumulates around the units, there might occur the accident of fire hazards.

Make sure that the earth leakage-circuit breaker is installed.



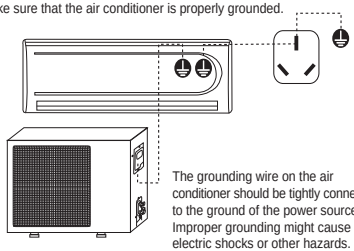
Absence of the earth leakage-circuit breaker might lead to electric shock and some other hazards.

After the connecting of the wires between the indoor unit and the outdoor unit, check whether the connecting is loose or not by pulling the wire with a little force.



The loose connecting might result in fire hazard.

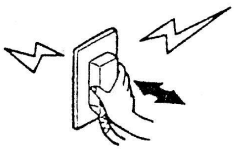
Make sure that the air conditioner is properly grounded.



The grounding wire on the air conditioner should be tightly connected to the ground of the power source. Improper grounding might cause electric shocks or other hazards.

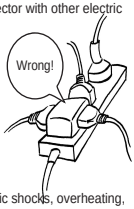
Instructions for Operation

Never try to stop the operation of the air conditioner by pulling out the power supply line.



Such performance might cause electric shocks or fire hazards.

Do not connect the power supply line to an intermediate connector. Use of prolonged power line is strictly forbidden. Nor is it allowed to share the same plug connector with other electric appliances.



It might cause electric shocks, overheating, fire hazards or other accidents.

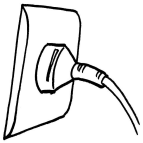
Do not press, stretch, damage, heat or modify the power line.

It might cause electric shocks, overheating, fire hazards, etc. If the power line wire is damaged or needs to be replaced due to some other reasons, please make sure to have dealer or the authorized maintenance people to do the replacement.

Do not operate the switch by wet hands.

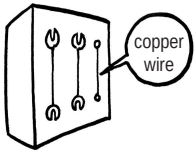
It might cause electric shocks.

Before the connector is plugged in, please make sure that there is no dust on it and that it is plugged fully in place



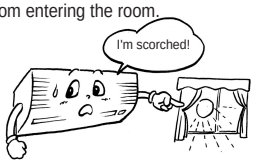
If there is dust on the plug or if the plug is not in place, it might cause electric shocks or fire hazards.

Never use the fuse with incorrect capacity or any other metal wires.



The use of metal or copper wires for fuse might cause operational failures or fire hazards.

Try to avoid the sunlight and hot air from entering the room.



During the cooling operation, curtains or window-blinds should be used to shade off the sunlight.

Try to minimize the generation of heat during the operation of cooling.

Place the heating sources out of the room.

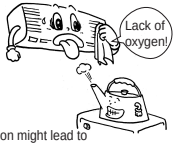
Do not use combusting apparatuses in the air-conditioned room.

It might lead to the incomplete combustion of these apparatuses.

Do not place insecticides or paints and other flammable sprays near the air conditioner, or spray them directly at the air conditioner.

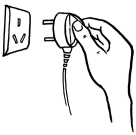
It might cause fire hazards.

When it is necessary to use the air conditioner and the combusting apparatuses in the same room, air ventilation has to be made from time to time.



Insufficient ventilation might lead to lack of oxygen or some other dangers.

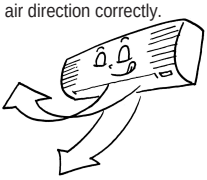
Prior to the maintenance of the air conditioner, please cut off the power supply first. Never do the cleaning of the units when the fan is in high-speed operations.



Do not insert sticks or bars into the air vents.

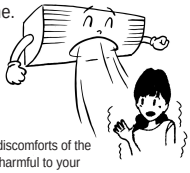
As the fan is in high-speed operation, the insertion might lead to accidents.

Adjust the air direction correctly.



Properly adjust the up/down and left/right directions of the air flow so as to get the even room temperature.

Do not keep exposed to the cool air for long time.



It might cause discomforts of the body, which is harmful to your health.

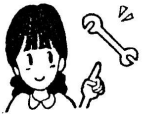
Do not clean the air conditioner with water.

It might cause electric shocks.

Do not attach, hang or stack articles on the air conditioner.

It might lead to the falling down of the air conditioner unit, which will result in accidents or injuries.

Check the supporting structures of the units carefully.



In case of damages, the supporting structures should be immediately repaired so as to avoid falling down of the unit, which might cause human injuries or other accidents.

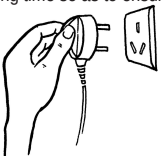
Do not sit on the outdoor unit or place any other objects on it.

The falling down of the unit or the objects might cause human injuries and other accidents.

Do not use the following substances:

Hot water (over 40℃ or 104˚F)
The use of hot water will deform the air conditioner or make it fade in color.
Gasoline, paint diluent, benzene and polishing agents, etc.
These substances will deform the air conditioner or cause scratches.

Pull out the plug when the unit is not in use for long time so as to ensure safety.



When the plug is to be pulled out, make sure that the switch of the air conditioner is turned off.

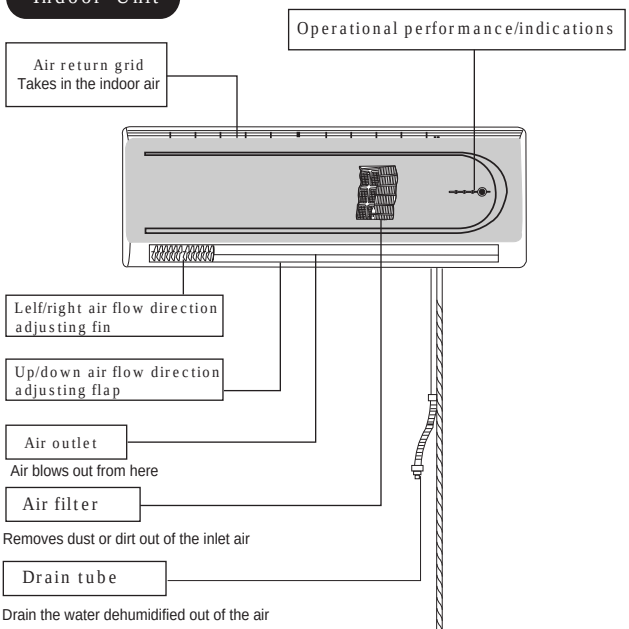
Instructions for Removal and Repair

* When removal or repair is needed, please contact the dealer or authorized maintenance & installation people.
* In case of any abnormal occurrences (smell of burning), please stop the operation at once, cut off the power supply and contact the dealer or authorized maintenance people.

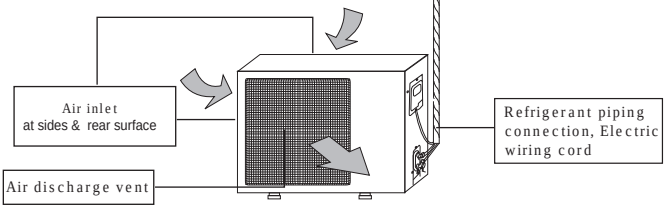
The name of each part and its function

Because there are many models,features and appearance will vary,we only introduce the follow pattern,Others please refer to using.

Indoor Unit

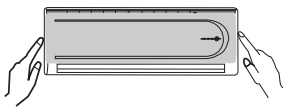


Outdoor Unit



Unit operation section

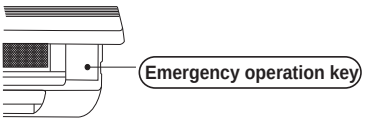
How to open



Lightly push both sides of the air inlet grid at the bottom and pull it to this side till a resistance is felt.

How to close

Push down the air inlet grid and then push both sides of air inlet grid at the bottom.

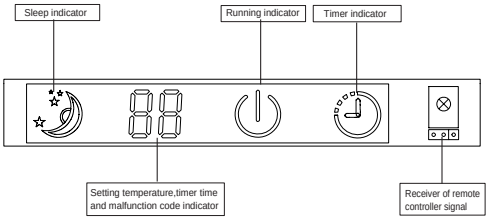


This button can be used as an emergency measure to turn on/off unit when remote controller is not available.

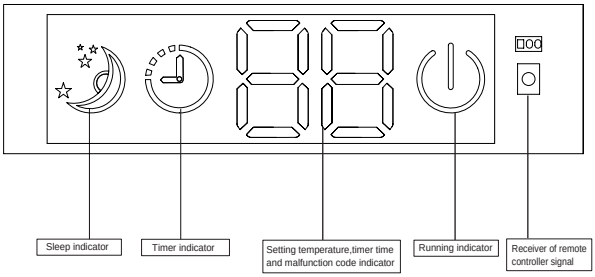
* **Note: Do not open the grid at an angle over 60 degrees. Do not operate the units with too much force.**

∗ Indication of display ∗

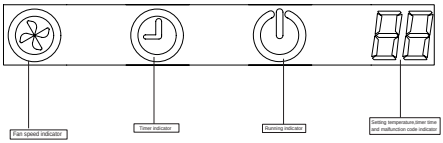
Indications of unit 1



Indications of unit 2



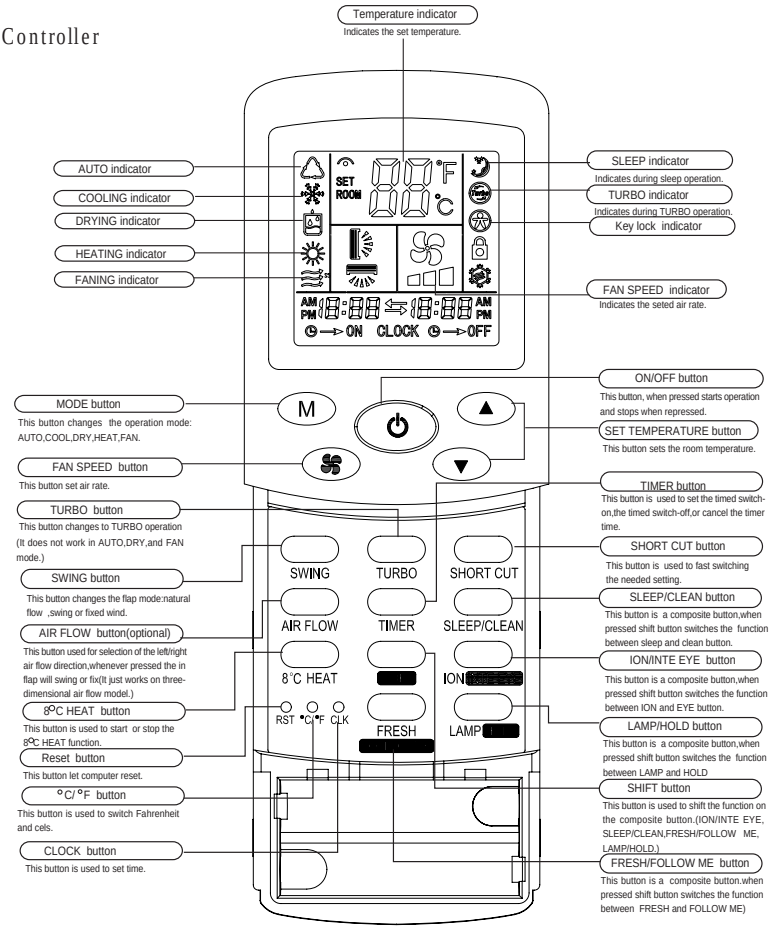
Indications of unit 3



Above figure shows all indications for the purpose of the explanation but practically only the partinent parts are indicated.The indicator may be changed, but it does not affect your operation.

Use of Remote Controller

Remote Controller

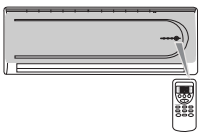


NOTE:

* Above figure shows all indicators for the purpose of explanation, but practically only the pertinent parts are indicated.When air-conditioner is cooling-only model, the HEATis for FAN.The INTE EYE function and FRESH function are not available for Nordic design model.

* When TURBO operation is selected,room temperature is not controlled with operation being continually.If you feel the room temperature is too cool or too heat,please cancel the TURBO operation.

Transmission procedure



When each button on the remote controller is pressed with the remote controller pointing toward the air conditioner unit, signal is sent. When the signal is received correctly, the receiving sound is emitted from the unit.

∗ Use of Remote Controller ∗

OPERATING MACHINE IN SELECTED MODES

1. Point the remote controller at the unit,press the ON/OFF button,then press the MODE button,select the needed mode: ATUO,COOL,DRY,HEAT,or FAN.

2. Press the SET TEMPERATURE button to increase or decrease the readings until the needed temperaure is displayed.The room set temperature range is from 16˚C-32˚C(61˚F-90˚F).
(It would be automatically set at 25˚C(76˚F) and unadjustable in AUTO and DYR mode.)

3. Press the FAN SPEED button to choose the air rate you want:Low(display indicates" "),Med(display indicates " ",Hi(display indicates" ",Auto(display" "indicator flashing).
(It would be automatically set at low speed and unadjustable in DRY mode.)

4. Press the SWING button to choose the up/down air flow direction you want:natural flow(display" "indicator flashing),swing(display" " indicator flashing) ,fixed wind(display indicates " ").
(It would be automatically set at fixed wind air flow direction in DRY mode.)

5. Press the AIR FLOW button to choose the left/right direction you want: swing(display" " indicator flashing),fixed wind (display indicates " ").

6. Press the ION button, display indicates " "

7.Press the INTE EYE button, display indicates " ". This function is not available for Nordic design model.

8.Press the FRESH button, no indicator display on the screen. This function is not available for Nordic design model.

To be in compliance EN61000-3-11,the product shall be connected only to a supply of the system impedance: |Zsys|=0 .141 ohms or less. Before connect the product to public power network, please consult your Local power supply authority to ensure the power network meet above requirement.

BUTTON OPERATION

1. ON/OFF button: This button is used to start or close operation of the machine.
2. MODE button: This button is used to change the operation mode: AUTO, COOL, DRY, HEAT, FAN.
3. ▲button: This button is used to increase the temperatures.
4. ▼button: This button is used to decrease the temperatures.
5. AIR FLOW button: This button is used to select the left or right air flow direction, when press the in flap will swing or fix. (It just works on three-dimensional air-flow model.).
6. Swing button: This button is used to change the flap mode: natural flow, swing or fixed wind.
7. FAN SPEED button: This button is used to set air rate.
8. TIMER button:
   This button is used to set the timed switch on, the timed switch off, or timer setting cancellation.

○ Press the TIMER button for the first time, the hours setting flashing, indicates ▲▼to set the hours for the timed switch-on.

○ Press the TIMER button for the second time, the minutes setting flashing, indicates ▲▼to set the minutes for the timed switch-on.

○ Press the TIMER button for the third time, the TIMER setting will be implemented by following:

●When previous two pressing of TIMER button for setting the timed switch-on, no press ▲▼to adjust the hours and minutes, the setting of switch-on is canceled.

●When previous two pressing of TIMER button for setting the timed switch on, pressed ▲▼ to adjust the hours and minutes, the timed switch-on is set, and the signal is sent to the receiver.

○Press the TIMER button for the fourth time, the hours setting flashing, indicates ▲▼ to set the hours for the timed switch-off.

○Press the TIMER button for the fifth time, the minutes setting flashing,indicates ▲▼ to set the minutes for the timed switch-off.

○Press the TIMER button for the sixth time, the TIMER setting will be implemented by following:

●When previous pressing of TIMER button for setting the timed switch-off, no press ▲▼ to adjust the hours and minutes, the setting of switch-off is canceled, no signal is sent to the receiver.

●When previous pressing of TIMER button for setting of the timed switch-off, pressed ▲▼ to adjust the hours or minutes, the timed switch-off is set, the signal is sent to the receiver.

○After finishing the setting of the timed switch-off, when you press TIMER button again, the setting of TIMER function (the timed switch-on or the timed switch-off) will be canceled.

After finishing the setting of TIMER function without pressing TIMER button again, the TIMER time will show on the display screen, clock digits will not show on the display screen. When press CLOCK button, the clock digits show on the display screen, but the TIMER time will show again on the display screen after releasing the CLOCK button.

9.TURBO button: This button changes to TURBO operation. Press TURBO button during COOL or HEAT operation, it does not work in AUTO,DRY and FAN mode. When you press, no icon show on the display screen and no signal send to the receiver under AUTO, DRY and FAN mode. If the sleep function is set, the turbo function will be canceled.

10. CLOCK button (CLK): This button is used to set time. Press this button enters the CLOCK setting, after modification of the time by pressing ON-OFF button or pressing CLOCK button again to complete the time setting. Or complete the time setting when the flashing stops after 15 minutes.

11. SHORT CUT button: This button is used to fast switching the needed setting. Long press the SHORT CUT button, indicator "→"“←" flashing, to set the needed parameters (operation mode, temperature, fan speed, turbo, sleep, air flow etc.). After finishing the setting, press SHORT CUT button again, no indicator "→"“←" show on the display screen, the current setting parameters will be stored. Every short press the SHORT CUT button, the machine runs the memory setting. SHORT CUT button will not store the parameters of the function TIMER, CLOCK and HOLD.

12. 8°C HEAT button: This button is used to start or stop the 8 C HEAT function.

13. SHIFT button: This button is used to shift the function on the composite buttons (ION/INTE EYE,SLEEP/CLEAN, FRESH/FOLLOW ME, LAMP/HOLD). Press SHIFT button, the right arrow indicator flashing, the second button function is available when you press the composite button. When you press SHIFTbutton again or no press any button in 30 minutes, the right arrow indicator stops flashing, then the first button function is available when you press the composite button.

14. ION/INTE EYE button: This button is a composite button. Press SHIFT button switches the function between ION and INTE EYE.

For ION function, when press this button starts or stops the ION function.

For INTE EYE function, when press this button starts or stops the INTE EYE function.

15. SLEEP/CLEAN button: This button is a composite button. Usually it used for SLEEP function, when press SHIFT button, this button used for CLEAN function. The CLEAN function only effective under the remotecontrol is turned off.

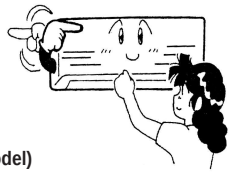
Press SLEEP button to set sleep function or cancel sleep function. After setting the sleep function, the sleep function will not be canceled when changing modes. When set the sleep function, the fan speed will switch to low fan speed automatically, but the fan speed can be changed when press the FAN SPEED button. If the turbo function is set, the sleep function will be canceled.

Press SLEEP button to set sleep function or cancel sleep function. After setting the sleep function, the sleep function will not be canceled when changing modes. When set the sleep function, the fan speed will switch to low fan speed automatically, but the fan speed can be changed when press the FAN SPEED button. If the turbo function is set, the sleep function will be canceled.

CLEAN button only effective under the remote control is turned off. No signal under other states when press this button. Under the remote control is turned off, press this button to switch on the machine, the remote control enters cooling mode with setting temperature 25 C and high fan speed.

16. LAMP/HOLD button: This button is a composite button. When press SHIFT button switches the function between LAMP and HOLD. For LAMP function,when press this button starts or cancels LAMP function. There is no iconshown on the display screen when start or cancel LAMP function. For HOLD function, when press this button locks or unlocks the keyboard.
17. RST button: This button is used to reset the microcomputer. When display abnormal or other function abnormal happened, press thisbutton to reset the microcomputer, the remote control backs to the initial state on the electricity.
18. FRESH/FOLLOW ME button: This button is a composite button. Whenpress SHIFT button switches the function between FRESH and FOLLOW ME. There is no icon shown on the display screen when starts or stops FRESH function.
19. °C/°F button: This button is used to switch Fahrenheit and Celsius temper-ature display on the remote control.

ADJUSTING LEFT/RIGHT AIR FLOW DIRECTION



Methods 1:Manually adjust

Adjust the direction by moving directly the left/right air flow direction adjusting fin by hand.

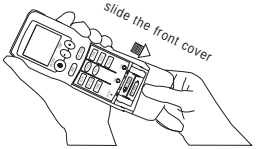
Caution:when adjust the direction,stop air conditioner.

Methods 2:Horizontal & vertical auto swing(three-dimensional air flow model)

Adjust the direction by remote controller.Press the AIR FLOW button,the air swinging fins will constantly make the left/right swinging or fixed direction in air delivery.

REPLACEMENT OF BATTERIES

* When the signal from the remote controller becomes weak and the indoor unit can not receive it properly;or the indications on the display screen becomes blurred,please slide the back cover and replace with two new batteries.
* The positive and negative poles must match the installation positions.
* New batteries of the same type have to be used for replacement.
* If the remote controller is not to be used for long time,take out the batteries so as to prevent the leakage of the electrolyte from damaging the controller.
* If when the remote controller is at abnormal state,you can take out the batteries on the back cover to clear off the display.



Remote Controller

＊Feactures of heating operations＊

Basic principles and performances

* The machines absorb heat from the outdoor air and transfer it indoors so as to heat the room air. The heating capabilities through this principle of heat pump go up/down with the increase/decrease of the temperatures of the outdoor air.
* It only needs a fairly short time for such hot air circulation system to raise the room temperature.
* When the outdoor air temperature is very low, the system can be used together with other heating devices. But good ventilation should be maintained to ensure safety and prevent accidents.

Defrosting

When the outdoor air temperature is very low and humidity is very high, frosting will occur to the heat exchanger of the outdoor unit, which has negative impacts upon the efficiency of the heating performance. In such case, the automatic defrosting function will come into play. The heating operation will be stopped for 5-10 minutes to do the defrosting.

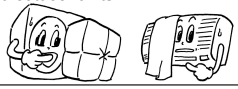
* The fans of both the outdoor and indoor units are stopped.
* During the defrosting, the outdoor unit might generate some steam. It is caused by fast defrosting, which is not a performance failure.
* Upon the completion of the defrosting process, the heating operation is resumed.

Methods of maintenance

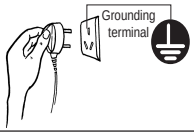
The air conditioner must be turned off and plug pulled out before the maintenance is to be carried out.

Before the season of operation

1. Check if there are any blocking materials in the intake and outlet vents of the indoor and outdoor units.



2. Check if the installation stand is corroded or rusty.
3. Check if the machine is properly grounded.



4. Check if the air filter is clean.
5. Connect to the power source.
6. Put batteries in the remote controller.

During the season of operation

The cleaning of the air filter screen (Standard intervals should be once every two weeks).

1. Remove the air filter screen from the unit.
   - Gently press the tow lower ends of the grid and open it.
   - Gently pull up the air filter screen and take it out in the direction of your body.

2. Clean the air filter screen.

   if the screen is very dirty, please use lukewarm water (about 30˚C or 86˚F) to clean it. Air it dry after the cleaning.

   Note:
   - Do not use boiling water to clean the screen.
   - Do not bake the screen dry over a fire.
   - Do not exert too much force in pulling and stretching the screen.

3. Install the air filter screen.

To operate the air conditioner without the air filter screen on will cause the interior of the machine dirty which might lead to poor performances or damages to the units.

Clean the air conditioner

- Use a soft and dry cloth to rub the air conditioner, or use a vacuum cleaner to clean it.
- If the air conditioner is very dirty, use a piece of cloth and soak it with neutral home-use detergent to do the cleaning.

After the season of operation

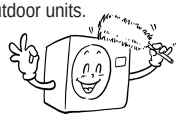
1. Set the temperature at 30˚C or 86˚Fand operate in the fan status for about half a day.

To make the interior of the units dry

2. Stop the operation of the machine and turn off the power switch.

The air conditioner will consume about 5W of electric power after the machine is turned off. For the purpose of energy saving and safety, it is advisable to pull the plug out during the non-operational seasons.

3. Clean and install the air filter screen.
4. Clean the indoor and outdoor units.



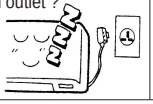
5. Take the batteries out from the remote controller.

Note:
If the air filter screen is blocked by dust or dirt, the performance of cooling and heating will be affected, with the operation noise and power consumption increased. Therefore, the air filter screen should be cleaned regularly.

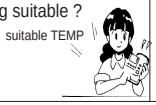
Treatment at service call

Please check the following before requesting after-sale service from your dealer .

The air conditioner does not operate at all .

Is the power plug in an outlet ?	Is the time set to "ON" position ?	Is there a power failure or a blown fuse ?
		

Poor cooling or heating performance .

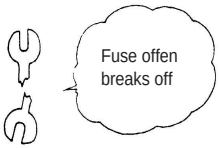
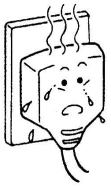
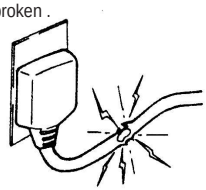
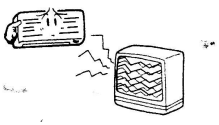
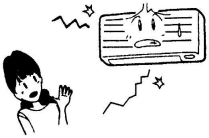
Is the room temperature setting suitable ?	Are the air filters clean (Not clogged)?	Are the window (s) and door (s) opened ?
		

Poor cooling performance .

Is direct sunlight entering the room ?	Is there a heat source in the room ?	Are there too many people in the room ?

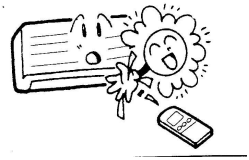
Cases requiring immediate contact with the distributor

Pull out the power plug immediately and inform to your distributor in the following situations:

Fuse or breaker often breaks off 	Power plug or code is excessively hot . 	Covering of power plug or code is broken . 
Malfunction is observed TV , radio or other devices . 	Switch dose not actuate surely	Abnormal noise is heard during operation . 

When faulty operation movement is observed when the RUN button is pressed , even after pulling out the power pulg and restarting the operation after 3 minutes , faulty movement does not disappear .

We hope you will know the following when using the unit

The unit can not be restarted just after shut down . (RUN lamp is illuminating) 	Restart is stopped for 3 minutes after shut down to protect the unit . Three-minute protection timer incorporated in the microcomputer actuates automatically . Except that power is connected , this function does not actuate .
Air is not blown out at starting of heating operation.	Air blow is stopped to prevent blowing out of cold air until the indoor heat exchanger is warmed .(2 to 5 min) (HOT KEEP)
The unit will not stop blowing out the air immediately after shut down at COOL operation(some model).	Because the unit is doing mould proofing operation and indoor fan motor runs at low speed .The louver will not close down until after 30 seconds.
Air is not blown out for 6 to 12 min , at heating operation .	When outdoor temperature is low and humidity is high , the unit sometimes performs defrosting automatically . Please wait . During defrosting , water or steam are raising from the outdoor unit .
Air is not blown out at DRY operation .	Indoor fan is sometimes stopped to prevent vapor of dehumidified moisture and save energy .
Mist is blown out at COOL operation .	This phenomenon sometimes occurs when the temperature and humidity of the room are very high , but it will disappear with the lowering of the temperature and humidity .
Odor is sent out .	Air blown out during operation may smell . This is the smell of tobacco or cosmetics sticked to the unit .
Noise is heard cracking sound .	This is caused by the refrigerant that is circulating inside the unit.
Noise is heard cracking sound .After a power stoppage or after disconnecting the power supply plug.	This is caused by heat expansion or contraction of plastics.
Operation can not be restarted even if the power is recovered.	The memory circuit of the microcomputer is cleared. Operate the remote controller again to restart the operation .
Remote control signals are not received .	Remote control signals may not be received when signal receiver on the air conditioner body is exposed to direct sunlight or strong lighting . In that case , interrupt the sunlight or darken the lighting. 
Moisture may form on the air outlet grilles .	If the unit is operated for a long period of time with the high humidity , moisture may form on the air outlet grilles and drip down .