

AIR CONDITIONER SPLIT WALL MOUNTED

ENGLISH

CLIMATISEUR SPLIT MURAL

FRANCAIS

KLIMAGERAET IN SPLIT BAUWEISE

DEUTSCH

CLIMATIZADOR SPLIT MURAL

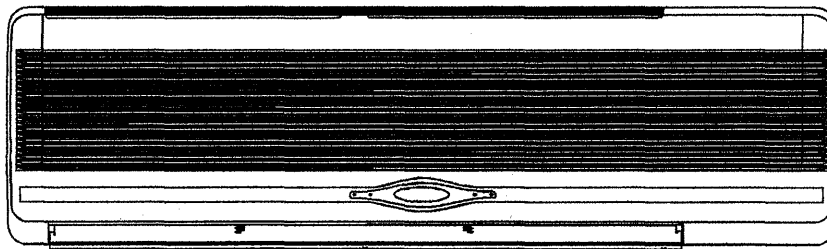
ESPAÑOL

CONDIZIONATORE D'ARIA A PARETE SPLIT

ITALIANO

КОНДИЦИОНЕР ВОЗДУХА РАЗДЕЛЬНЫЙ НАСТЕННЫЙ

РУССКИЙ



**PROGRAMMING AND OPERATING MANUAL
MANUEL D'UTILISATION ET DE PROGRAMMATION
BEDIENUNGS UND PROGRAMMIERUNGS HANDBUCH
MANUAL DE UTILIZACION Y DE PROGRAMACION
MANUALE DI UTILIZZO E DI PROGRAMMAZIONE
РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ**

 **ELECTRA**

**AIR CONDITIONER
SPLIT WALL MOUNTED
PROGRAMMING
AND OPERATING**

ENGLISH

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If your air conditioner is for cooling only, please disregard the heating instructions

Please read these instructions **before** operating the air conditioner

INTRODUCTION

The air conditioner is designed for various uses:



- Cooling in summer



- Dehumidifying at high humidity conditions



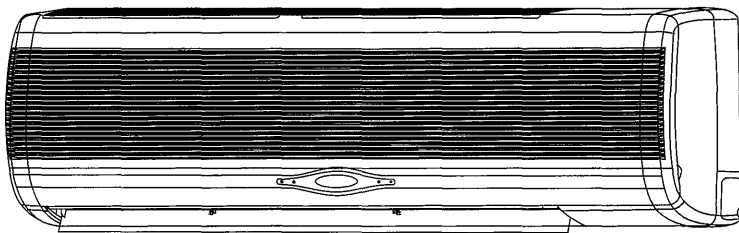
- Heating



- Ventilation



- Air Filtration.



Operating Temperature Range

(According to T_i temperature condition)

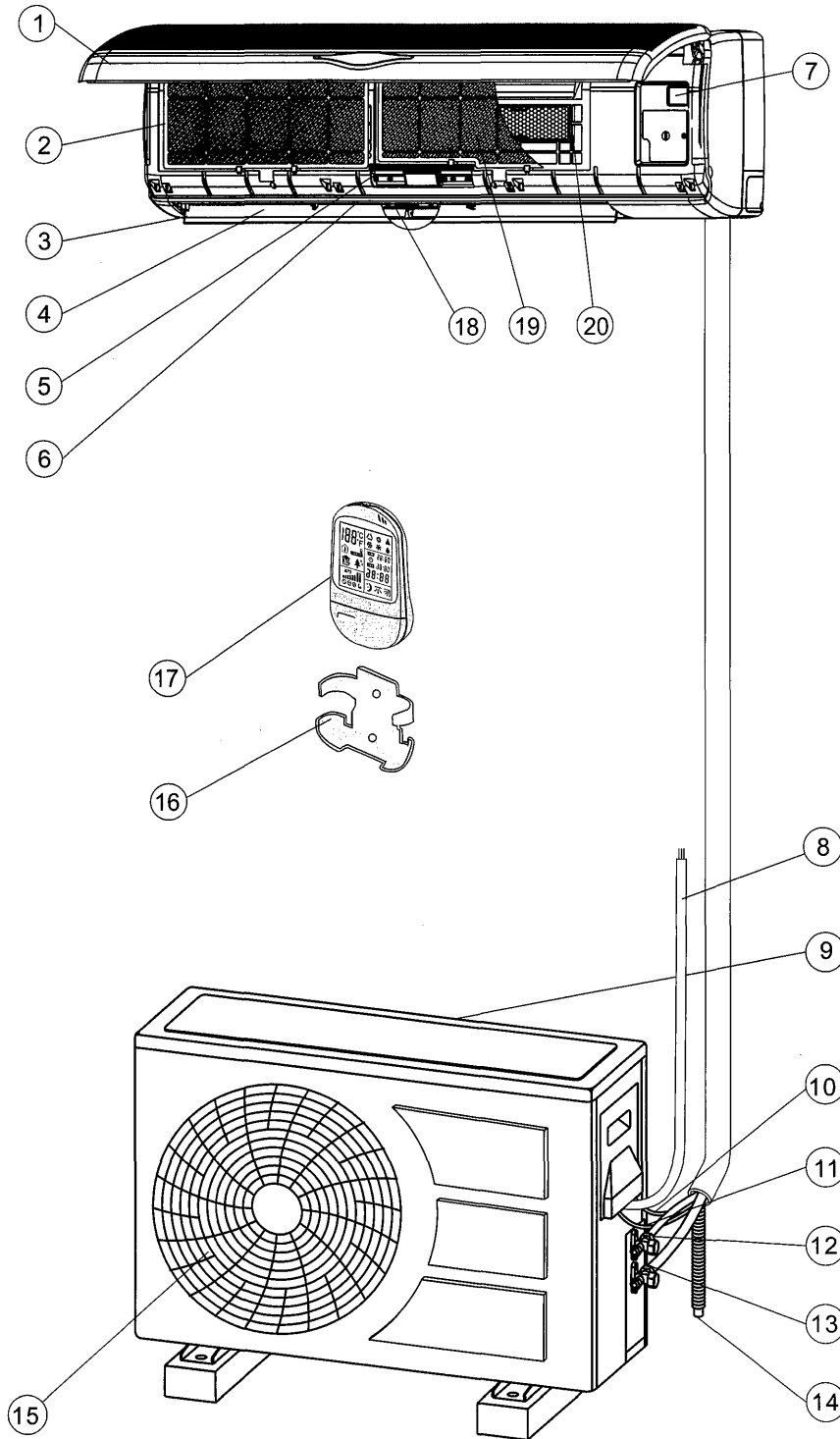
Cooling: 21°- 46°C

Heating: -5°- 24°C R22
-9°- 24°C R407C & R410A

IMPORTANT NOTICE:

- The air conditioner must be grounded to protect against electrical shock.
- Installation of the air conditioner must be performed by an experienced air conditioning installer, observing good refrigeration practice.
- Electrical connections and power cord replacement should only be made by authorized electricians and in accordance with electrical regulations and local codes.
- Failure to comply with the manufacturer's installation and operation instructions could affect the performance of the air conditioner and the validity of the warranty.

SYSTEM DESCRIPTION



1. Air intake grill
2. Air filter
3. Supply air flap
4. Air outlet
5. unit's indicator
6. Horizontal Air flow
Deflecting louvers
7. On unit's controls
8. Power cord (optional)
9. Outdoor unit air intake
10. Power cable
11. control wire
12. Liquid line
13. Suction line
14. drain hose
15. outdoor unit air outlet
16. Remote controls holder
17. Remote control
18. Ionizer (optional)
19. Air purifying filter
20. Electrostatic filter
(optional)

MODES OF OPERATION, FUNCTIONS AND FEATURES



COOL Cools, dehumidifies and filters the room air. Maintains desired room temperature.



HEATING Heats and filters the room air. Maintains the desired room temperature.



AUTO Automatically choose COOLING or HEATING or DRY, maintaining the desired temperature according to the room conditions.



DRY Dehumidifies and softly cools the room. In DRY Mode, the air conditioner operates at an increased dehumidifying power. This function is recommended to be used when temperature is rather low but the humidity is high.



FAN Recirculates and filters the room air. Maintains constant air movement in the room.



AUTO FAN The air conditioner automatically selects the FAN speed according to the request temperature. At the start, the unit operates at high fan speed. As the room air approaches the desired temperature, the fan switches automatically to a lower speed for quieter operation.

HOT KEEP In HEATING and in AUTO FAN, the fan will be turned off when the compressor is not in operation and will not be restarted, unless the indoor coil reaches adequate temperature. This HOT KEEP feature prevents uncomfortable cold air drafts. Use of AUTO FAN is, therefore, recommended when the air conditioner is in HEATING mode.








I FEEL Switches the temperature sensing point to the place where the remote control is located. (For general air conditioner, the temperature sensor is only located behind the air intake grille). This function is designed to provide a personalized by transmitting the temperature control command from the location Remote Control and the unit is done by infra-red signal. Therefore, in using next to you. The communication between the Remote Control and the unit is done by infra-red signal. Therefore, in using this function, the Remote Control should always be aimed, without obstructions at the air conditioner.



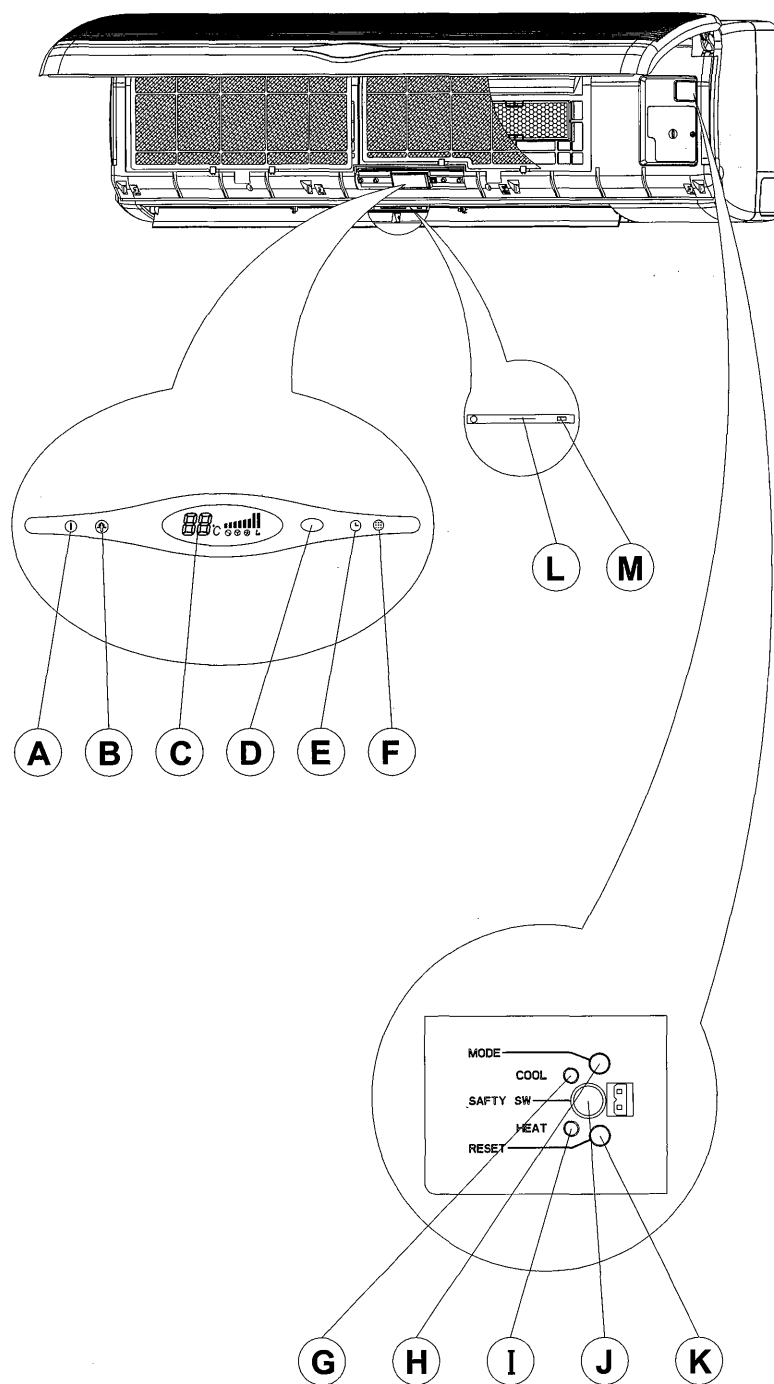
TIMER Real time control and display, automatically turns the air conditioner ON and OFF according to the time of day setting, ensuring comfort conditions before returning home, without wasting electricity. It turns the air conditioner off automatically when sleeping.



SLEEP Designed to create comfortable sleeping conditions. When in COOLING mode, the temperature rises one degree centigrade after each consecutive hour, up to three hours, from the start of the mode. The temperature rise prevents the feeling of over-cooling while sleeping (when your body is at rest). In HEATING mode the reverse occurs; the air conditioner lowers its temperature one degree every hour, up to three hours, from the start of the mode. When in SLEEP mode, the air conditioner will be automatically turned off after have operated for seven hours. The result is a more comfortable and invigorating sleep, which leaves you feeling fresh and energetic on the next morning.

AUTO FLAP	The air flap (louvers) is automatically positioned for the most suitable blow-out angle, when COOL, HEAT, DRY or FAN modes are selected. When the air conditioner is turned off, the flap will close automatically for an aesthetic appearance.
	Vertical swing key Automatic swing of Vertical air flow in Vertical direction. The flap move automatically in upward and downward direction to spread the conditioned air evenly throughout the room.
	Horizontal air swing Automatic swing of Horizontal air flow in Horizontal direction. The flap move automatically in right and left direction to spread the conditioned air evenly throughout the room.
	ROOM TEMPERATURE Measures and displays room temperature.
	FILTER INDICATION Filter indicator on the indoor unit display is turned on when the filter requires cleaning. After cleaning and reinstalling the filter, It should be reset.
	BUZZER A soft buzzer will sound from the indoor unit display to indicate that a command sent by the remote control has been accepted and stored in the unit s memory. This feature may be easily cancelled by the user from the display panel.
ON UNIT OPERATION	The air conditoner can be turned ON for COOLING or HEATING or be turned OFF directly form the indoor unit display panel without the use of the remote control.
3-MIN DELAYED RUN	This compressor is protected by a three-minute delayed restart.
LOCK	Freezes the last operation setting on the remote control. When LOCK is activated, the remote control will not be able to control the air-conditioner.
MEMORY	The microprocessor retains the last data entry whether or not the unit is plugged in. Therefore, when the unit restarts after a power disruption or failure, it will resume operating in the same mode as before the power was disrupted.
ELECTROSTATIC FILTER (optional)	They are capable of capturing small particles down to 0.1 microns, Such as atmospheric and house hold dust, coal dust, insecticide dust, mites, pollen, pet dander, tobacco smoke particles, cooking smoke and grease, mold fungi, bacteria, viruses and more.
IONIZER (optional)	Ionizer make the air more fresh and more comfort. Slide switch (M) to the ON position and use the remote control to activate the ionizer. The blue light indicator (L) on the unit will light up indicating the ionizer in operation. To cancel the operation set slide switch to OFF position Important Notice: When the air-conditioner is turned OFF or if the indoor fan stops operation the IONIZER stops automatically.

ON-UNIT INDICATORS AND CONTROLS



- A. Stand-by/Operation indicator
*Lights up in red when connected to power.
Lights up in green during operation.*
- B. E.S.F / ION indicator
Lights up when the E.S.F or Ionizer operation.
- C. LCD display
- D. Signal receiver
Receiver signals from the remote control.
- E. Timer indicator
Lights up during timer and sleep operation.
- F. Filter indicator
Lights up when air filter requires cleaning.
- G. Cooling indicator
Lights up only when mode (H) is pressed for cooling.
- H. Unit mode button
Used to switch the unit for cooling or heating without the remote control.
- I. Heating indicator
Lights up when mode (H) is pressed for heating.
- J. Electrostatic filter safety button
Turn off the Electrostatic filter when you open the grill.
- K. Reset button
Press to turn off the filter indicator or cancel the buzzer announcer.
- L. Ionizer indicator
Lights up during the ionizer is open.
- M. Ionizer on/off
Used to switch the ionizer.

ON-UNIT OPERATION

If the air-conditioner cannot be operated by the Remote Control unit, it can be turned on for cooling or heating, or completely runed off, by pressing MODE button (H) on the air-conditioner. The MODE button will change the operating status of the unit between-COOLING-HEATING -STAND-BY positions, every time it is pressed. Indicators (G), (I) or (A) will light up respectively, to indicate in which mode the air-conditioner operates.

On units for Cooling only, do not set MODE switch on HEAT position.

PROTECTION MODES

Your air-conditioner includes several auto protection modes which enables you to use it virtually at any time and in any season regardless of the outdoor temperature. Some of the protection modes are listed below:

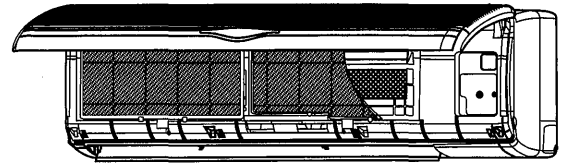
Mode	Operation conditions	Protection from	Controlled remedy
Cooling and Dry	Low outdoor temperature	Indoor coil freezes up	Stops outdoor fan and compressor when approaching freezing conditions Resumes operation automatically.
	High outdoor temperature	Outdoor coil overheating	Stop compressor when approaching over heating conditions. Resumes operation automatically. Operating indicator (A) blinks.
Heating	Low outdoor temperature	Outdoor coil ice build up	Reverses operation from heating to cooling for short periods to de-ice outdoor coil. Operating indicator (A) blinks.
	High Indoor or outdoor temperature	Indoor coil overheating	Stops outdoor fan and compressor when approaching high indoor coil temperature. Resumes operation automatically.

CARE AND MAINTENANCE

Before performing any maintenance procedure, make sure to disconnect the air conditioner from the power.

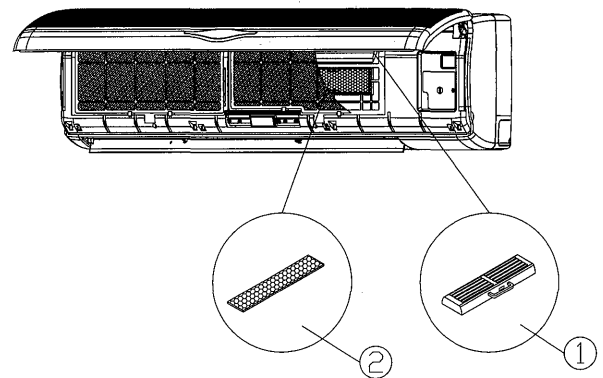
CLEANING THE AIR FILTER

- Your air conditioner is provided with a filter cleaning indicator. When the indicator (F) lights up, the filters should be removed for cleaning
- To remove the air filters, lift up the panel. push the air filters up slightly to unlock them. pull out the filters, Clean the filter by washing in warm soapy water and dry thoroughly. align and fit the filters in place. close the panel by pushing it in the center to lock it in place.
- Reset button (K) to turn off indicator (F).



CLEANING THE ELECTROSTATIC FILTER

- The electrostatic filter should be removed from the unit and cleaning once three month. The procedure is shown as following;
 - 1 open the front panel
 - 2 push the hook on the filter and pull out the electrostatic filter(Fig ①)
 - 3 wash the filter with the warm soapy water and dry thoroughly
 - 4 push the electrostatic filter into the right position
 - 5 close the front panel
- Note: the above procedure is used for cleaning the electrostatic filter.



PURIFICATION FILTER REPLACEMENT

- The air purifying filter should be removed from the unit and replaced once a year, show as following:
- 1 pulling out the filter(Fig ②)
- 2 replacing the filter in its place.

DO NOT OPERATE THE UNIT WITHOUT FILTERS!

CLEANING THE AIR CONDITIONER

- Wipe the unit with a soft dry cloth or clean it using a vacuum cleaner
- do not use hot water or volatile materials which could damage The surface of the air conditioner.

AT THE BEGINNING OF THE SEASON

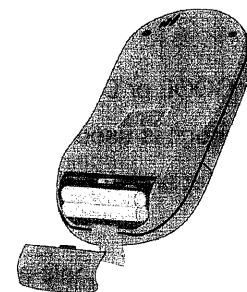
- Make sure there are no obstacles blocking the flow of inlet or outlet air, in both indoor and outdoor units.
- Make sure the power is properly connected.

PROTECT THE ELECTRONIC SYSTEM

- Indoor unit and remote control must be at least 1 meter away from a TV, radio or any other home electronic appliance.
- Protect the inner unit from direct sun or lighting.

REMOTE CONTROL BATTERY CHANGE

- Remove the batteries from the remote control as show.
- Use two 1.5 volt size AAA batteries.

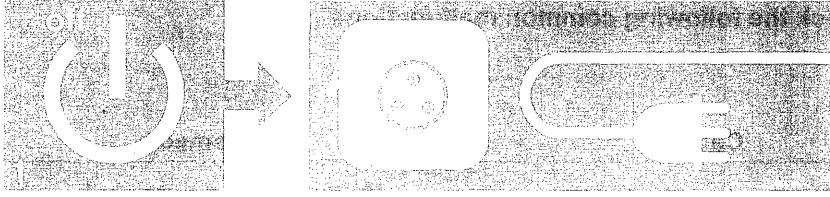


OPERATING TIPS

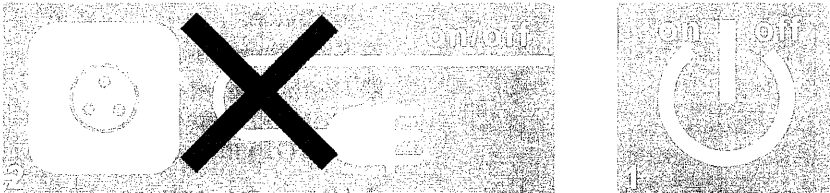
- Set a suitable room temperature; excessively low room temperature is not good for your health and wastes electricity. Avoid frequent setting of the temperature.
- During cooling, avoid direct sun. Keep curtains and blinds closed. Close doors and windows to keep the cool air in the room.
- Avoid generating heat or using of heating appliances while the air conditioner in cooling mode.
- Make sure that the air flap is positioned properly: horizontal flow in cooling and downward vertical flow for heating.
- Keep the room temperature uniform by adjusting the Left/Right vertical air blades.
- Position the air flap and the left/right air blades in such a manner as to prevent your body from being exposed directly to air drafts.
- During prolonged operation, ventilate the room occasionally by opening a window from time to time.
- In a power failure, the microprocessor memory is retained. When restarted, operation will be resumed in the last mode of operation. However, if the timer was used, the unit will be turned off by the timer only if the remote control is aimed at the unit. Otherwise the power failure will cause the timer data to be erased from the microprocessor memory.
- After turning on, allow more than 3 minutes for cooling, heating or dry operation to start.
- When Dry mode is used, make sure that the room temperature is between 20° to 27°C. When used out of this range, the unit may protect itself and become inoperative.
- When COOL or DRY modes are used, make sure that the room's relative humidity is below 78%. If the unit is used for a prolonged periods of time in high humidity, moisture may form on the air outlet and drip down.
- Remote control signals may not be received if the indoor unit controls cover is exposed to direct sunlight or strong light. In such a case, block the sunlight or dim the lighting.
- The remote control is operative in a range of 8 meters. If you are out of range, the remote control may have difficulties in transmitting signals.

PRECAUTIONS

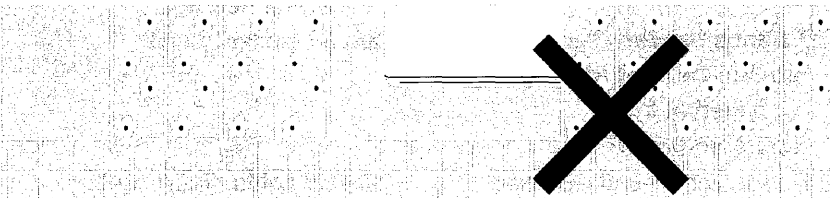
- Use the proper electrical fuse..
Do not pull out the power cord unless the unit is turned off.



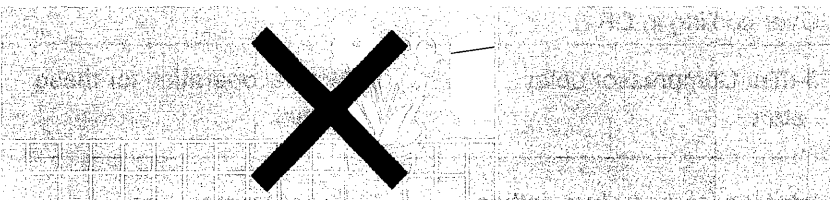
- Do not turn on or off air conditioner by inserting the power cord.



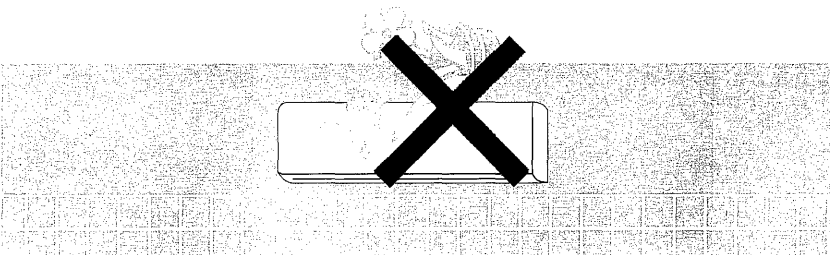
- Do not obstruct or block the air inlet or air outlet of the air conditioner.



- Do not insert any objects in the air outlet of the indoor or outdoor unit.



- Do not splash water on air conditioner.



IF NOISE IS HEARD

There may be hissing sound during operation or just after shut down. This is caused by the refrigerant that is circulating inside the unit

There may be a cracking sound at starting and stopping the unit's operation. This is caused by heat expansion or contraction of plastics.

BEFORE CALLING FOR SERVICE

Before calling for service, please check the following common malfunctions and correct it as needed.

Problem	Cause	Remedy
<ul style="list-style-type: none"> • Unit does not operate. Standby indicator does not light up. 	<ul style="list-style-type: none"> <input type="checkbox"/> Unit not connected to power <input type="checkbox"/> Power failure 	<ul style="list-style-type: none"> ■ Plug in the power cord. ■ Check main fuse.
<ul style="list-style-type: none"> • Unit does not operate. Standby indicator lights. 	<ul style="list-style-type: none"> <input type="checkbox"/> Remote control malfunctions <input type="checkbox"/> The remote control is locked. 	<ul style="list-style-type: none"> ■ Check remote control batteries. ■ Try to operate from a closer distance. ■ Start from on-unit controls. ■ Perform reset operation by pressing buttons: (10) (12) (18) (19) for 5 sec. ■ Unlock the remote control.
<ul style="list-style-type: none"> • Unit does not respond properly to remote control command. 	<ul style="list-style-type: none"> <input type="checkbox"/> IR signal does not reach unit. <input type="checkbox"/> Distance between remote control and unit too large or aimed at from improper angle. <input type="checkbox"/> IR receiver on-unit exposed to strong light source. 	<ul style="list-style-type: none"> ■ Check for obstruction between unit and remote control, Clear if needed. ■ Get closer to unit. ■ Dim lights, <i>fluorescent</i> especially
<ul style="list-style-type: none"> • Air does not blow out from indoor unit. 	<ul style="list-style-type: none"> <input type="checkbox"/> De-icing protection mode is activated. <input type="checkbox"/> Unit is in AUTO FAN mode. <input type="checkbox"/> Over cooling in DRY. 	<ul style="list-style-type: none"> ■ Normal operation in HEATING mode. ■ Normal operation in DRY mode.
<ul style="list-style-type: none"> • COOLING, DRY or HEATING does not start immediately. 	<ul style="list-style-type: none"> <input type="checkbox"/> 3-min. Compressor delay start. 	<ul style="list-style-type: none"> ■ Normal operation for these modes.
<ul style="list-style-type: none"> • Unit functions but does not perform sufficiently. 	<ul style="list-style-type: none"> <input type="checkbox"/> Improper temperature setting. <input type="checkbox"/> Unit capacity insufficient for load or room size. 	<ul style="list-style-type: none"> ■ Reset temperature. ■ Consult your dealer.