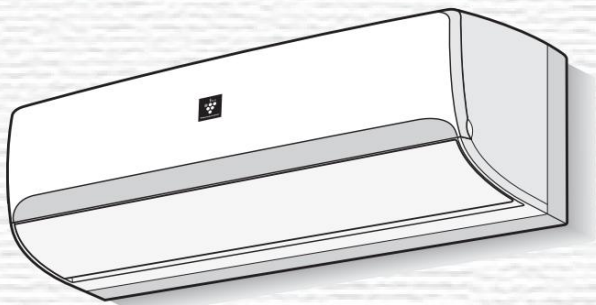


SHARP®



**SPLIT TYPE
AIR CONDITIONER
OPERATION MANUAL**

**INDIVIDUAL AIR CONDITIONER
IN TWO PARTS
INSTRUCTIONS FOR USE**

**AIR CONDITIONER
SPLIT TYPE
INSTRUCTION MANUAL**

ENGLISH

FRENCH

SPANISH

Uses Refrigerant R410A

ECO INVERTER

INDOOR UNIT

**AY-XP12THU
AY-XP18THU**

OUTDOOR UNIT

**AE-X12THU
AE-X18THU**



"Plasmacluster" and "Device of a cluster of grapes" are registered trademarks or trademarks of Sharp Corporation.

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Declaration of Conformity SHARP

AY-XP12THU, AY-XP18THU ROOM AIR CONDITIONER This device complies

with Part 18 of the FCC Rules.

Responsible Party:
SHARP ELECTRONICS CORPORATION Sharp
Plaza, Mahwah, New Jersey 07495-1163 TEL: 1-800-BE-SHARP

SHARP AY-XP12THU, AY-XP18THU ROOM AIR CONDITIONER

This ISM unit meets the Canadian ICES-001 standard.

Please read this manual carefully before using the product.
This manual should be kept in a safe place for easy reference.

LIMITED WARRANTY

LIMITED WARRANTY (VALID ONLY IN THE UNITED STATES OF AMERICA, GUAM, PUERTO RICO AND CANADA)

SHARP warrants that the product (the "Product"), when delivered in its original packaging, will be free from defects in materials and workmanship. Should a defect arise, SHARP will, at its option, repair or replace the defective part(s) with an equivalent new or refurbished part at no charge to the customer for the part(s) during the period and under the terms set forth below. This warranty applies only to Products purchased from authorized resellers and is not valid for Products purchased from unauthorized resellers or online.

This warranty does not apply to decorative elements of the Product or to the additional excluded element(s) presented below or to a Product whose external appearance has been damaged or degraded, which has been subjected to an inappropriate voltage (including due to a surge or lightning), to misuse, abnormal maintenance or handling, or whose design or construction has been altered or modified.

To ensure that the rights provided under this limited warranty are applicable, the customer must follow the steps set forth below and provide proof of purchase and installation date to the service provider and/or SHARP.

The limited warranty described herein is in addition to any implied warranties that may be granted to consumers by law. ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS ARE LIMITED TO THE PERIOD(S) FROM THE DATE OF PURCHASE DESCRIBED BELOW.

Some states do not allow limitations on how long an implied warranty lasts, so this limitation may not apply. Neither the dealer's sales personnel nor any other person is authorized to make any warranty other than those described herein, or to extend the warranty period beyond the period described herein on SHARP's behalf. The warranties described herein constitute the sole and exclusive warranties made by SHARP and are the sole and exclusive remedy available to the consumer. Correction of defects, in the manner and for the period described herein, shall constitute complete discharge of all responsibilities and obligations of SHARP to the customer with respect to the Product, and shall constitute full satisfaction of any claim whether in contract, negligence, strict liability or otherwise. In no event shall SHARP be liable for any damage or defect to the Product caused by repairs or attempted repairs made by anyone other than an authorized technician. SHARP shall also not be liable in any event for any incidental or consequential economic or property damages. Some provinces do not allow the exclusion of incidental or consequential damages, so this limitation may not apply.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM PROVINCE TO PROVINCE.

WARRANTY PERIOD FOR THIS PRODUCT:

In the United States and Canada - For a period of seven (7) years from the date of installation, SHARP will replace a defective compressor with a new, or at its option, reconditioned replacement part. For all other performance-defective parts, SHARP will provide replacement parts for a period of six (6) years from the date of installation.

In Puerto Rico and Hawaii - For a period of five (5) years from the date of installation, SHARP will replace a defective performance part, including a compressor, with a new, or at its option, reconditioned replacement part. In Guam - For a period of one (1) year from the date of installation, SHARP will replace a defective performance part, including a compressor, with a new, or at its option, reconditioned replacement part.

ADDITIONAL ITEMS EXCLUDED FROM THIS WARRANTY:

- Any labor required to remove and reinstall a defective part.
- Filters, accessories, or any printed material.

- Any defect resulting from transportation or incorrect handling.

- Installation or removal of the system or any component.

Operation, installation or use of the Product in a manner not in accordance with the methods specified in the user manual and in the installation documents.

- Any product that has been removed from its original installation location.

TO BENEFIT FROM WARRANTY SERVICE:

Warranty service is provided by SHARP CORPORATION authorized dealers or distributors and not by SHARP CORPORATION or its subsidiaries. For warranty service requests, please contact the authorized dealer from whom the Product was purchased directly. Sharp will provide warranty parts only through the authorized dealer or distributor.

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USER MANUAL NOTICES FOR FCC

This device complies with Part 18 of the FCC Rules.

Warning: Any changes or modifications to this device not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This device has been tested and found to comply with the limits for a Class B ISM device, pursuant to Part 18 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if improperly installed and not used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation distance between the equipment and radio/TV receiver.
- Connect the equipment into an outlet on a circuit different from that to which the radio/TV receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

SAFETY INSTRUCTIONS

CAUTIONS • Please do not

pull or modify the power cord.

Pulling or otherwise misusing the power cord may damage the appliance and cause electric shock.

- Do not expose your body directly to air conditioning for a long time. This may be harmful to your health. • When using the air conditioner for infants, young children, the elderly, bedridden and/or disabled people, make sure that the room temperature is appropriate for the people in the room. • Do not insert any object into the unit. The rotation of the fan is a potential source of injury. • The air conditioner must be grounded. Do not connect the grounding wire to a gas pipe, water pipe, lightning rod or telephone grounding wire. Improper grounding may result in electric shock.

- In the event of an abnormal situation (e.g. burning smell), stop operation immediately, turn off the circuit breaker and contact your installer.

- The appliance must be installed in accordance with local wiring regulations. Incorrect cable connection may cause the power cord, plug and electrical outlet to overheat and cause a fire.

- Please do not splash or pour water directly onto the unit. Water may cause electric shock or damage the unit.

- Do not attempt to install, disassemble or repair the unit by yourself. Improper operation may result in electric shock, water leakage, fire, etc. Consult your dealer or a qualified service center for installation, disassembly and repair of this unit.

CAUTION • Be

sure to open doors and windows periodically to ventilate the room, especially when using gas appliances. Insufficient ventilation can cause a lack of oxygen.

- Do not operate the remote control buttons or the indoor unit buttons/switches with wet hands. Doing so may cause electric shock. • As a safety precaution, turn off the circuit breaker when the unit is not used for a long period of time. • Periodically check the outdoor unit mounting rack for wear to ensure that it remains securely fixed in place. • Do not place objects on or step on the outdoor unit. Doing so may cause injury or damage to the air conditioning system.

- This appliance is designed for light commercial and residential use only. Please do not use it for other applications, such as in a kennel or greenhouse for raising animals or growing plants. • Do not place vases or other objects containing water on the appliance. Water may enter the unit and cause a delayed electric shock. • Do not block the air inlets and outlets of the appliance.

This may cause improper operation or failure of the unit.

- Be sure to stop operation and turn off the circuit breaker before carrying out any maintenance or cleaning. Ensure that the fan is switched off before carrying out any work on the appliance. • This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance. • Be sure to connect the air conditioner to a power supply of appropriate voltage and frequency.

Using a power supply with an incorrect voltage and frequency may damage the unit and cause a fire. • Do not install the unit in a location where flammable gases may be present. This may cause a fire. Install the unit in a location with little dust, smoke, and moisture. • Arrange the drain hose to ensure easy drainage. Insufficient drainage may cause water leakage, damage furniture, etc. • Install an earth leakage circuit breaker according to the installation location of the unit (e.g., in a high humidity area). If an earth leakage circuit breaker is not installed, there may be a risk of electric shock.

TV or Radio Interference If this air

conditioner does cause harmful interference to radio or TV signals, try to correct the interference by one or more of the following measures: • Reorient or relocate the antenna. • Increase the separation between the air conditioner and the radio/TV receiver. • Connect the air conditioner into an outlet on a circuit different from that to which the radio/TV receiver is connected. • Consult the dealer or an experienced radio/TV technician.

This product meets the requirements of the international standard CISPR 11.

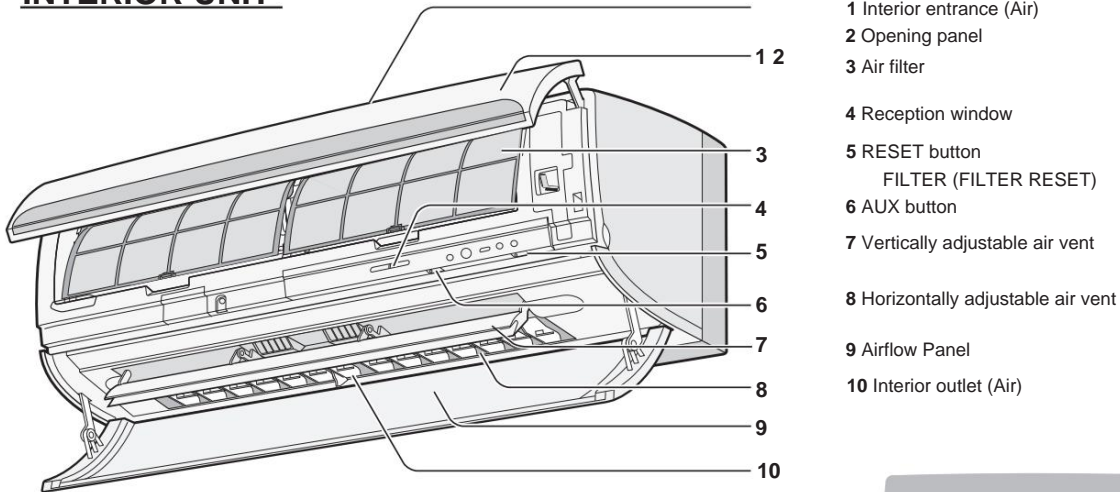
In accordance with this standard, this product is classified as Group 2 Class B equipment.

Group 2 means that the equipment intentionally generates radio frequencies in the form of electromagnetic radiation for EDM equipment.

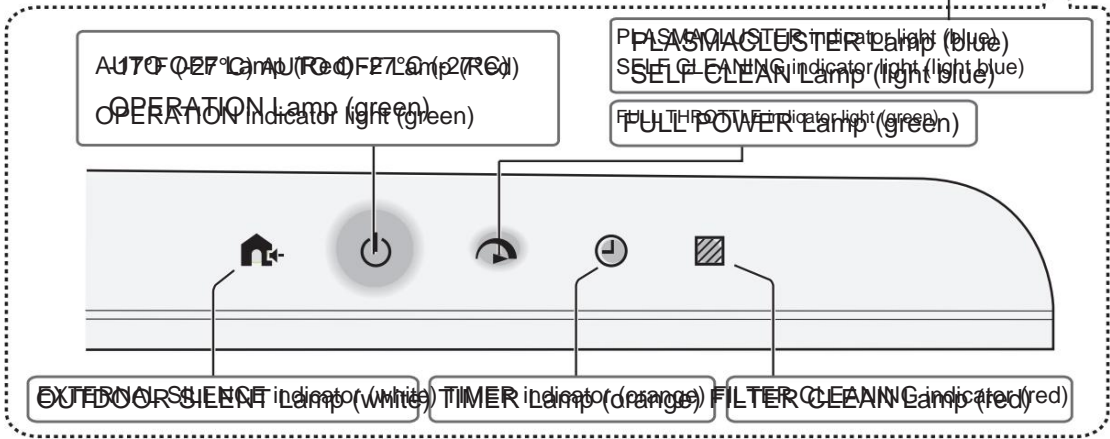
Class B indicates that the equipment is suitable for use in domestic establishments.

NOMENCLATURE

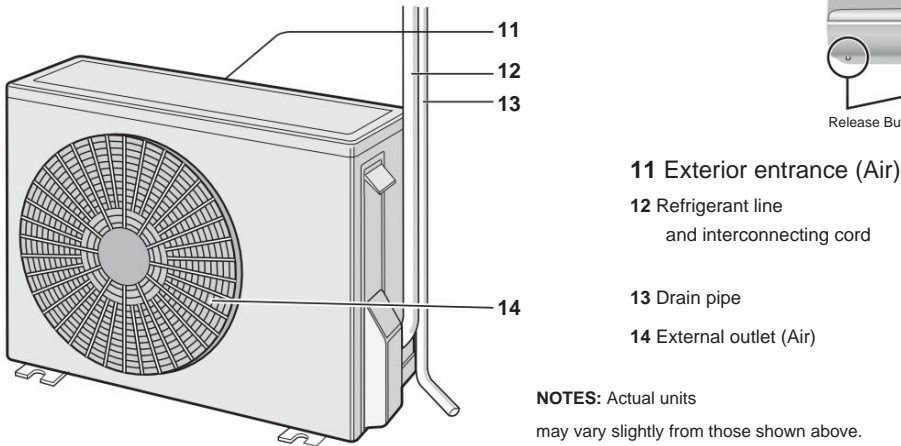
INTERIOR UNIT



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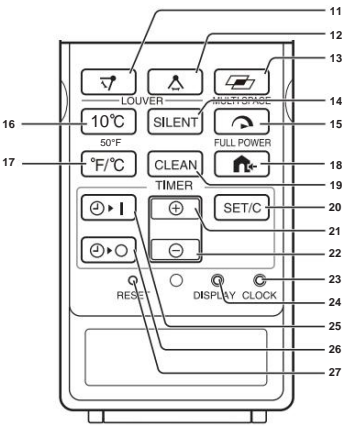
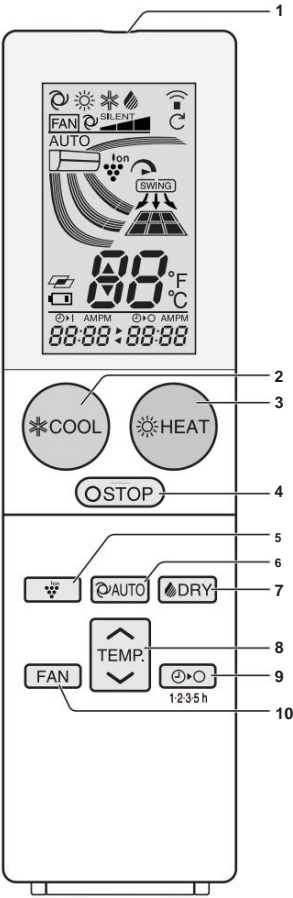


EXTERIOR UNIT



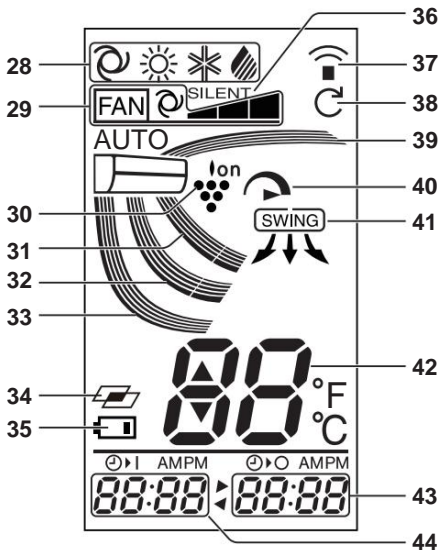
NOTES: Actual units may vary slightly from those shown above.

REMOTE



- 1 TRANSMITTER
- 2 COOL button
- 3 HEAT button
- 4 STOP button
- 5 PLASMACLUSTER key
- 6 AUTO button
- 7 DRY button
- 8 TEMPERATURE button (TEMP.)
- 9 TIMER OFF button 1.2.3.5h
- 10 FAN button
- 11 LOUVER key (vertical direction)
- 12 LOUVER key (horizontal direction)
- 13 MULTI SPACE key
- 14 SILENCE button (SILENT)
- 15 FULL POWER button
- 16 Touch 10°C
- 17 °F/°C CHANGE key
- 18 EXTERIOR SILENCE key
- 19 SELF CLEAN button
- 20 SETTINGS button (SET/C)
- 21 TIME ADVANCE button
- 22 TIME BACK button
- 23 CLOCK button
- 24 DISPLAY key
- 25 START TIMER button
- 26 OFF TIMER button
- 27 RESET button

DISPLAY



- 28 FASHION Symbols
- 29 FAN SPEED Symbols
- 30 PLASMACLUSTER Symbol
- 31 AIRFLOW Symbol (VERTICAL AIRFLOW)
- 32 AIRFLOW Symbol (VERTICAL AIRFLOW)
- 33 AIRFLOW Symbol (VERTICAL AIRFLOW)
- 34 MULTI SPACE Symbol
- 35 BATTERY Symbol
- 36 SILENCE Symbol
- 37 TRANSMISSION Symbol
- 38 SELF-CLEANING symbol
- 39 AIRFLOW Symbol (VERTICAL AIRFLOW)
- 40 FULL THROTTLE symbol
- 41 AIRFLOW Symbol (HORIZONTAL AIRFLOW)
- 42 TEMPERATURE indicator light
- 43 SHUTDOWN TIMER display
- 44 START TIMER display / CLOCK

USING THE REMOTE CONTROL

INSTALLING BATTERIES

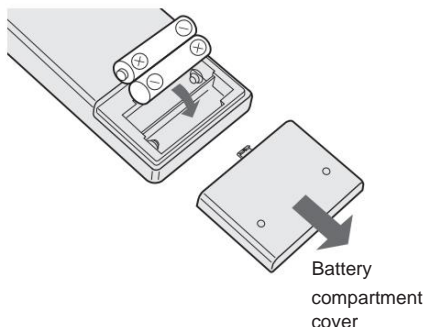
Use two AAA (R03) size batteries.

1 Remove the control cover.

2 Make sure the (+) and (-) polarities are correctly aligned.

- The display shows "AM 6:00" when the batteries are correctly installed.

3 Reinstall the cover.



REMARKS :

- Battery life is approximately one year for normal use.
- Replace the batteries when the remote control displays " ".
- It is not recommended to use rechargeable batteries.
- When replacing batteries, always replace the two batteries at the same time, and make sure they are of the same type.
- If the appliance is not to be used for a long period, remove the batteries from the remote control.

SETTING THE CLOCK

There are two clock modes: 12 hour and 24 hour.

1 To use 12-hour mode, press the CLOCK key once.

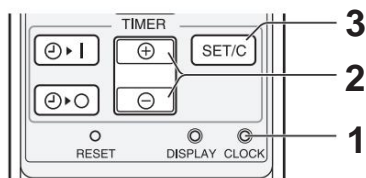
To use 24-hour mode, press the CLOCK button twice.

2 Press the FORWARD or BACKWARD keys

- Hold the key to move forward or backward time faster.

3 Press the SETTINGS button (SET/C).

The colon (:) flashes.



REMARKS :

- The current time cannot be set when the timer is active.

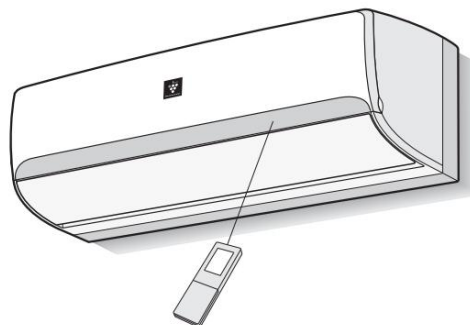
HOW TO USE THE REMOTE CONTROL

Point the remote control at the receiving window of the device signal and press the desired key. The device beeps when it receives the signal.

- Make sure there are no objects between the remote control and the device.
- The remote control can send signals from a distance of 7 meters.

ATTENTION :

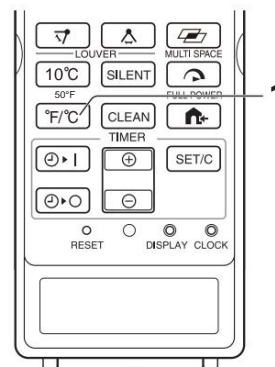
- Avoid exposing the receiving window to light direct sunlight. This could prevent its proper operation.
- The use of certain fluorescent lamps in the same room may interfere with signal transmission.
- Do not expose the remote control to direct light sunlight or leave it near a heat source. Protect the unit and the remote control from humidity and shocks.
- The current time cannot be set when the timer is active.



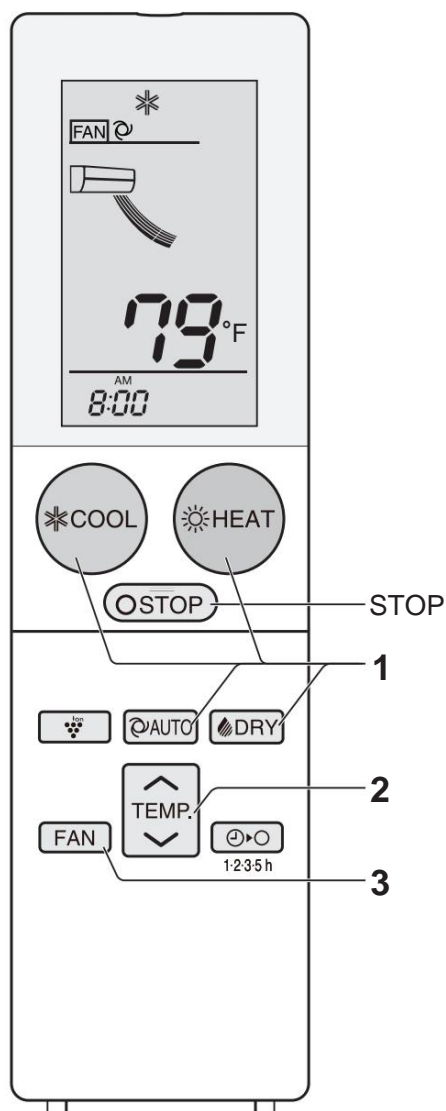
CHANGING THE °F/°C DISPLAY

- During operation press the CHANGE (°F/°C) key
- The temperature display on the remote control changes from "°F" (Fahrenheit) to "°C" (Celsius)

and vice versa.



BASIC OPERATION



REMARKS : AUTO MODE TIPS

- In AUTO mode, the appliance automatically selects COOL or HOT mode by comparing the room temperature and desired temperature.
- The appliance automatically switches from HOT mode to COOL mode to maintain the desired temperature.
- The 10°C and MULTI ESPACE buttons (MULTI SPACE) will be disabled in AUTO mode.

1 Press the COOL, DRY, AUTO, or HEAT button.

: COOL : : HOT
 : AUTO : : DRY

- The green OPERATION indicator lights up.

light (TO TURN OFF THE DEVICE)

Press the STOP button.

- The green OPERATION indicator light () goes out.

2 Press the TEMPERATURE button

(TEMP.) to set the desired temperature.

(COOL/HOT/AUTO MODE)

Temperature adjustment range: 6-30°C.

(DRY MODE)

The temperature can be changed up to 2°C above or below the temperature automatically determined by the air conditioner.

(Example: 2°C higher)



(Example: 2°C lower)



3 Press the FAN button

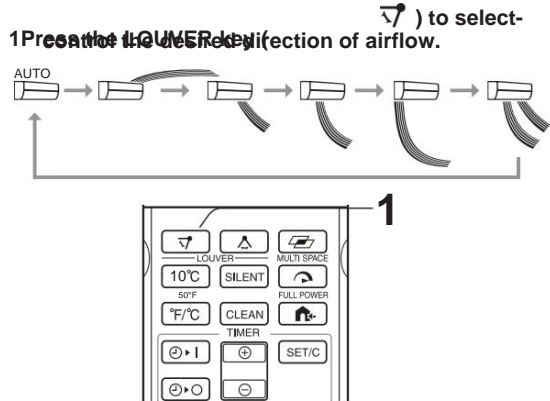
to set the desired fan speed.



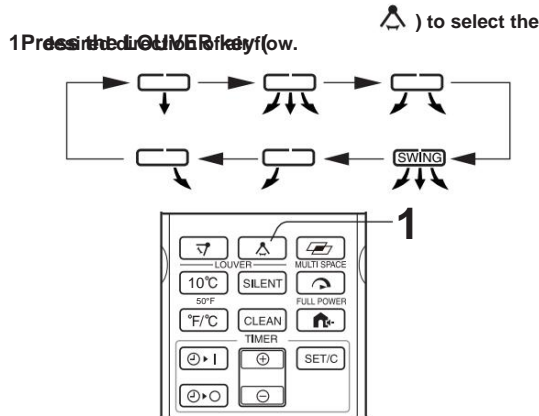
- In DRY mode, the fan speed is adjusted on AUTO and cannot be changed.

STEERING ADJUSTMENT AIRFLOW

VERTICAL AIRFLOW DIRECTION



HORIZONTAL DIRECTION OF AIRFLOW



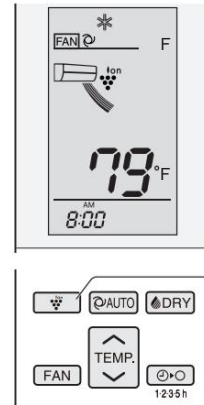
CAUTION: Never

attempt to adjust the adjustment flaps manually. • Manual adjustment of the adjustment flaps may cause the appliance to malfunction. • When the vertical adjustment flap is set to the lowest position in COOL mode or DRY mode for an extended period of time, condensation may form.

HOW THE PLASMACLUSTER WORKS

Plasmacluster ions released into the room are effective against airborne contamination, such as mold, viruses and allergens.

- 1 During operation, press the **PLASMACLUSTER** key. • The remote control then displays “Ion”.
- The blue PLASMACLUSTER indicator on the unit will light up.



TO CANCEL Press

the **PLASMACLUSTER** button again. • The PLASMACLUSTER indicator on the unit will turn off.

NOTES: • The

PLASMACLUSTER operation setting will be memorized and will be activated again the next time you turn on the air conditioner.

- To use the Plasmacluster function in FAN mode only, press the PLASMACLUSTER button when the unit is not operating. The mode symbol on the remote control disappears and the fan speed cannot be set to AUTO.

- Plasmacluster is an original technology from Sharp. For more information, please visit: <http://www.sharp-world.com/pci/en>

TIPS ON “AUTO” AIRFLOW DIRECTION

COOL Mode

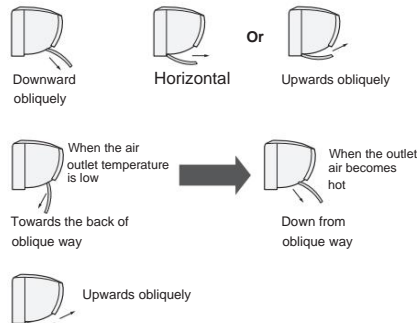
The opening panel will be set downward obliquely for less than 20 minutes, then move to horizontal or upward obliquely to direct cool air to the ceiling.

HOT Mode

The opening panel will be set downward obliquely when the air temperature is low, and then move downward obliquely when the outlet air becomes hot.

DRY Mode

The opening panel will be set upwards obliquely.



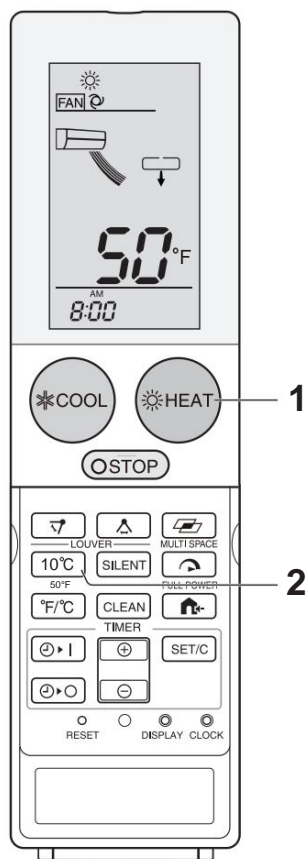
OPERATION 10°C

The unit will operate in heating mode at 10°C to prevent the room from freezing when you are not at home for an extended period of time.

1 Press the HOT button to start operation in HOT mode.

2 Press the 10°C (50°F) button.

•The remote control will display "10°C (50°F)".



TO CANCEL

Press the 10°C (50°F) button again.

NOTES: • 10°C

mode will not be available if the operation heating is automatically set to AUTO mode.

MULTI-SPACE OPERATION

By pressing this button, the unit will cool or heat multiple rooms in well-insulated houses.

1 During operation in mode of heating or cooling, press the MULTI SPACE key.

The remote control will display " " and the speed icon the fan will switch to " ".

The flap angle will move to the transfer position long distance of cool or warm air.

(HOT mode)

• The remote control then displays



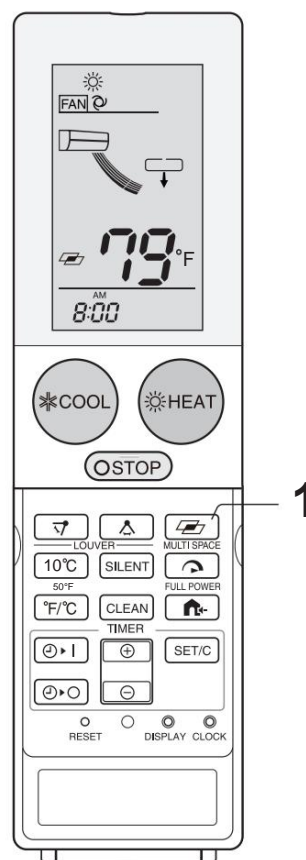
(COOL/DRY mode)

• The remote control then displays



TO CANCEL

Press the MULTI SPACE key again.



REMARKS :

•The unit will operate at the "Very Low" fan speed.

HIGH" for 15 minutes for long air conditioning transfer distances, then switches to fan speed "HIGH" after 15 minutes.

• The SILENCE and FAN SPEED buttons will be disabled in this mode.

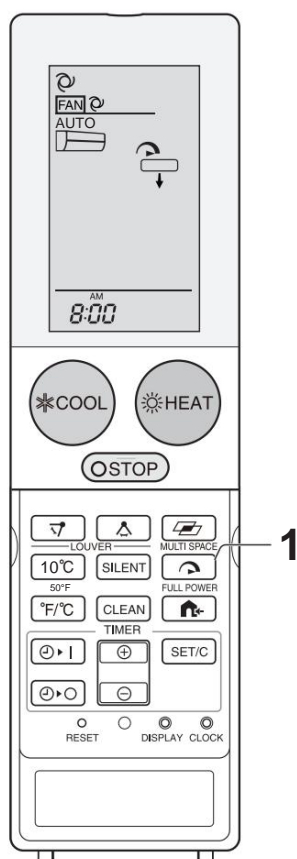
•The usefulness of this function may differ depending on the room arrangement, the unit installation position, and the level of insulation of the space in question.

FULL-SPEED OPERATION

In this mode, the air conditioner operates at maximum power to make the room warm or cool quickly.

1 Press the FULL THROTTLE button. (POWER) during operation.

- The remote control then displays • The " " . temperature display turns off.
- The green FULL THROTTLE indicator light (will illuminate) on the unit.



QUIET OPERATION

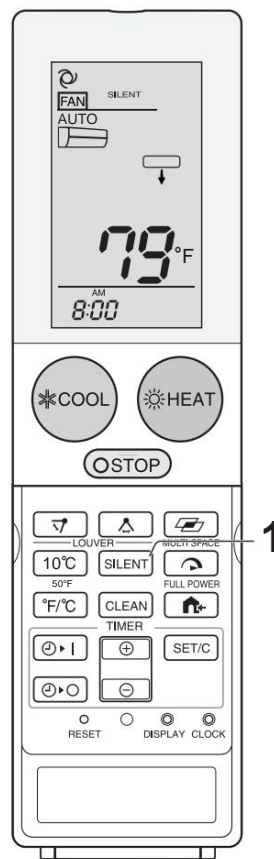
The device operates at fan speed "Ultra LOW" for more comfort and quieter operation.

1 During operation in COOL, WARM mode and AUTO, press the SILENCE key.

- The speed icon on the remote control will display "SILENT" (SILENCE).

TO CANCEL

Press the SILENCE button again.



TO CANCEL

Press the FULL POWER button again.

- The green FULL THROTTLE indicator light (turns off on the unit.

REMARKS :

- The unit will operate at the "Very Low" fan speed. HIGH" for 15 minutes for long air conditioning transfer distances, then passes at "HIGH" fan speed after 15 minutes.
- During FULL RPM operation you cannot adjust temperature or fan speed.

SELF-CLEANING FUNCTION

The SELF-CLEANING function helps to limit the mold and fungus growth due to the Plasmacluster ions, while drying the interior of the device. Use this function during periods of seasonal change, from time to time.

1 Press the SELF-CLEANING button (SELF CLEAN) when the appliance is stopped.

- The remote control then displays "C".

(THE "C" automatically disappears after one minute.)

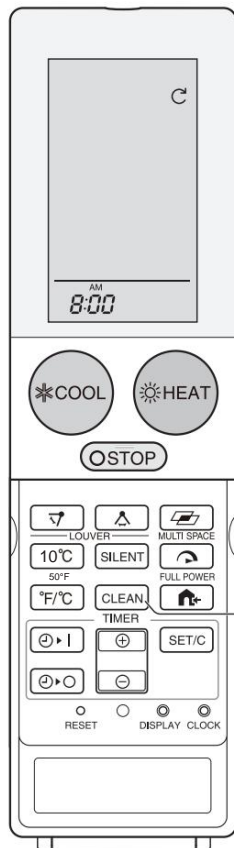
- The SELF-CLEANING light blue indicator lights up on the unit.

- The device stops after 90 minutes of operation.

TO CANCEL

Press the STOP button.

- The light blue SELF-CLEANING indicator light turns off on the unit.



DISPLAY KEY

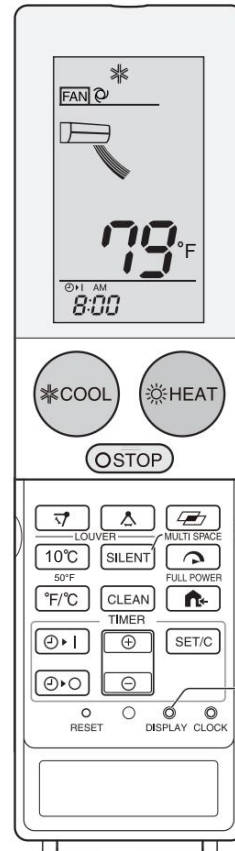
Press the DISPLAY key when the lights on the unit are too bright.

1 During operation, press the key

- The indoor unit indicator lights become less bright.

TO LIGHT

Press the DISPLAY key again (DISPLAY).



REMARKS :

- You cannot adjust the temperature, speed of the fan, airflow direction or timer during operation in SELF-CLEANING mode.
- Mold and fungi already present do not are not eliminated by this function.
- SELF-CLEANING and PLASMACLUSTER uses normal LEDs, only the color of the lights is different.

SILENT OPERATION OUTSIDE

Activate this mode to limit the noise level of the unit exterior during operation. This mode can be particularly practical at night, if you do not do not wish to disturb the peace of your neighbors.

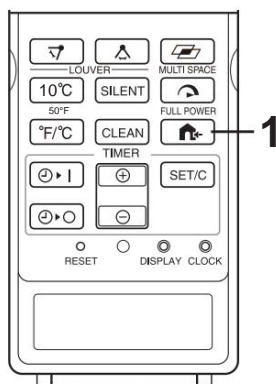
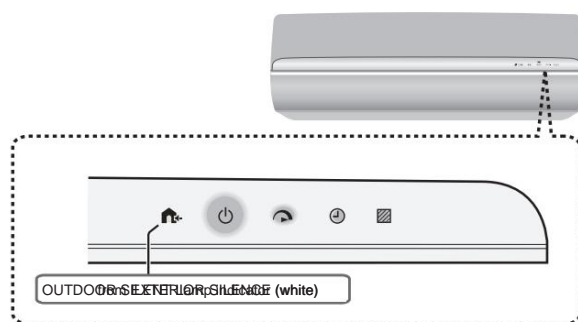
1 During operation, press the **EXTERNAL SILENCE** key.

- The white EXTERNAL SILENCE indicator lights up on the unit.

TO CANCEL

Press the **EXTERIOR SILENCE** button again.

- The white EXTERNAL SILENCE indicator light LAUGHTER goes out on the unit.



REMARKS :

- If the EXTERNAL SILENCE function is used with the FULL RPM or MULTI SPACE functions, the performance level may be limited compared to operation without the EXTERIOR SILENCE function.
- If the unit is turned off in operating mode EXTERNAL SILENCE, unit will not remember to activate the EXTERNAL SILENCE function after its restart.
- The noise level of the outdoor unit will not decrease not if the noise level has decreased sufficiently in stable conditions.

AUXILIARY MODE

Use this mode if the remote control is not available.

TO TURN ON THE DEVICE

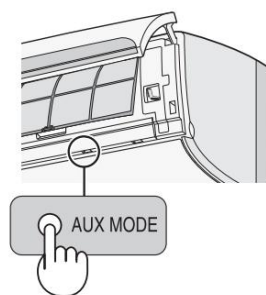
Press the **AUX** button.

- The green OPERATION indicator light () lights up on the unit and the device starts working in AUTO mode.
- Fan speed and temperature are set to AUTO.

TO TURN OFF THE DEVICE

Press the **AUX** button again.

- The green OPERATION indicator light () on the unit. turns off



ENERGY SAVING TIPS

Below are some simple ways to save energy while using your air conditioner.

SET THE PROPER TEMPERATURE

- Set the thermostat to a higher temperature (or lower) than necessary results in a increase in energy consumption.

BLOCK DIRECT SUNLIGHT AND AVOID DRAFTS.

- Block direct sunlight in air conditioning mode helps reduce electricity consumption.
- Close windows and doors in safe mode cooling and heating.

ADJUST THE AIRFLOW DIRECTION CORRECTLY TO ACHIEVE OPTIMAL AIR CIRCULATION.

KEEP THE FILT REPROPRE TO ENSURE OPTIMAL OPERATION.

USE THE TIMER FUNCTION TO THE MAXIMUM.

UNPLUG THE POWER CORD WHEN THE APPLIANCE IS NOT IN USE FOR AN EXTENDED PERIOD OF TIME.

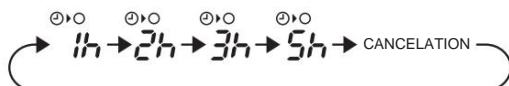
- The unit continues to consume a small amount of current when not working.

HOW THE TIMER WORKS

When the OFF TIMER 1. 2. 3. 5h function is used, the unit will automatically turn off after the set time.

OFF TIMER 1.2.3.5h

- 1 When the OFF TIMER function is used, the unit will automatically turn off after the set time.



•The orange TIMER indicator light () on the unit. () lights up

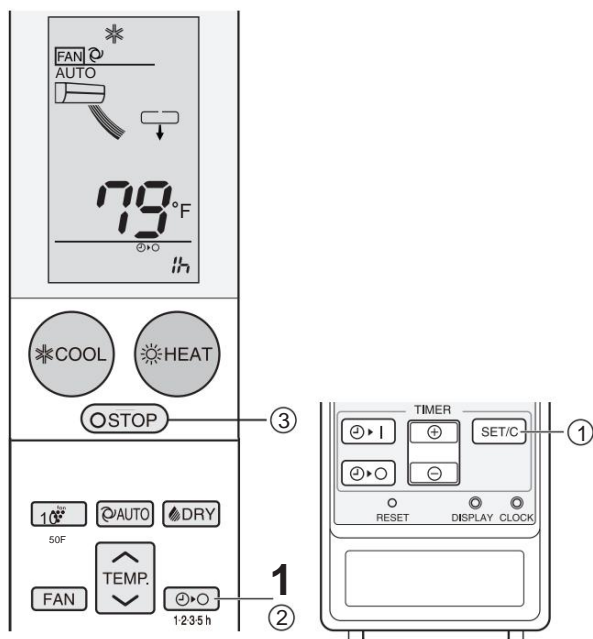
•The remaining time is indicated on the remote control in one hour increments.

TO CANCEL

- ① Press the SETTINGS (SET/C) button.
- ② Press the OFF TIMER button 1.2.3.5h.

- ③ Press the STOP button. •The orange TIMER indicator () on the unit turns off.

• The current time is displayed on the remote control.



REMARKS :

•The OFF TIMER 1. 2. 3. 5h takes priority over the ON TIMER and OFF TIMER functions.

•If the OFF TIMER 1.2.3.5h is set when the unit is not started, the unit will operate according to the previously entered settings and will stop after a given period of time.

Before setting the timer, make sure the clock is set to the correct time.

SHUTDOWN TIMER

- 1 Press the SLEEP TIMER button.

RÉT () ()

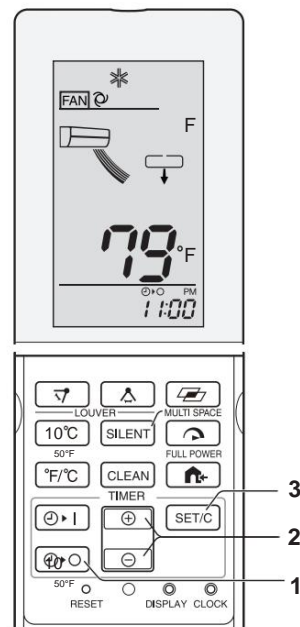
- 2 The OFF TIMER indicator will flash, press the TIME ADVANCE () or TIME BACKWARD () button to set the desired time.

()

The time can be set in 10 minute increments.

- 3 Press the SETTINGS button (SET/C).

•The orange TIMER indicator light () lights up on the unit.



TIPS ON OPERATION OF THE SLEEP TIMER When the SLEEP TIMER mode is activated,

the temperature is automatically adjusted to prevent the room from being too hot or too cold while you sleep. (Auto sleep function)

COOL / DRY MODE:

•One hour after the timer starts, the temperature setting increases by 1°C from the original temperature setting.

HEATING MODE

•One hour after the timer starts, the temperature setting drops 3°C from the original temperature setting.

START TIMER

1 Press the **START TIMER** () button.



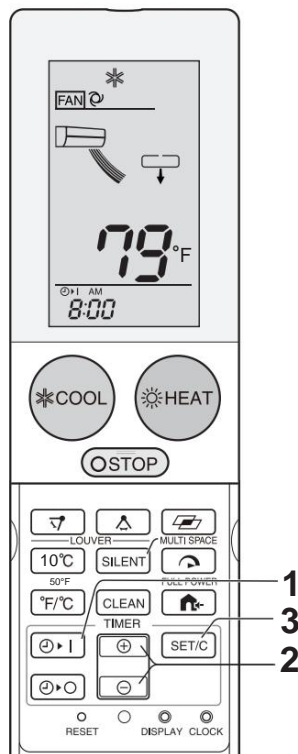
2 The **START TIMER** indicator will flash, press the **TIME ADVANCE** () or **TIME BACKWARD** () button to set the desired time.



- The time can be set in 10 minute increments.
- Select the operating condition.

3 Press the **SETTINGS** button (SET/C).

- The orange **TIMER** indicator light (on the unit.) lights up



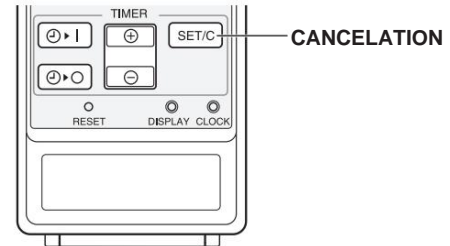
REMARKS :

- The device turns on before the set time in order to allow the room to reach temperature desired at the scheduled time. (Alarm function)

TO CANCEL (START and STOP TIMER functions)

Press the **TIMER CANCEL** button (SET/C).

- The orange **TIMER** indicator () on the unit will turn off.
- The current time is displayed on the remote control.



TO CHANGE TIMER SETTINGS

Cancel the **TIMER** settings, then re-enter them.

TO COMBINE TIMERS OF START AND STOP

START and **STOP** TIMERS cannot be set at the same time.

Setting the OFF and ON TIMERS. • The settings will be automatically combined.

Example

(Current time: 21:00 (9:00 pm))

SHUT-OFF TIMER at 23:00 (11:00 PM).

START TIMER at 7:00 (7:00 AM).



- The arrow () between the **START TIMER** and **STOP TIMER** indicators indicates which timer will activate first.

REMARKS :

- You cannot program **TIMERS** **START** and **STOP** to operate the device at different temperatures or with different settings.
- The order of activation of the two timers can be changed in settings.
- When the **SET/C** button is pressed, all the timer settings are canceled (including **ON**, **OFF** and **OFF TIMER** 1.2.3.5h).

INTERVIEW

BEFORE PERFORMING MAINTENANCE

Make sure to turn off the circuit breaker before performing maintenance work.

1 Turn off the device.

2 Wait 5 seconds or more once the airflow panel completely closed then turn off the circuit breaker.

CLEANING THE FILTERS

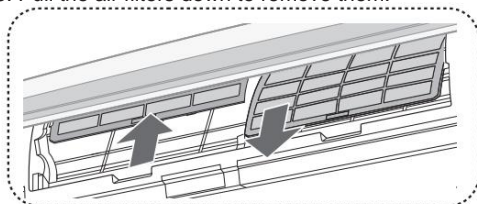
The red CLEAN FILTERS indicator light () on the display panel will light up to indicate that the air filters must be cleaned if the appliance has accumulated more than 720 hours of operation.



1 Turn off the device.

2 Remove the filters.

1. Lift the opening panel.
2. Push the air filters slightly towards the up to unlock them.
3. Pull the air filters down to remove them.



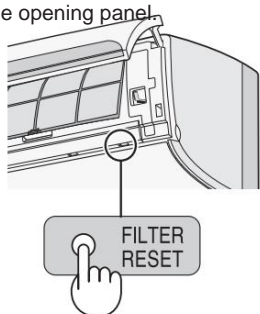
3 Clean the filters.

Use a vacuum cleaner to remove dust. If the filters are dirty, wash them with water warm water and mild detergent. Dry the filters in the shade before putting them back in place.

4 Reinstall the filters.

- 1 Reinstall the filters in their original positions.
- 2 Press the RESET button.
FILTER (FILTER RESET). The red indicator light CLEANING FILTERS () turns off (Accumulated operating time is then reset to "0").

3 Close the opening panel.



BEFORE AND AFTER THE CHANGE OF SEASON, PERFORM OPERATIONS NEXT TO PRESERVE THE GOOD OPERATION OF THE DEVICE.

1 Run the appliance in SELF-CLEANING mode to dry the appliance.

2 Stop operation by pressing the STOP button on the remote control when finished, then turn off the circuit breaker.

3 Inspect the air filters and remove them for cleaning.

4 Reinstall the air filters and check a possible obstruction of the entrance and the air outlet.

CLEANING THE DEVICE AND THE REMOTE

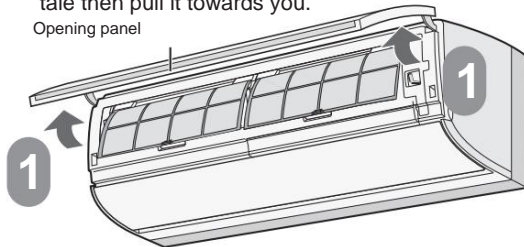
- Wipe with a soft cloth.
- Avoid splashing or pouring water on the appliance. This may cause electric shock or damage the device.
- Do not use hot water, thinner, powders abrasives or strong solvents.

REMOVING THE OPENING PANEL The opening panel can be removed for cleaning.

- 1 Open the panel.** • Hold the left and right sides of the panel and then lift it up.

2 Remove the panel.

- Raise the panel to a near-horizontal position. Then pull it towards you.



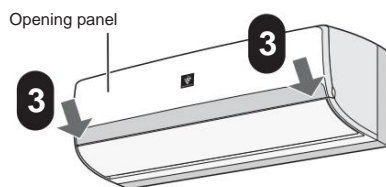
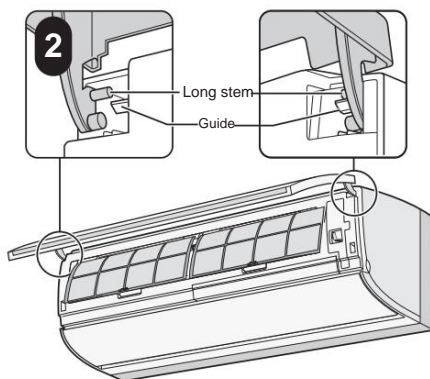
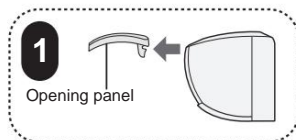
INSTALLING THE PANEL
OPENING

1 Place the panel horizontally.

2 Place the long rod into the guide from above and push it until it clicks.

3 Close the opening panel.

- Push the points marked with arrows on the opening panel until it clicks.



REMOVING THE AIRFLOW PANEL The airflow panel can be removed for cleaning.

1 Turn off the device.

- Wait 5 seconds or more after the airflow panel is completely closed and then turn off the circuit breaker.

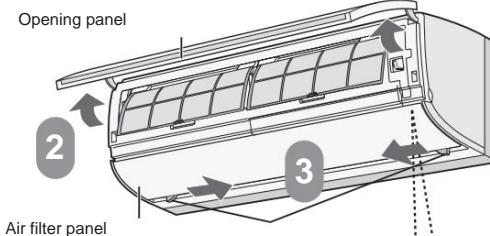
2 Lift the opening panel.

3 Unlock the airflow panel.

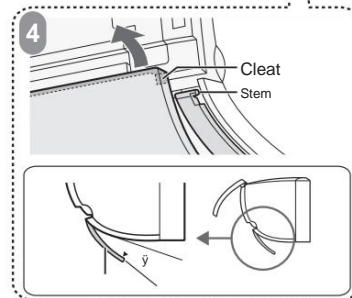
- Push the release button (gray) and open the lower part of the airflow panel.

4 Remove the airflow panel.

- Slightly lift the airflow panel to the position shown in the illustration and remove it.



Air filter panel



INSTALLING THE AIRFLOW PANEL

1 Hook the two cleats onto the rod.

- There is a rod on each side of the unit.

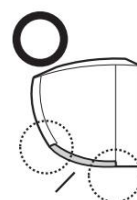
2 Close the airflow panel.

3 Push the points marked with arrows on the airflow panel until it clicks.

4 Close the opening panel.

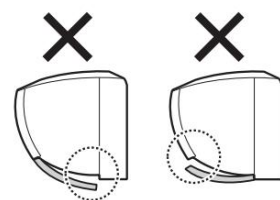
- Once set up, be sure to close firmly the airflow panel.

Acceptable



Opening panel

Unacceptable



OTHER NOTES ON OPERATION

OPERATING TEMPERATURE RANGE

		INDOOR TEMP.	OUTDOOR TEMP.
COOLING	upper limit	32.2°C/46.1°F	
	lower limit		-10°C
HEATING	upper limit	21.1°C/27.2°F	23.9°C
	lower limit	-	-25°C

- Built-in protection device can prevent this unit to operate when it is used out of this range.
- Condensation may form on the air outlet if this unit is operated continuously in COOL or DRY mode and the humidity exceeds 80 percent.

IN CASE OF POWER FAILURE

This air conditioner is equipped with a memory function to remember settings in case of power failure fluent.

When power is restored, the device will restart automatically with the same settings that were active before the power failure, except for settings of the timer.

If the timers were set before a power outage current, they will need to be set again once power restored.

PREHEATING FUNCTION

In HEATING mode, the indoor fan can do not start before two to five minutes after the device startup to prevent the device from releases cold air.

DEFROST FUNCTION

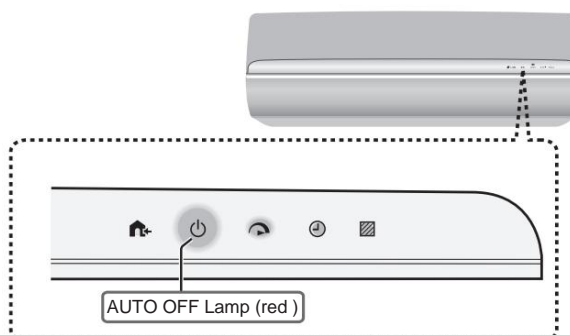
- When ice forms on the exchanger of heat in the outdoor unit in mode HEATING, an automatic defroster provides heat for about 5 to 10 minutes to eliminate ice. During defrosting, the fans interior and exterior stop rotating.
- Once defrosting is complete, the unit continues automatically its operation in mode HEATING.

HEATING EFFICIENCY

- The device uses a heat pump which draws the heat from the outside air and releases it into the room. The outside air temperature thus affects significantly the heating efficiency.
- If the heating efficiency is reduced due to low outside temperatures, use a additional heating.
- Preheating and heating of the entire room can take time, because of the traffic system forced air.

AUTO STOP FUNCTION -27°C

- In heating mode, the unit automatically stops when the outside temperature drops below -27°C, in order to prevent the water from drain does not freeze and the outdoor unit is not damaged. Unit shuts down for 4 hours then resumes operation when the outside temperature exceeds -25°C.
- The outside temperature will be detected by the thermometer built into the unit. The temperature detected temperature may differ from the actual temperature depending on the installation location and environment.
- The red AUTOMATIC STOP indicator light comes on. mera when the unit stops.
- This feature can be disabled if you do not wish to use it. Please contact your installer if you wish to disable this feature.
- Whether this function is enabled or not, the lower operating limit of the heating mode remains -27°C.



BEFORE CALLING CUSTOMER SERVICE

The following conditions do not indicate a malfunction of the device.

THE DEVICE DOES NOT WORK

The device does not start if it is turned on immediately after being turned off. The device does not operate immediately after a power change.
mode. This is to protect the internal mechanism.
Wait 3 minutes before operating the appliance.

THE DEVICE DOES NOT REJECT HOT AIR.

The unit is in preheat or defrost mode.

ODORS

The smells of carpet and furniture coming in in the appliance can be released from the air conditioner.

CRACKING NOISE

This noise is generated by the friction of the device expanding or contracting due to temperature variations.

LOW HUM

This sound is heard when the device is generating Plasmacluster ions.

LIGHT RUSTING SOUND

The soft whirring sound is produced by the refrigerant circulating inside the appliance.

WATER VAPOR AT THE OUTSIDE AIR INTAKE

In cooling operation this is caused by the temperature difference between the interior and the expelled air.

WATER VAPOR

In heating operation, water vapor may be discharged from the outdoor unit during defrosting.

THE OUTDOOR UNIT DOES NOT STOP

After stopping operation, the outdoor unit does run its fan for about a minute to cool the unit.

ODOR EMITTED BY PLASTIC AIR OUTLET-MACLUSTER

This smell is that of ozone generated by the Plasmacluster plasma ion generator. The ozone density is very low and will not affect your health. Ozone dispersed in the air will decompose quickly and its density in the room will not increase.

Check the following points before calling for service.

IF THE UNIT DOES NOT WORK

Check if the circuit breaker has been tripped or the fuse is blown.

IF THE APPLIANCE DOES NOT HEAT (OR COOL) THE ROOM CORRECTLY

- Check the filters. If they are dirty, clean them.
- Check the outdoor unit to make sure nothing does not block the air inlet or outlet.
- Check that the thermostat is correctly set.
- frozen. Make sure windows and doors are properly properly closed.

THE DEVICE IS UNABLE TO RECEIVE THE SIGNAL FROM THE REMOTE CONTROL

- Check that the batteries in the remote control are not not used or weak.
- Try sending the signal again with the remote control pointed correctly at the device's signal reception window.
- Check if the remote control batteries are inserted in place correctly.

Please contact after-sales service if the TEMPERATURE INDICATOR on the display panel flashes.

FRENC

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