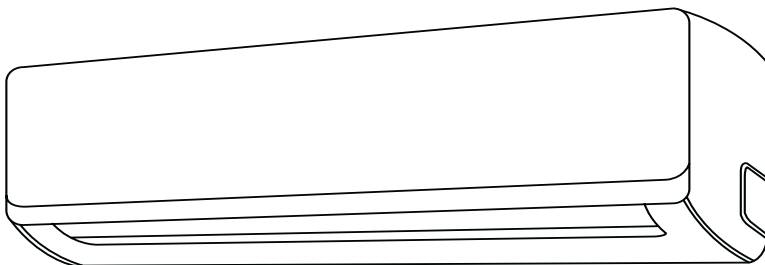


KIWQ/KOIQ

SERIES

SPLIT-TYPE ROOM AIR CONDITIONER

User's Manual



KLIMAIRE®

Mark of Superior Quality

IMPORTANT NOTE:

Read this manual carefully before installing or operating your new air conditioning unit. Make sure to save this manual for future reference.

For more information please visit www.klimaire.com

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In line with the company's policy of continual product improvement, the aesthetic and dimensional characteristics, technical data and accessories of this appliance may be changed without notice.

Safety Precautions

Read Safety Precautions Before Installation

Incorrect installation due to ignoring instructions can cause serious damage or injury.

The seriousness of potential damage or injuries is classified as either a **WARNING** or **CAUTION**.



This symbol indicates that ignoring instructions may cause moderate injury to person, or damage to your unit or other property.

CAUTION

- ❗ 1. Install drainage piping according to the instructions in this manual. Improper drainage may cause water damage to your home and property.
- ❗ 2. Never insert your finger or a stick, etc into the air inlet or outlet.
Doing so could cause damage to the unit or injury.
- ❗ 3. The product must be properly grounded at the time of installation, or electrical shock may occur.



This symbol indicates that you must never perform the action indicated.

DO NOT











- ⊘ 1. **Do not** modify the length of the power supply cord or use an extension cord to power the unit.
- ⊘ 2. **Do not** share the electrical outlet with other appliances. Improper or insufficient power supply can cause fire or electrical shock.
- ⊘ 3. **Do not** let any substances or gases other than the specified refrigerant when connecting the refrigerant piping to enter the unit. The presence of other gases or substances will lower the unit capacity and can cause abnormally high pressure in the refrigeration cycle. this can cause explosion and injury.
- ⊘ 4. **Do not** allow children to play with the air conditioner. Children must be supervised around the unit at all times.
- ⊘ 5. **Do not** obstruct the air inlet or outlet of the indoor or outdoor unit. Obstruction of these openings causes a reduction of the operative efficiency of the air conditioner with possible consequent failures or damages
- ⊘ 6. **Do not** install the unit in a location that may be exposed to combustible gas leaks. If combustible gas accumulates around the unit, it may cause fire.
- ⊘ 7. **Do not** operate your air conditioner in a wet room such as a bathroom or laundry room. Too much exposure to water can cause electrical components to short circuit.

Safety Precautions



WARNING

This symbol indicates that ignoring instructions may cause death or serious injury.

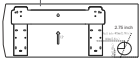
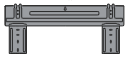


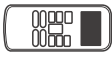















-  1. Installation must be performed according to the installation instructions. Improper installation can cause water leakage, electrical shock, or fire.
-  2. Contact an authorized service technician for repair or maintenance of this unit.
-  3. Only use the included accessories, parts, and specified parts for installation. Using non-Standard parts can cause water leakage, electrical shock, fire, and can cause the unit to fail.
-  4. Install the unit in a firm location that can support the unit's weight. If the chosen location cannot support the unit's weight, or the installation is not done properly, the unit may drop and cause serious injury and damage.
-  5. Always operate the unit with air filter mounted. The use of air conditioner without a filter could cause an excessive accumulation of dust and lint on the coil & inner parts of the device with possible subsequent failures
-  6. For all electrical work, follow all local and national wiring standards, regulations, and the Installation Manual. You must use an independent circuit and single outlet to supply power. Do not connect other appliances to the same outlet. Insufficient electrical capacity or defects in electrical work can cause electrical shock or fire.
-  7. For all electrical work, use the specified cables. Connect cables tightly, and clamp them securely to prevent external forces from damaging the terminal. Improper electrical connections can overheat and cause fire, and may also cause shock.
-  8. All wiring must be properly arranged to ensure that the control board cover can close properly. If the control board cover is not closed properly, it can lead to corrosion and cause the connection points on the terminal to heat up, catch fire, or cause electrical shock.
-  9. In certain functional environments, such as kitchens, server rooms, etc., the use of specially designed air-conditioning units is highly recommended.
-  10. Electrical installation, service, maintenance and repair of this unit must be performed by a certified technician. Disconnect the power support to the air conditioning system during the procedure.

Note about Fluorinated Gasses

1. This air-conditioning unit contains fluorinated gasses. For specific information on the type of gas and the amount, please refer to the relevant label on the unit itself.
3. Product uninstallation and recycling must be performed by a certified technician.
4. If the system has a leak-detection system installed, it must be checked for leaks at least every 12 months.
5. When the unit is checked for leaks, proper record-keeping of all checks is strongly recommended.

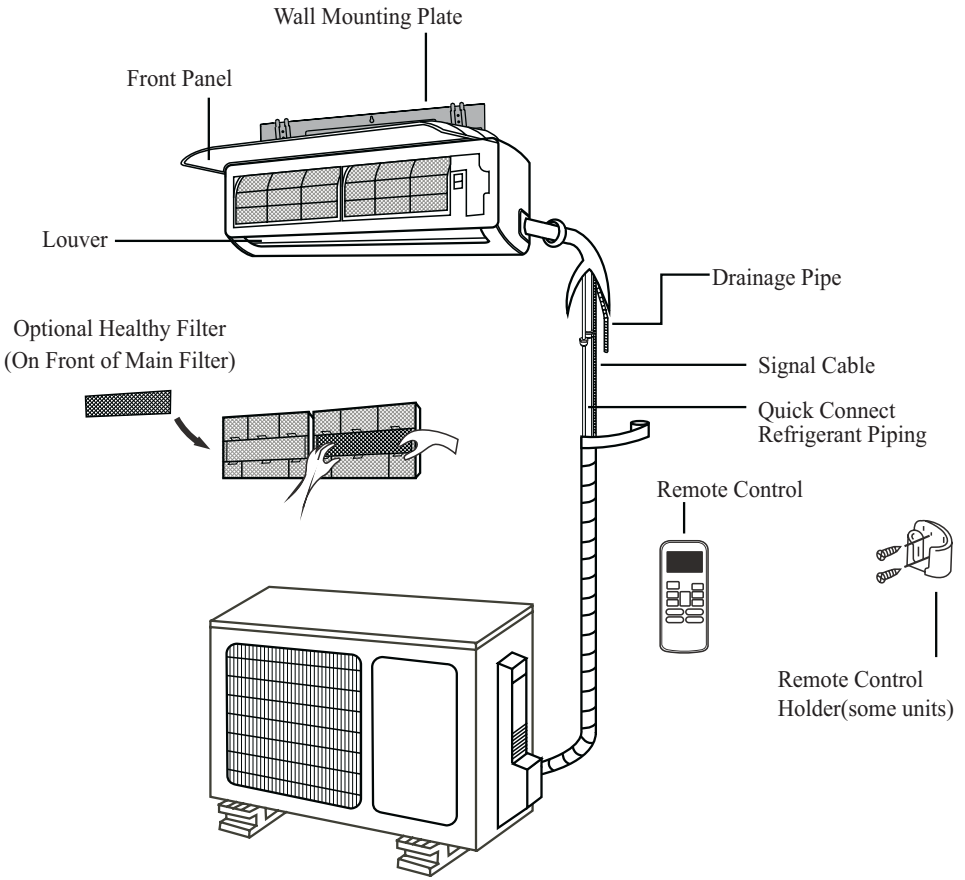
Accessories

The air conditioning system comes with the following accessories. Use all of the installation parts and accessories to install the air conditioner. Improper installation may result in water leakage, electrical shock and fire, or cause the equipment to fail.

Name	Shape	Quantity
Mounting Paper Board Template		1
Mounting plate		1
Clip anchor		6 pcs for 12K, 8 pcs for 24/36K
Mounting plate fixing screw		6 pcs for 12K, 8 pcs for 24/36K
Remote controller		1
Remote Control Holder		1
Healthy Air freshening filter		2 (used to be install on the front of air filter)
Pre-charged insulated copper pipe kit		1
Inerconnecting cable with plugs		1
Drain joint		1
Condensate Drain Hose Extension		2
Vibration Pads		4
Plastic Wall Sleeve		1
Plastic Wall Cap		2
Wall Sealer Mastic		2
Decorative insulation tape		2
Insulation Deadening Pads		4
Quick connect insulation pipe		1
Hex Key Allen Wrench		1
Flare Nuts		4

The accessories described herein may be different for each model and the list is for reference only.

Air Conditioning Unit - Main Parts



NOTE ON ILLUSTRATIONS

Illustrations in this manual are for explanatory purposes. The actual shape of your indoor unit may be slightly different. The actual shape shall prevail.

NAMES OF THE PARTS

INDOOR UNIT	
No.	Description
1	Front panel
2	Air filter
3	Optional filter (if installed) (optional)
4	LED Display
5	Signal receiver
6	Terminal block cover
7	Ionizer generator (if installed)
8	Deflectors
9	Emergency button
10	Indoor unit rating label (Stick position optional)
11	Airflow direction flaps
12	Remote control
13	Remote control holder
14	Healthy filter (optional)

OUTDOOR UNIT	
No.	Description
15	Male Quick connections
16	Female Quick connections
17	Connecting Pipes

OUTDOOR UNIT	
No.	Description
18	Air outlet grille
19	Outdoor unit rating label
20	Big handle Cover
21	Gas valve
22	Liquid valve
23	Vibration pads (Qty. 4)

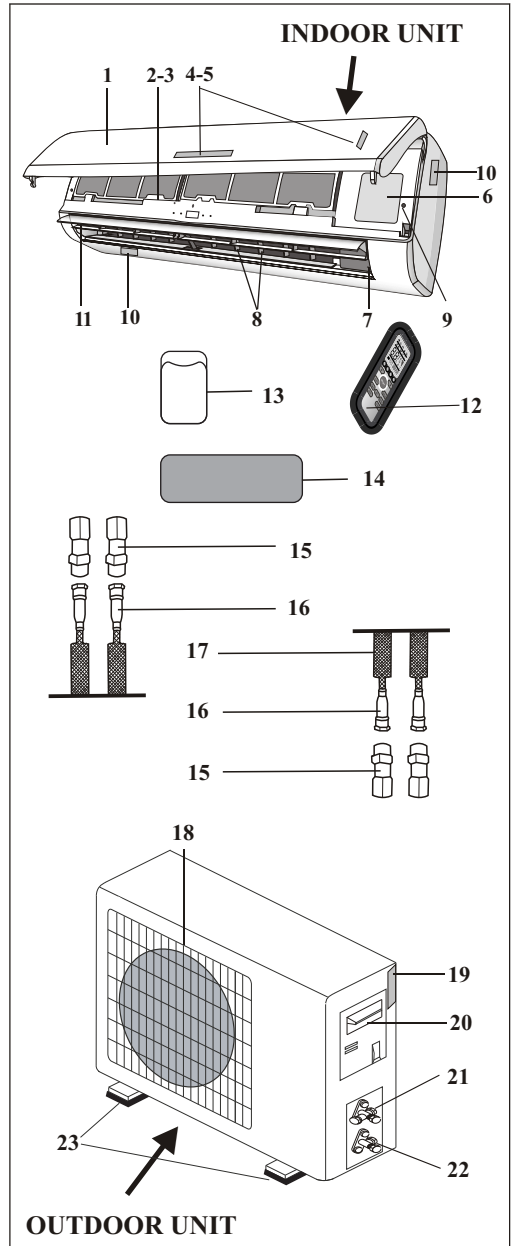
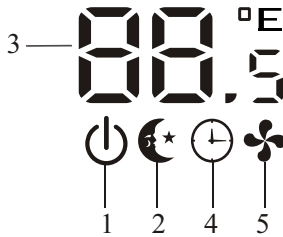


Fig. 4.1

Note: the above figures are only intended to be a simple diagram of the appliance and may not correspond to the appearance of the units that have been purchased.

INDOOR UNIT DISPLAY



No.	Led		Function
1	POWER		This symbol appears when the unit power is on
2	SLEEP		SLEEP mode
3	Temperature display (if present) /Error code		(1) Lights up during Timer operation when the air conditioner is operational (2) Displays the malfunction code when fault occurs.
4	TIMER		Lights up during Timer operation.
5	RUN		The symbol appears when the unit is turned on, and disappear when the unit is turned off.

The shape and position of switches and indicators may be different according to the model, but their function is the same.

According to the model, it may only show 2 numbers on the indoor display though there are 3 numbers on display of the remote controller. (Example: it is 28.5 on the display of the remote controller but 28 on the indoor display)

EMERGENCY FUNCTION & AUTO-RESTART FUNCTION

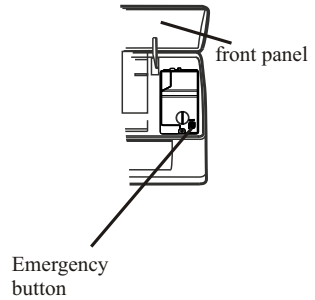
EMERGENCY FUNCTION

If the remote controller fails to work or maintenance necessary, proceed as following:

Open and lift the front panel up to an angle to reach the emergency button.

For heating model, press the emergency button at first time, the unit will operate in COOL mode. Press at second time within 3 seconds, the unit will operate in HEAT mode. Press at third time after 5 seconds, the unit will turn off.

For cooling only model, press the emergency button at the first time, the unit will operate in COOL mode. Press again, the unit will turn off.



The emergency button is located on the right end of the unit under the front panel.

AUTO-RESTART FUNCTION

The appliance is preset with an auto-restart function. In case of a sudden power failure, the module will memorizes the setting conditions before the power failure. When the power restores, the unit will restart automatically with the previous settings preserved by the memory function.


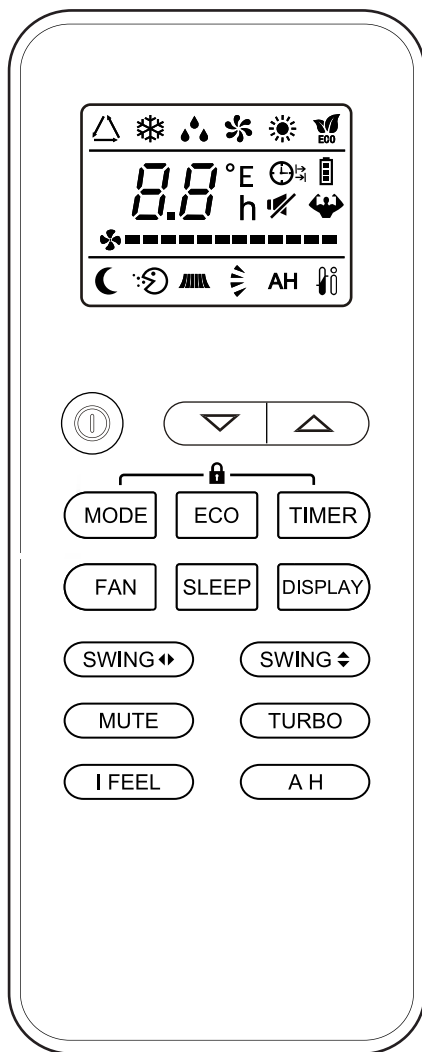
 *The shape and position of the emergency button may be different according to the model, but their function is the same.*


Fig. 6.1




REMOTE CONTROL

- ⚠ The display and some functions of the remote control may vary according to the model.
- ⚠ The shape and position of buttons and indicators may vary according to the model, but their function is the same.
- ⚠ The unit confirms the correct reception of each button with a beep.



REMOTE CONTROL (NOTE: SEE ILLUSTRATION ON PAGE 8)


















No.	Button	Function
1		To turn on/off the air conditioner .
2	∨	To decrease temperature, time setting or choose the function.
3	∧	To increase temperature, time setting or choose the function.
4	MODE	To select the mode of operation(AUTO, COOL, DRY, FAN, HEAT).
5	ECO	To activate/deactivate the ECO function .
6	TURBO	To activate/deactivate the Super function which enables the unit to reach the preset temperature in the shortest time.
7	FAN	To select the fan speed of auto/low/mid/high.
8	TIMER	To set the automatic switch-on/off time.
9	SLEEP	To switch-on/off of the function SLEEP.
10	DISPLAY	To switch-on/off of the LED display.
11	SWING	To switch-on/off of the auto-swing function of the flaps.
12	MUTE	To switch-on/off of the Mute function.
13	I FEEL	To switch-on/off of the follow me function.
14	HEALTH (optional)	To switch-on/off of the health function, which controls the ionizer or plasma generator.
14	AH	To switch-on/off of the 46°F heating function.


-  *The display and some functions of the remote control may vary according to the model.*
-  *The shape and position of buttons and indicators may vary according to the model, but their function is the same.*
-  *The unit confirms the correct reception of each button with a beep.*

REMOTE CONTROL

Remote control DISPLAY

Meaning of symbols on the liquid crystal display

No.	Symbols	Meaning
1		Battery indicator
2		Auto Mode function indicator
3		Cooling Mode indicator
4		Dry Mode indicator
5		Fan only Mode indicator
6		Heating Mode indicator
7		ECO Mode indicator
8		Timer indicator
9		Temperature indicator
10		Fan speed indicator: Auto/low/mid/high
11		Mute function indicator
12		SUPER function indicator
13		Up-down auto swing indicator
14		Left-right auto swing indicator
15		SLEEP function indicator
16		Health function indicator
17		I FEEL functions indicator
18	AH	46°F Stand-by Heating

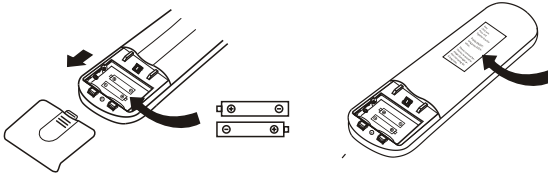
 The display and some functions of the remote control may vary according to the model.

REMOTE CONTROL

Replacement of Batteries

Remove the battery cover plate from the rear of the remote control, by sliding it in the direction of the arrow. Install the batteries according to the direction (+and -)shown on the Remote Control. Reinstall the battery cover by sliding it into place.

- ⚠ Use 2 pieces LRO3 AAA (1.5V) batteries. Do not use rechargeable batteries. Replace the old batteries with new ones of the same type when the display is no longer legible. Do not dispose batteries as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.



Note
Please remove batteries to avoid leakage damage when not using for a long time.

Fig 10.1

- ⚠ For some model, each time when insert the batteries in the remote controller for the first time, you need to set the Cooling only or Heating pump control type. As soon as you insert the batteries, the symbols (❄) and (☀) start flashing, operate as below,
 1. When the (❄) is displayed, push any button, to set the Cooling only type remote controller.
 2. When the (☀) is displayed, push any button, to set the Heating pump type remote controller.

NOTE: If you set the remote control in cooling mode, it will not be possible to activate the heating function in units with a heating pump. If you need to reset, take out the batteries and install again.

- ⚠ For some model of remote controller, you can program the temperature display between °C and °F.
 1. Press and hold the TURBO button over (5seconds) to get into the change mode;
 2. Press and hold the TURBO button, until it switch to °C and °F;
 3. Then release the pressing and wait for 5 seconds, the function will be selected.

- ⚠
 1. Direct the remote control toward the Air conditioner.
 2. Check that there are no objects between the remote control and the Signal receptor in the indoor unit.
 3. Never leave the remote control exposed to the rays of the sun.
 4. Keep the remote control at a distance of at least 1m from the television or other electrical appliances.

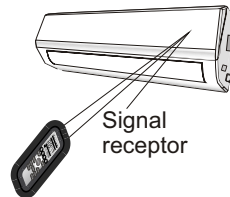
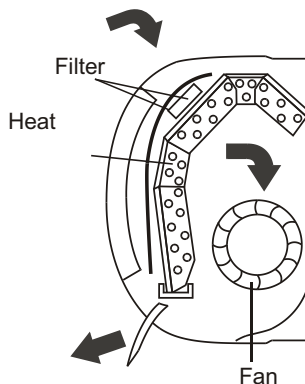


Fig 10.2



OPERATING INSTRUCTIONS

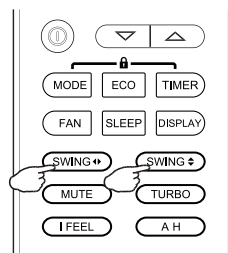
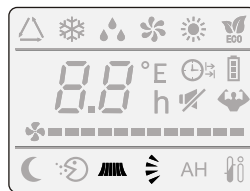
The air sucked by the fan enters from the grill and passes through the filter, then it is cooled/dehumidified or heated through the heat exchanger.

The direction of the air outlet is motorized up and down by flaps, and manually moved right and left by the vertical deflectors, for some models, the vertical deflectors could be controlled by motor as well.






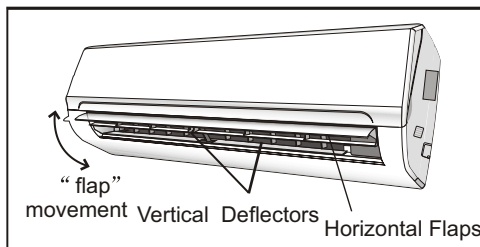
SWING or SELF-CLEAN function

- Press the button SWING to activate the louver,
 - Press  to activate the horizontal flaps to swing from up to down. Press again to stop the swing movement at the current angle.
 - Press  to activate the vertical deflectors to swing from left to right. Press again to stop the swing movement at the current angle.
- If the vertical deflectors are positioned manually which placed under the flaps, they allow to move the air flow direct to rightward or leftward.
- For some inverter heating models, press horizontal SWING and vertical SWING together button at the same time, it will activate the Self-Clean function.



Note: Self-clean function is a pre-setting program, it will operate as frosting and defrosting of indoor unit to clean the surface of indoor evaporative coil

-  This adjustment must be done while the appliance is switched off.
-  Never position "Flaps" manually, the delicate mechanism might seriously damaged!
-  Never poke fingers, sticks or other objects in the air inlet or outlet vents. Such accidental contact with live parts might cause unforeseeable damage or injury.



OPERATING INSTRUCTIONS

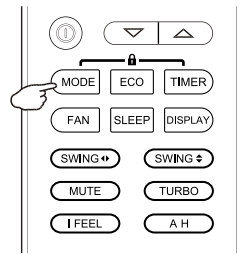
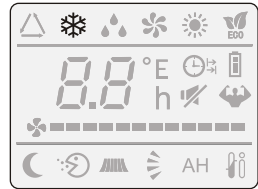
COOLING MODE

COOL

The cooling function allows the air conditioner to cool the room and at the same time reduces Air humidity.

To activate the cooling function (COOL) , press the **MODE** button until the symbol ☀ appears on the display.

With the button ∇ or \blacktriangle set a temperature lower than that of the room.



HEATING MODE

HEAT

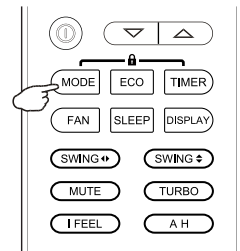
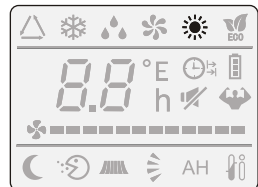
The heating function allows the air conditioner to heat the room.

To activate the heating function (HEAT) , press the **MODE** button until the symbol ☀ appears on the display.

With the button ∇ or \blacktriangle set a temperature higher than that of the room.



In HEATING operation, the appliance can automatically activate a defrost cycle, which is essential to clean the frost on the condenser so as to recover its heat exchange function. This procedure usually lasts for 2-10 minutes. During defrosting, indoor unit fan stop operation. After defrosting, it resumes to HEATING mode automatically.




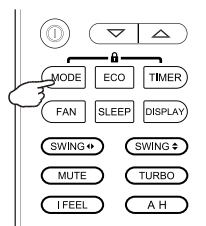
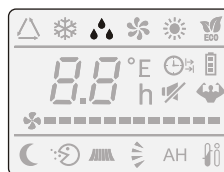
OPERATING INSTRUCTIONS

DRY MODE

DRY

This function reduces the humidity of the air to make the room more comfortable.


To set the DRY mode, Press **MODE** until  appears in the display. An automatic function of pre-setting is activated.

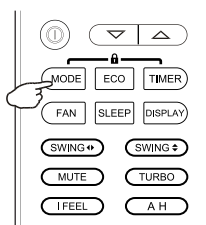
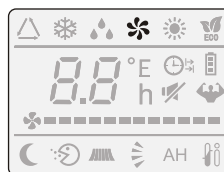


FAN MODE(Not FAN button)

FAN

Fan mode, air ventilation only.


To set the FAN mode, press **MODE** until  appears on the display.



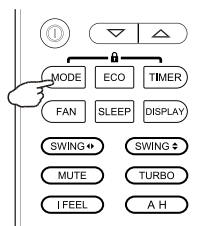
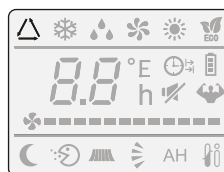
AUTO MODE

AUTO

Automatic mode.

To set the AUTO mode, press **MODE** until  appears on the display.

In AUTO mode the run mode will be set automatically according to the room temperature.



OPERATING INSTRUCTIONS



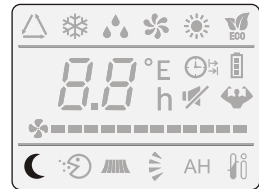
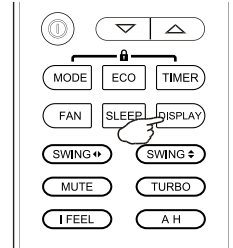
Attention: Before starting up or operating the air conditioner for the first time, confirm the service valves are open.

DISPLAY function (Indoor display)

DISPLAY

Switch ON/OFF the LED display on panel.


Press **DISPLAY** button to switch off the LED display on the panel. Press again to switch on the LED display.



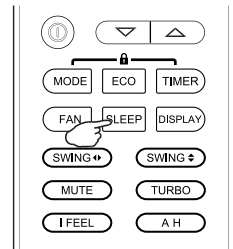
SLEEP function

SLEEP

Pre-setting automatic operating program.

Press **SLEEP** button to activate the SLEEP function, and  appears on the display. Press again to cancel this function.

After 10 hours running in sleep mode, the air conditioner will change to the previous setting mode.

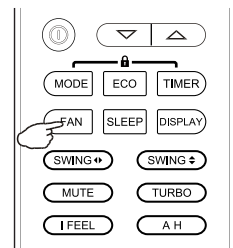


FAN function (FAN button)

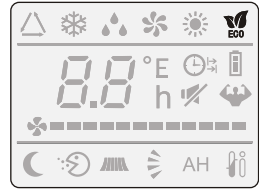
FAN

Change the operating fan speed.

Press **FAN** button to set the running fan speed, it can be set to AUTO/LOW/MID/HIGH speed.




OPERATING INSTRUCTIONS



ECO function

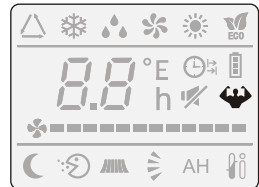
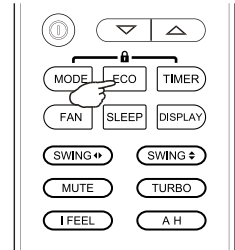
ECO

In this mode the appliance automatically sets the operation to save energy.

Press the **ECO** button, the  appears on the display, and the appliance will run in ECO mode. Press again to cancel it..


NOTE:

The ECO function is available in both COOLING and HEATING modes.

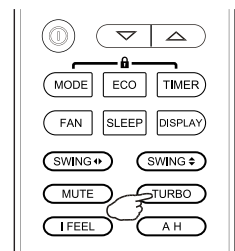


Turbo function

TURBO

To activate turbo function, press the **TURBO** button, and  will appear on the display. Press again to cancel this function.

In COOL/HEAT mode, when you select TURBO feature, the appliance will operate the highest fan speed to blow the strong airflow.




OPERATING INSTRUCTIONS

TIMER function ---- TIMER ON

TIMER To automatic switch on the appliance.

When the unit is switch-off, you can set the TIMER ON.

To set the time of automatic switch-on, as below:

1. Confirm the appliance is OFF. And press the **TIMER** button at first time to set the needed mode and fan speed, the  will appear on the display.
2. Set the needed mode(Cool/Heat/Auto/Fan/Dry), by press the **MODE** button. And set the needed fan speed, by press **FAN** button. And press \wedge or \vee to set the needed operation temperature.
3. Press **TIMER** button at the second time to set the switch-on. Press \wedge or \vee to set the needed timer.
4. Press **TIMER** button at the third time to confirm.

CANCEL it by press **TIMER** button.

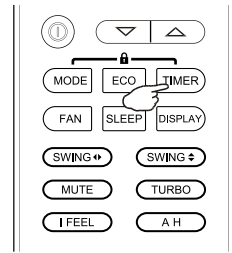
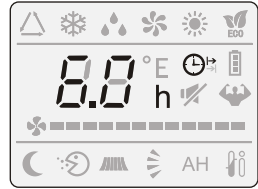


Figure1.Timer-on when switch off

TIMER function ---- TIMER OFF

TIMER To automatic switch off the appliance.

When the unit is switch-on, you can set the TIMER OFF.

To set the time of automatic switch-off, as below:

1. Confirm the appliance is ON.
2. Press the **TIMER** button at first time to set the switch-off. Press \wedge or \vee to set the needed timer.
3. Press **TIMER** button at the second time to confirm.

CANCEL it by press **TIMER** button.

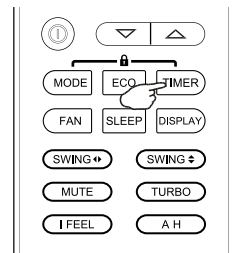
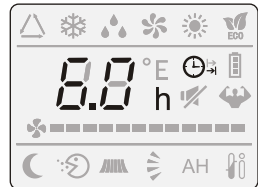


Figure2.Timer-off when switch on


Note:

All programming should be operated within 5 seconds, otherwise the setting will be cancelled.

OPERATING INSTRUCTIONS

I FEEL function

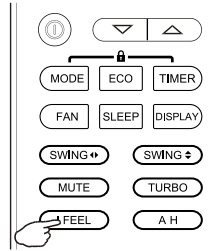
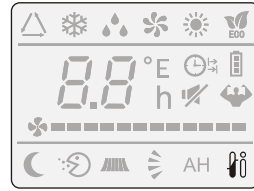
I FEEL

Press **I FEEL** button to activate the function, the  will appear on the remote display.

Do it again to deactivate this function.

This function enables the remote control to measure the temperature at its current location, and send this signal to the air conditioner to optimize the temperature around you and ensure the comfort.

It will automatically deactivate 2 hours later.

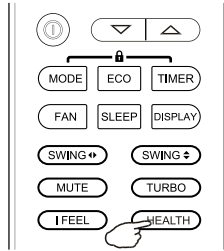


HEALTH function (optional)

HEALTH


Press **HEALTH** button to activate the ionizer generator. Do it again to deactivate this function.

The ionizer generator can release negative ions into the air to kill the bacteria.



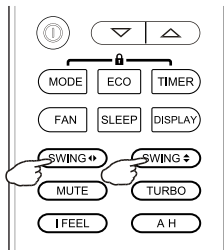
SELF-CLEAN function

It is only optional for heating pump inverter appliance. To activate this function, press **SWING +** and **SWING -** button at the same time, until hear a beep from indoor unit.

1. This function helps carry away the accumulated dirt, bacteria, etc from the indoor evaporator.
2. This function will run about 30 minutes, and it will return to the pre-setting mode. You can press  button to cancel this function during the process. You will hear 2 beeps when it's finished or cancelled.
3. It's normal if there is some noise during this function process, as plastic materials expand with heat and contract with cold.
4. We suggest operating this function at the following ambient conditions to avoid certain safety protection features.

Indoor unit	Temp < 86°F (30°C)
Outdoor unit	41°F (5°C) < Temp < 86°F (30°C)

5. It's suggested to utilize this function every 3 months.

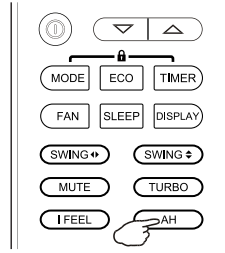


OPERATING INSTRUCTIONS

46° F heating function

AH

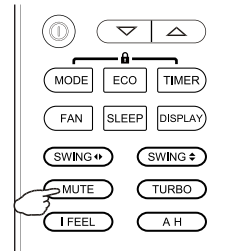
1. Press **[AH]** button to active this function, and **[AH]** will appears on the remote display.
Do it again to deactivate this function.
2. If the unit is standby, this function will automatically start the heating mode when the room temperature is equal or lower than 8°C (46°F), and it will return to standby if the temperature reaches 9°C (48°F).
3. If the room temperature is higher than 18°C (64°F), the appliance will cancel this function automatically.



MUTE function

MUTE

1. Press **[MUTE]** button to active this function, and **[MUTE]** will appears on the remote display.
Do it again to deactivate this function.
2. When the MUTE function runs, the remote controller will display the auto fan speed, and the indoor unit will operate at lowest fan speed to be quiet feeling.
3. When press **FAN/TURBO/SLEEP** button, the MUTE function will be cancel. MUTE function can not be activated under dry mode.



PROTECTION

The protective device may stop the appliance, when the ambient temperature is off range as listed below.

MODE Temperature	Cooling operating	Heating operating	Drying operating
Room Temperature	63°F~89°F 17°C~32°C	32°F~86°F 0°C~30°C	63°F~89°F 17°C~32°C
Outdoor Temperature	15°C~53°C 59°F~127°F	-5°C~24°C 23°F~75°F	15°C~53°C 59°F~127°F
	-15°C~53°C 5°F~127°F For models with low temperature cooling system	-25°C~30°C -13°F~86°F For models with low temperature heating system	

⚠ After stopping and restarting the air conditioner or after changing the mode during operation, the system does not restart immediately, until after 3 minutes(Protection function for the compressor).

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