

# REMOTE CONTROL MANUAL

ENGLISH



## CONTENT

PRECAUTIONS .....1-2

USING THE REMOTE CONTROL UNIT .....3

OPERATION .....4-8



**Thank you for  
purchasing our  
Room Air Conditioner.**

Before using your air-conditioner, please read this operating instruction carefully and keep it for future reference.

# PRECAUTIONS

## DISPLAY

Information are displayed when the remote control unit is switched on.

### Operation Mode



Automatic Heating

Cooling Dehumidification (dry)

Fan only Displayed when data transmitted Or remote control unit lock

Displayed when the timer is set and activated. Displayed when the timer on is set and activated

Displayed when the timer off is set and activated

Set temperature or room temperature

Displayed when the temperature is the room temperature

Displayed in Sleep Mode Operation

Indicate that the air conditioner is operating in I FEEL mode

Automatic supply air flap oscillation switched on

### Fan speed indication

Automatic fan speed

Low speed Medium speed High speed

### MODE SELECTOR BUTTON

Press this button to modify the air conditioner mode.

(automatic) ★

When this setting is selected, the air conditioner calculates the difference between the thermostat setting and the room temperature and automatically switches to the "cool" or "heat" mode.

(heating)

The air conditioner makes the room warmer.

dehumidification (dry)

The air conditioner reduces the humidity in the room.

(cooling)

The air conditioner makes the room cooler.

(fan)

The air conditioner circulate the air.

★ **COOL / DRY / HEAT / FAN Models**

### ROOM TEMPERATURE


Push the ROOM button to show the actual room temperature around the remote control.

### SLEEP BUTTON

For details, see "Sleep mode".

When you press this button in the COOL, HEAT or DRY mode, the mark appears on the display and the microcomputer in the remote control unit will adjust the set temperature to save energy.





### TRANSMITTER

When you press the buttons of the remote control unit, the  mark appears on the display to transmit the setting changes to the receiver in the air conditioner.

### SENSOR

A temperature sensor inside the remote control unit detects the room temperature.

### FAN SPEED SELECTOR BUTTON

-  Fan speed is automatically selected by the microcomputer.
-  High speed.
-  Medium speed.
-  Low speed.

### TEMPERATURE SETTING BUTTONS

- (cooler)

Press this button to decrease the set temperature.

+ (warmer)

Press this button to increase the set temperature.

### TIMER BUTTON (timer setting)

Push the TIMER on the display starts the timer ON and OFF setting procedure.

For detail see "SETTING THE TIMER".

### SET BUTTON

Push this button to select the functions:

- set the present time
- set the ON-OFF timer

For detail see "HOW TO SET THE PRESENT TIME" and "SETTING THE TIMER".

### TIMER AND PRESENT TIME SETTING BUTTONS



Pushing + or - buttons the setting of the time and timer can be activated. For detail see "HOW TO SET THE PRESENT TIME" and "SETTING THE TIMER".

### TIMER RESET

Push the CLEAR button to cancel all timer setting.

### FLAP SPEED SELECTORS



Press this button to select the desired flap sweep function.

-  : The flap moves up and down automatically.
-  : Every time you push the button the flap moves one step.

### TEMPERATURE SENSOR SELECTOR

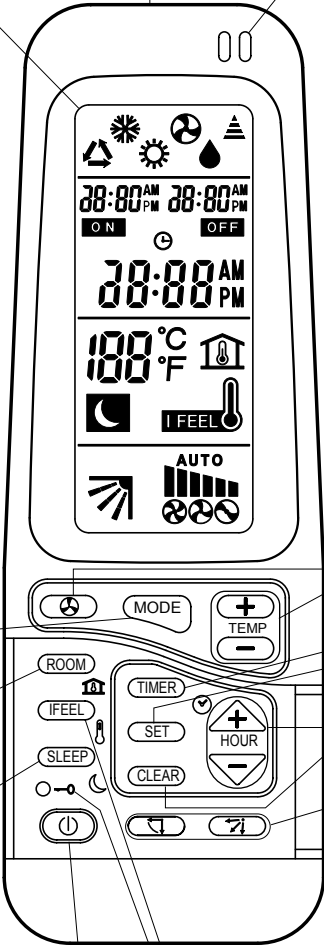
Push IFEEL button to activate the temperature control in the remote control unit. This function provides a more comfortable temperature control.

### LOCKING THE REMOTE CONTROL

Pushing this button freezes the last operation setting. When  is activated the remote control will not be able to control the air conditioner. To release the lock status push  again.

### ON/OFF OPERATION BUTTON

This button turns the air conditioner ON and OFF.



# USING THE REMOTE CONTROL UNIT

## HOW TO INSTALL BATTERIES

- Remove the lid in the rear part of the remote control unit.
- Insert two AAA alkaline batteries of 1,5 V-DC. Make sure the batteries point in the direction marked in the battery compartment.
- The batteries last about six months. Depending on how much you use the remote control unit. Remove the batteries if you do not use the remote control unit for more than one month. Press the +, -, SET and CLEAR buttons together after batteries replacement. (This operation allows you to reset correctly all the programs. The remote control unit is to be set up again). Replace the batteries when the remote control unit lamp fails to light, or when the air conditioner does not receive the remote control unit signals.
- The batteries of the remote control contain polluted substances exhausted batteries must be disposed according to the laws in force.

## TEMPERATURE SENSOR SELECTOR

- Under normal conditions the room temperature is detected and checked by the temperature sensor placed in the air conditioner.
- Press the remote control I FEEL button to activate the temperature sensor placed in the remote control. This function is designed to provide a personalised environment by transmitting the temperature control command from the location next to you. Therefore, in using this function, the remote control should always be aimed, without obstruction, at the air conditioner.

### NOTE

The remote control unit sends the temperature signal to the air conditioner regularly at two minute intervals. If the signal from he remote control unit stops for more than five minutes due to some troubles, the air conditioner will switch to the temperature ensor which is built into the indoor unit and controls the room temperature. In these cases, the temperature around the remote control unit may differ from the temperature detected in the air conditioner position.

## OPERATION WITH THE REMOTE CONTROL UNIT



Check that the circuit breaker on the power panel is turned ON and the STANDBY lamp is light up.

When using the remote control unit, always point the unit transmitter head directly at the air conditioner receiver.

## HOW TO TURN ON THE AIR CONDITIONER

Press the ON/OFF button to turn the air conditioner on. The indicator OPERATION will light up, indicating the unit is in operation.



REMOTE CONTROL UNIT DISPLAY

# OPERATION

## HOW TO SET THE PRESENT TIME

1. Press the SET button for five seconds. The time indication alone flashes.
2. Press the + or - buttons until the present time is displayed.
3. Press the SET button to stop the indication flashing.




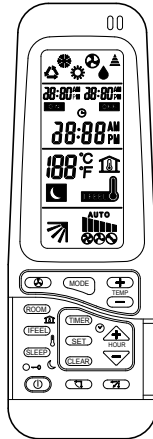
THE DISPLAY SHOWS THE SELECTED TEMPERATURE.

4. Press the FAN SPEED button to select the fan speed.
5. Press the FLAP buttons and adjust the air flow direction as desired(see adjustment of air flow). Make sure that the remote control is switched on.

## COOLING

Verify that the unit is connected to the main power and the STANDBY lamp is light up.

1. Set the MODE selector to COOL .
2. Press the ON/OFF button and switch the air conditioner ON.
3. Press the TEMP. buttons to set the desired temperature (the temperature range is between 30°C max. and 16°C min.).



23°C

THE DISPLAY SHOWS THE SELECTED TEMPERATURE.

## NOTE

For several minutes after the start of heating operation, the indoor fan will not run until the indoor heat exchanger coil has warmed up sufficiently. This is because the COLD DRAFT PREVENTION SYSTEM is operating.


## • DEFROSTING OF HEAT EXCHANGE OUT DOOR UNIT “STANDBY”

When the outdoor temperature is low, frost or ice may appear on the heat exchanger coil, reducing the heating performance. When this happens, a microcomputer defrosting system operates. At the same time, the fan in the indoor unit stops and the OPERATION lamp is flashing until defrosting is completed. Heating operation restarts after several minutes. (This interval will vary slightly depending on the room and outdoor temperature).

## • HEATING PERFORMANCE


A heat pump conditioner heats a room by taking heat from outside air. The heating efficiency will fall off when the outdoor temperature is very low. If enough heat is not obtained with this air conditioner, use another heating appliance in conjunction with it.

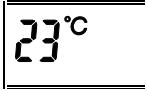
## HEATING

1. Set the MODE selector to HEAT .
2. Press the ON/OFF button and switch the air conditioner ON.
3. Press the TEMP. buttons to set the desired temperature (the temperature range is between 30 °C max. and 16 °C min.).

# OPERATION

## AUTOMATIC OPERATION


1. Set the MODE selector to AUTO .
2. Press the ON/OFF button and switch the air conditioner ON.
3. Press the TEMP. buttons to set the desired temperature (the temperature range is between 30 °C max. and 16 °C min.).

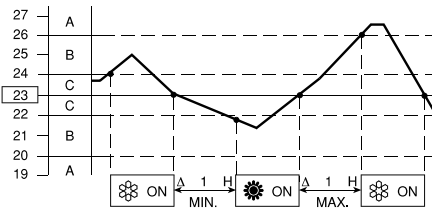


THE DISPLAY SHOWS THE SELECTED TEMPERATURE.

When this setting is selected, the air conditioner calculates the difference between the thermostat setting and the room temperature and automatically switches to the COOL or HEAT mode as appropriate.

4. Switch the FAN SPEED selector button to the setting you want.

Example of operation diagram in the  (Auto) mode with the set room temperature at 23°C.




## NOTE

The air conditioner changes the operation mode (from cool to heat), if one of the following conditions occurs:

- **ZONE A:** changes if the difference between the room temperature and the temperature set on the remote control unit is at least 3°C..
- **ZONE B:** changes if the difference between the room temperature and the temperature set on the remote control unit is at least 1°C, one hour after the compressor stop.
- **ZONE C:** never changes if the difference between the room temperature and the temperature set on the remote control unit is no more than 1°C.

## DEHUMIDIFYING (DRY)

1. Set the MODE selector switch to "DRY" .
2. Press the ON/OFF button and switch the air conditioner ON.
3. Press the TEMP. buttons to set the desired temperature (the temperature range is between 30 °C max. and 16 °C min.).




THE DISPLAY SHOWS THE SELECTED TEMPERATURE.

## NOTE

- Use DRY operation when you want to reduce the humidity in the room.
- Once the room temperature reaches the set level, the unit repeats the cycle of turning on and off automatically.
- During DRY operation, the fan speed is automatically set to low or stops to prevent overcooling.
- Dry operation is not possible if the indoor temperature is 15 °C or less.

## FAN ONLY

If you want to make air circulate without any temperature control, follow these steps:

1. Set the MODE selector switch to "FAN" .
2. Press the ON/OFF button and switch the air conditioner ON.

# OPERATION

## ADJUSTING THE FAN SPEED

### • AUTOMATIC

Simply set the FAN SPEED selector to the **AUTO** position. A microcomputer automatically controls the fan speed when the AUTO mode is selected. When the air conditioner starts operating, the difference between the room temperature and the set temperature is detected by the microcomputer which then automatically switches the fan speed to the most suitable level.

### NOTE

In FAN Only mode the fan speed is adjusted automatically as in cooling mode.

WHEN DIFFERENCE BETWEEN ROOM TEMPERATURE AND SET TEMPERATURE IS	FAN SPEED	
Cooling and dehumidifying modes:	2 °C and over Between 2 and 1 °C Below 1 °C	High Medium Low
Heating mode:	2 °C and over Below 2 °C	High Medium

The above mentioned data make reference to the conditioner operating when the sensor on the remote control unit is ON. If the sensor on the indoor unit is being used then actual operation will slightly differ from that described in the above tables.

### • MANUAL


If you want to manually adjust speed just set the FAN SPEED selector as desired.

Each time the button is pressed, the fan speed is changed in sequence:

☺ (Lo) → ☺☺ (Med) → ☺☺☺ (Hi) → **AUTO** (AUTO)

## SLEEP MODE

The SLEEP mode enables you to save energy.

1. Set the MODE selector to cool, dry or heat.
2. Press the SLEEP button.
3. The  mark appears on the display. Press the SLEEP button again to release the SLEEP function.

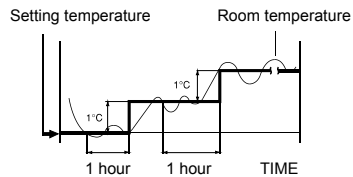
### What does the SLEEP mode mean?

In this mode, the air conditioner will cool or heat the room to the set temperature, and then the thermostat will make the unit pause. After about 1 hour, the air conditioner will automatically reset the set temperature as follows (also refer to graphs).

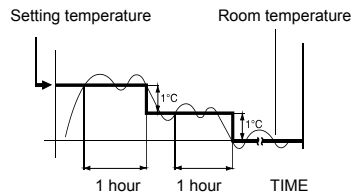
OPERATING MODE	SET TEMPERATURE CHANGE
Heating	Lowered by 1 °C
Cooling and Dehumidifying	Raised by 1 °C

When the room temperature reaches the new set value, the thermostat will cause the unit to pause. After about 1 hour the temperature will be raised by 1 °C in cooling, or lowered by 1 °C in heating. This enables you to save energy without sacrificing your comfort.

### COOLING AND DEHUMIDIFYING




### HEATING




# OPERATION

## I FEEL TEMP FUNCTION OPERATION

Press button IFEEL to activate the IFEEL function. Thermometer sign will appear on the LCD operation display . Select suitable temperature setting. Make sure that the remote control unit is aimed at the air conditioner, with the IFEEL sensor in front. Prevent the IFEEL sensor from being affected by heat sources such as lamps, heaters, direct sun, etc. or from being directly affected by the air conditioner air flow. These may cause the sensor to transmit the wrong temperature data, thereby disturbing the performance of the IFEEL function.

## ROOM TEMP FUNCTION OPERATION

Press the ROOM button to show the actual room temperature around the remote control unit. The measured room temperature and the room temperature sign  will be displayed.


To cancel the ROOM Temperature display press on one of the following:

- Press again on ROOM Temperature button.
- Change of MODE button.

### NOTE

Room temperature range is between 6 and 36 in 1 increments. Display should show "HI" or "LO" to represent temperature that is above 36 or below 6.

## LOCK FUNCTION

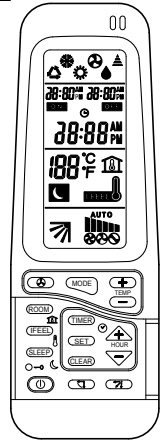
By pressing LOCK button, the remote control will lock the last operation program. All the function buttons will be inoperative, including START/STOP button. By pressing LOCK button again the remote control will be released from its locked position. When lock mode is functioning, the transmission sign  will be on.

## SETTING THE TIMER

Press button TIMER to activate the timer operation mode. Each time the TIMER button is pressed, one of the three types of operation modes will appear on the LCD display. Timer setting will not change until new setting is input.

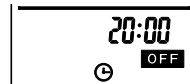
### A) HOW TO SET THE ON TIME

1. Press the TIMER button to select the desired timer.
2. Press the SET button till the ON sign blinks.
3. Press the + or - (HOUR) button until the desired value is displayed.
4. Press the SET button to activate the timer.



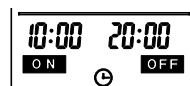
### B) HOW TO SET THE OFF TIME

1. Press the TIMER button to select the desired timer.
2. Press the SET button till the OFF sign blinks.
3. Press the + or - (HOUR) button until the desired value is displayed.
4. Press the SET button to activate the timer.



### C) HOW TO SET A PROGRAM FOR DAILY ON/OFF OPERATION

1. Press the TIMER button to select the desired timer.
2. Press the SET button till the ON sign blinks.
3. Press the + or - (HOUR) button until the desired value is displayed.
4. Press the SET button again, the OFF sign blinks.
5. Press the + or - (HOUR) button until the desired value is displayed.
6. Press the SET button to activate the timer.

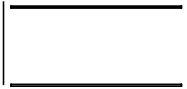




# OPERATION

## D) HOW TO CLEAR THE TIMER

1. Press the **TIMER** button to select the timer.
2. Press the **CLEAR** button if you want that every timer operation will be cleared.



### NOTE

If the procedure to set the timer is not completed, by pushing the **SET** button, within 15 seconds the timer operation will be cancelled and the last set-up is restored.



## ADJUSTING THE AIR FLOW DIRECTION

### HORIZONTAL (manual)

The horizontal air flow can be adjusted by moving the vertical vanes to the left or right, as indicated in the following figures.

### VERTICAL (with remote control unit)

The remote control gives you the possibility to control the flap in two way:

1. Push the  button to start the flap sweep. If you push again the flap stops immediately.
2. Push the  button to move the flap step by step.



**Caution**

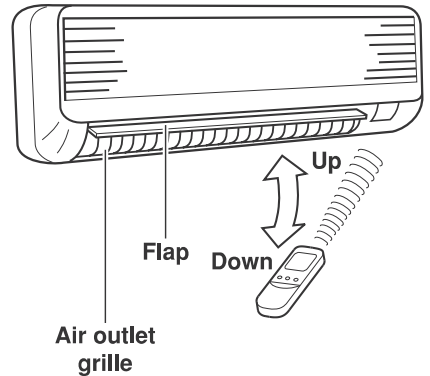
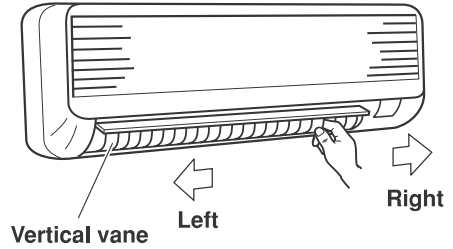
Set vertical vanes to the front position during **COOLING/DRY** operation if humidity is high.

If the vertical vanes are set to the left-most or right-most position, condensation will form around the air outlet and drip off.



**Caution**

Do not move the flap with your hands when the air conditioner is running.



### NOTES

The flap automatically closes when the unit is off.

During the heating operation, the fan speed will be very low and the flap will be in the horizontal position until the air being blown out of the unit begins to warm. Once the air warms up, the flap position and fan speed change to the settings specified with the remote control.



**Caution**

Use the **FLAP** button on the remote control to adjust the position of the flap. If you move the flap by hand, the factual flap position and the flap position on the remote control may no longer match. If this should happen, shut off the unit, wait for the flap to close, and then turn on the unit again; the flap position will now be normal again.

Do not have the flap pointed down during cooling operation. Condensation may begin to form around the air vent and drip down.