

# Use of remote controller

**CAUTION:** restarting the unit must wait 3 minutes

## AUTO MODE OPERATION PROCEDURE

Operates by selecting automatically the operation mode (DRY, COOL, or HEAT) depending on the room temperature at starting. With the remote controller pointing the air conditioner.



1 Press the ON/OFF button.

When the unit is not at AUTO SELECT mode.

2 Press the MODE button. Set to "AUTO SELECT"

When the "AUTO" is displayed, the air conditioner is automatically controlled at the optimum temperature

TO Stop: Press the ON/OFF button.

The operation of the AUTO SELECT mode can be performed by only pressing the ON/OFF button from the next time.



If you don't like the content of AUTO SELECT mode operation. Change to HEAT DRY or COOL than AUTO SELECT.

When "AUTO" is not displayed, press the MODE button to set the "AUTO" auto operation mode.

Each time the button is pressed, the operation mode is changed in sequence, from "AUTO", (COOL), (DRY) to (HEAT)/(FAN)

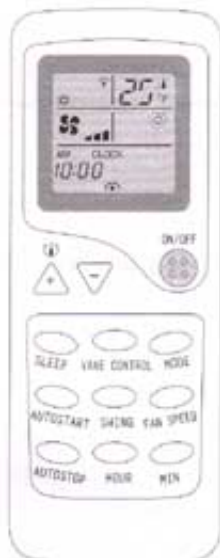
## Temperature adjusting procedure during AUTO SELECT operation

Adjusts air temperature during AUTO SELECT operation, press "▲" button or "▼" button, adjusts temperature.

Press "▲" one time, the temperature reduces about 1°F.

Press "▼" one time, the temperature raises about 1°F.

## Cool/Heat(Fan)/Dry mode Operation Procedure



With the remote controller pointing toward the air conditioner.

1 Press the ON/OFF button.

2 Press the MODE select button  
Select the operation mode.  
(COOL, DRY, HEAT/FAN, AUTO)

3 Press ▲ or ▼ button.  
Set to your favorite temperature press ▲ or ▼ button

HEAT	COOL
70°F-86°F	70°F-86°F

If CONT is selected, room temperature isn't controlled, operation being continuously.

4 Press the FAN SPEED button.  
Set to your favorite air flow rate.

To stop: Press the ON/OFF button.

• In the Cooling-only operation, the HEAT Mode will cancel, and it will be replaced by FAN mode

Changing procedure of the content of the operation  
Set to the content.

The content of the operation can be set or changed even while the air conditioner is off operation.

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## Air flow direction adjustment procedure

### Adjusting up/down air flow direction

Up/down direction can be adjusted by using the VANE CONTROL button on the remote controller. This button, each time pressed, changes the mode in the following sequence:



Change to the VANE CONTROL mode.

**TO change the VANE CONTROL velocity press the FAN SPEED button.**

Each time the button is pressed, fan speed is changed in sequence, from [Lo] [Mid] [Hi] [AUTO].

To cool the whole room, use the [Hi] mode, (COOL MODE). If the sound of the air conditioner operating disturbs your sleep, use the SLEEP mode.

### Recommended horizontal VANE range

Use in the (AUTO) position usually.

Use positions (1) or (2) in the COOL or DRY mode and positions

(3) to (5) in the HEAT mode when adjusting to your requirements.



### NOTE

- In the cooling operation, when the air conditioner is operated with VANE CONTROL blowing down (4) or (5) for 1 hour, the VANE CONTROL direction is automatically set to level to prevent condensed water from dropping.
- Adjust the vertical VANE CONTROL direction using the remote controller. If the horizontal vane are moved manually, it may cause trouble.
- In heating operation, if the output air temperature is too low or when defrosting is done, the horizontal vane position is set to (1).

### Adjusting left/right air flow direction

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



## SWING ADJUSTMENT PROCEDURE

### Press the SWING button

- To release the SWING operation mode;

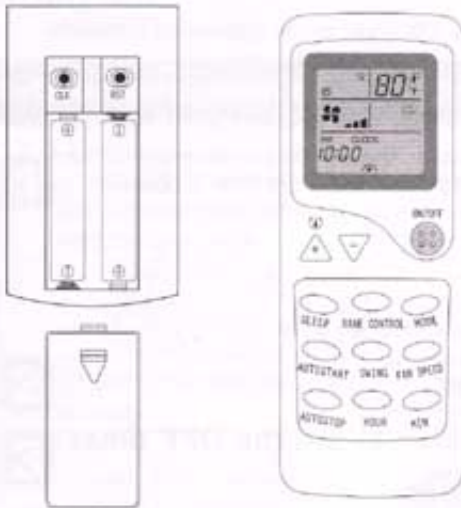
### Press the SWING button again

- If the SWING button is pressed during swing

# Use of remote controller

## PRESENT TIME SETTING PROCEDURE

When cells are inserted, the present is automatically set to AM 12:00 EX:Set to AM 10:30



**1** Press the CLK button.  
Unload the back cover push the clock button with the tip of a ball pen, etc. The time indicator is flickering and can set the present time.

**2** Press the HOUR button. (Set to AM 10:)

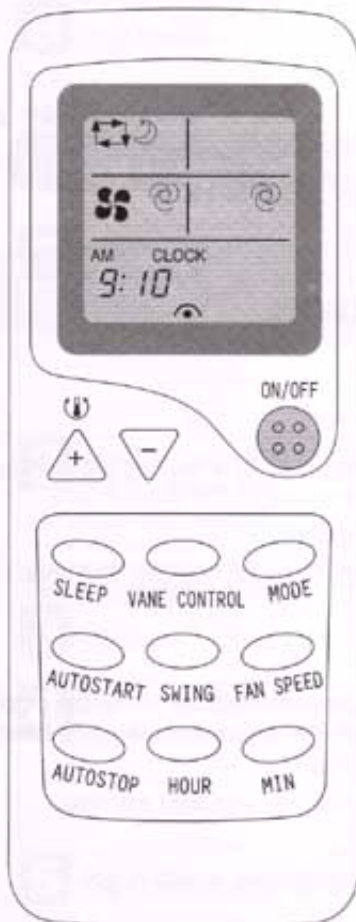
**3** Press the MIN button. (Set to 30)

**4** Press the CLK button again, then reattach the back cover

**NOTE** The timer is set on the basis of the present time. So set the present time correctly.

## SLEEP OPERATION PROCEDURE

Use this mode to reduce operation sound when sleeping, etc.



**Press the SLEEP button**

To release the sleep mode;

**Press the SLEEP button again.**

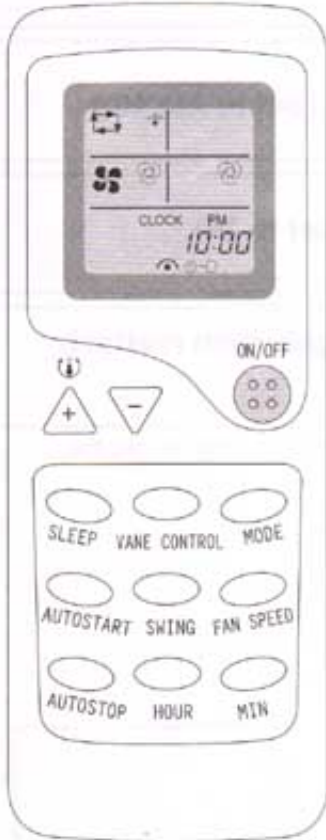
The air flow sound from the indoor unit is decreased.  
When the FAN SPEED button is pressed during the SLEEP mode, the SLEEP mode is released.

### Note

Use the sleep mode when you are going to bed. If this mode is used in the day, the capacity is reduced since the ambient temperature is too high. (COOL MODE).

# Use of remote controller

It is convenient to set the timer for the time when you go to bed ,when you get home ,when you get up , ect.



## How to set the ON timer

**1**

**Press the AUTO START button to set the on timer mode during operation.**

Each time the button is pressed, the ON timer mode alternates between ON and OFF.

**2**

**Set the time of the timer using the HOUR and MIN buttons.**

Each time the HOUR button is pressed , the Set time is counted up by 1 hour; each time the "MIN" button is pressed, the set time is counted by 10 minutes.

• **To release the ON timer:**

Press the AUTO START button to release the timer.

## HOW to set the OFF timer

**1**

**Press the AUTO STOP button to set the OFF timer mode during operation.**

Each time the button is pressed, the OFF timer mode alternates between ON and OFF.

**2**

**set the time of the timer using the HOUR and MIN buttons.**

Each time the HOUR button is pressed , the Set time is counted up by 1 hour; each time the "MIN" button is pressed, the set time is counted by 10 minutes.

• **TO release the OFF timer:**

Press the AUTO STOP button to release the timer.

### Programming timer operation

The ON timer and OFF timer can be used in combination .The time of the set time which is reached first will operate first (  $\longleftrightarrow$  mark indicates the order of timer operations.)

• If the current time has not been set ,the timer operation cannot be done.

# Features of Heating Operations

## Basic principles and performances

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

## Defrosting

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

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