REMOTE CONTROL MANUAL

CONTENT

**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.

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PRECAUTIONS

DISPLAY

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

Operation Mode

⛄ Automatic	☼ Heating	❄ Cooling
⊗ Fan only	● Dehumidification (dry)	
⚠ Displayed when data trasmitted Or remote control unit lock		

Clock (hours and minutes)
ON Displayed when the timer on is set and activated
OFF Displayed when the timer off is set and activated

⊗ Indicate that the air conditioner is operating in Clean mode
☾ Displayed in Sleep Mode Operation
♣ Display in ionizer & E.S.F mode operation
⊡ Indicate that the air conditioner is operating in Economy mode

Set temperature or room temperature
⌂ Displayed when the temperature is the room temperature
IFEEL Indicate that the air conditioner is operating in I FEEL mode

⊼ Automatic horizontal air flow oscillation switched on
⊿ Automatic supply air flap oscillation switched on

▱ Description of Low battery detection
• The low-battery indicator on the remote control will continue to blink when the batteries are low, it may reduce the transmission distance of the remote control and the display becomes blurred. Replace with new batteries immediately.
• The low-battery indicator will disappear after the batteries are replaced.

Fan speed indication

⊙ Silent speed	☵ Low speed	☶ Medium speed
☷ High speed	☰ Strong speed	AUTO Automatic fan speed

ON/OFF OPERATION BUTTON
This button turns the air conditioner ON and OFF.

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

SLEEP/ECO BUTTON
This button has 2 functions:
• Sleep function (short press — press it less than 3 seconds). When you short press this button, the ☾ mark will appear on the display.
• Economy function (long press — press it over 3 seconds). When you long press this button, the ⊡ mark will appear on the display. For detail see "SLEEP MODE" and "ECONOMY FUNCTION OPERATION".

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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.

TEMPERATURE SETTING BUTTONS
- (cooler) Press this button to decrease the set temperature.
+ (warmer) Press this button to increase the set temperature.

FAN SPEED SELECTOR BUTTON
AUTO   Fan speed is automatically selected by the microcomputer
Silent speed.   Low speed.   Medium speed.
High speed.   Strong speed.

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 BUTTON (timer setting)
Push theTIMER on the display starts the timer ON and OFF setting procedure. For detail see "SETTING THE TIMER".

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.

HORIZONTAL SWING/VERTICAL MANUAL SWING BUTTON
Press this button, the remote control will run one of the following functions:
● Horizontal auto swing. If the air-condition has horizontal swing motor, push the button will activate the horizontal air flow to auto swing.
● Vertical manual swing. If the air-condition only has vertical swing motor, push the button will change the position of vertical air flap by manual.
For detail see "ADJUST THE AIR FLOW DIRECTION".

VERTICAL SWING BUTTON
Push button to activate the supply air flap to auto swing.

TIMER RESET
Push the CLEAR button to cancel all timer setting.

I FEEL TEMPERATURE SENSING AND ROOM TEMPERATURE DISPLAY BUTTON
Push this button to activate the temperature control in the remote control unit and show the actual room temperature around the remote control.

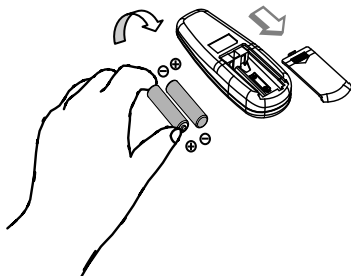**ION(OPTIONAL)/CLEAN BUTTON**
This button has 2 functions:
● Ionizer function (short press — press and release it within 3 seconds). When you short press this button, the ⚡ mark will appear on the display.
● Clean function (long press — press it over 3 seconds). When you long press this button, the ⊚ mark will disappear after flash five seconds.
For detail see "IONIZER FUNCTION OPERATION (OPTIONAL)" and "CLEAN FUNCTION OPERATION".

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 to insert the batteries according to the polarity(+/-) marked in the battery compartment.
- Push the lid back on.

HOW TO REMOVE BATTERIES

- Remove the lid in the rear part.
- Press the battery toward the negative end and lift it out by its positive end as shown.
- Remove the other battery in the same way.

After batteries change:
Press the +, -, SET and CLEAR buttons together.
(After batteries change the remote control needs to be reset to ensure proper functioning. By pressing above mentioned buttons, remote control programs are reset.)
The button + , - refered to above is the buttons for setting the hour not temperature.

General Note:

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.
Remove the batteries if you do not use the remote control unit for more than one month.
The batteries last about six months, depending on how much you use the remote control unit.
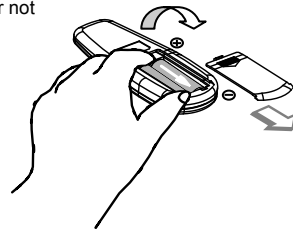The batteries of the remote control contain polluted substances exhausted batteries must be disposed according to the laws in force.

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.

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.

NOTE

The remote control unit sends the temperature signal to the air-condition per four minutes, If the remote control unit stops for more than five minutes due to some troubles, the air conditioner will switch to the temperature sensor 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.

REMOTE CONTROL UNIT DISPLAY

OPERATION

HOW TO SET THE PRESENT TIME

1. Press the SET button for three 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.

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 airconditioner ON.
3. Press the TEMP buttons to set the desired temperature (the temperature range is between 30°C (or 26°C) max. and 16°C (or 12°C) min.).
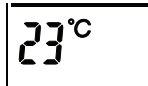   Note: The temperature range has 2 options: 16°C -30°C or 12°C -26°C.

```
23°C
```
THE DISPLAY SHOWS THE SELECTED TEMPERATURE.
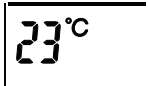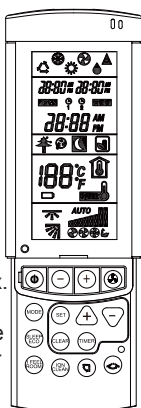
4. Press the FAN SPEED button to select the fan speed.
5. Press button 🕙 and button ☺ can adjust the air flow direction. For detail see "ADJUST THE AIR FLOW DIRECTION".

HEATING

1. Set the MODE selector to HEAT ☼ .
2. Press the ON/OFF button and switch the air condioner ON.
3. Press the TEMP buttons to set the desired temperature (the temperature range is between 30°C (or 26°C) max. and 16°C (or 12°C) min.).
   Note: The temperature range has 2 options: 16°C -30°C or 12°C -26°C.

```
23°C
```
THE DISPLAY SHOWS THE SELECTED TEMPERATURE.

4. Press the FAN SPEED button to select the fan speed.
5. Press button 🕙 and button ☺ can adjust the air flow direction. For detail see "ADJUST THE AIR FLOW DIRECTION".

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.

OPERATION

AUTOMATIC OPERATION

1. Set the MODE selector to AUTO ⬙ .
2. Press the ON/OFF button and switch the air condioner ON.
3. Press the TEMP. buttons to set the desired temperature (The temperature range is between 30℃(or 26℃) max. and 16℃(or 12℃) Note: the temperature range has 2 options: 16℃-30℃ or 12℃-26℃

23℃
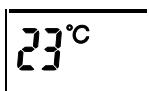
THE DISPLAY SHOWS THE SELECTED TEMPERATURE.

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.
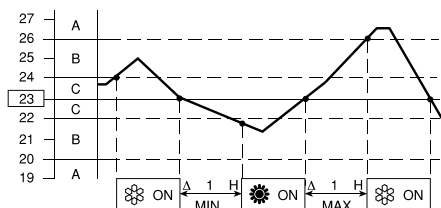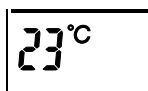

NOTE
The air conditioner changes the operation mode (from cool to heat), if one of the following conditions occurs:
- **ZONE A:** changes if the difference between the room temperature and the temperature set on the remote control unit is at least 3°C..
- **ZONE B:** changes if the difference between 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 condioner ON.
3. Press the TEMP. buttons to set the desired temperature (The temperature range is between 30℃(or 26℃) max. and 16℃(or 12℃) Note: the temperature range has 2 options: 16℃-30℃ or 12℃-26℃

23℃

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	High
	Between 2 and 1 °C	Medium
	Below 1 °C	Low
Heating mode:	2 °C and over	High
	Below 2 °C	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:

(Silent) → (Low) → (Medium)→

(High)→ (Strong)→ (Auto)

1) Strong fan will only operation cooling & heating mode.
2) Silent fan and Strong fan are both optional, and they depends on the air-condition type.

SLEEP MODE

The SLEEP mode enables you to save energy.
1. Set the MODE selector to cool, dry or heat.
2. Short press the SLEEP/ECO button (release it within three seconds).
3. The ⬛ mark appears on the display. Short press the SLEEP/ECO button again to release the SLEEP function.

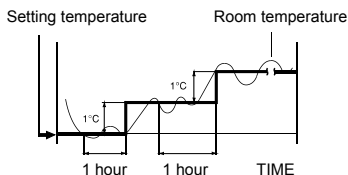**What does the SLEEP mode mean?**

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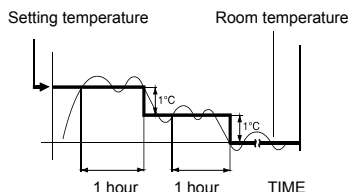
OPERATING MODE	SET TEMPERATURE CHANGE
Heating	Lowered by 1 °C
Cooling and Dehumidifying	Raised by 1 °C

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

Setting temperature   Room temperature

1°C

1°C

1 hour   1 hour   TIME

HEATING

Setting temperature   Room temperature

1°C

1°C

1 hour   1 hour   TIME

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OPERATION

IONIZER FUNCTION OPERATION (OPTIONAL)

Short press ION/CLEAN button (release it within three seconds), the [❄] mark appears on the display. Short press the button again to release the IONIZER function (E.S.F works together with Ionizer).

I FEEL/ROOM TEMP FUNCTION OPERATION

Press button I FEEL/ROOM to activate the I FEEL 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 I FEEL sensor in front. Prevent the I FEEL 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 I FEEL function. By pressing on ROOM temperature, the measured 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 0 and 50 in 1 increments. Display should show "HI" or "LO" to represent temperature that is above 50 or below 0.

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

There are two daily timers that can be selected on the remote control. Each timer can be selected by pressing TIMER button.
The daily timers T1 and T2 can be set for ON and OFF separately for two different time periods.
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.

```
10:00
ON    ⏱
       1
```
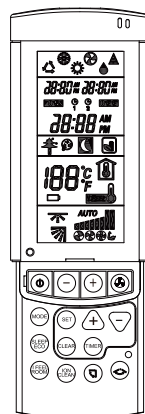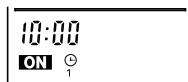
B) HOW TO SET THE OFF TIME

1. Press the TIMER button to select the desired timer.
2. Press the SET buttons till the OFF sign blinks.

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3. Press the + or - (HOUR) button until the desired value is displayed.
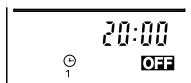4. Press the SET button to activate the timer.

```
20:00
⏱      OFF
 1
```

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.

```
10:00  20:00
ON   ⏱      OFF
 1
```

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

Press ⊙ button to activate the supply air flap to auto swing. If you push again the flap stops immediately.
Press ⊙ button has two options:
● If the indoor unit has a horizontal motor, press the button to activate the horizontal air flow auto swing, and press it again, the flap stops immediately.
● If the indoor unit has not horizontal motor, press the button to stop the vertical air flow auto swing, and the position of vertical air flap will be changed by manual.

⚠ **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.

CLEAN FUNCTION OPERATION

The CLEAN function comes to dry the indoor coil as well as mould prevention.
Long press the ION/CLEAN button (release it after three seconds), the [⊚] mark will disappear after flash five seconds and notice the indoor unit execute CLEAN function.

ECONOMY FUNCTION OPERATION

The function comes to reduce energy of the unit operation by limiting the maximum allowed power input
1. Long press the SLEEP/ECO button (release it after three seconds).
2. The [▣] mark appears on the display. Long press the SLEEP/ECO button again, to release the ECONOMY function.

NOTES

Some functions of remote controller will not be available when the unit does not support them!