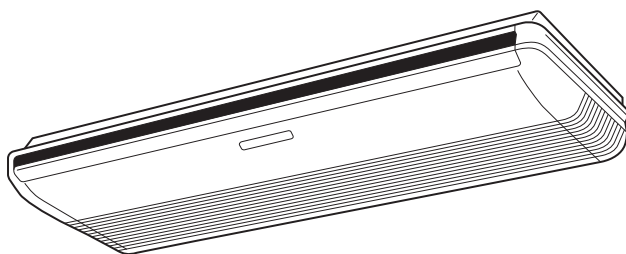AIR CONDITIONER
CEILING TYPE

OPERATING MANUAL
BEDIENUNGSANLEITUNG
MODE D'EMPLOI
MANUAL DE FUNCIONAMIENTO
MANUALE DI ISTRUZIONI
ΕΓΧΕΙΡΙΔΙΟ ΛΕΙΤΟΥΡΓΙΑΣ
MANUAL DE FUNCIONAMENTO
РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ
KULLANIM KILAVUZU
使用説明書

KEEP THIS MANUAL FOR FUTURE REFERENCE
BEWAHREN SIE DIESES HANDBUCH ZUM SPÄTEREN NACHSCHLAGEN AUF
CONSERVEZ CE MANUEL POUR RÉFÉRENCE ULTÉRIEURE
CONSERVE ESTE MANUAL PARA FUTURA REFERENCIA
CONSERVARE IL PRESENTE MANUALE PER FUTURE CONSULTAZIONI
ΦΥΛΑΞΤΕ ΤΟ ΕΓΧΕΙΡΙΔΙΟ ΓΙΑ ΜΕΛΛΟΝΤΙΚΗ ΑΝΑΦΟΡΑ
GUARDE ESTE MANUAL PARA REFERÊNCIA FUTURA
ХРАНИТЕ РУКОВОДСТВО ДЛЯ СПРАВОК В БУДУЩЕМ
BU KILAVUZU İLERİDE BAŞVURMAK ÜZERE SAKLAYIN
請保存本説明書以供日後參考

[Original instructions]

PART No. 9374379736-03

CONTENTS

SAFETY PRECAUTIONS

- **To prevent personal injury, or property damage, read this section carefully before you use this product, and be sure to comply with the following safety precautions.**
- **Incorrect operation due to failure to follow the instructions may cause harm or damage, the seriousness of which is classified as follows:**

⚠ WARNING	This mark indicates procedures which, if improperly performed, might lead to the death or serious injury of the user or service personnel.
⚠ CAUTION	This mark indicates procedures which, if improperly performed, might possibly result in personal harm to the user, or damage to property.

⚠ WARNING

- This product contains no user-serviceable parts. Always consult authorized service personnel for repairing, installation, and relocation of this product.
  Improper installation or handling will cause leakage, electric shock, or fire.
- In the event of a malfunction such as burning smell, immediately stop operation of the air conditioner, and disconnect all the power supply by turning off the electrical breaker or disconnecting the power plug. Then consult authorized service personnel.
- Take care not to damage the power supply cable.
  If it is damaged, it should only be replaced by authorized service personnel.
- In the event of refrigerant leakage, be sure to keep away from fire or any flammables, and consult authorized service personnel.
- In the event of a thunder storm or any prior sign of a lightning strike, turn off the air conditioner via the remote controller, and refrain from touching the product or the power source to prevent any electrical hazards.

- 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.
- Do not start or stop the operation of this product by inserting or pulling out the power plug, or by turning on or off the circuit breaker.
- Do not use flammable gases near this product.
- Do not expose yourself directly to the cooling airflow for many hours.
- Do not insert your fingers or any other objects into outlet port, open panel, or intake grille.
- Do not operate with wet hands.

⚠ CAUTION

- Provide occasional ventilation during use.
- Always operate this product with air filters installed.
- Ensure that any electronic equipment is at least 1 m (40 in) away from either the indoor unit or outdoor unit.
- Disconnect all the power supply when you are not using this product for extended periods.
- After a long period of use, ensure to get the mounting of the indoor unit checked to prevent this product from falling down.
- The airflow direction and the room temperature should be carefully considered when you use this product in a room with infants, children, elderly or sick persons.
- Do not direct the airflow at fireplaces or heating apparatus.
- Do not block or cover the intake grille and the outlet port.
- Do not apply any heavy pressure to radiator fins.
- Do not climb on, place objects on, or hang objects from this product.

- Do not place any other electrical products or household belongings under this product.
  Dripping condensation from this product might get them wet, and may cause damage or malfunction of your property.
- Do not expose this product directly to water.
- Do not use this product for preservation of food, plants, animals, precision equipment, art work, or other objects. This may cause quality deterioration of those items.
- Do not expose animals or plants to the direct airflow.
- Do not drink the drainage from the air conditioner.
- Do not pull the power supply cable.
- Do not touch the aluminum fins of heat exchanger built-in this product to avoid personal injury when you maintain the unit.

FEATURES AND FUNCTIONS

■ Energy saving and comfortable function

INVERTER

At the start of operation, large amount of power is used to bring the room quickly to the desired temperature. Afterwards, the unit automatically switches to a low power setting for economic and comfortable operation.

ECONOMY OPERATION

When the Economy operation is operated, the room temperature will be little higher than the set-temp under the Cooling mode and lower than set-temp under the Heating mode. Therefore, the Economy operation is able to save more energy than other normal operation.

OMNI-DIRECTIONAL AIRFLOW (SWING OPERATION)

3-dimensional control over air direction swing is possible through dual use of both the Up/down Swing operation and the Left/right Swing operation. Since up/down air direction louvers operate automatically according to the operating mode of the unit, it is possible to set air direction based on the operating mode.

SUPER QUIET OPERATION

When the "FAN" button is used to select [QUIET], the indoor unit begins the Super Quiet operation; the indoor unit's airflow is reduced to produce quieter operation.

AUTO CHANGEOVER

The operation mode (Cooling mode, Dry mode, Heating mode) is switched auto matically to maintain the set temperature, and the temperature is kept constant at all times.

10 °C HEAT OPERATION

The room temperature can be maintained at 10°C so as to prevent the room temperature from falling too far.

■ Convenient function

PROGRAM TIMER

The Program Timer allows you to integrate the Off Timer and the On Timer operations in a single sequence. The sequence can involve 1 transition from the Off Timer to the On Timer, or from the On Timer to the Off Timer, within a 24 hour period.

SLEEP TIMER

When the "SLEEP" button is pressed during the Heating mode, the air conditioner's temperature setting is gradually lowered during the period of operation; during the Cooling or the Dry mode, the temperature setting is gradually raised during the period of operation. When the set time is reached, the unit automatically turns off.

■ Clean function

REMOVABLE AIR FILTER

The indoor unit's air filter can be removed for easy cleaning and maintenance.

This product contains fluorinated greenhouse gases.

FEATURES AND FUNCTIONS

■ Remote controller

WIRELESS REMOTE CONTROLLER

The wireless remote controller allows convenient control of air conditioner operation.

WIRED REMOTE CONTROLLER (OPTIONAL)

The optional wired remote controller can be used.
When you use the wired remote controller, there are following different points as compared with using wireless remote controller.

[The additional functions for wired remote controller]
• Weekly Timer
• Temperature Set Back Timer

And you can use both wired remote controller and wireless remote controller simultaneously.
(But function is limited)

When the restricted functions on the remote controller are used, beeping sound will be heard, the Operation indicator lamp, the Timer indicator lamp and the Economy indicator lamp of the indoor unit will blink.

[The restricted functions for wireless remote controller]
• Sleep Timer
• Timer operation (On Timer, Off Timer and Program Timer)
• 10 °C Heat operation

NAME OF PARTS

Indoor unit
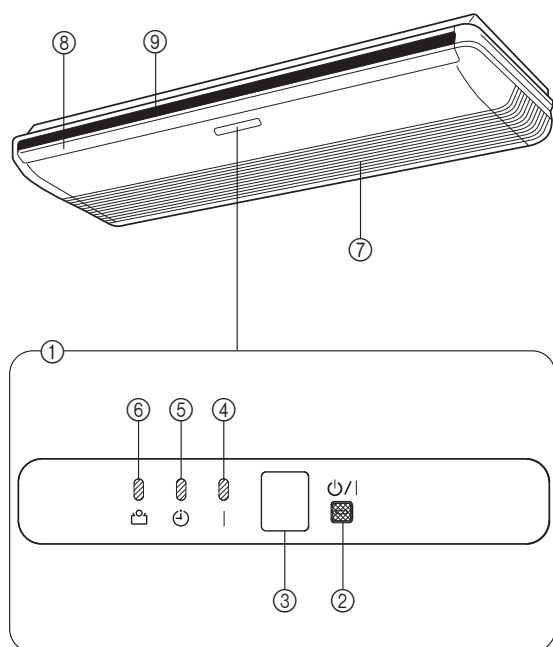
① **Control panel**
② **Manual Auto button**
   ● When the Manual Auto button is pressed in for more than 10 seconds, the Forced Cooling operation will start.
   ● The Forced Cooling operation is used at the time of installation.
      Only for authorized service personnel's use.
   ● When the Forced Cooling operation starts by any chance, press the "START/STOP" button to stop the operation.
   ● Please press the button to reset the filter indicator.
③ **Remote controller signal receiver**
④ **Operation indicator lamp (green)**
⑤ **Timer indicator lamp (orange)**
   ● Timer indicator lamp lights when the timer is set from wireless remote controller.
   ● If the Timer indicator lamp blinks when the timer is operating, it indicates that a fault has occurred with the timer setting (see "Auto restart" on page 16.)
⑥ **Economy indicator lamp (green)**
   ● Economy indicator lamp lights in the following operations:
      • Economy operation
      • 10 ºC Heat operation (controlled by wireless remote controller)
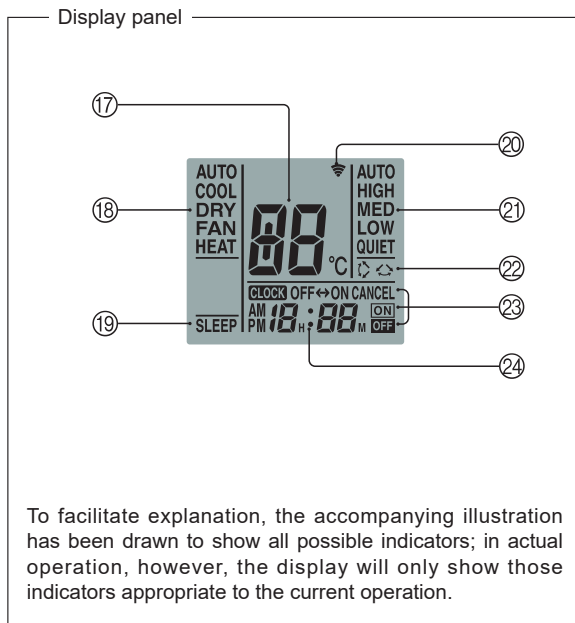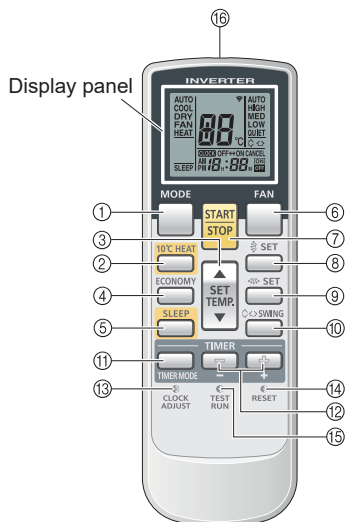
⑦ **Intake grille**
⑧ **Up/down air direction louvers**
⑨ **Left/right air direction louvers**
   (behind up/down air direction louvers)

NAME OF PARTS

Remote controller

Display panel

Display panel

To facilitate explanation, the accompanying illustration has been drawn to show all possible indicators; in actual operation, however, the display will only show those indicators appropriate to the current operation.

① **"MODE" button**

② **"10 °C HEAT" button**

③ **"SET TEMP." button (▲ / ▼)**

④ **"ECONOMY" button**

⑤ **"SLEEP" button**

⑥ **"FAN" button**

⑦ **"START/STOP" button**

⑧ **"SET" button (Vertical)**

⑨ **"SET" button (Horizontal)**

⑩ **"SWING" button**

⑪ **"TIMER MODE" button**

⑫ **"TIMER" Set (⊞ / ⊟) button**

⑬ **"CLOCK ADJUST" button**

⑭ **"RESET" button**

⑮ **"TEST RUN" button**

- This button is used when installing the air conditioner, and should not be used under normal conditions, as it will cause the air conditioner's thermostat function to operate incorrectly.
- If this button is pressed during normal operation, the unit will switch to the Test Run mode, and the indoor unit's Operation indicator lamp and Timer indicator lamp will begin to blink simultaneously.
- To stop the Test Run mode, press the "START/STOP" button to stop the air conditioner.

⑯ **Signal transmitter**

⑰ **Temperature set indicator**

⑱ **Operating mode indicator**

⑲ **[SLEEP] indicator**

⑳ **Transmit indicator**

㉑ **Fan speed indicator**

㉒ **Swing indicator**

㉓ **Timer mode indicator**

㉔ **Clock indicator**

Some indoor units may not be equipped with the functions corresponding to all of the buttons on this remote controller. The indoor unit will beep and the Operation indicator lamp, Timer indicator lamp and Economy indicator lamp blink when a remote controller button is pressed if the function is not available.
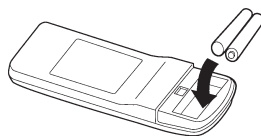
PREPARATION

Turn on the power

1 **Turn on the circuit breaker.**

Load batteries (AAA/R03/LR03 × 2)

1 **Press and slide the battery compartment lid on the reverse side to open it.**
Slide the lid while pressing the ▼ mark.

2 **Insert batteries.**
Be sure to align the battery polarities (⊕/⊖) correctly.

3 **Close the battery compartment lid.**

Set the current time

1 **Press the "CLOCK ADJUST" button.**
Use the tip of a ball-point pen or other small object to press the button.

2 **Use the "TIMER" Set (⊞ / ⊟) buttons to adjust the clock to the current time.**
⊞ **button:** Press to advance the time.
⊟ **button:** Press to reverse the time.

(Each time the buttons are pressed, the time will be advanced/reversed in 1-minute increments; hold the buttons depressed to change the time quickly in 10-minute increments.)

3 **Press the "CLOCK ADJUST" button again.**
This completes the time setting and starts the clock.

To use the remote controller

- The remote controller must be pointed at signal receiver to operate correctly.
- Operating range: About 7 meters.
- When a signal is properly received by the air conditioner, a beeping sound will be heard.
- If no beep is heard, press the button of the remote controller again.

Remote controller holder

Screws

Insert
Press in

Slide up
Pull out

① **Mount the remote controller holder.**

② **Set the remote controller.**

③ **To remove the remote controller (when use at hand).**

⚠ WARNING

- Take care to prevent infants and young children from accidentally swallowing the batteries.
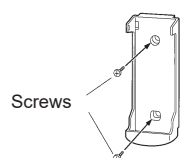
⚠ CAUTION

- To prevent malfunction or damage of the remote controller:
  - Place remote controller at where will not be exposed to direct sunlight or excessive heat.
  - Remove batteries if the product is not going to be used for an extended period.
  - Exhausted batteries must be removed immediately, and be disposed according to the local laws and regulations of your region.
- If leaking battery fluid comes in contact with your skin, eyes, or mouth, immediately rinse with plenty of clean water, and consult your physician.
- Obstacles such as a curtain or wall between the remote controller and the indoor unit may affect the appropriate signal transmission.
- Do not apply strong shocks to the remote controller.
- Do not pour water on the remote controller.
- Do not attempt to recharge dry batteries.
- Do not use dry batteries that has been recharged.

Use specified type of batteries only.
Do not mix different types or new and used batteries together.
Batteries can be used about 1 year in ordinary use. If the remote control range noticeably shortens, replace the batteries, and press the "RESET" button with the tip of a ball point pen or other small object.
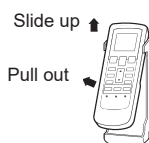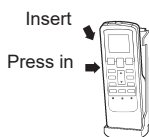
OPERATION

To select the operating mode

1 **Press the "START/STOP" button.**
The indoor unit's Operation indicator lamp (green) will light.
The air conditioner will start operating.

2 **Press the "MODE" button to select the desired mode.**
Each time the button is pressed, the mode will change in the following order.

```
 ┌──→ [AUTO] ──→ [COOL] ──→ [DRY] ─┐
 └── [HEAT] ←────────── [FAN] ←─┘
```

About 3 seconds later, the entire display will reappear.

Example: When set to [COOL].

To set the room temperature

Press the "SET TEMP." button.
▲ **button:** Press to raise the temperature setting.
▼ **button:** Press to lower the temperature setting.

● **Temperature setting range:**
Auto mode............................18-30 °C
Heating mode........................16-30 °C
Cooling mode/Dry mode ....18-30 °C
The temperature cannot be set during the Fan mode (the temperature will not appear on the remote controller display).

About 3 seconds later, the entire display will reappear.

> The temperature setting should be considered a standard value, and may differ somewhat from the actual room temperature.

Example: When set to 26 °C.

To set the fan speed

Press the "FAN" button.
Each time the button is pressed, the fan speed changes in the following order:

```
 ┌──→ [AUTO] ──→ [HIGH] ──→ [MED] ──→ [LOW] ──→ [QUIET] ─┐
 └──────────────────────────────────────────────────────┘
```

About 3 seconds later, the entire display will reappear.

When set to [AUTO]:
Heating mode: Fan operates so as to optimally circulate warmed air.
However, the fan will operate at very low speed when the temperature of the air issued from the indoor unit is low.
Cooling mode: As the room temperature approaches that of the temperature setting, the fan speed becomes slower.
**Fan mode:** The fan runs at the low fan speed.

The fan will operate at a very low setting during the Monitor operation and at the start of the Heating mode.

Example: When set to [AUTO].

Super Quiet operation

When set to [QUIET]:
The Super Quiet operation begins. The indoor unit's airflow will be reduced for quieter operation.
● The Super Quiet operation cannot be used during the Dry mode. (The same is true when the Dry mode is selected during the Auto mode operation.)
● During the Super Quiet operation, heating and cooling performance will be reduced somewhat. If the room does not warm up/cool down when using the Super Quiet operation, please adjust the air conditioner's fan speed.
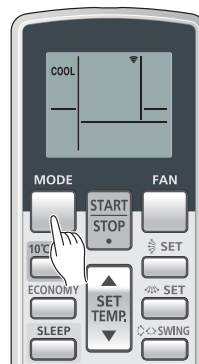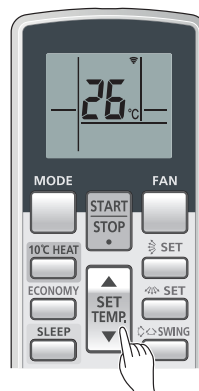
OPERATION

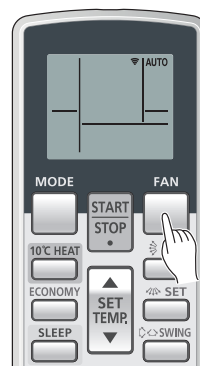Instructions relating to heating (*) are applicable only to Heating and Cooling model (Reverse Cycle).

To stop operation

Press the "START/STOP" button.
The Operation indicator lamp (green) will go out.

Operating mode

[AUTO] (in Cooling model):

- When the Auto mode (automatic changeover) operation is selected, the fan will operate at very low speed for about a few minutes, during which time the indoor unit detects the room conditions and selects the proper mode.

  Room temperature is higher than the defined temperature in temperature setting → Cooling mode or Dry mode

  Room temperature is close to or lower than the defined temperature in temperature setting → Monitor operation

	Cooling mode or Dry mode
Defined temperature in temperature setting	Monitor operation
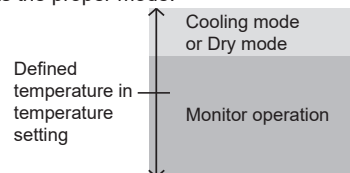
- When the indoor unit has adjusted your room's temperature to near the temperature setting, it will begin the Monitor operation. In the Monitor operation, the fan will operate at low speed. If the room temperature subsequently changes, the indoor unit will once again select the appropriate operation (Cooling mode) to adjust the temperature to the value set in the temperature setting.
- If the mode automatically selected by the unit is not what you wish, select one of the operating mode ([COOL], [DRY], [FAN]).

[AUTO] [in Heating and Cooling model (Reverse Cycle)]:

- When Auto mode (automatic changeover) is selected, the air conditioner selects the appropriate operation (Cooling mode or Heating mode) according to your room's present temperature.
- When the Auto mode is selected, the fan will operate at low speed for about a few minute, during which time the indoor unit detects the room conditions and selects the proper operating mode.

  Room temperature is higher than the defined temperature in temperature setting → Cooling mode or Dry mode

  Room temperature is close to the defined temperature in temperature setting → Determined by outdoor temperature

  Room temperature is lower than the defined temperature in temperature setting → Heating mode

	Cooling mode or Dry mode
Defined temperature in temperature setting	Determined by outdoor temperature
	Heating mode
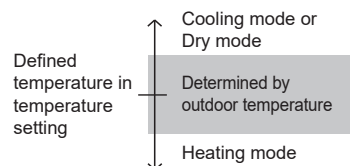
- When the air conditioner has adjusted your room's temperature to near the temperature setting, it will begin the Monitor operation. In the Monitor operation, the fan will operate at low speed. If the room temperature subsequently changes, the air conditioner will once again select the appropriate operation (Heating mode, Cooling mode) to adjust the temperature to the value set in the thermostat.
- If the mode automatically selected by the unit is not what you wish, select one of the operating mode ([HEAT], [COOL], [DRY], [FAN]).

[HEAT]*:
- Use to warm your room.
- When the Heating mode is selected, the air conditioner will operate at very low fan speed for about 3 to 5 minutes, after which it will switch to the selected fan setting. This period of time is provided to allow the indoor unit to warm up before beginning full operation.
- When the room temperature is very low, frost may form on the outside unit, and its performance may be reduced. In order to remove such frost, the unit will automatically enter the defrost cycle from time to time. During the Automatic Defrosting operation, the Operation indicator lamp will blink, and the Heating mode operation will be interrupted.
- After the start of the Heating mode operation, it takes some time before the room gets warmer.

[COOL]:
- Use to cool your room.

[DRY]:
- Use for gently cooling while dehumidifying your room.
- You cannot heat the room during the Dry mode.
- During the Dry mode, the unit will operate at low speed; in order to adjust room humidity, the indoor unit's fan may stop from time to time. Also, the fan may operate at very low speed when adjusting room humidity.
- The fan speed cannot be changed manually when the Dry mode has been selected.

[FAN]:
- Use to circulate the air throughout your room.

During Heating mode*:
Set the temperature higher than the current room temperature. The Heating mode will not operate if the set temperature is lower than the actual room temperature.

During Cooling mode/Dry mode:
Set the temperature lower than the current room temperature. The Cooling mode and the Dry mode will not operate if the set temperature is higher than the actual room temperature (in the Cooling mode, the fan alone will operate).

During Fan mode:
You cannot use the unit to heat and cool your room.

TIMER OPERATION

Before using the timer operation, be sure that the remote controller is set to the correct current time (☞ P. 5).
If the indoor unit is connected to a wired remote controller, the wireless remote controller cannot be used to set the timer.

NOTES: In simultaneous multi connection, this function by using the wireless remote controller cannot be used.

To use On Timer or Off Timer

1 **Press the "START/STOP" button
(if the unit is already operating, proceed to step 2).**
The indoor unit's Operation indicator lamp (green) will light.

2 **Press the "TIMER MODE" button to select the Off Timer or the On Timer operation.**
Each time the button is pressed the timer function changes in the following order:

$$\text{[CANCEL]} \rightarrow \text{[OFF]} \rightarrow \text{[ON]}$$
$$\text{PROGRAM ([OFF} \rightarrow \text{ON], [OFF} \leftarrow \text{ON])}$$
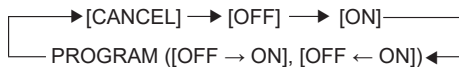
The indoor unit's Timer indicator lamp (orange) will light.

3 **Use the "TIMER" Set buttons to adjust the desired Off time or On time.**
Set the time while the clock indicator is blinking (the blinking will continue for about 5 seconds).

⊞ **button:** Press to advance the time.
⊟ **button:** Press to reverse the time.

About 5 seconds later, the entire display will reappear.

To Cancel the timer
Use the "TIMER MODE" button to select [CANCEL].
The air conditioner will return to normal operation.

To change the timer settings
Perform steps **2** and **3**.

To stop air conditioner operation while the timer is operating
Press the "START/STOP" button.

To change operating conditions
If you wish to change operating conditions (mode, fan speed, temperature setting, Super Quiet operation), after making the timer setting wait until the entire display reappears, then press the appropriate buttons to change the operating condition desired.

To use Program Timer

1 **Press the "START/STOP" button
(if the unit is already operating, proceed to step 2).**
The indoor unit's Operation indicator lamp (green) will light.

2 **Set the desired times for Off Timer and On Timer.**
See the section "To use On Timer or Off Timer" to set the desired mode and times.
About 3 seconds later, the entire display will reappear.
The indoor unit's Timer indicator lamp (orange) will light.

3 **Press the "TIMER MODE" button to select the Program Timer operation ([OFF → ON] or [OFF ← ON] will display).**
The display will alternately show [OFF] and [ON], then change to show the time setting for the operation to occur first.
● The Program Timer will begin operation. (If the On Timer has been selected to operate first, the unit will stop operating at this point.)
About 5 seconds later, the entire display will reappear.

To cancel the timer
Use the "TIMER MODE" button to select [CANCEL].
The air conditioner will return to normal operation.

To change the timer settings
1. Follow the instructions given in the section "To use On Timer or Off Timer" to select the timer setting you wish to change.
2. Press the "TIMER MODE" button to select either [OFF → ON] or [OFF ← ON].

To stop air conditioner operation while the timer is operating
Press the "START/STOP" button.

To change operating conditions
If you wish to change operating conditions (mode, fan speed, temperature setting, Super Quiet operation), after making the timer setting wait until the entire display reappears, then press the appropriate buttons to change the operating condition desired.

About Program Timer

● The Program Timer allows you to integrate the Off Timer and the On Timer operations in a single sequence. The sequence can involve 1 transition from Off Timer to On Timer, or from On Timer to Off Timer, within a 24 hour period.

● The first timer function to operate will be the 1 set nearest to the current time. The order of operation is indicated by the arrow in the remote controller display ([OFF → ON] or [OFF ← ON]).

● An example of the Program Timer use might be to have the air conditioner automatically stop (Off Timer) after you go to sleep, then start (On Timer) automatically in the morning before you arise.

SLEEP TIMER OPERATION

Unlike other timer functions, the Sleep Timer is used to set the length of time until air conditioner operate is stopped.
If the indoor unit is connected to a wired remote controller, the wireless remote controller cannot be used to set the Sleep Timer.

NOTES: In simultaneous multi connection, this function by using the wireless remote controller cannot be used.

To use Sleep Timer

While the air conditioner is operating or stopped, press the "SLEEP" button.

The indoor unit's Operation indicator lamp (green) lights and the Timer indicator lamp (orange) light.

To change timer settings

Press the "SLEEP" button once again and set the time using the "TIMER" Set (⊞ / ⊟) buttons.

⊞ **button:** Press to advance the time.

⊟ **button:** Press to reverse the time.

About 5 seconds later, the entire display will reappear.

To cancel the timer

Use the "TIMER MODE" button to select [CANCEL].
The air conditioner will return to normal operation.

To stop the air conditioner during timer operation

Press the "START/STOP" button.

About Sleep Timer

To prevent excessive warming or cooling during sleep, the Sleep Timer function automatically modifies the temperature setting in accordance with the set time setting. When the set time has elapsed, the air conditioner completely stops.

During Heating mode:
When the Sleep Timer is set, the temperature setting is automatically lowered 1 °C every 30 minutes. When the temperature has been lowered a total of 4 °C, the temperature setting at that time is maintained until the set time has elapsed, at which time the air conditioner automatically turns off.

Sleep Timer setting
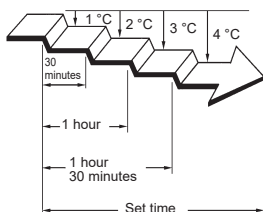
During Cooling mode / Dry mode:
When the Sleep Timer is set, the temperature setting is automatically raised 1 °C every 1 hour. When the temperature has been raised a total of 2 °C, the temperature setting at that time is maintained until the set time has elapsed, at which time the air conditioner automatically turns off.
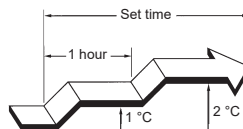
Sleep Timer setting

MANUAL AUTO OPERATION

Perform the Manual Auto operation if you have lost the remote controller or encounter remote control malfunction.

How to control the indoor unit without remote controller

Press the Manual Auto button on the indoor unit more than 3 seconds and less than 10 seconds.

To stop the operation, press the Manual Auto button once again.

- When the air conditioner is operated with the Manual Auto button on the indoor unit, it will perform the same mode as the Auto mode selected on the remote controller.
- The fan speed will be set to [AUTO] and the temperature setting will be at the standard value. (24 °C)

ADJUSTING THE DIRECTION OF AIR CIRCULATION

Instructions relating to heating (*) are applicable only to Heating and Cooling model (Reverse Cycle).

● Adjust the up, down, left and right air directions with the "SET" buttons on the remote controller.

● Use the "SET" buttons after the indoor unit has started operating and the air direction louvers have stopped moving.

Vertical air direction adjustment

Press the "SET" button (Vertical).

Each time the button is pressed, the air direction range will change as follows:
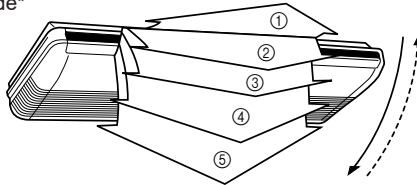
① ⇄ ② ⇄ ③ ⇄ ④ ⇄ ⑤

Types of Airflow Direction Setting:

①, ②, ③   : During Cooling mode/Dry mode

①, ②, ③, ④, ⑤   : During Heating mode*

The remote controller display does not change.

● Use the air direction adjustments within the ranges shown above.

● The vertical airflow direction is set automatically as shown, in accordance with the operating mode selected.

    Horizontal flow ①   : During Cooling mode/Dry mode

    Downward flow ⑤   : During Heating mode*

● During the Auto mode operation, for the first minute after beginning operation, airflow will be horizontal ①; the air direction cannot be adjusted during this period.
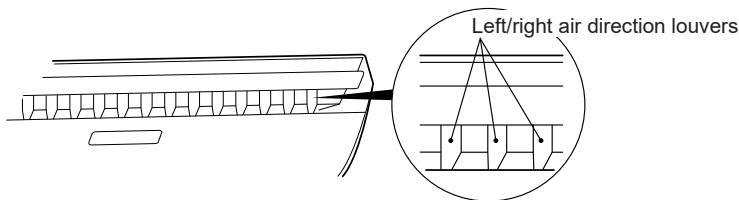
Horizontal air direction adjustment
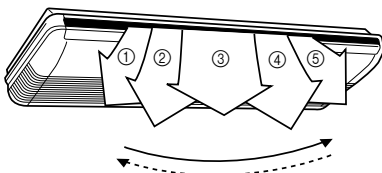
Press the "SET" button (Horizontal).

Each time the button is pressed, the air direction range will change as follows:

① ⇄ ② ⇄ ③ ⇄ ④ ⇄ ⑤

The remote controller display does not change.

Left/right air direction louvers

● Use the air direction adjustments within the ranges shown below.

⚠ **WARNING**

Never place fingers or foreign objects inside the outlet ports, since the internal fan operates at high speed and could cause personal injury.

● Attempting to move up/down air direction louvers or left/right air direction louvers manually could result in improper operation; in this case, stop operation and restart. The louvers should begin to operate properly again.

● During use of the Cooling mode and the Dry mode, do not set the up/down air direction louvers in the Heating mode range (④ to ⑤) for long periods of time, since water vapor may condense near the outlet louvers and drops of water may drip from the air conditioner. During the Cooling mode and the Dry mode, if the air direction louvers are left in the Heating mode range for more than 30 minutes, they will automatically return to position ③.

● When used in a room with infants, children, elderly or sick persons, the air direction and room temperature should be considered carefully when making settings.
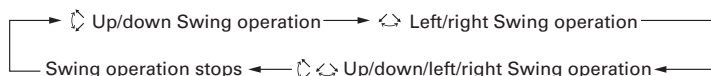
SWING OPERATION

Begin air conditioner operation before performing this procedure.

To select Swing operation

Press the "SWING" button.
Each time the "SWING" button is pressed, the Swing operation will change in the following order.

Up/down Swing operation → Left/right Swing operation

Swing operation stops ← Up/down/left/right Swing operation ←

To stop Swing operation

Press the "SWING" button and select stop.
Airflow direction will return to the setting before the Swing operation was begun.

About Swing operation

● To select the Up/down Swing operation

Operating mode	Range of swing
Cooling mode/Dry mode	① to ④
Heating mode	③ to ⑤
Fan mode	① to ⑤

The Swing operation may stop temporarily when the air conditioner's fan is not operating, or when operating at very low speeds.

● To select the Left/right Swing operation

Operating mode	Range of swing
Cooling mode/Dry mode	① to ⑤ (All range)
Heating mode	① to ⑤ (All range)
Fan mode	① to ⑤ (All range)

The Swing operation may stop temporarily when the air conditioner's fan is not operating, or when operating at very low speeds.

ECONOMY OPERATION

Begin air conditioner operation before performing this procedure.

To use Economy operation

Press the "ECONOMY" button.
The Economy indicator lamp (green) will light.
The Economy operation begins.

To stop Economy operation

Press the "ECONOMY" button again.
The Economy indicator lamp (green) will go out.
Normal operation begins.

About Economy operation

At the maximum output, the Economy operation is approximately 70% of normal operation for cooling and heating.

● If the room is not cooled (or heated) well during the Economy operation, select normal operation.

● During the Monitor operation in the Auto mode, the air conditioner operation will not change to the Economy operation even if the Economy operation is selected by pressing the "ECONOMY" button.

● When the Economy operation is operated, the room temperature will be little higher than the set-temp under the Cooling mode and lower than the set-temp under the Heating mode. Therefore, the Economy operation is able to save more energy than other normal operation.

10 °C HEAT OPERATION

NOTES: In simultaneous multi connection, this function by using the wireless remote controller cannot be used.

> ### To use 10 °C Heat operation

Press the "10 °C HEAT" button.
The Operation indicator lamp (green) will go out, and the Economy indicator lamp (green) will light.

> While the 10 °C Heat operation is in progress, only the following operation can be used.
> • ↻ ↺ Swing operation

> ### To stop 10 °C Heat operation

Press the "START/STOP" button.
Then the operation stops and the Economy indicator lamp (green) will go out.

> #### About 10 °C Heat operation

• The Heating mode will not operate if the room temperature is high enough.
• The room temperature can be maintained at 10 °C by pressing the "10 °C HEAT" button so as to prevent the room temperature from falling too far.


REMOTE CONTROLLER CUSTOM CODE SETTING

When two or more air conditioners are installed in a room and the remote controller is operating an air conditioner other than the one you wish to set, change the custom code of the remote controller to operate only the air conditioner you wish to set (4 selections possible).
When two or more air conditioners are installed in a room, please contact your retailer to set the individual air conditioner custom codes.
Use the following steps to select the custom code of the remote controller. (Note that the air conditioner cannot receive a signal if it has not been set for the matching custom code.)

1 **Press the "START/STOP" button until only the clock indicator is displayed on the remote controller display panel.**

2 **Press the "MODE" button for at least five seconds to display the current custom code (initially set to A).**

3 **Press the "SET TEMP." buttons (▲/▼) to change the custom code between ⌐A↔B↔C↔D⌐. Match the code on the display panel to the air conditioner custom code.**

4 **Press the "MODE" button again to return to the clock indicator display. The custom code will be changed.**
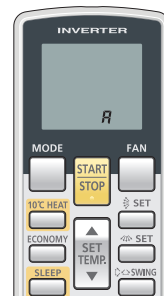
● If no buttons are pressed within 30 seconds after the custom code is displayed, the system returns to the original clock indicator display. In this case, start again from step 1.
● The air conditioner custom code is set to "A" prior to shipment. Contact your retailer to change the custom code.
● The remote controller resets to custom code "A" when the batteries in the remote controller are replaced. If you use a custom code other than "A", reset the custom code after replacing the batteries.
If you do not know the air conditioner custom code setting, try each of the custom codes (A → B → C → D) until you find the code which operates the air conditioner.

CLEANING AND CARE

⚠ CAUTION	● Before cleaning this product, be sure to turn it off and disconnect all the power supply.
	● The fan operates at high speed inside the unit, and could result in personal injury.
	● Be careful not to drop the intake grille.
	● As filter cleaning involves work in high places, please consult authorized service personnel.
	● Do not expose the unit body to liquid insecticides or hairsprays.

● When used for extended periods, the unit may accumulate dirt inside, reducing its performance. We recommend that the unit be inspected regularly, in addition to your own cleaning and care. For more information, consult authorized service personnel.
● When cleaning the unit's body, do not use water hotter than 40 °C, harsh abrasive cleansers, or volatile agents like benzene or thinner.
● If the unit will not be operated for a period of 1 month or more, be sure to allow the inner parts of the unit to dry thoroughly, in advance, by operating the unit in the Fan mode for half a day.

Cleaning air filter

1. Pull the air filters upward to remove them.

Remove the air filters by raising its handle while pulling it out towards you.
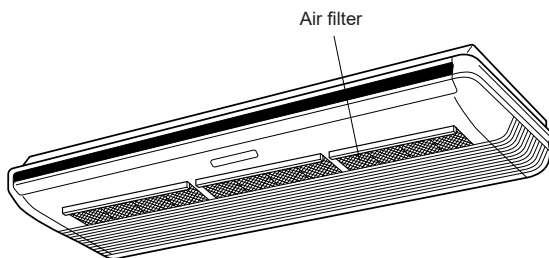
Air filter

2. Clean the air filters.

Remove the dust from the air filters by vacuuming or washing them. After washing, allow the air filters to dry thoroughly in an area protected from sunlight.

3. Re-attach the air filters to the intake grille.

The air filters fit onto the inside of the intake grille.
● Dust can be cleaned from the air filter either with a vacuum cleaner, or by washing the air filter in a solution of mild detergent and warm water. If you wash the air filter, be sure to allow it to dry thoroughly in a shady place before reinstalling.
● If dirt is allowed to accumulate on the air filter, airflow will be reduced, lowering operating efficiency and increasing noise.

Filter indicator reset (special setting)

• This function can be used if set correctly during installation.
  Please consult authorized service personnel in order to use this function.
• Clean the air filter when the indicator lamp show the following;

Economy indicator lamp	Blinks 3 times, at intervals of 21 seconds

After cleaning, reset the filter indicator by pushing the Manual Auto button on the indoor unit for 3 seconds or less.

TROUBLESHOOTING

Instructions relating to heating (*) are applicable only to Heating and Cooling model (Reverse Cycle).

⚠ **WARNING**

In following events, immediately stop operation of the air conditioner, and disconnect all the power supply by turning off the electrical breaker or disconnecting the power plug. Then consult your dealer or authorized service personnel.

As long as the unit is connected to the power supply, it is not insulated from the power supply even if the unit is turned off.

- Unit smells of something burning or emits smoke
- Water leaks from the unit

Before requesting service, perform the following checks:

	Symptom	Problem	See page
Normal function	Does not operate immediately:	● If the unit is stopped and then immediately started again, the compressor will not operate for about 3 minutes, in order to prevent fuse blowouts. ● Whenever the power supply plug is disconnected and then reconnected to a power outlet, the protection circuit will operate for about 3 minutes, preventing unit operation during that period.	—
	Noise is heard:	● During operation and immediately after stopping the unit, the sound of water flowing in the air conditioner's piping may be heard. Also, noise may be particularly noticeable for about 2 to 3 minutes after starting operation (sound of coolant flowing). ● During operation, a slight squeaking sound may be heard. This is the result of minute expansion and contraction of the front cover due to temperature changes.	—
		*● During the Heating mode operation, a sizzling sound may be heard occasionally. This sound is produced by the Automatic Defrosting operation.	15
	Smells:	● Some smell may be emitted from the indoor unit. This smell is the result of room smells (furniture, tobacco, etc.) which have been taken into the air conditioner.	—
	Mist or steam are emitted:	● During the Cooling mode or the Dry mode operation, a thin mist may be seen emitted from the indoor unit. This results from the sudden cooling of room air by the air emitted from the air conditioner, resulting in condensation and misting.	—
		*● During the Heating mode operation, the outdoor unit's fan may stop, and steam may be seen rising from the unit. This is due to the Automatic Defrosting operation.	15
	Airflow is weak or stops:	*● When the Heating mode operation is started, fan speed is temporarily very low, to allow internal parts to warm up. *● During the Heating mode operation, if the room temperature rises above the temperature setting, the outdoor unit will stop, and the indoor unit will operate at very low fan speed. If you wish to warm the room further, set the temperature to a higher setting.	—
		*● In the Heating mode, the indoor unit temporarily stops for maximum of 15 minutes to perform the Automatic Defrosting operation while the Operation indicator lamp is blinking.	15
		● The fan may operate at very low speed during the Dry mode operation or when the unit is monitoring the room's temperature.	—
		● During the Super Quiet operation, the fan will operate at very low speed.	—
		● When the Monitor operation is performed in the Auto mode, the fan rotates at very low speed.	—
	Water is produced from the outdoor unit:	*● During the Heating mode operation, water may be produced from the outdoor unit due to the Automatic Defrosting operation.	15
	The Economy indicator lamp is blinking:	● Clean the air filter. Afterwards, turn the Economy indicator lamp off.	13

TROUBLESHOOTING

	Symptom	Problem	See page
Check once more	Does not operate at all:	● Has the circuit breaker been turned off? ● Has there been a power failure? ● Has a fuse blown out, or a circuit breaker been tripped?	—
		● Is the timer operating?	8 to 9
	Poor cooling (or heating*) performance:	● Is the air filter dirty? ● Are the air conditioner's intake grille or outlet port blocked? ● Did you adjust the room temperature settings correctly? ● Is there a window or door open? ● In the case of the Cooling mode operation, is a window allowing bright sunlight to enter? (Close the curtains.) ● In the case of the Cooling mode operation, are there heating apparatus and computers inside the room, or are there too many people in the room?	—
		● Is the unit set for the Super Quiet operation?	—
	The unit operates differently from the remote controller setting:	● Are the remote controller's batteries exhausted? ● Are the remote controller's batteries loaded properly?	5

If the problem persists after performing these checks, or if you notice burning smells, or the Operation indicator lamp and the Timer indicator lamp blink, and Economy indicator lamp blinks fast. Immediately stop operation, turn off the electrical breaker and consult authorized service personnel.

OPERATING TIPS

Instructions relating to heating (*) are applicable only to Heating and Cooling model (Reverse Cycle).

Heating performance*

● This air conditioner operates on the heat-pump principle, absorbing heat from air outdoors and transferring that heat to the indoor unit. As a result, the operating performance is reduced as outdoor air temperature drops. If you feel that the heating performance is insufficient, we recommend you to use this air conditioner in conjunction with other kinds of heating appliance.

● Heat-pump air conditioners heat your entire room by recirculating air throughout the room, with the result that some time may be required after first starting the air conditioner until the room is heated.

When indoor and outdoor temperatures are high*

When both indoor and outdoor temperatures are high during use of the Heating mode, the outdoor unit's fan may stop at times.

Automatic Defrosting operation*

● When using the Heating mode under conditions of low outdoor temperature and high humidity, frost may form on the outdoor unit, resulting in reduced operating performance.

In order to prevent this kind of reduced performance, this unit is equipped with a microcomputer-controlled Automatic Defrosting operation. If frost forms, the air conditioner will temporarily stop, and the defrosting circuit will operate briefly (for about 4 to 15 minutes).

During the Automatic Defrosting operation, the Operation indicator lamp (green) will blink.

● After the Heating mode operation stops, if frost forms on the outdoor unit, the unit will start the Automatic Defrosting operation. At this time, the outdoor unit will automatically stop after operating for a few minutes.

Low ambient cooling*

When the outdoor temperature drops, the outdoor unit's fans may switch to low speed.

Hot start (for Heating mode)*

The indoor unit prevents cold drafts when the Heating mode operation begins.

The indoor unit fan will not operate or it will operate at a very low speed until the heat exchanger reaches the set temperature.

OPERATING TIPS

The wired remote controller option is required to use the following function (**).

**Dual remote controllers (optional)

An additional remote controller can be added up to the maximum of 2 remote controllers. Either remote controller can control the air conditioner. However, the timer functions cannot be used at the secondary unit.

**Group control

1 remote controller can control up to 16 air conditioners. All of the air conditioners will be operated with the same settings.

Instructions relating to heating (*) are applicable only to Heating and Cooling model (Reverse Cycle).

Auto restart

In event of power interruption

- Should the power supply to the air conditioner be interrupted by a power failure, the air conditioner will restart automatically in the previously selected mode once the power is restored.
- Should a power failure occur during the Timer operation, the timer will be reset and the unit will begin (or stop) operating under the new timer setting. In this event, the Timer indicator lamp (orange) will blink.

- Use of other electrical appliances (electric shaver, etc.) or nearby use of a wireless radio transmitter may cause the air conditioner to malfunction. In this event, temporarily disconnect the power supply plug, reconnect it, and then use the remote controller to resume operation.

Simultaneous multi air conditioner

This indoor unit can also be connected to a simultaneous multi connection that enables simultaneous operation of multiple indoor units by connecting the outdoor unit using a separation tube.

NOTES: The number of connectable indoor units and connectable type of the separation tube vary by model.

In simultaneous multi connection, all indoor units can be operated simultaneously, from one remote controller connected to the primary indoor unit.

For this unique characteristic of the simultaneous multi connection, the functions of other indoor units may be restricted.

Notices

- * During use of the Heating mode, the outdoor unit will occasionally commence the Automatic Defrosting operation for brief periods. During the Automatic Defrosting operation, if the user sets the indoor unit for the Heating mode again, the Automatic Defrosting operation will continue, and the Heating mode operation will begin after completion of defrosting, with the result that some time may be required before warm air is emitted.

- * During use of the Heating mode, the top of the indoor unit may become warm, but this is due to the fact that coolant is circulated through the indoor unit even when it is stopped; it is not a malfunction.