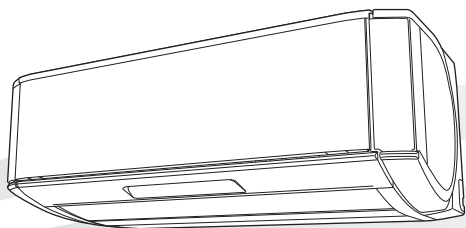


AIR CONDITIONER



OPERATING MANUAL
Wall Mounted Type

English

BEDIENUNGSANLEITUNG
Wandmontierter typ

Deutsch

MODE D'EMPLOI
Type mural

Français

MANUAL DE FUNCIONAMIENTO
Tipo montado en pared

Español

MANUALE DI ISTRUZIONI
Tipo a parete

Italiano

ΕΓΧΕΙΡΙΔΙΟ ΛΕΙΤΟΥΡΓΙΑΣ
Επιτοίχιος Τύπος

Ελληνικά

MANUAL DE FUNCIONAMENTO
Tipo Mural

Português

РУКОВОДСТВО ПО ЭКСПЛУАТАЦИИ
Настенный тип

Русский

KULLANIM KILAVUZU
Duvara Monte Tipi

Türkçe

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 СПРАВOK В БУДУЩЕМ
BU KILAVUZU İLERİDE BAŞVURMAK ÜZERE SAKLAYIN



PART No. 9319356136-02

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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 warns of death or serious injury.



This mark denotes an action that is PROHIBITED.



CAUTION

This mark warns of injury or damage to property.



This mark denotes an action that is COMPULSORY.



WARNING



- The appliance, outlet and inlet shall be installed, operated and stored in a room with a floor area larger than X m².

09 type	M (kg)	M ≤ 1.30
12 type	X (m ²)	1.61

M (kg): Amount of refrigerant charge (IEC 60335-2-40)

X (m²): Minimum room area

- 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.
- The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).



- The appliance shall be stored in a well-ventilated area.
- Be aware that refrigerants may not contain an odour.
- The appliance shall be stored so as to prevent mechanical damage from occurring.
- Disposing of the product shall be done properly, in compliance with national or regional regulations.
- 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.
- Do not install the unit in area filled with mineral oil such as a factory or area containing a large amount of splashed oil or steam such as a kitchen.
- Do not use means to accelerate the defrosting process or to clean the appliance, other than those recommended by the manufacturer.
- Do not pierce or burn.

Safety Precautions (continued)

⚠ CAUTION

- Provide occasional ventilation during use.
 - Always operate the unit 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.
 - After cleaning the air filter, dust box and plasma clean unit with water, wipe them with a soft cloth and leave them to dry in the shade.
- 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.
 - Do not stand on unstable steps when operating or cleaning this product. It may overturn and can cause injury.
 - Do not insert your finger or any slender object into the dual fan inlet or outlet.
 - Do not touch the dual fan while it is moving.
 - Do not touch or place any object on the dual fan.

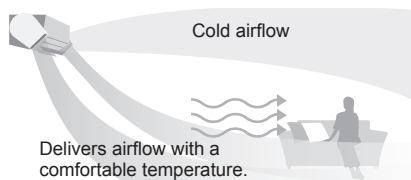
This product contains fluorinated greenhouse gases.

Features and Functions

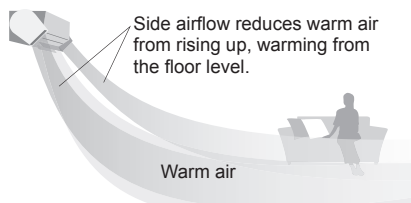
DUAL FAN COMFORT

The 2 types of airflow (cold/warm air from the main fan, and ambient temperature air from the dual fan) provide comfort throughout the room. This is recommended for those who do not like ordinary COOL/HEAT modes.

- In COOL mode



- In HEAT mode



FILTER CLEAN

Time consuming air filter cleaning is done automatically. Dust attached to the air filter is removed, preventing a drop in performance.

PLASMA AIR CLEAN

Fine particles such as pollen and house dust are collected with static electricity to make the air in the room clean.

10°C HEAT OPERATION

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

ECONOMY OPERATION

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

AUTO CHANGEOVER

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

FAN CONTROL FOR ENERGY SAVING

When the set temperature is reached during cooling operation, the fan operates intermittently and power is saved.

FINE TEMPERATURE ADJUSTMENTS

The temperature can be set in 0.5°C increments.

PROGRAM TIMER

The program timer allows you to integrate OFF timer and 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.

SLEEP TIMER

When the "SLEEP timer" button is pressed during heating mode, the air conditioner's thermostat setting is gradually lowered during the period of operation; during cooling or dry mode, the thermostat setting is gradually raised during the period of operation. When the set time is reached, the unit automatically turns off.

Preparation

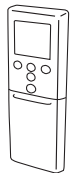
⚠ WARNING

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

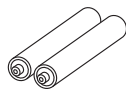
⚠ CAUTION

- ⚠ To prevent malfunction or damage of the remote controller:
 - Place remote controller at where will not be exposed to direct sunlight or excessive heat.
 - When not using the remote controller for an extended period, remove the batteries to avoid possible leakage and damage to the unit.
 - Exhausted batteries must be removed immediately, and be disposed according to the local laws and regulations of your region.
- ⚠ Obstacles such as a curtain or wall between the remote controller and the indoor unit may affect the appropriate signal transmission.
- If leaking battery fluid comes in contact with your skin, eyes, or mouth, immediately wash with copious amounts of water, and consult your physician.
- ⊘ 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.

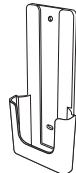
Indoor unit accessories



Remote controller



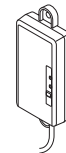
Batteries



Remote controller holder



Tapping screws (Small)

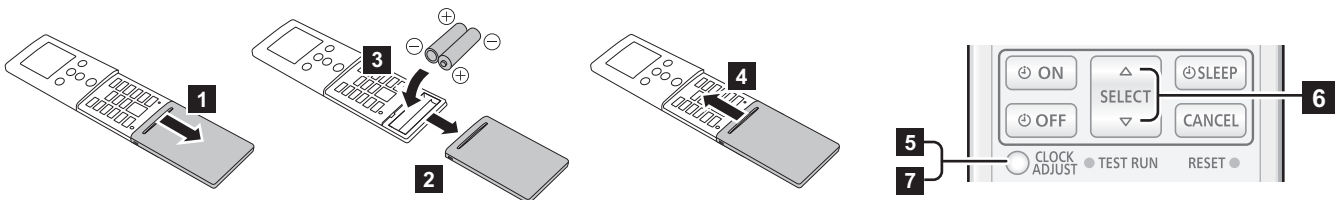


WLAN adapter



Tapping screws (Large)

Battery (R03/LR03/AAA × 2) loading and remote controller preparation

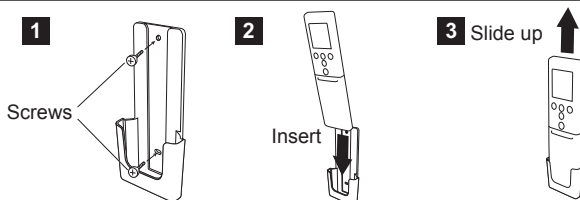


- 5 Press "CLOCK ADJUST" button to start clock setting.
- 6 Set the time by pressing "SELECT" button. Each time you press the button, the value increases or decreases 1 minute. With pressing and holding the button, the value increases or decreases 10 minutes. *By pressing the "TEMP." buttons (▲/▼), the time indicator can be changed from a 24-hour to a 12-hour clock.
- 7 Press the "CLOCK ADJUST" button again to complete the clock setting.

Notes:

- Use specified type of battery 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 "RESET" button.

Remote controller holder installation



Indoor Unit Overview and Operations

1 Intake grille

Before starting operation, make sure that the intake grille has been shut completely. Incomplete closing may have an effect on the proper function or performance of the product.

2 Dual fan

See page 7

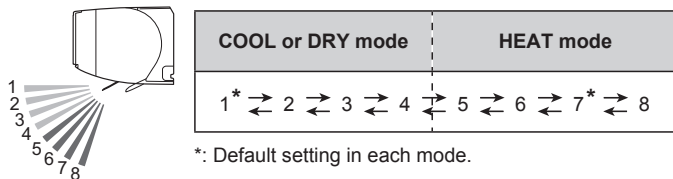
The dual fan moves to the optimum position to suit the main fan position set with the "Vertical SET" button and "Horizontal SET" button.

3 Wireless LAN control indicator and buttons

This product has a WLAN adapter as accessory. Installation work should be outsourced to the store where the unit was purchased, or a professional installer. For details, refer to the setting manual.

4 Vertical airflow direction louver

Each time you press "Vertical SET" button on the remote controller, the angle of the vertical airflow direction louver moves as follows:



- Do not adjust by hand.
- At the beginning of AUTO or HEAT mode, they may stay on position 1 for a while for adjustment.
- If the angle is set to position 5-8 for more than 30 minutes in COOL or DRY mode, the louver will automatically return to position 4.
- Keeping the position 5-8 during COOL or DRY mode may cause condensation to form, and the drops may damage your property.

5 Power diffuser

The angle of the power diffuser will move in conjunction with the movement of the vertical airflow direction louver.

6 "PLASMA AIR CLEAN" indicator (blue)

- Lights in plasma air clean operation.
- Blinks slowly when it is time to clean the plasma air clean unit.
- Blinks if the intake grille is open or if the plasma air clean unit is wet or dirty.

7 "FILTER CLEAN" indicator (yellow)

- Lights in filter clean operation.
- Blinks slowly when it is time to clean the dust box.

8 "ECONOMY" indicator (green)

Lights in economy operation and in 10 °C HEAT operation.

9 "TIMER" indicator (orange)

Lights in timer operation, and blinks slowly when the timer setting error is detected. For details, refer to "Auto-restart function" on page 9.

10 "OPERATION" indicator (green)

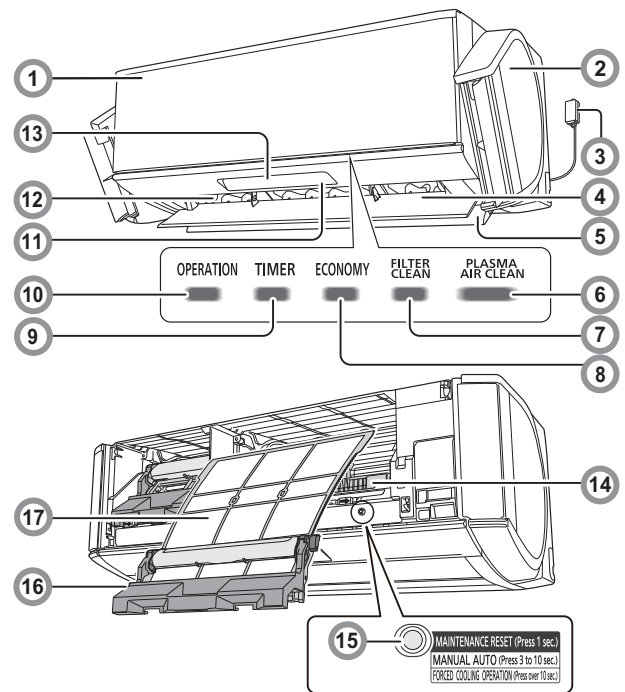
Lights in normal operation, and blinks slowly in Automatic defrosting operation.

11 Remote controller signal receiver

CAUTION

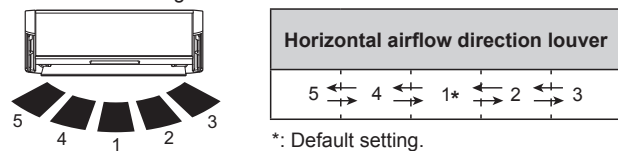
- For appropriate signal transmission between remote controller and indoor unit, keep the signal receiver away from the following items:
 - Direct sunlight or other strong lights
 - Flat-panel television screen

In rooms with instantaneous fluorescent lights, such as inverter type ones, the signal may not be transmitted properly. In such a case, consult the store of purchase.



12 Horizontal airflow direction louver

Each time you press the "Horizontal SET" button on the remote controller, the airflow direction range of the horizontal airflow direction louver will change as follows:



13 Human Sensor

See page 8

Used for Energy Saving Function. Controls temperature setting by detecting people in the room.

14 Plasma air clean unit

See page 9

Collects fine particles such as pollen and house dust (right side of indoor unit only)

15 Indoor unit button

Function	Description	Action
MAINTENANCE RESET	Use when dust box or plasma air clean unit maintenance is completed. (See page 12)	Press less than 3 seconds.
MANUAL AUTO	Use to start the air conditioner in AUTO mode when you lost the remote controller or it malfunctions.	Press more than 3 seconds and less than 10 seconds. (To start or stop.)
FORCED COOLING OPERATION	(Only for servicing: Press more than 10 seconds. To stop, press this button or "Start/Stop(O/I)" button on the remote controller.)	

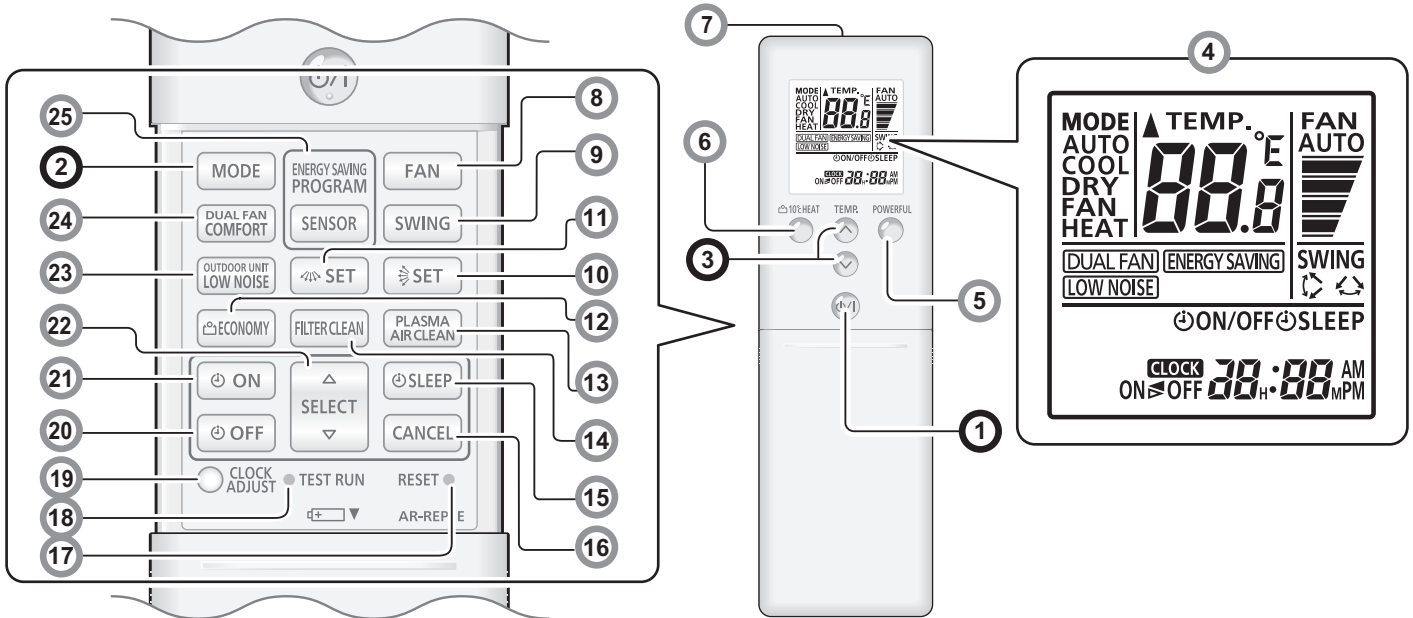
16 Dust box

See page 10

17 Air filter

See page 10

Remote Controller Overview and Operations



You can quickly start operation with the following 3 steps:

① "Start/Stop (⏻/⏻)" button

② "MODE" button *

Switches operation mode in following order.



Notes in HEAT mode:

- At the beginning of the operation, the indoor unit operates at very low fan speed for about 3–5 minutes for preparation, then switches to the selected fan speed.
- Automatic defrosting operation overrides the heating operation when necessary.

Note in COOL mode:

Indoor unit fan may stop from time to time to perform Indoor unit fan control for energy saving that enables power-saving operation by stopping the rotation of the indoor unit fan when the outdoor unit is stopped.

③ "TEMP. (temperature)" buttons *

Sets the desired temperature.

The temperature can be set in 0.5°C increments.

In COOL or DRY mode, the temperature needs to be set lower than the current room temperature. In HEAT mode, the temperature needs to be set higher than the current room temperature.

Otherwise, corresponding operation mode may not start.

Temperature setting range	
AUTO/COOL/DRY	18.0–30.0 °C
HEAT	16.0–30.0 °C

Notes: Temperature control is not available in FAN mode.

To change the temperature unit.

1. Press the "Start/Stop (⏻/⏻)" button until only the clock is displayed.
2. Press the "TEMP. (Up)" button (▲) for at least 5 seconds to display the current temperature unit. (Factory setting: °C)
3. Press the "TEMP." buttons (▲/▼) to switch the temperature unit. (°C ↔ °F)
4. With either of pressing the "Start/Stop (⏻/⏻)" button or no additional button operation for 30 seconds in step 2., the temperature unit currently selected will be set.

④ Remote controller display

In this section, all the possible indicators are displayed for description. In actual operation, the display is linked with the button operation, and only shows the necessary indicators for each setting.

⑤ "POWERFUL" button

Activates the POWERFUL operation.

The unit will operate at maximum power and strong airflow to quickly cool down or warm up the room.

When activated, the indoor unit will emit 2 short beeps.

To turn off, press the "POWERFUL" button again. The indoor unit will then emit 1 short beep.

POWERFUL operation is automatically turned off in the following situations:

- Adjusted room temperature reaches the set temperature in COOL, DRY, or HEAT mode.
- 20 minutes have passed after the POWERFUL operation mode has been set.

Even in situations above, the POWERFUL operation will not automatically turn off unless it has run for a certain amount of time.

Notes:

- The airflow direction and the fan speed are controlled automatically.
- This operation cannot be performed simultaneously with economy operation.
- POWERFUL operation will override the OUTDOOR UNIT LOW NOISE, ENERGY SAVING functions. Both functions, if set, will start after the POWERFUL operation is turned off.

⑥ "10 °C HEAT" button

Starts 10 °C HEAT operation that maintains the room temperature at 10 °C so as to prevent the room temperature to drop too low.

After pressing the button to start the 10 °C HEAT operation, the indoor unit emits 1 short beep and the "ECONOMY" indicator (green) will turn on.

To turn off, press the "Start/Stop (⏻/⏻)" button. The "ECONOMY" indicator will turn off.

Notes:

- HEAT mode will not be performed if the room temperature is warm enough.

⑦ Signal transmitter

Aim at the signal receiver of the indoor unit properly.

- Signal transmit indicator ▲ on the remote controller display shows that the signal from the remote controller is being transmitted.
- Operating range is approximately 7 m.
- You will hear a beep if the transmitted signal has been sent properly. If there is no beep, press the button on the remote controller again.

Remote Controller Overview and Operations (continued)

8 "FAN" button * |

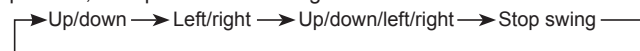
Controls the fan speed.



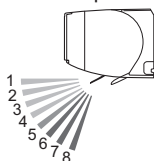
- When AUTO is selected, the fan speed is automatically adjusted according to the operation mode.

9 "SWING" button * |

Sets the automatic swing operation. Each time the "SWING" button is pressed, the operation will change.



- The Left/right swing operation will follow the direction as shown on page 4 "Horizontal airflow direction louver".
- The Up/down Swing operation range will differ by mode as follows:



COOL, DRY, or FAN mode	HEAT or FAN mode
1 ↔ 2 ↔ 3 ↔ 4 ↔ 5	5 ↔ 6 ↔ 7 ↔ 8

Notes:

- SWING operation may stop temporarily when the indoor unit fan is rotating at very low speed or is stopped.
- In FAN mode, the Up/down swing operation range of 1 ↔ 5 or 5 ↔ 8 is decided according to the airflow direction previously set before starting the swing operation.

10 "Vertical SET" button >> See page 4 |

Adjusts the vertical airflow direction.

Notes:

- At the beginning of AUTO mode, you cannot change the airflow direction.

11 "Horizontal SET" button >> See page 4 |

Adjusts the horizontal airflow direction.

Notes:

- At the beginning of AUTO mode, you cannot change the airflow direction.

12 "ECONOMY" button |

Starts or stops economy operation that saves more electricity than other operation modes by changing the set temperature to a moderate setting.

By pressing the "ECONOMY" button, the "ECONOMY" indicator on the indoor unit turns on.

- In COOL or DRY mode, the room temperature will be adjusted a few degrees higher than the set temperature.
- In HEAT mode, the room temperature will be adjusted a few degrees lower than the set temperature.

Notes:

- In COOL, HEAT, or DRY mode, the maximum output of this operation is approximately 70 % of usual air conditioning operation.
- This operation cannot be performed during temperature monitoring by AUTO mode.

13 "PLASMA AIR CLEAN" button >> See page 9 |

Activates or deactivates the plasma air clean function.

* The plasma air clean function is ON at the time of purchase.

14 "FILTER CLEAN" button >> See page 8 |

Air filter cleaning can be done immediately by operating the remote control.

15 "SLEEP timer" button >> See page 7 |

Activates the SLEEP timer that helps you to fall asleep comfortably with gradual temperature control.

16 "Timer CANCEL" button |

Cancels the set timer.

17 "RESET" button

When you press the "RESET" button, press it gently by using the tip of a ballpoint pen or other small object in correct direction as shown in this figure.



18 "TEST RUN" button * |

Only used for the initial test in the unit installation.

Do not press this button under normal use because it will cause incorrect operation.

- During the test run, the "OPERATION" indicator and the "TIMER" indicator blink simultaneously.
- To quit the test run that is started unintentionally, you need to turn off the air conditioner by pressing the "Start/Stop(⏻/⏹)" button.

19 "CLOCK ADJUST" button >> See page 3

Used for adjusting the clock.

20 "OFF timer" button >> See page 7 * |

Activates the OFF timer.

21 "ON timer" button >> See page 7 * |

Activates the ON timer.

22 "SELECT" button

Used for adjusting the clock or timer.

23 "OUTDOOR UNIT LOW NOISE" button

Starts or stops OUTDOOR UNIT LOW NOISE operation that lowers noise generated from the outdoor unit by cutting down the rotation number of the compressor, and suppressing the fan speed.

Once the operation is set, the setting is preserved until you press this button again to stop the operation, even if the indoor unit operation is stopped.

LOW NOISE on the remote controller display shows that the unit is in OUTDOOR UNIT LOW NOISE mode.

Notes:

- This operation cannot be performed simultaneously with FAN, DRY and POWERFUL operation modes.

24 "DUAL FAN COMFORT" button >> See page 7

Activates or deactivates the DUAL FAN COMFORT function.

25 "SENSOR" button (ENERGY SAVING FUNCTION) >> See page 8

Activates or deactivates the energy saving function.

* The Energy Saving function is ON at the time of purchase.

*: The setting must be done while the setting screen is displayed for each function.

|: The button is controllable only when the air conditioner is on.

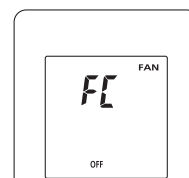
Fan control for energy saving

When the set temperature is reached during cooling operation, the fan operates intermittently and power is saved.

Fan control for energy saving function is on at the time of purchase.

To use this function, use the following steps;

1. Turn off the indoor unit by pressing the "Start/Stop(⏻/⏹)" button.
2. Press the "FAN" button for at least 5 seconds until the current Fan Control "FC" status is displayed.
3. Press the "TEMP." buttons (↕/↖) to switch between on or off.
4. Press the "Start/Stop(⏻/⏹)" button to send the setting to the indoor unit. After the status is sent, the display will automatically return to the original screen.



If no buttons are pressed within 30 seconds after the "FC" status is displayed, the system returns to the original clock display. In this case, start again from step 1.

Timer Operation

Note for timer settings:

Any interruption of the power supply, such as a blackout or cutting off of a circuit breaker, makes the set internal clock go wrong. In such a case, the "TIMER" indicator on the indoor unit blinks, and you need to readjust the setting.

ON timer or OFF timer

- 1 Turn on the indoor unit by pressing the "Start/Stop(⏻/⏹)" button. "OPERATION" indicator on the indoor unit turns on. If the indoor unit is already operating, skip this step.
- 2 Press the "ON" timer button or the "OFF" timer button. Clock indicator on the remote controller is displayed, and "TIMER" indicator on the indoor unit turns on.
- 3 Adjust the time by pressing the "SELECT" button. ▲ on the remote controller blinks and the signal is being transmitted. (About 5 seconds later, the remote controller display returns to standby screen.)

To cancel the timer and return to the normal operation, press the "Timer CANCEL" button.

To redo the timer setting, perform step 2 and 3.

Program timer (combined use of the ON timer and the OFF timer)

You can set an integrated ON-OFF or OFF-OFF timer. Either of the timer whose configured starting time is closer to the current time works first, and the order of timer operation is displayed as follows:

Timer	Indicator on remote controller display
ON-OFF timer	ON▷OFF
OFF-ON timer	ON◁OFF

The timer that is set later starts counting down after the counting down of the preceding timer is finished.

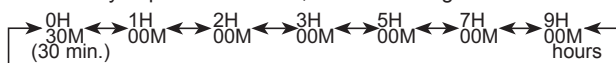
Notes:

- If you change the setting value for the timer after the program timer is set, the counting down of the timer will be reset at that moment.
- Time setting for each combination should be within a span of 24 hours.

SLEEP timer

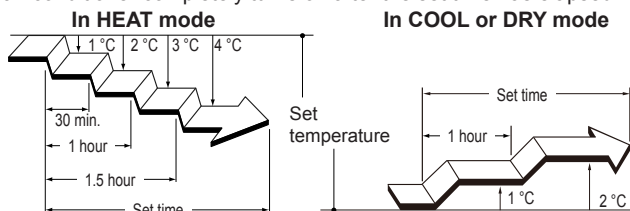
- 1 Press the "SLEEP timer" button to activate the SLEEP timer. "OPERATION" indicator and "TIMER" indicator on the indoor unit turns on.
- 2 Adjust the time by pressing the "SELECT" button. ▲ on the remote controller blinks and the signal is being transmitted. (About 5 seconds later, the remote controller display returns to standby screen.)

Each time you press the button, the time changes as follows:



To repeat the timer, press the "SLEEP timer" button when ⓄSLEEP indicator is not displayed on the remote controller display.

To help you to fall asleep comfortably and prevent excessive warming or cooling in sleep, the SLEEP timer controls the temperature setting automatically in accordance with the set time shown as follows. The air conditioner completely turns off after the set time has elapsed.



Dual Fan Comfort

* Dual fan is OFF at the time of purchase.

- 1 To activate the dual fan comfort, press the "DUAL FAN COMFORT" button. **[DUAL FAN]** will be flashing on the remote controller display.
- 2 To deactivate the dual fan comfort, press the "DUAL FAN COMFORT" button again. **[DUAL FAN]** will no longer be shown on the remote controller display.

Notes:

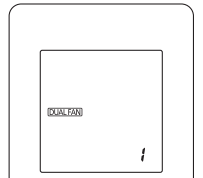
- Dual fan operates with recommended settings.
- Operation only with dual fan is not possible.
- In HEAT mode, there is no dual fan airflow with the following.
 - When the room temperature is lower than the set temperature
 - When the temperature of HEAT airflow is low
 - During automatic defrosting operation
- There is more airflow when dual fan is ON compared to when it is OFF, so the operating noise is also louder.

<Additional setting>

Dual fan settings might not match your preferred settings when in COOL mode, DRY mode or FAN mode.

In this case, use the remote control to change the dual fan airflow direction so the airflows further.

- 1 Turn off the indoor unit by pressing the "Start/Stop(⏻/⏹)" button.
- 2 Press the "DUAL FAN COMFORT" button for at least 5 seconds until the current "DUAL FAN" status is displayed.
- 3 Press the "TEMP." buttons (▲/▼) to switch the setting. "1"(Standard) ↔ "2"(Far)
- 4 Press the "Start/Stop(⏻/⏹)" button to send the setting to the indoor unit. After the status is sent, the display will automatically return to the original screen.



If no buttons are pressed within 30 seconds after the "DUAL FAN" status is displayed, the system returns to the original clock display. In this case, start again from step 1.

If this still does not match your preferences, consult authorized service personnel. (Dual fan settings can be adjusted more precisely.)

Human Sensor (Energy Saving)

To prevent waste of electricity, this function controls the temperature setting when no one is occupying the room. Energy Saving function is on at the time of purchase.

- To activate the Energy Saving function, press the "SENSOR" button.
ENERGY SAVING will be flashing on the remote controller display.
- To deactivate the Energy Saving function, press the "SENSOR" button again.
ENERGY SAVING will no longer be shown on the remote controller display.

About the ENERGY SAVING Function

If no one enters the room for approximately 20 minutes, the set temperature will be automatically controlled.
(When someone comes back into the room, the human sensor will detect this, and automatically revert to the original settings.)

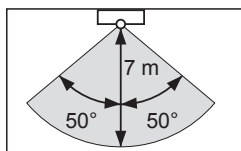
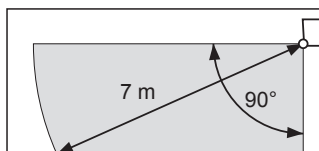
Operation mode	Operating details (if there is no one in the room for a while)
COOL/DRY	The set temperature will be increased by a maximum of approximately 2°C.
HEAT	The set temperature will be decreased by a maximum of approximately 4°C.
AUTO	This runs the ENERGY SAVING function automatically for the selected mode (Cooling/ Heating).

- When using together with the SLEEP timer (page 7), the SLEEP timer will be prioritized.
- During 10°C HEAT operation, if there is no one in the room the set temperature will not be changed.

- Application range is as follows.

Vertical angle 90° (Side view)

Horizontal angle* 100° (Top view)



Energy Saving function may not work when the room temperature is very different from the temperature defined in temperature setting, such as when immediately after starting the operation.

* The horizontal angle can be changed according to the installation position. For more information, refer to installation manual.

About the HUMAN SENSOR

- Details about detection with the human sensor
 - The human sensor detects whether there are people in the room by looking for movement by people in the room.

Notice

- Since the human sensor detects infrared light given out by people, there may be cases where this detection is incorrect.

Situations in which the sensor will detect no people in the room, even when there is someone there

- When the temperature is high and the difference with between people's body temperature is small. (Such as during the summer when the temperature is 30°C or higher.)
- When there is someone in the room, but they do not move for a long period of time.
- When someone is hidden behind a sofa, other furniture, glass, or in similar situations.
- When someone is wearing extremely thick clothing and has their back facing the sensor.

Situations in which the sensor will incorrectly detect people in the room, even when there is no one there

- When there is a dog or a cat moving around in the room.
- When the wind is making curtains or plants move.
- When there are heating units, humidifiers, or electric appliances such as oscillating electric fans operating.

Filter Clean

OPERATION TIMER ECONOMY **FILTER CLEAN** PLASMA AIR CLEAN

When the air conditioner operation time reaches a total of 40 hours, the air filter is automatically cleaned while the operation is paused. Accumulated dust is automatically cleaned and collected in the dust box.

Notice

- The filter cleaning time is approximately 13 minutes. The indoor unit "FILTER CLEAN" indicator lights up during filter cleaning.
- If the air conditioner is used continuously without stopping, operation is always stopped temporarily after 64 hours have elapsed for one filter cleaning operation. (Operation restarts after filter cleaning is complete.)
- If the "FILTER CLEAN" indicator blinks slowly, this indicates that it is time to clean the dust box. (After approximately 10,000 hours of air conditioner operation have elapsed.) Filter cleaning is not carried out at this time. Please clean the dust box.
- Filter cleaning does not work when the indoor unit is paused with the SLEEP timer. If the indoor unit is paused every time with the SLEEP timer, while it depends on the amount of dust, it is recommended to carry out filter cleaning with the remote control approximately once a week.
- The filter clean function can be disabled. Consult authorized service personnel to disable filter clean function.
 - If the filter clean has been disabled, perform a filter clean regularly using the remote controller.

CAUTION



Please do not touch the dust box or air filter during filter cleaning. Removing the dust box / air filter or pulling or pushing up the air filter with your hand may damage the indoor unit.

To clean the filter immediately

- Press the "FILTER CLEAN" button while the air conditioner is not operating.
The indoor unit "FILTER CLEAN" indicator lights up.
- To stop filter cleaning, press the "FILTER CLEAN" button.
The indoor unit "FILTER CLEAN" indicator switches off.

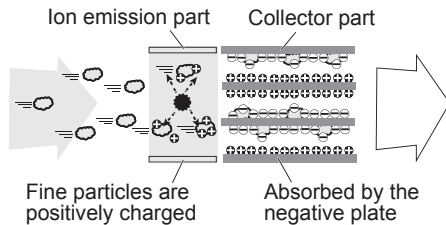
Notes:

- Do not disconnect the power supply or turn off the breaker during filter cleaning until the "FILTER CLEAN" indicator switches off. Doing so may damage the indoor unit.
- Depending on how dirty the air filter is, dust may not be completely removed with one filter cleaning. In this case, please activate filter cleaning again with the remote control.
- In order to prevent damage to the device, filter cleaning may not operate if it is activated repeatedly with the remote control. Please wait approximately 30 minutes before activating filter cleaning.
- The filter may not be able to remove dust, or may not operate correctly depending on the type of dust, such as dust with a large amount of cigarette tar or oil, or if the dust has hardened. In this case, please clean the dust box and air filter.
- Dust may accumulate inside if the indoor unit is used in an environment with very fine dust or a large amount of oil. It is recommended to carry out inspection maintenance in addition to regular cleaning.
- If filter cleaning is stopped during operation, it will not stop immediately since it will only stop after the air filter has returned to its original position.
- The operation time that needs to be reached for automatically cleaning the air filter can be changed, and the "FILTER CLEAN" indicator can be set so that it does not turn on. For more information, consult authorized service personnel.

Plasma Air Clean

OPERATION TIMER ECONOMY FILTER CLEAN PLASMA AIR CLEAN

The plasma air clean unit collects fine particles such as pollen and house dust with static electricity to make the air in the room clean.



* Removal of fine particles of less than $0.3\mu\text{m}$ cannot be confirmed. Additionally, not all harmful substances in the air are removed.

- 1 To activate the plasma air clean function, press the "PLASMA AIR CLEAN" button.
The indoor unit "PLASMA AIR CLEAN" indicator lights up.
- 2 To deactivate the plasma air clean function, press the "PLASMA AIR CLEAN" button again.
The indoor unit "PLASMA AIR CLEAN" indicator switches off.

Notes:

- Be sure to operate plasma air clean with the air filter attached. Failing to do so may damage the indoor unit.
- Plasma air clean operates during operation. During plasma air clean operation, the "PLASMA AIR CLEAN" indicator lights up.
- If the indoor unit "PLASMA AIR CLEAN" indicator blinks slowly, this indicates that it is time to clean the plasma air clean unit.
- If the indoor unit "PLASMA AIR CLEAN" indicator blinks, this indicates the plasma air clean unit is wet or dirty. In this case, clean the plasma air clean unit and dry it completely.
- Although the washing frequency differs depending on the usage environment, it is recommended to wash the plasma air clean unit once a year.
- For safety reasons, plasma air clean does not work if the intake grille is open during operation. In this case, the "PLASMA AIR CLEAN" indicator may blink.
- During plasma air clean operation there may be a slight smell similar to swimming pool disinfectant. If the smell disturbs you, set plasma air clean to "OFF" and ventilate the room.
- Plasma air clean operation is most effective when the fan speed is set to HIGH.
- The "PLASMA AIR CLEAN" indicator can be set so that it does not turn on. For more information, consult authorized service personnel.

General Information on Operation

Automatic defrosting operation

When outdoor temperature is very low with high humidity, frost may form on the outdoor unit during the heating operation, and it could reduce the operating performance of the product. For frost protection, a microcomputer-controlled automatic defrost function is equipped in this air conditioner. If frost forms, the air conditioner will temporarily stop, and defrost circuit will operate briefly (maximum of 15 minutes.) "OPERATION" indicator on the indoor unit blinks during this operation. If frost forms on the outdoor unit after the heating operation, the outdoor unit will stop automatically after it operates for a few minutes. Then the automatic defrosting operation starts.

Auto-restart function

In event of power interruption such as a blackout, the air conditioner stops once. But it restarts automatically and performs previous operation when the power supply is resumed.

If any power interruption occurs after the timer is set, counting down of the timer will be reset.

After the power supply is resumed, the "TIMER" indicator on the indoor unit blinks to notify you that there has been a timer fault. In such a case, reset the timer for your opportune time.

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.

Malfunctions caused by other electrical devices:

Use of other electrical appliances such as an electric shaver or nearby use of a wireless radio transmitter may cause the malfunction of the air conditioner.

If you encounter such a malfunction, turn off the circuit breaker once. Then turn it on again, and resume operation by using the remote controller.

Wireless LAN control

You can operate the air conditioner indoor unit with a smartphone or tablet by connecting it with a WLAN adapter. For detailed instructions, please refer to the setting manual.

Cleaning and Care

CAUTION

- ⚠ Before cleaning this product, be sure to turn it off and disconnect all the power supply.
- ⚠ Before starting operation, make sure that the intake grille has been shut completely. Incomplete closing of the intake grille might have an effect on the proper working or performance of the air conditioner.
- ⊘ Do not touch the aluminum fins of heat exchanger built-in the indoor unit to avoid personal injury when you maintain the unit.
- ⊘ Do not expose the indoor unit to liquid insecticides or hair sprays.
- ⊘ Do not stand on slippery, uneven or unstable surfaces when you maintain the unit.
- ⊘ Please be sure to properly mount the dust box, air filter and plasma air clean unit after cleaning etc.

Daily care

When cleaning the indoor unit body or other parts of the air conditioner, mind the following:

- Do not use water hotter than 40 °C.
- Do not use scouring cleanser, volatile solvents such as benzene or thinner.
- Wipe the unit gently by using a soft cloth.
- Do not brush with excessive force when cleaning with a brush etc.
- If the soiling cannot be removed, please wash in lukewarm water with kitchen use synthetic detergent (neutral).
- Do not use anything other than kitchen use synthetic detergent (neutral).
- Dry thoroughly after washing with cold water or lukewarm water.
- Do not dry with hot air such as from a hair dryer.

After extended non-use of the unit

If you have shut down the indoor unit for 1 month or more, perform the FAN operation for half a day to dry the internal parts thoroughly before you perform normal operation.

Additional inspection

After long period of use, accumulated dust inside the indoor unit may reduce the product performance even if you have maintained the unit with instructed daily care or cleaning procedures written in this manual. In such a case, a product inspection is recommended.

For more information, consult authorized service personnel.

Guide to cleaning period

Dust box

If the "FILTER CLEAN" indicator blinks slowly, this indicates that it is time to clean the dust box. In this case, please be sure to clean it.

Notes:

- The amount of dust that accumulates depends on the environmental and usage conditions.
- If the dust box is cleaned regularly before the "FILTER CLEAN" indicator blinks, the "FILTER CLEAN" indicator may turn on immediately after cleaning it.
- The "FILTER CLEAN" indicator can be set so that it does not turn on. For more information, consult authorized service personnel.

Plasma air clean unit

If the "PLASMA AIR CLEAN" indicator blinks slowly, this indicates that it is time to clean it. In this case, please be sure to clean it.

Air filter

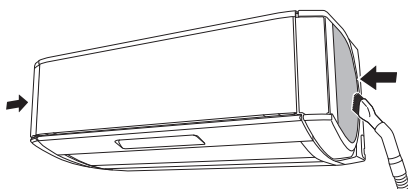
Normally, cleaning is not required. Please clean it if you are concerned about dust or oil soiling etc.

Indoor unit, vertical airflow direction louver, power diffuser, dual fan

Please clean them if you are concerned about soiling. (Refer to "Daily care" previously mentioned.)

[If the dual fan is extremely dirty]

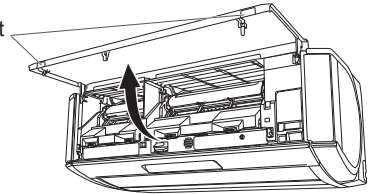
- If oil soiling or other dirt on the dual fan inlet cannot be removed, use a vacuum cleaner to remove dust.
- Do not move the dual fan by hand when cleaning it. It may cause malfunction of the dual fan.



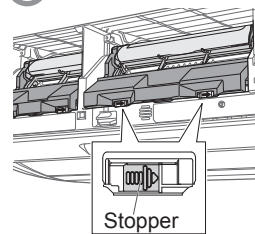
Removing the dust box and air filter

- 1 Open the intake grille.

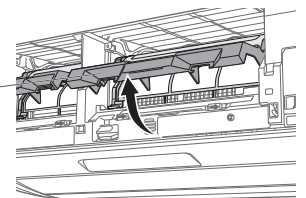
Touch the indent and open.



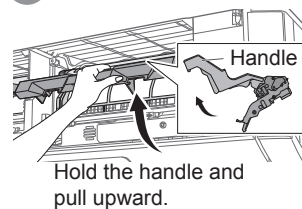
- 2 Slide the stopper to the right.



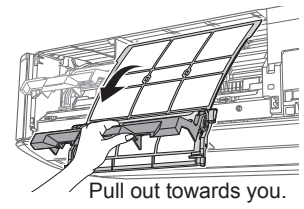
The handle opens.



- 3 Pull out the dust box and air filter.



Hold the handle and pull upward.



Notes:

- If you disconnect the power supply during filter cleaning, it may become difficult to pull out the dust box and air filter. Please pull out the dust box and air filter again, after following the procedure below.
- (1) Connect the power supply and press and hold the indoor unit button less than 3 seconds. (After the "beeping sound", the air filter moves.)
 - (2) Wait for approximately 2 minutes then disconnect the power supply after confirming that the air filter has stopped.

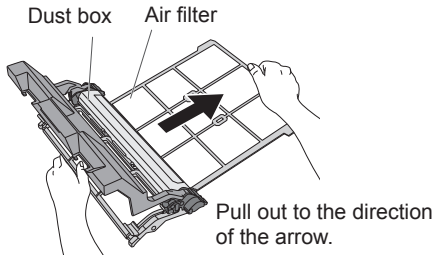
Cleaning and Care (continued)

Cleaning the dust box

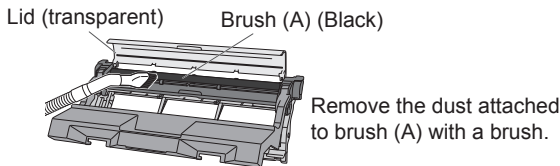
Notes:

- Do not use excessive force when opening the dust box or lid (transparent).
- Do not pull out the air filter with excessive force or bend it.

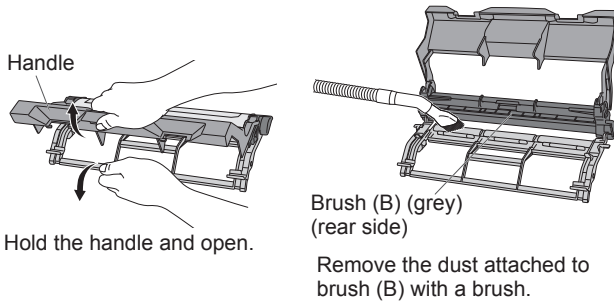
1 Remove the air filter from the dust box.



2 Open the lid and remove the dust inside with a vacuum cleaner or brush.



3 Open the dust box and remove the dust attached inside with a vacuum cleaner or brush.



Notes:

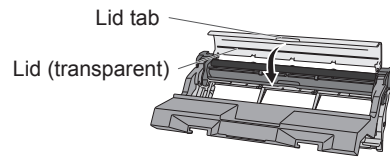
- Do not open or shake the dust box vigorously. Doing so may cause the box to fall apart or cause breakage or injury.

[If the dust box or air filter are heavily soiled]

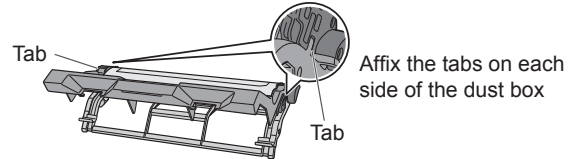
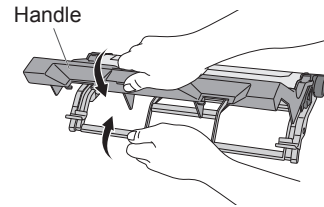
- **Dust box**
Wash with water, then wipe with a soft cloth and dry thoroughly in the shade.
- **Air filter**
Remove dust with a vacuum cleaner or wash with water, then wipe with a soft cloth and dry thoroughly in the shade.

Attaching the dust box and air filter

1 Close the dust box lid and fix the tab.



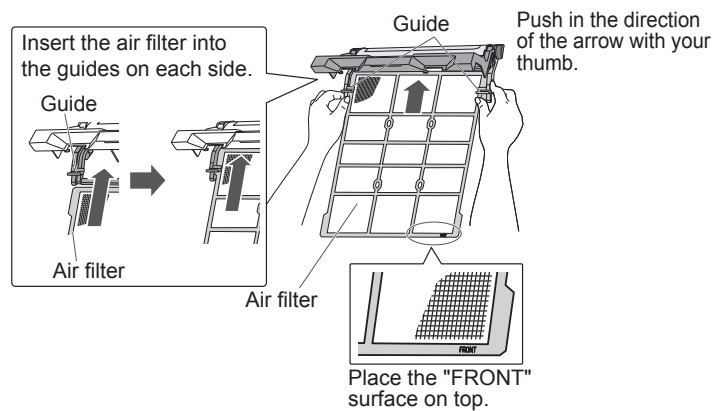
2 Hold the handle and close the dust box.



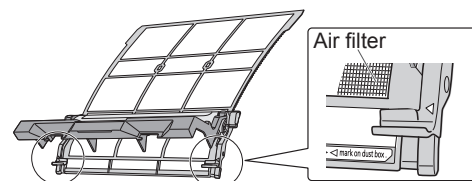
Notes:

- Please take care not to catch your hand when closing the dust box. Doing so may cause injury or damage.

3 Insert the air filter in the guides on either side of the dust box.

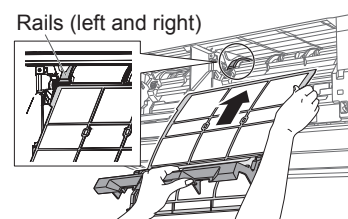


4 Align the lower edge of the air filter with the horizontal marks on the dust box.



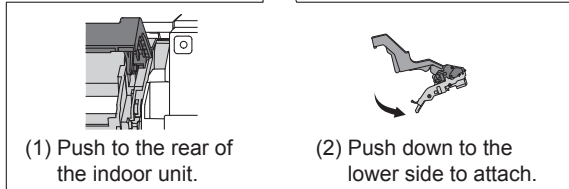
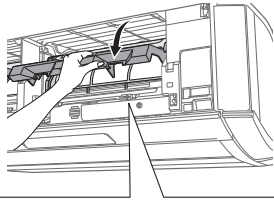
* If the air filter is not set horizontally it may cause damage.

5 Insert the air filter along the indoor unit rails.

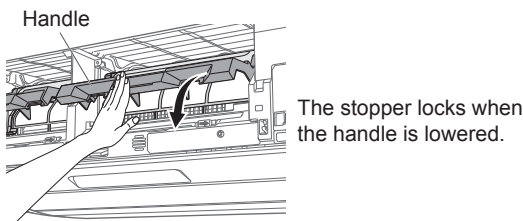


Cleaning and Care (continued)

- 6 Push the dust box to the rear and attach it, downwards to the lower side.



- 7 Close the handle.



After attaching the dust box, hold the center part of the dust box and pull it toward you to confirm that it does not come out.

- 8 Connect the power supply and press and hold the indoor unit button less than 3 seconds.

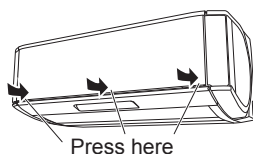


The "FILTER CLEAN" indicator switches off, and the accumulated operation time that acts as a guide for cleaning timing is reset. The air filter moves to the preset position.

Notes:

- Be sure to press the indoor unit button to turn off the "FILTER CLEAN" indicator, or the filter cleaning will not operate.
- Confirm that the dust box and air filter is attached correctly before pressing the indoor unit button.

- 9 Press and close the intake grille.



Notes:

- Do not operate the indoor unit with the intake grille open. Doing so may damage the indoor unit. Close the intake grille firmly since failing to do so may cause filter cleaning to operate incorrectly.
- The air conditioner will not operate if the filter has not been installed correctly. (The indicator will blink).



"OPERATION" : 5 times
"TIMER" : 5 times
"ECONOMY" : Blinking fast

After cleaning the filter, install it correctly and check that the air conditioner operates.

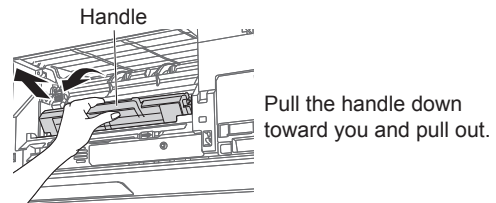
Cleaning the plasma air clean unit

Notes:

- Do not wash the inside of the plasma air clean unit by inserting a brush etc. Doing so may damage it, such as breaking or disconnecting the thin wires in the inside.
- Do not expose to direct sunlight.

- 1 Remove the dust box and air filter. (Refer to "Removing the dust box and air filter".)

- 2 Pull out the plasma air clean unit.



CAUTION

- Do not touch the wires on the inside of the plasma air clean unit or insert a rod etc. Doing so may result in electric shock or damage.

- 3 Place in lukewarm water.

- Leave for 10 to 15 minutes.
- If the soiling is heavy, place in hot water with weakened kitchen use synthetic detergent (neutral).

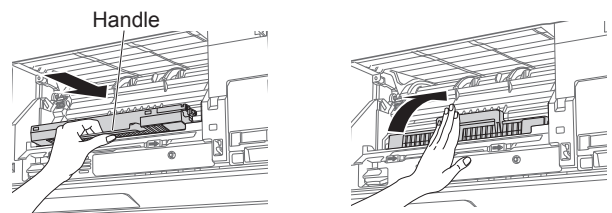
- 4 Shake vertically and horizontally or wipe the surface with a sponge.

- 5 Rinse in flowing water.

- 6 Shake the plasma air clean unit to remove water and dry it thoroughly in the shade.

Confirm that the plasma air clean unit is completely dry before attaching it. Attaching it while it is still wet may damage the indoor unit.

- 7 Push the plasma air clean unit to the rear of the indoor unit and raise the handle in the direction of the arrow.



- 8 Attach the dust box and air filter. (Refer to "Attaching the dust box and air filter".)

- 9 Connect the power supply and press and hold the indoor unit button less than 3 seconds.



The "PLASMA AIR CLEAN" indicator switches off, and the accumulated operation time that acts as a guide for cleaning timing is reset.

Notes:





- Be sure to press the indoor unit button to turn off the "PLASMA AIR CLEAN" indicator, or the plasma air clean will not operate.
- Confirm that the dust box and air filter is attached correctly before pressing the indoor unit button.
- After cleaning the plasma air clean unit, if the "PLASMA AIR CLEAN" indicator blinks, please confirm that the intake grille is properly closed. If the "PLASMA AIR CLEAN" indicator blinks even though the intake grille is properly closed, the plasma air clean unit may be broken. In this case, the plasma air clean unit may need replacement, so please consult with your dealer or authorized service personnel.

Troubleshooting

⚠ WARNING

- !** In the 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

Following symptoms do not indicate product malfunction, but they are normal functions or characteristics of this product.

Symptom	Cause	See page
The "FILTER CLEAN" indicator (yellow) blinks slowly. 	This indicates that it is time to clean the dust box. In this case, please clean the dust box.	10
The "PLASMA AIR CLEAN" indicator (blue) blinks slowly. 	This indicates that it is time to clean the plasma air clean unit. In this case, please clean the plasma air clean unit.	12
The "PLASMA AIR CLEAN" indicator (blue) blinks. 	<ul style="list-style-type: none"> • The plasma air clean unit is wet or dirty. In this case, press the "Start/Stop(⏻/⏻)" button to stop operation, and then clean the plasma air clean unit and dry it completely. • The intake grille is opened. In this case, press the "Start/Stop(⏻/⏻)" button, and then confirm that the intake grille is properly closed. 	12
The "OPERATION" indicator and the "TIMER" indicator blink 5 times while the "ECONOMY" indicator is blinking fast. 	This indicates that the dust box or air filter are not properly attached. In this case, please confirm whether the dust box and air filter are properly attached.	11
Operation is delayed after restart.	To prevent blowout of the fuse, the compressor will not operate while the protection circuit is working for about 3 minutes after sudden OFF→ON operation of the power supply.	—
Noise is heard.	<ul style="list-style-type: none"> • During operation or immediately after stopping the air conditioner, refrigerant flowing sound may be heard. Also it may be particularly noticeable for 2–3 minutes after starting operation. • During the operation, a slight squeaking sound produced by the minute expansion and contraction of the front panel caused by temperature change may be heard. 	—
	During heating operation, a sizzling sound produced by the automatic defrosting operation may be heard.	9
	When the filter cleaning function operates, a clicking noise, or other noises be heard from the indoor unit. At this time, the indoor unit "FILTER CLEAN" indicator lights up.	—
	If the dust box or air filter are not properly attached, a large, continuous clicking noise will be heard. Disconnect the power supply or turn off the breaker, remove the dust box and air filter on both sides and attach the dust box and air filter properly.	10
	If the plasma air clean unit is dirty, some noises may heard. Please clean the plasma air clean unit.	12
Smell coming from the unit.	Various smells generated from interior textile, furniture, or cigarette smoke absorbed into the air conditioner may be emitted.	—
	During plasma air clean operation there may be a slight smell similar to swimming pool disinfectant. If the smell disturbs you, set plasma air clean to "OFF" and ventilate the room.	6
Mist or steam is emitted from the unit.	In COOL or DRY mode, a thin mist generated by condensation formed with sudden cooling process may be emitted.	—
	During heating operation, the fan built-in the outdoor unit may stop and rising steam generated by the automatic defrosting operation may be seen.	9
Airflow is weak or stops.	<ul style="list-style-type: none"> • Immediately after the heating operation is started, the fan speed stays very low temporarily to warm up the internal parts of the unit. • In HEAT mode, the outdoor unit stops and the indoor unit operates at very low fan speed if the room temperature rises above the set temperature. 	—
	In HEAT mode, the indoor unit temporarily stops for maximum of 15 minutes to perform the automatic defrosting operation while the "OPERATION" indicator is flashing.	9
	In DRY mode, the indoor unit operates at low fan speed to adjust the room humidity, and may stop from time to time.	—
	When the fan speed is set to "QUIET", the fan rotates at very low speed and the airflow is reduced.	—
	In COOL mode, the indoor unit fan may stop from time to time when the outdoor unit is stopped.	6
	When monitoring operation is performed in AUTO mode, the fan rotates at very low speed.	—
Outdoor unit emits water.	During heating operation, the outdoor unit may emit water generated by the automatic defrosting operation.	9
Does not operate immediately.	When operating filter cleaning, operation starts after filter cleaning is completed. At this time, the indoor unit "FILTER CLEAN" indicator lights up. Please wait approximately 13 minutes.	—

Troubleshooting (continued)

Symptom	Cause	See page
Filter cleaning does not operate even though it is activated.	<ul style="list-style-type: none"> Filter cleaning may not operate even though it is activated repeatedly. This is to prevent damage to the air conditioner. Filter cleaning is not carried out while the air conditioner is operating. Please activate it after stopping operation. 	–
Cannot remove dust from the air filter using filter clean.	<ul style="list-style-type: none"> The dust box or air filter may not be properly attached. Please confirm whether the dust box and air filter are properly attached. The dust box may be full of dust. Please clean the dust box. The filter may not be able to remove dust depending on the type of dust, such as dust with a large amount of cigarette tar or oil, or if the dust has hardened. In this case, please manually clean the dust box and air filter. 	10
The ceiling or wall near the indoor unit or dual fan are dirty.	Particles and dust in the air have attached to the wall etc. due to the air circulation of the air conditioner and static electricity. Some wallpapers become dirty more easily.	–

Before you call for or request servicing, troubleshoot a problem by performing following checks:

Symptom	Diagnostic	See page
Does not operate at all.	<input type="checkbox"/> Has the circuit breaker been turned off? <input type="checkbox"/> Has there been a power outage? <input type="checkbox"/> Has a fuse blown out or the circuit breaker been tripped?	–
	<input type="checkbox"/> Is the timer operating?	7
Poor cooling or heating performance.	<input type="checkbox"/> Is the air filter dirty?	10
	<input type="checkbox"/> Is the intake grill or outlet port of indoor unit blocked?	–
	<input type="checkbox"/> Is the room temperature adjusted appropriately?	5
	<input type="checkbox"/> Is a window or door left opened? <input type="checkbox"/> Is direct or strong sunlight shining into the room in cooling operation? <input type="checkbox"/> Are there other heating apparatus or computers operating, or too many people in the room in cooling operation?	–
	<input type="checkbox"/> Is the fan speed set to "QUIET"? When the fan speed setting is set to "QUIET", noise reduction is prioritized and the air-conditioning performance may become lower. If the volume of provided airflow is not agreeable to your preference, set the fan speed to "LOW" or higher fan speed.	6
	<input type="checkbox"/> Has the OUTDOOR UNIT LOW NOISE mode been set?	6
Dual fan airflow is weak.	<input type="checkbox"/> Is the dual fan dirty?	10
The unit operates differently from the remote controller setting.	<input type="checkbox"/> Are the batteries used in the remote controller exhausted? <input type="checkbox"/> Are the batteries used in the remote controller loaded properly?	3

Immediately stop operation and turn off the electrical breaker in following cases. Then consult authorized service personnel.

- The problem persists even if you perform these checks or diagnostics.
- The "OPERATION" indicator and "TIMER" indicator blink while the "ECONOMY" indicator is blinking fast. (Excludes when the "OPERATION" indicator and the "TIMER" indicator blink 5 times while the "ECONOMY" indicator is blinking fast. In this case, please confirm whether the dust box and air filter are properly attached.)

Notes:

- For any troubleshooting related to the wireless LAN control, refer to the setting manual for WLAN adapter.