# FUJITSU

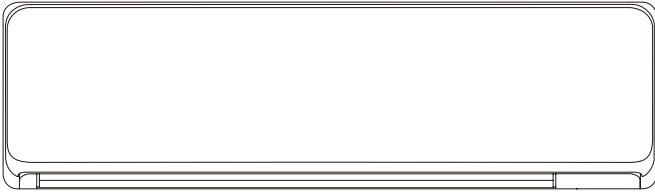## *Halcyon*
THE POWER TO CALM THE WIND™

# OPERATION MANUAL

OPERATION MANUAL
AIR CONDITIONER (Wall Mounted type)
Before using this product, read these instructions thoroughly
and keep this manual for future reference.

MODE D'EMPLOI
CLIMATISEUR (Type à montage mural)
Avant d'utiliser ce produit, veuillez lire attentivement ces
instructions. Conservez ce manuel pour référence future.

MANUAL DE FUNCIONAMIENTO
ACONDICIONADOR DE AIRE (Tipo montado en pared)
Antes de utilizar el producto, lea estas instrucciones detenida-
mente y conserve este manual para consultarlo en el futuro.

## MODEL:

* Write down the model name.
  (Refer to the rating label.)

* Notez le nom du modèle.
  (Consultez l'étiquette des spécifications.)

* Escriba el nombre del modelo.
  (Consulte la etiqueta de calificación).

PART No. 9387602210

[Original instructions]

# Contents

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## 1. 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.** |

| ⚠ CAUTION |
|---|
| **This mark warns of injury or damage to property.** |

🚫 This mark denotes an action that is PROHIBITED.

❗ This mark denotes an action that is COMPULSORY.

| ⚠ 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 be replaced only by authorized service personnel in order to avoid a hazard.
- If a refrigerant leakage is suspected, all naked flames shall be removed or extinguished, 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 product 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 this product by a person responsible for their safety. Children should be supervised to ensure that they do not play with this product.
- Dispose of the packing materials safely. Tear and dispose of the plastic packing bags so that children cannot play with them. There is danger of suffocation if children play with the original plastic bags.

🚫 • 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 or inlet port.
- 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 40 in (1 m) away from this product.
- Disconnect all the power supply when 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.
- Keep the surroundings of the outdoor unit clean and tidy, and do not place items around it. Any objects blocking or entering from the outlet ports may cause product malfunction.

## ⚠ CAUTION

🚫
- 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.

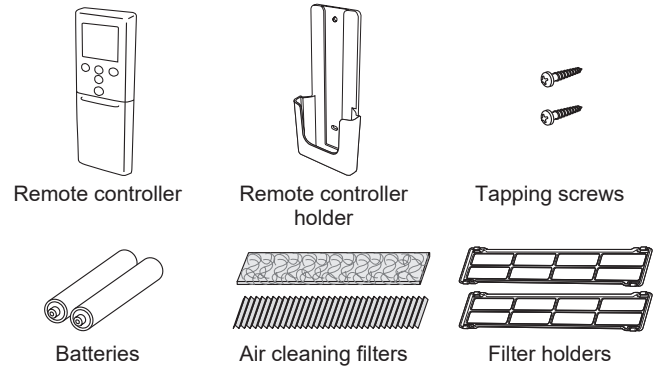This product contains fluorinated greenhouse gases.

## 2. PREPARATION

### ⚠ WARNING

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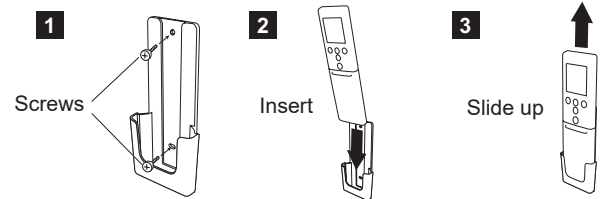
### ⚠ CAUTION

❗
- If leaking battery fluid comes in contact with your skin, eyes, or mouth, immediately rinse with plenty of clean water, and consult your physician.
- Exhausted batteries must be removed immediately, and be disposed according to the local laws and regulations of your region.

🚫
- Do not attempt to recharge dry batteries.
- Do not use dry batteries that has been recharged.
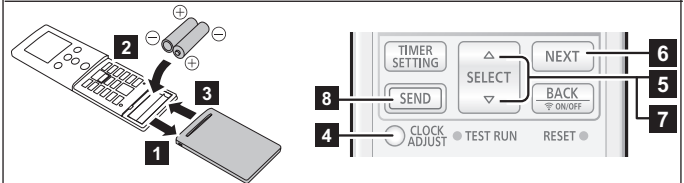
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### Indoor unit accessories

Check that the following accessories are included.



Remote controller    Remote controller holder    Tapping screws

Batteries    Air cleaning filters    Filter holders

### Remote controller holder installation



1 Screws    2 Insert    3 Slide up

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



**1~3.** Put batteries as shown in the figure above.

**4.** Press ○CLOCK ADJUST to start clock setting.

**5.** Press SELECT (△▽) to set day of the week (Monday to Sunday).

     * By pressing TEMP. (⊙⊙), the time indicator can be changed from a 12-hour to a 24-hour clock.

**6.** Press NEXT to continue.

**7.** Press SELECT (△▽) to set the clock.
Press the buttons to change the clock by a minute.
Press and hold the buttons to change the clock by 10 minutes.

**8.** Press SEND to complete the setting.
Be close to the indoor unit. If you press the button from a distance, settings may not be properly sent.

**NOTES:**
- 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 RESET○ as shown in page 4.
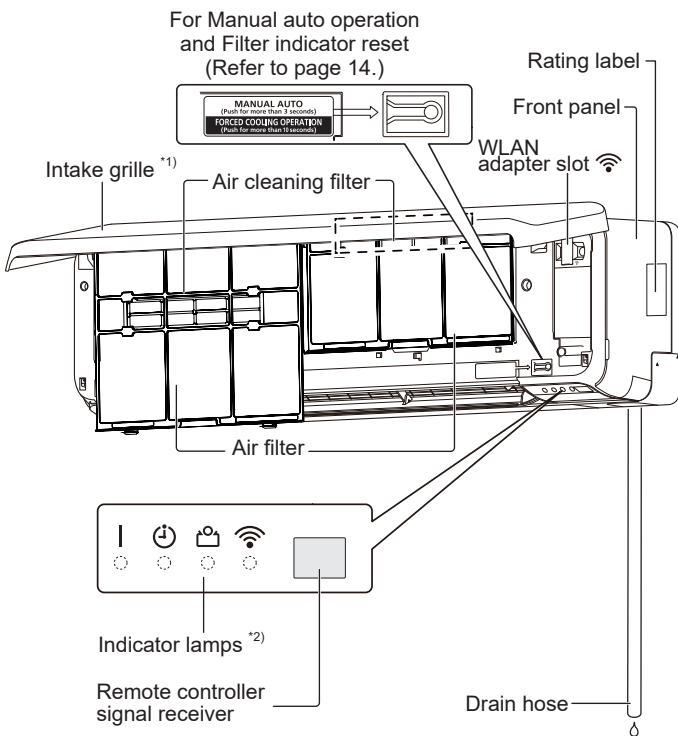
# 3. NAME OF PARTS

> ⚠️ **CAUTION**
>
> ❗ For appropriate signal transmission between the remote controller and the 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.

## 3.1. Indoor unit

📶 : The instruction is relating to the wireless LAN control (optional).

For Manual auto operation and Filter indicator reset
(Refer to page 14.)

MANUAL AUTO
(Push for more than 3 seconds)
FORCED COOLING OPERATION
(Push for more than 10 seconds)

Rating label

Front panel

WLAN adapter slot 📶

Intake grille *1)

Air cleaning filter

Air filter

Indicator lamps *2)

Remote controller signal receiver

Drain hose

*1) Before starting operation, make sure that the intake grille is closed completely. Incomplete closing may affect the proper function or performance of the product.

*2) Indicator lamps light in the following conditions.

| | Name | Color | Operation or condition |
|---|---|---|---|
| ❙ | Operation | Green | Normal operation |
| 🕐 | Timer | Orange | Timer operation |
| 🔲 | Economy | Green | Economy operation Min. heat operation |
| 📶 | WLAN | Orange | Wireless LAN control is active. 📶 |

## 3.2. Remote controller

When you use the optional remote controller, the appearance and the operation procedure may differ.
For details, refer to the operation manual of each remote controller.

| ✳ | : | The setting must be done while the setting screen is displayed for each function. |
|---|---|---|
| ❙ | : | The button is controllable only when the air conditioner is operating. |
| 📶 | : | The instruction is relating to the wireless LAN control (optional). |

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**Signal transmitter**

Aim at the signal receiver of the indoor unit properly.
• Operating range is approximately 22 ft (7 m).
• [▲] will appear when the signal is transmitted.
• The indoor unit will emit a beep when it receive the signal properly. If there is no beep, press the button again.

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**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.

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**For Basic operations .................... Refer to page 5.**

| (⏻/❙) | Starts or stops the air conditioner operation. | |
|---|---|---|
| MODE | Changes the operation mode. | ✳❙ |
| TEMP. ⌃ ⌄ | Adjusts the setting temperature. | ✳❙ |

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**For Min. (Minimum) heat operation .... Refer to page 8.**

| MIN. HEAT | Activates the Min. heat operation. |
|---|---|

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**For Energy saving operation ........ Refer to page 7.**

| ECONOMY | Activates or deactivates the Economy operation. | ❙ |
|---|---|---|
| ENERGY SAVING PROGRAM SENSOR | Activates or deactivates the Energy saving program that uses the human sensor. | |

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**For Outdoor unit low noise operation ... Refer to page 8.**

| OUTDOOR UNIT LOW NOISE | Activates or deactivates the Outdoor unit low noise operation. |
|---|---|

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Do not press this button in normal use.
It starts the test run (for use by authorized service personnel only).

**NOTE:** If the test run starts unintentionally, press ⏻/❙ to quit the test run.

## ⚠ 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.
 • 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.
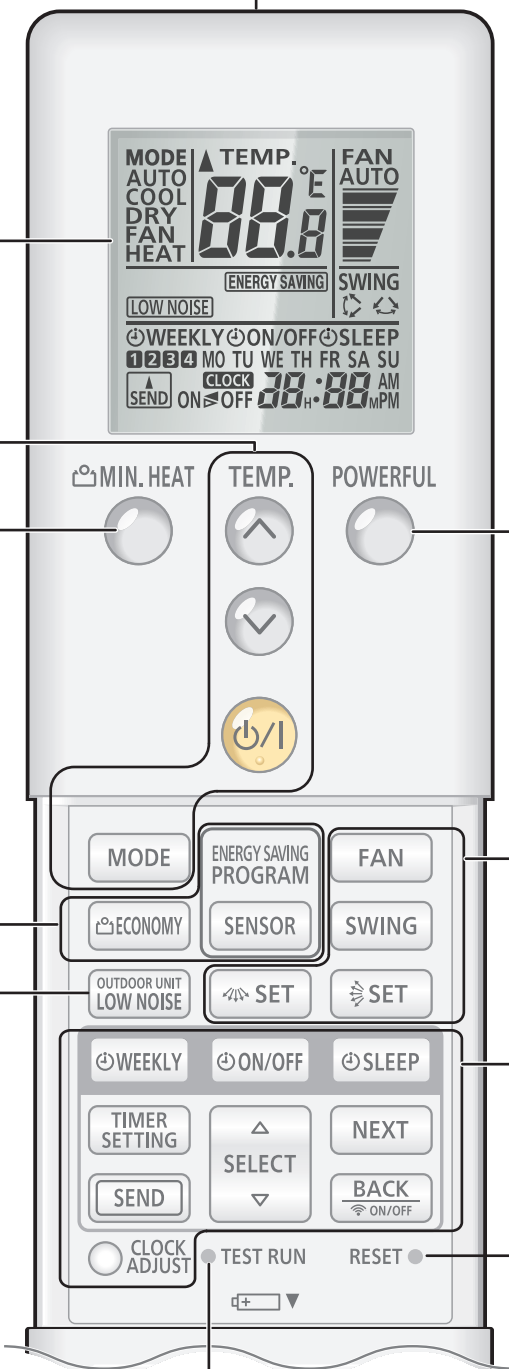
### For Powerful operation ................. Refer to page 8.

| POWERFUL ○ | Activates or deactivates the Powerful operation. | ❙ |
|---|---|---|

### For Airflow settings ....................... Refer to page 5.

| FAN | Controls the fan speed. | ✳❙ |
|---|---|---|
| SWING | Sets the automatic Swing operation. | ✳❙ |
| SET | Controls the left/right airflow direction. | ❙ |
| SET | Controls the up/down airflow direction. | ❙ |

### For Timer operations ..................... Refer to page 5.

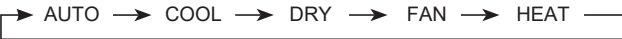| WEEKLY | Activates or deactivates the Weekly timer. | |
|---|---|---|
| ON/OFF | Activates or deactivates the On timer, Off timer, or Program timer. | |
| SLEEP | Activates or deactivates the Sleep timer. | |
| TIMER SETTING | Starts the timer setting. | |
| SEND | Sends the timer or clock setting to the indoor unit. | ✳ |
| | By pressed down, enters the wireless LAN setting mode. (Refer to page 11.) | 📶 |
| NEXT | Forwards the timer or clock setting to the next step. | |
| BACK ON/OFF | Returns the timer or clock setting to the previous step. | |
| | By pressed down, activates or deactivates the wireless LAN control. (Refer to page 11.) | 📶 |
| SELECT △▽ | Adjusts the value of the timer or clock settings. | |
| CLOCK ADJUST | Starts the clock setting. | |

### After replacing batteries

| RESET ○ | Press this button as shown in the following figure. Use a tip of a ballpoint pen or other small object. |
|---|---|

# 4. BASIC OPERATIONS

## ■ 3 steps to start operation

1. Press ⏻/I to start or stop the operation.

2. Press MODE to select the operation mode.
   The operation mode changes as follows.

   → AUTO → COOL → DRY → FAN → HEAT →

3. Press TEMP. (△▽) to set the desired temperature.
   The temperature changes by 1 °F (0.5 °C) increments.

| Temperature setting range | |
|---|---|
| Auto/Cooling/Dry | 64-88 °F (18.0-30.0 °C) |
| Heating | 60-88 °F (16.0-30.0 °C) |

**NOTES:**
- In the Cooling or Dry mode, set the temperature lower than the current room temperature.
- In the Heating mode,
  - set the temperature higher than the current room temperature.
  - at the beginning of the operation, the indoor unit fan rotates at very low speed for 3-5 minutes.
  - the Automatic defrosting operation overrides the Heating operation when necessary.
- In the Fan mode, temperature control is not available.

## ■ Temperature unit switching

1. Press ⏻/I until only the clock is displayed.

2. Press and hold TEMP. (△) for more than 5 seconds.
   The current temperature unit will be displayed. (Factory setting: °F)

3. Press TEMP. (△▽) to switch the temperature unit. (°F ⇔ °C)

4. Press ⏻/I to finish the setting.
   If you do not press the button for 30 seconds, the displayed temperature unit will be set.

# 5. AIRFLOW SETTINGS

## 5.1. Fan speed setting

☞ Press FAN to control the fan speed.
   The fan speed changes as follows.

   → AUTO → (High) → (Med) → (Low) → (Quiet) →
   (Auto)
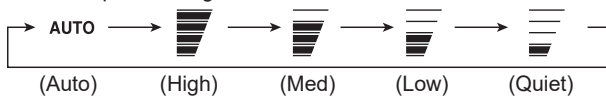
   When **AUTO** is selected, the fan speed depends on the operating condition.

   To increase the air cleaning effect, set the fan speed to High.

## 5.2. Airflow direction setting

For details of the airflow ranges, refer to "Airflow direction range".

## ■ Up/down airflow direction setting
☞ Press ⇲SET to adjust the up/down airflow direction.

## ■ Left/right airflow direction setting
☞ Press ⇲SET to adjust the left/right airflow direction.
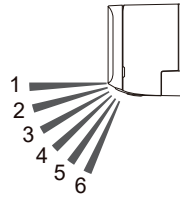
## ■ Swing operation setting
☞ Press SWING to select the Swing operation.
   The Swing operation changes as follows.

   → Up/down → Left/right → Up/down/left/right → Stop swing →

**NOTE:** The Swing operation may stop temporarily when the indoor unit fan is rotating at very low speed or is stopped.
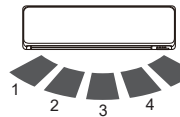
## ■ Airflow direction range

**Up/down airflow direction**

| Change by ⇲SET | 1 ⇄ 2 ⇄ 3 ⇄ 4 ⇄ 5 ⇄ 6 |
|---|---|
| **Swing operation by** SWING | |
| Cooling, Dry | 1 ←→ 4 |
| Heating | 3 ←→ 6 |
| Fan * | 1 ←→ 4 or 3 ←→ 6 |

\* The Swing operation range depends on the airflow direction set before the Swing operation.

**NOTES:**
- Do not adjust the horizontal louvers by hand.
- In the Auto or Heating mode, the airflow direction stay position 1 for a while from the start of the operation.
- In the Cooling or Dry mode, position 1-3 is recommended to prevent condensation drips damaging your property. If position 4-6 keeps for 30 minutes or more in these modes, the airflow direction changes to position 3 automatically.
- When using the mobile app (optional WLAN adapter is necessary), the up/down airflow can be selected from 4 positions.

**Left/right airflow direction**

| Change by ⇲SET | 1 ⇄ 2 ⇄ 3 ⇄ 4 ⇄ 5 |
|---|---|
| **Swing operation by** SWING | 1 ←→ 5 |

**NOTE:** In the Auto mode operation, you cannot change the airflow direction for a while from the start of the operation.

# 6. TIMER OPERATIONS

**NOTE:** When [ ⏻ ] indicator on the indoor unit blinks, set the clock and timer again. This blinking shows that the internal clock go wrong due to an interruption of the power supply. (Refer to page 10.)

## ■ Timer setting procedure

Before setting the timer, adjust the clock. (Refer to "remote controller preparation").

1. Press TIMER SETTING.
   ⏻WEEKLY on the remote controller display will blink.

2. Press SELECT (△▽) to choose timer operation.
   The timer operation will change as follows:

| ⏻WEEKLY | Weekly timer | Enables you to set operation schedules up to 4 setting for each day of the week. |
|---|---|---|
| ⏻ON/OFF [ON    ] | On timer | Starts the operation at your desired time. |
| ⏻ON/OFF [    OFF] | Off timer | Stops the operation at your desired time. |
| ⏻ON/OFF [ON⇲OFF] | Program timer | Operates as the combination of the On timer and Off timer. |
| ⏻SLEEP | Sleep timer | Supports your comfortable sleep by moderating the air conditioner operation gradually. |

3. Press NEXT.

4. Set each timer operation.
   For details, refer to the following instructions of each timer setting.

5. Press SEND to complete the timer setting.
   Be close to the indoor unit.

- To cancel the timer setting during the procedure, press TIMER SETTING again.

## 6.1. Weekly timer

### ■ Setting details

1. Select Weekly timer in step 2 of "Timer setting procedure".

2. Press [SELECT] (△▽) to select the program number and the day of the week.
   Selected program number (1~4) and the day of the week will blink.

| MO | Monday |
|----|--------|
| TU | Tuesday |
| WE | Wednesday |
| TH | Thursday |
| FR | Friday |
| SA | Saturday |
| SU | Sunday |

Program number    Day of the week
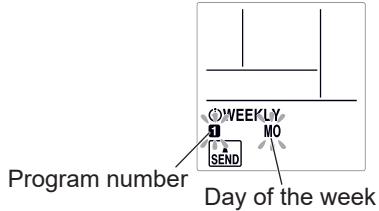
3. Press [NEXT].

4. Press [SELECT] (△▽) to choose the timer operation.

(Without a timer)    (On timer)    (Off timer)
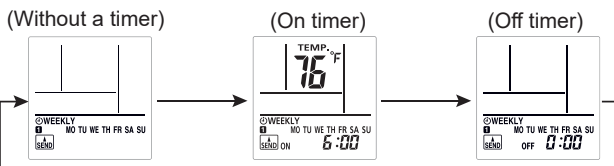
5. Press [NEXT].
   * When you chose "Without a timer" in step 4, the setting display will return to step 1.

6. Press [SELECT] (△▽) to set on time or off time.

7. Press [NEXT].
   * When you chose "Off timer" in step 4, the setting display will return to step 1.

8. Press [SELECT] (△▽) to set the temperature.

   **Temperature setting range**

| Auto, Cooling, or Dry mode: | 64-88 °F (18.0-30.0 °C) *Even if you set to 50, 60-63 °F (10, 16.0–17.5 °C), the air conditioner will run at 64 °F (18.0 °C) |
|---|---|
| Heating mode: | 50 or 60-88 °F (10 or 16.0-30.0 °C) |

9. Press [NEXT].
   The setting display will return to step 1.

10. Press [SEND] to complete the setting.
    Be close to the indoor unit.

    **NOTE:** [ ⏻ ] indicator on the indoor unit will not turn on even if the setting is complete.

- If you want to return the previous step, press [BACK ⏻ ON/OFF] .
- To check the schedule, use [SELECT] (△▽) to browse the Weekly timer settings in step 1.
  To finish checking, press [TIMER SETTING] .
- To deactivate the Weekly timer, press [⏻WEEKLY] while ⏻WEEKLY is shown on the remote controller display.
  The indicator will disappear.

**NOTES:**
- The operation modes will be the same as the mode at the last time operation was stopped, so Cooling → Heating → Cooling → Heating type of operations cannot be set automatically.
- If you set the On timer and Off timer on the same time, the On timer will work.
- If two On timers are set on the same time, the air conditioner will run in the order of the program number.
- You cannot the Weekly timer and the other timers simultaneously.
  If you use the On/Off timer, the Program timer, or the Sleep timer while the Weekly timer is activated, the Weekly timer will be deactivated.
  In such a case, activate the Weekly timer after the other timer finishes.
- If the wired remote controller (optional) is connected, this function is restricted.

### ■ Examples of Weekly timer

Example 1

| | 7:00 | 9:00 | 11:00 | 17:00 | 23:00 |
|---|---|---|---|---|---|
| Monday to Friday | Program 1 On 80 °F (26.0 °C) | Program 2 Off | | Program 3 On 82 °F (27.0 °C) | Program 4 Off |
| | Wake up | Leave for work | | Come back home | Go to sleep |
| Saturday | | | (No timer settings) | | |
| Sunday | | Program 1 Off | Program 2 Off | Program 3 Off | Program 4 Off |
| | (On) | (On) | (On) | (On) | |

Example 2: You can specify temperature settings using the On timer in the Weekly timer.

| 7:00 | 9:00 | 17:00 | 23:00 |
|---|---|---|---|
| Program 1 On 82° F (27.0 °C) | Program 2 On 80° F (26.0 °C) | Program 3 On 81° F (26.5 °C) | Program 4 On 82° F (27.0 °C) |

## 6.2. On timer or Off timer

1. Select On timer or Off timer in step 2 of "Timer setting procedure".

2. Press [SELECT] (△▽) to set on time or off time.
   Pressing the button: The time will change by +5/-5 minutes.
   Pressing down the button: The time will change by +10/-10 minutes.

- To deactivate the On/Off timer, press [⏻ON/OFF] while ⏻ON/OFF is shown on the remote controller display.
  The indicator will disappear.

## 6.3. Program timer

1. Set On timer and Off timer. (Refer to "6.2. On timer or Off timer").

2. Select Program timer in step 2 of "Timer setting procedure".

The timer whose setting time is closer to the current time works first.
The order of the timer operation is displayed as follows:

| Timer | Indicator on the remote controller display |
|---|---|
| On→Off timer | ON▷OFF |
| Off→On timer | ON◁OFF |

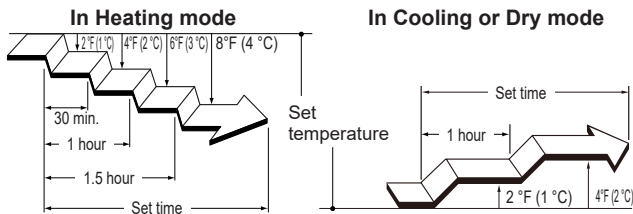**NOTE:** You can set the Program timer only within a span of 24 hours.

## 6.4. Sleep timer

1. Select Sleep timer in step 2 of "Timer setting procedure".

2. Press SELECT (△▽) to set the time until the operation stops.

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

   0H → 1H → 2H → 3H → 5H → 7H → 9H
   30M   00M   00M   00M   00M   00M   00M
   (30 min.)                              hours
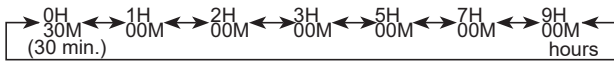
   • To deactivate the Sleep timer, press ⏻SLEEP while ⏻SLEEP is shown on the remote controller display.
   The indicator will disappear.

During the Sleep timer operation, the setting temperature changes as the following figure.

**In Heating mode**     **In Cooling or Dry mode**

2°F(1°C) 4°F(2°C) 6°F(3°C) 8°F(4°C)

Set temperature

30 min.
1 hour
1.5 hour
Set time

Set time
1 hour
2°F(1°C)  4°F(2°C)

After the set time has elapsed, the air conditioner operation turns off.

# 7. ENERGY SAVING OPERATIONS

## 7.1. Economy operation

It saves more electricity than other operation modes by changing the set temperature to a moderate setting.

☞ Press ⏻ECONOMY to activate/deactivate the Economy operation.

   [⏻] indicator on the indoor unit will turn on.

| Operation mode | Room temperature |
|---|---|
| Cooling/Dry | Few degrees higher than the set temperature |
| Heating | Few degrees lower than the set temperature |

**NOTES:**
• In the Cooling, Heating, or Dry mode, the maximum output of this operation is approximately 70 % of usual operation.
• This operation cannot be performed during the temperature monitoring by the Auto mode.

## 7.2. Human sensor for energy saving

### ⚠ WARNING

🚫 • Do not use this function when there are only infants, children, elderly, or sick persons in the room.

### ⚠ CAUTION

🚫 • Do not use this function in server rooms or other places where there is no one in the room.
• Do not place large objects near the human sensor. Also keep heating units outside the sensor's detection area.

When no one is in the room, the air conditioner operates moderately to prevent waste of electricity.
(This function is activated at the time of purchase.)

☞ To change the setting, press SENSOR.

   While the Energy saving program is activated, ENERGY SAVING on the remote controller display will turn on.

**NOTES:**
• The following operations will override the Energy saving program.
  - Sleep timer operation
  - Min. heat operation
• The Energy saving program may not work when the room temperature is very different from the set temperature, such as when immediately after starting the operation.

### ■ Details on Energy saving program

Human sensor on the indoor unit detects movement of people.

If there is no one in the room for approximately 20 minutes, the temperature will be adjusted moderately.

When someone comes back into the room, the air conditioner revert to the original settings.

| Operation mode | Room temperature (When there is no one there) |
|---|---|
| Cooling/Dry | Higher than the set temperature (Max. +4 ˚F (+2 ˚C)) |
| Heating | Lower than the set temperature (Max. -8 ˚F (-4 ˚C)) |
| Auto | Depending on the operating mode (Cooling/ Heating/ Dry). |

**Detection range of human sensor**

Side view          Top view

22 ft (7 m)    90°

22 ft (7 m)    50°  50°
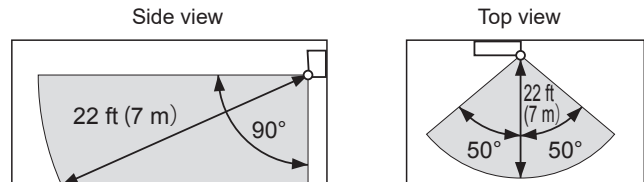
**NOTE:** Since the human sensor detects infrared light given out by people, the detection may be incorrect in the following situations.

**Situations in which the sensor may detect no one in the room, even when there is someone there:**
• When the room temperature is high and the difference with people's body temperature is small. (Such as when the temperature is 86 ˚F (30 ˚C) or higher in summer.)
• When someone in the room do not move for a long time.
• When someone is hidden behind a sofa, other furniture, glass, or in similar situations.
• When someone is wearing extremely thick clothing and turn their backs on the sensor.

**Situations in which the sensor may 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 wind is moving curtains or plants.
• When heating units, humidifiers, or electric appliances such as oscillating electric fans are operating.

## 7.3. Fan control for energy saving

In the Cooling operation, when the room temperature reaches the set temperature, the indoor unit fan rotates intermittently to save power. (This function is activated at the time of purchase.)

To change the setting, use the following steps;

FC  FAN
OFF

1. Press ⏻ until only the clock is displayed on the remote controller display.

2. Press and hold FAN for more than 5 seconds.
   The current Fan control status ( FC ) is displayed.

3. Press TEMP. (△▽) to switch between activated ( ON ) or deactivated ( OFF ).

4. Press ⏻ to send the setting to the indoor unit.
   The display will return to the original screen.

**NOTE:** If you do not press any buttons for 30 seconds after FC is displayed, FC will turn off. In this case, repeat the setting from step 2.
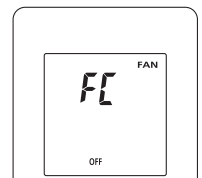
# 8. OTHER OPERATIONS

## 8.1. Powerful operation

In the Powerful operation, the air conditioner will operate at maximum power and strong airflow to cool down or warm up the room quickly.

☞ Press POWERFUL to activate/deactivate the Powerful operation.
   When activated, the indoor unit will emit 2 short beeps.
   When deactivated, the indoor unit will emit 1 short beep.

The Powerful operation will be turned off automatically in the following situations:
   • The Powerful operation runs for a certain amount of time and the room temperature reaches the set temperature in the Cooling, Dry, or Heating mode.
   • 20 minutes after the Powerful operation has started.

**NOTES:**
   • The airflow direction and the fan speed are controlled automatically.
   • The Powerful operation cannot be performed simultaneously with Economy operation.
   • The Powerful operation overrides the following operations. If the following operation is set, they will start after the Powerful operation finishes.
      - Outdoor unit low noise operation
      - Energy saving program
   • If the wired remote controller (optional) is connected, this function is restricted.

## 8.2. Outdoor unit low noise operation

The Outdoor unit low noise operation lowers noise from the outdoor unit. During this operation, the rotation number of the compressor decreases and the outdoor unit fan rotates slowly.

☞ Press OUTDOOR UNIT LOW NOISE to activate/deactivate the Outdoor unit low noise operation.
   While the Outdoor unit low noise operation is activated, LOW NOISE on the remote controller is displayed.
   The setting is preserved even if the air conditioner is turned off.

**NOTES:**
   • This operation cannot be performed simultaneously with the Fan mode, Dry mode, and Powerful operation.
   • If the wired remote controller (optional) is connected, this function is restricted.

## 8.3. Min. (Minimum) heat operation

Min. heat operation maintains the room temperature at 50 °F (10 °C) so as to prevent the room temperature to drop too low.

☞ Press MIN. HEAT to activate the Min. heat operation.
   The indoor unit will emit 1 short beep and [ ] indicator on the indoor unit will turn on.

☞ Press to turn off the air conditioner.
   [ ] indicator will turn off.

**NOTES:**
   • During the Min. heat operation, only SET and SET are valid.
   • When the room temperature is warm enough, this operation will not perform.
   • If the wired remote controller (optional) is connected, this function is restricted.

# 9. SETTINGS ON INSTALLATION

## 9.1. Remote controller custom code setting

By setting custom code of indoor unit and remote controller, you can specify the air conditioner which the remote controller controls.

When two or more air conditioners are in the room and you wish to operate them separately, set the custom code (4 selections possible).

**NOTE:** If custom codes is different between the indoor unit and the remote controller, the indoor unit cannot receive a signal from the remote controller.

**How to set the remote controller custom code**

1. Press until only the clock is displayed on the remote controller display.

2. Press and hold MODE for more than 5 seconds.
   The current custom code will be displayed (initially set to A).

3. Press TEMP. (∧∨) to change the custom code between A (*R*) ↔ B (*b*) ↔ C (*c*/*C*) ↔ D (*d*).
   * Match the custom code on the display to the air conditioner custom code.

4. Press MODE again.
   The custom code will be set.
   The display will return to the clock display.

---
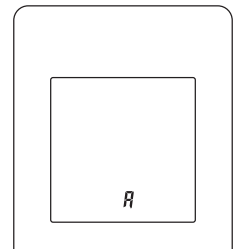
   • To change the air conditioner custom code, contact an authorized service personnel (initially set to A).
   • If you do not press any buttons for 30 seconds after the custom code is displayed, the display returns to the clock display. In this case, repeat the setting from step 2.
   • Depending on the remote controller, the custom code may return to A when replacing the batteries. In this case, reset the custom code as necessary. If you do not know the air conditioner custom code, try each code until you find the code which operates the air conditioner.

---

# 10. 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.
   • If the filter cleaning involves high-place work, consult the authorized service personnel.

🚫 • 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.

Air cleaning filters
(Apple catechin filter, Ion deodorization filter)



Intake grille
Indoor unit body
Air filters
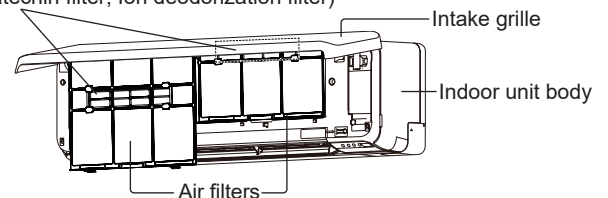
The frequency of the cleaning is as shown in the following table.

| What to do | Frequency |
|---|---|
| Cleaning indoor unit body | When you notice |
| Cleaning air filter | Every 2 weeks |
| Cleaning Ion deodorization filter | Every 3 months |
| Replacing Apple-catechin filter (Model name: UTR-FA16) | |
| Replacing Ion deodorization filter (Model name: UTR-FA16-2) | Every 3 years |

\* The air cleaning filters are sold separately. When you replace them, contact the store of purchase.

## Cleaning indoor unit body

**NOTES:**
- Do not use water hotter than 104 °F (40 °C).
- Do not use scouring cleanser, volatile solvents such as benzene or thinner.

1. Wipe the indoor unit body gently with a soft cloth moisten with warm water.
2. Wipe the indoor unit body gently with a dry and soft cloth.

## Cleaning air filter

1. Open the intake grille until it snaps.
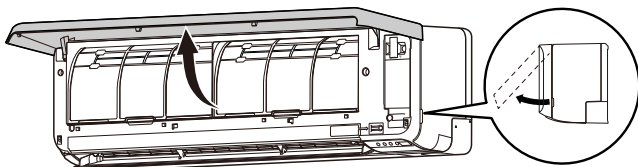


2. Remove the air filters.
   Lift up the air filters' handle, disconnect the two lower tabs, and pull out.



Air filter handle

Hooks (2 places)
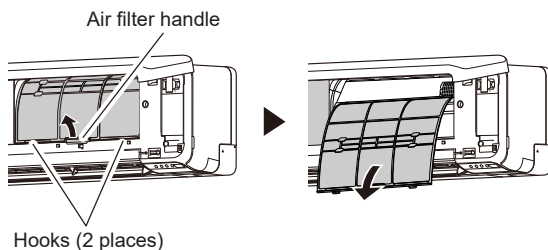
3. Remove the dust in either of the following ways.
   - Cleaning with vacuum cleaner.
   - Washing with mild detergent and warm water. After washing, dry the air filters thoroughly in shade.
4. Replace the air filters.
   Align the sides of the air filter with the panel, and push in fully. Make sure to the two lower tabs are returned to their holes in the indoor unit properly.
5. Close the intake grille.
   Press 4 places on the intake grille to close it completely.
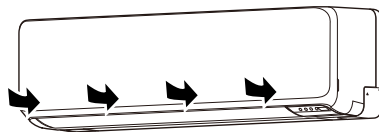


**NOTE:** If dirt accumulates on the air filter, airflow will be reduced, operating efficiency will lower, and the noise will increase.

## Cleaning Ion deodorization filter and Replacing Apple-catechin filter

1. Remove the air filters. Refer to steps 1 ~ 2 of "Cleaning air filter".
2. Remove the air cleaning filters from the air cleaning filter holder.



Air cleaning filter

Air cleaning filter holder
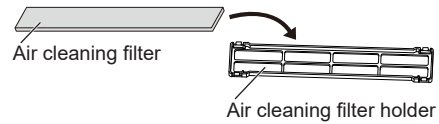
3. Flush the Ion deodorization filter (light blue) with high-pressure hot water until the surface of the filters are covered with water.
4. Wash the Ion deodorization filter with diluent neutral detergent.
   Do not ream or rub, otherwise the deodorizing effect may decrease.
5. Rinse the Ion deodorization filter with water flow.
6. Dry the Ion deodorization filter in shade.
7. Remove the Apple-catechin filter (light green) from the air cleaning filter holder.
8. Set the new or washed air cleaning filters into the air cleaning filter holders.

**NOTE:** Use the Apple-catechin filter as soon as possible after opening the package. The air cleaning effect decreases when the filters are left in the opened package.

9. Install the air cleaning filter holders to the air filters.
   Engage the 4 hooks at the rear of the air cleaning filter holder with the latch at both ends of the air filter.



Hook (4 places at the rear)

Latch (4 places)
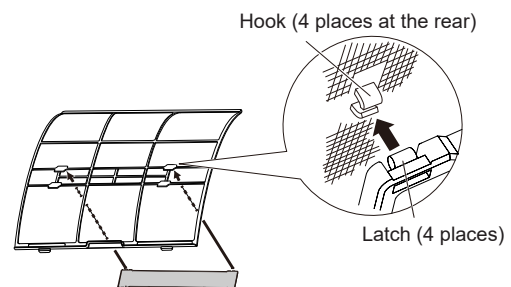
**NOTE:** Take care that the air cleaning filter does not project beyond the holder.

10. Replace the air filters and close the intake grille. Refer to steps 4 ~ 5 of "Cleaning air filter".

## Replacing Ion deodorization filter

1. Remove the air filters. Refer to steps 1 ~ 2 of "Cleaning air filter".
2. Remove the Ion deodorization filter (light blue) from the air cleaning filter holder.
3. Install the new Ion deodorizing filter.

## Removing and installing intake grille

### ■ Removing intake grille

1. Open the intake grille.

2. While pressing the left and right mounting shafts outward gently, pull the intake grille.
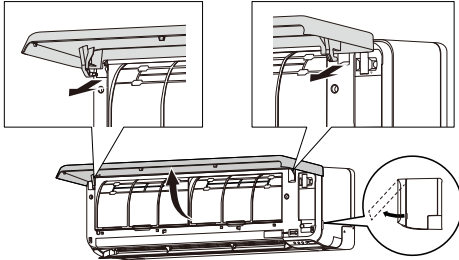


### ■ Installing intake grille

1. While holding the intake grille horizontal, set the left and right mounting shafts into the pillow blocks at the top of the front panel.
   Insert the shaft until it snaps to latch each shaft properly.

2. Close the intake grille.

3. Press 4 places on the intake grille to close it completely.
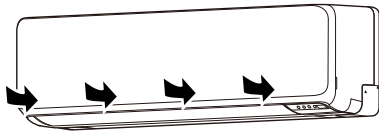


## After extended non-use of the unit

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

## Additional inspection

After long period of use, accumulated dust inside the indoor unit may reduce the performance even if you have maintained the unit properly.

In such a case, a product inspection is recommended.

For more information, consult authorized service personnel.

## Filter indicator reset (Special setting)

This function can be used if set correctly during installation. Consult authorized service personnel in order to use this function.

☞ Clean the air filter when the indicator lamp show the following:

| Indicator lamp | Blinking pattern |
|---|---|
| ⌂ | Blinks 3 times, at intervals of 21 seconds |

After cleaning, reset the filter indicator by pushing ▭ ⟶ ▭ on the indoor unit for 2 seconds or less.

# 11. GENERAL INFORMATION

### ■ 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.

### ■ 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, an 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.)

[ | ] 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, [ ⟳ ] indicator on the indoor unit blinks to notify you that there has been a timer fault. In such a case, reset the clock and timer settings.

### ■ 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.

### ■ Indoor unit temperature and humidity range

Permissible ranges of temperature and humidity are as follows:

| Indoor temperature | Cooling/Dry | [°F (°C)] | 64 to 89 (18 to 32) |
|---|---|---|---|
|  | Heating | [°F (°C)] | 60 to 86 (16 to 30) |
| Indoor humidity |  | [%] | 80 or less *1) |

*1) If the air conditioner is used continuously for many hours, water may condense on the surface and drip.

• If the unit is operated under the conditions except the permissible temperature range, the air conditioner operation may stop because of the automatic protection circuit working.

• Depending on the operating conditions, the heat exchanger may freeze, causing water leakage or other malfunction (in the Cooling or Dry mode).

### ■ Other information

• Do not use the air conditioner for any purpose other than room cooling/dry, room heating or fan.

• For the permissible ranges of temperature and humidity for the outdoor unit, refer to the outdoor unit installation manual.

# 12. OPTIONAL PARTS

## 12.1. Wired remote controller

The optional wired remote controller can be used.

**You can use wired and wireless remote controller together.**

However, some functions of the wireless remote controller are restricted. If you set the restricted functions, beeping sound will be heard, [ | ], [ ⏻ ], [ ⮥ ], and [ ⧟ ] indicator on the indoor unit will blink.

<Restricted functions for wireless remote controller>

When using together with wired remote controller (2-wire type)
- Weekly timer operation
- Powerful operation
- Outdoor unit low noise operation
- Min. heat operation

**You can use wired remote controller and wireless LAN control together (optional).**

However, some operations from the mobile app are restricted.

### Multiple remote controller

You can connect two wired remote controllers to one air conditioner.

Either remote controller can control the air conditioner.

However, the timer functions cannot be used by the secondary unit.

### Group control

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

You cannot use group control and wireless LAN control together.

## 12.2. Wireless LAN control

To use the wireless LAN control, the WLAN adapter and mobile app is necessary.

For how to operate the mobile app, refer to the operation manual of the mobile app.
Write down the SSID and the PIN code to the following table.



Wireless LAN label

MAC: ✱✱✱✱✱✱✱✱✱✱✱
SSID :AP-WF✱✱-✱✱✱✱✱✱✱✱✱✱✱✱
PIN: ✱✱✱✱✱✱✱✱

Connection port
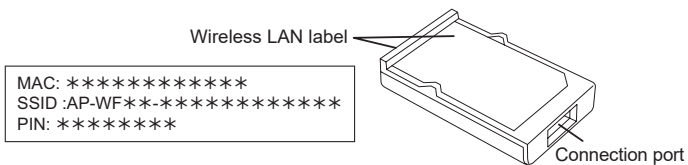
**Information on WLAN adapter**

| SSID | |
|------|--|
| PIN | |

Google Play is a registered trademark of Google Inc.

App store is a service mark of Apple Inc., registered in the U.S. and other countries.

## Setting to use wireless LAN control

### Step 1. Application software installation

1. Open "Google Play" or "App Store" depending on the type of your smartphone or tablet PC.

2. Search for "FGLair".

3. Install the application software (mobile app) following the instructions on your screen.

### Step 2. User registration

1. Open the installed mobile app.

2. Register the user (with either a smartphone or tablet PC) by following the instructions in the create an account section of the mobile app.

### Step 3. Installing WLAN adapter

| ⚠ CAUTION | |
|---|---|
| ❗ | • Be sure to turn off the power supply of the air conditioner when installing or removing this product to avoid the risk of electric shock. |
| 🚫 | • Do not put fingers, sticks etc. in the connection part of this product and the connection slot of the indoor unit. Otherwise, electric shock or damage to the product may occur.<br>• Do not standing on an unstable platform when installing or removing this product to avoid injury. |

1. Be sure to turn air conditioner off and to disconnect all the power supply.

2. Open the intake grille until it snaps.
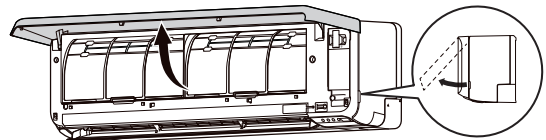


3. Open the WLAN adapter cover until it snaps.
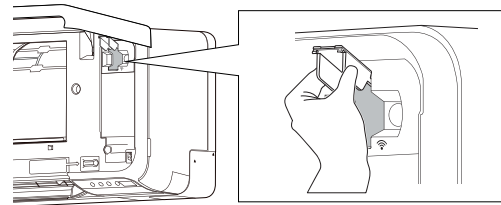


4. Plug the WLAN adapter into the connection slot of the indoor unit in the direction as shown in the figure.



Label side
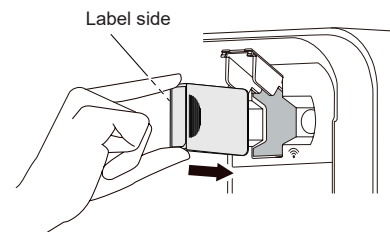
5. Close the WLAN adapter cover and the intake grille.

### Step 4. Air conditioner registration (pairing of WLAN adapter)

**NOTES:**
- Before starting this setting, reconnect the power supply of the air conditioner and wait for 60 seconds or more.
- Check that the smartphone or tablet PC is linked to the access point you are connecting the air conditioner. The setting will not work if it is not connected to the same access point.
- To control 2 or more air conditioners with the same smartphone or tablet PC, repeat the setup of the chosen mode.

☞ Register the air conditioner by following the instructions on the mobile app.

When the registration is completed, [ 📶 ] indicator on the indoor unit will turn on.

┌─ **For reference** ─────────────────────────────

**\<Manual connection\>**

Setting procedure of the remote controller

**NOTE:** If you do not press any buttons of the remote controller for 60 seconds, the remote controller display will return to the original display.
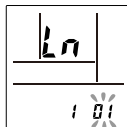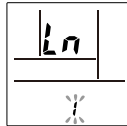
1. Press ⏻ on the remote controller until only the clock is displayed on the remote controller display.
2. Press and hold ⌷SEND⌷ on the remote controller for more than 5 seconds.
   *L n* will be displayed on the remote controller display.
3. Press ⏻ .
4. Select *01* using ⌷TEMP.⌷ (∧∨) .
5. Press ⏻ .
   The indoor unit enters the Manual connection mode and [ 📶 ] indicator on the indoor unit will blink.
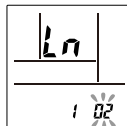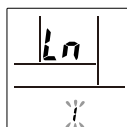   **NOTE:** If the registration is not be finished in several minutes, the Manual connection mode is canceled and [ 📶 ] indicator turns off.
   In this case, repeat the remote controller setting.

**\<Easy connection\>**

Setting procedure of the remote controller

**NOTE:** If you do not press any buttons of the remote controller for 60 seconds, the remote controller display will return to the original display.

1. Press ⏻ on the remote controller until only the clock is displayed on the remote controller display.
2. Press and hold ⌷SEND⌷ on the remote controller for more than 5 seconds.
   *L n* will be displayed on the remote controller display.
3. Press ⏻ .
4. Select *02* using ⌷TEMP.⌷ (∧∨).
5. Press ⏻ .
   The indoor unit enters the Easy connection mode and [ 📶 ] indicator on the indoor unit will blink (on/off = 1 s/1 s).
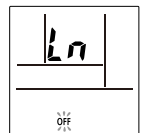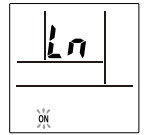   When the WLAN adapter find a connectable WLAN access point, the blinking will become slowly (on/off = 2 s/0.5 s).
   **NOTE:** If the connection to the access point is not be finished in several minutes, the Easy connection mode is canceled and 📶 turns off.
   In this case, repeat the remote controller setting.

└──────────────────────────────────────────────

## Temporary deactivation of wireless LAN

**NOTE:** If you do not press any buttons of the remote controller for 60 seconds, the remote controller display will return to the original display.

1. Press ⏻ on the remote controller until only the clock is displayed on the remote controller display.
2. Press and hold ⌷BACK⏻ON/OFF⌷ on the remote controller for more than 5 seconds.
   *L n* will be displayed on the remote controller display.
3. Select **OFF** using ⌷TEMP.⌷ (∧∨). *
4. Press ⏻ .
   [ 📶 ] indicator on the indoor unit will turn off.

\* If you want to activate wireless LAN again, select **ON** in step 2.

## Initialization (reset)

Initialize (reset) this product in the following situations:
- Changing the access point
- Disposing this product
- Transferring this product to a third party

**Unregister the air conditioner**

Unregister the air conditioner by using the mobile app. (Refer to the operation manual of the mobile app for details.)

**Initialization of the WLAN adapter**

**NOTE:** If you do not press any buttons of the remote controller for 60 seconds, the remote controller display will return to the original display.
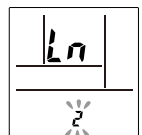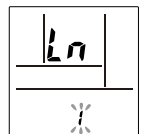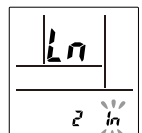
1. Press ⏻ on the remote controller until only the clock is displayed on the remote controller display.
2. Press and hold ⌷SEND⌷ on the remote controller for more than 5 seconds.
   *L n* will be displayed on the remote controller display.
3. Select *2* using ⌷TEMP.⌷ (∧∨).
4. Press ⏻ .
   *In* on the remote controller display will blink.
5. Press ⏻ .
   [ 📶 ] indicator on the indoor unit will turn off after blinking fast.

**To continue use**

If you or third party wishes to continue use of the product, follow the procedures in "Air conditioner registration (pairing of WLAN adapter)" to reconnect to a different access point.

**NOTE:** Wireless LAN setup is not possible if the previous owner did not unregister or initialize this product. In this case, contact your authorized service personnel.

# 13. 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

### Does not operate at all.

☐ Has there been a power outage?
In this case, the unit restarts automatically after the power supply is resumed. (Refer to **page 10**.)

☐ Has the circuit breaker been turned off?
⇒ Turn on the circuit breaker.

☐ Has a fuse blown out or the circuit breaker been tripped?
⇒ Replace the fuse or reset the circuit breaker.

☐ Is the timer operating?
⇒ To check or deactivate the timer setting, refer to **page 5**.

### Poor cooling or heating performance.

☐ Is the unit operating under the conditions except the permissible temperature range?
In this case, the air conditioner may stop because of the automatic protection circuit working.

☐ Is the air filter dirty?
⇒ Clean the air filter. (Refer to **page 9**.)

☐ Is the intake grille or outlet port of indoor unit blocked?
⇒ Remove the obstructions.

☐ Is the room temperature adjusted appropriately?
⇒ To change the temperature setting, refer to **page 5**.

☐ Is a window or door left opened?
⇒ Close the window or the door.

☐ Is the fan speed set to Quiet?
⇒ To change the fan speed, refer to **page 5**.

☐ Has the Outdoor unit low noise operation been set?
⇒ To stop the Outdoor unit low noise operation, refer to **page 8**.

☐ <In the Cooling mode> Is direct or strong sunlight shining into the room?
⇒ Close the curtains.

☐ <In the Cooling mode> Are there other heating apparatus or computers operating, or too many people in the room?
⇒ Turn the heating apparatus or computers off, or set the temperature lower. (Refer to **page 5**.)

### Airflow is weak or stops.

☐ Is the fan speed set to Quiet?
⇒ To change the fan speed, refer to **page 5.**

☐ Has the Fan control for energy saving set? In this case, the indoor unit fan may stop temporarily while the Cooling operation.
⇒ To cancel the Fan control for energy saving, refer to **page 7**.

☐ <In the Heating mode> Have you just started the operation?
In this case, the fan rotates at very low speed temporarily to warm up the internal parts of the unit.

☐ <In the Heating mode> Is the room temperature higher than the set temperature?
In this case, the outdoor unit stops and the indoor unit fan rotates at very low speed.

☐ <In the Heating mode> Is [ | ] indicator blinking?
In this case, the Automatic defrosting operation is working. The indoor unit stops for maximum of 15 minutes. (Refer to **page 10**.)

☐ <In the Dry mode> The indoor unit operates at low fan speed to adjust the room humidity, and may stop from time to time.

☐ <In the Auto mode> While the monitoring operation, the fan rotates at very low speed.

### Noise is heard.

☐ Is the unit operating, or immediate after stopping operation?
In this case, refrigerant flowing sound may be heard. It may be particularly noticeable for 2-3 minutes after starting operation.

☐ Do you hear a slight squeaking sound during the operation?
This sound is produced by the minute expansion and contraction of the front panel caused by temperature change.

☐ <In the Heating mode> Do you hear a sizzling sound?
This sound is produced by the Automatic defrosting operation. (Refer to **page 10**.)

### Smell coming from the unit.

☐ The air conditioner may absorb various smells generated from interior textile, furniture, or cigarette smoke. These smells may be emitted during the operation.

### Mist or steam is emitted from the unit.

☐ <In the Cooling or Dry mode> A thin mist may be generated by condensation formed with sudden cooling process.

☐ <In the Heating mode> Is [ | ] indicator on the indoor unit blinking?
In this case, steam may rise from the outdoor unit because of the Automatic defrosting operation. (Refer to **page 10**.)

### Outdoor unit emits water.

☐ <In the Heating mode> The outdoor unit may emit water generated by the Automatic defrosting operation. (Refer to **page 10**.)

### The unit operates differently from the remote controller setting.

☐ Are the batteries in the remote controller exhausted?
⇒ Replace the batteries.

### Operation is delayed after restart.

☐ Has the power supply turned from Off to On suddenly?
In this case, the compressor will not operate for about 3 minutes to prevent a blowout of the fuse.

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.
- On the indoor unit, [ | ] and [ ⏲ ] blink while [ ♨ ] is blinking fast.

**NOTE:** For any troubleshooting related to the wireless LAN control, refer to the setting manual for the WLAN adapter or the mobile app installed in your smartphone or tablet PC.

## ■ State of indicator lamps

📶 : The instruction is relating to the wireless LAN control (optional).

Lighting pattern: ◯ Off, ● On, ☼ Blinking, ─ Any state

| State | Causes and solutions | See page |
|---|---|---|
| ☼ ─ ─ ─ | Automatic defrosting operation ⇒ Wait until finishing the defrosting (maximum of 15 minutes). | 10 |
| ❘ ─ ☼ ─ (3 times) | Filter indicator ⇒ Clean the air filter and reset the filter sign. | 10 |
| ☼ ☼ ☼ ─ (Fast) | Error code display ⇒ Consult authorized service personnel. | - |
| ❘ ☼ ─ ─ | Timer setting error because of Auto restart ⇒ Reset the clock and timer settings. | 10 |
| ☼ ☼ ─ ─ | Test run operation (for authorized personnel only) ⇒ Press ⏻ to quit the test run. | 3 |
| ❘ ─ ─ ☼ (Slow) | The power to the access point is not on. 📶 ⇒ Check that the power to the access point is on. | - |
| | There is a possibility that the WLAN adapter is not properly connected to the access point. 📶 ⇒ Disconnect the power supply to the air conditioner (via breaker or plug), and then re-connect. | 11 |
| ❘ ─ ─ ☼ | The software of the WLAN adapter is being updated. 📶 | - |
| | During the air conditioner registration 📶 (pairing of WLAN adapter) | 11 |
| ☼ ☼ ☼ ☼ | Restricted function | 11 |

## ■ Manual auto operation and Filter indicator reset

You can operate the air conditioner with [MANUAL AUTO / FORCED COOLING OPERATION] ⇒ 🔲 on the indoor unit.

| Status | Length of pressing down | Mode or operation |
|---|---|---|
| In operation | More than 3 seconds | Stop |
| Stopping | 2 seconds or less | Filter indicator reset |
| | More than 3 seconds and less than 10 seconds | Auto |
| | More than 10 seconds (Only for servicing.*) | Forced cooling |

*:To stop the forced cooling, press this button or ⏻ on the remote controller.