FUJITSU

Halcyon THE POWER TO CALM THE WIND™

AIR CONDITIONER
Wall Mounted Type

Before using this product, read these instructions thoroughly. Also, keep this manual for future reference, together with the installation manuals for the indoor and outdoor units.

OPERATING MANUAL

Contents

Safety Precautions

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

⚠ WARNING	⚠ CAUTION
This mark warns of death or serious injury.	This mark warns of injury or damage to property.

⚠ WARNING

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

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

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

⚠ CAUTION

- Provide occasional ventilation during use.
- Always operate this product with air filters installed.
- Ensure that any electronic equipment is at least 1 m (40 in) away from either the indoor unit or outdoor unit.
- Disconnect all the power supply when you are not using this product for extended periods.
- After a long period of use, ensure to get the mounting of the indoor unit checked to prevent this product from falling down.
- The airflow direction and the room temperature should be carefully considered when you use this product in a room with infants, children, elderly or sick persons.
- Connection valves become hot during Heating; handle with care.

- 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.

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 "MANUAL AUTO" button

Use when the remote controller is lost or there is a malfunction.

Status	Action	Mode or operation
In operation	Press.	Stop
Stopping	Press less than 10 seconds.	AUTO
	Press more than 10 seconds. (Only for servicing.*)	Forced cooling

*:To stop forced cooling, press this button or "Start/Stop($\bigcirc$/|)" button on the remote controller.
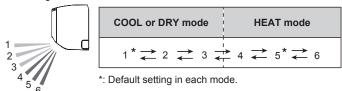
3 Front panel

4 Human Sensor   》》》 See page 8

Used for Energy Saving Program. Controls temperature setting by detecting people in the room.
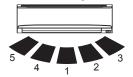
5 Vertical airflow direction louver

Each time you press "Vertical SET" button on the remote controller, the angle of the vertical airflow direction louver moves as follows:
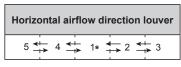
COOL or DRY mode	HEAT mode
1 * ⇄ 2 ⇄ 3 ⇄	4 ⇄ 5 * ⇄ 6

*: Default setting in each mode.

- 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 4-6 for more than 20 minutes in COOL or DRY mode, the louver will automatically return to position 3.
- Keeping the position 4-6 during COOL or DRY mode may cause condensation to form, and the drops may damage your property.

6 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:

Horizontal airflow direction louver
5 ⇆ 4 ⇆ 1* ⇆ 2 ⇆ 3

*: Default setting.

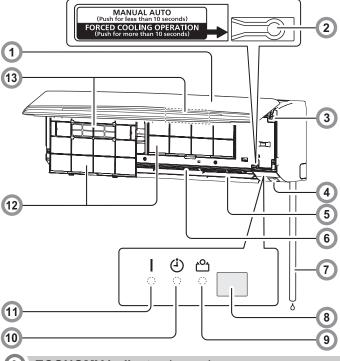### 7 Drain hose

8 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.

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

9 ECONOMY indicator (green)

Lights in ECONOMY operation and in MIN. HEAT operation.

10 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.
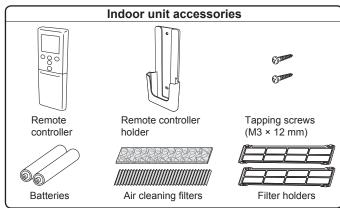
11 OPERATION indicator (green)

Lights in normal operation, and blinks slowly in Automatic defrosting operation.
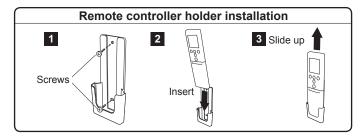
12 Air filter   》》》 See page 10

13 Air cleaning filters   》》》 See page 11

Purify or deodorize the air, and provide fresh airflow

Indoor unit accessories

Remote controller	Remote controller holder	Tapping screws (M3 × 12 mm)
Batteries	Air cleaning filters	Filter holders

Remote Controller Overview and Operations

⚠ WARNING

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

Remote controller holder installation

Screws   Insert   3 Slide up

⚠ CAUTION

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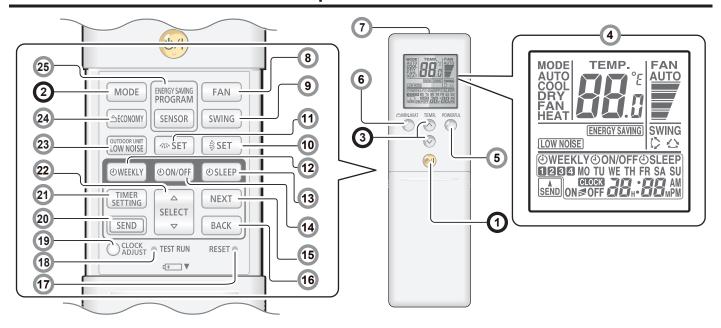- Do not use dry batteries that has been recharged.

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

5 Press CLOCK ADJUST button to start clock setting.

6 Set the day of the week by pressing SELECT button (Monday to Sunday). *By pressing the TEMP. (∧∨) buttons, the time indicator can be changed from a 24-hour to a 12-hour clock.

7 Press NEXT button to continue.

8 Set the time by pressing SELECT button.
Pressing △ or ▽ changes the value by the minute.
Pressing down on △ or ▽ changes the value by 10 minutes.

9 To complete, press the SEND button close to the indoor unit. Settings may not be properly sent if pressed from a distance.

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 button as shown in page 5.
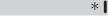
Remote Controller Overview and Operations

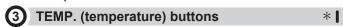You can quickly start operation with the following 3 steps:

① START/STOP button

② MODE button ✳ ▌

Switches operation mode in following order.

AUTO → COOL → DRY → FAN → HEAT

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.

③ TEMP. (temperature) buttons ✳ ▌

Sets the desired temperature.
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	64-88°F (18.0-30.0 °C)
HEAT	60-88°F (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: °F)
3. Press the TEMP. buttons (∧/∨) to switch the temperature unit. (°F ↔ °C)
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 MIN. (MINIMUM) HEAT button

Starts MIN. HEAT operation that maintains the room temperature at 50 °F (10.0 °C) so as to prevent the room temperature to drop too low.
When you press the button to start the MIN. HEAT operation, the indoor unit emits 1 short beep and the ECONOMY indicator (green) turns on.

Notes:
- In MIN. HEAT operation mode, airflow direction can be adjusted by using SET button. (Except for the SWING)
- 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 22 ft (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

⑧ **FAN button** ✳ ▮

Controls the fan speed.

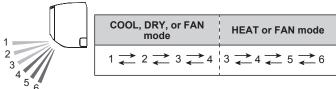AUTO → (AUTO) → (HIGH) → (MED) → (LOW) → (QUIET)

- 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.

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

- The Left/right swing operation will follow the direction as shown on page 2 "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	3 ⇄ 4 ⇄ 5 ⇄ 6

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 ↔ 4 or 3 ↔ 6 is decided according to the airflow direction previously set before starting the swing operation.

⑩ **Vertical SET button** 〉〉 See page 2 ▮

Adjusts the vertical airflow direction.

⑪ **Horizontal SET button** 〉〉 See page 2 ▮

Adjusts the horizontal airflow direction.

⑫ **WEEKLY timer button** 〉〉 See page 7

Activates the WEEKLY timer for a maximum of 4 on or off programs per day, each day of the week.

⑬ **SLEEP timer button** 〉〉 See page 7

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

⑭ **ON/OFF timer button** 〉〉 See page 6

Activates the ON/OFF timer.

⑮ **NEXT button**

Used for adjusting the timer setting.

⑯ **BACK button**

Used for adjusting the timer setting.

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.

RESET ○

⑱ **TEST RUN button** ▮

For service personnel.

⑲ **CLOCK ADJUST button** 〉〉 See page 3

Used for adjusting the clock.

⑳ **SEND button** 〉〉 ✳

Used for sending the timer/clock setting.

㉑ **TIMER SETTING button** 〉〉 See page 6

Used to enter the timer setting mode.

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 **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.

㉕ **SENSOR button (ENERGY SAVING PROGRAM)** 〉〉 See page 8

Activates or deactivates the energy saving program.
* The Energy Saving program 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.

To use this function, use the following steps;

1. Press the START/STOP button until only the clock is displayed.
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.

FC FAN
OFF

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

You can set the ON timer or OFF timer with the following steps.

1. Press the TIMER SETTING button to start the setting.
The WEEKLY indicator will be flashing on the remote controller.

2. Press the SELECT button to choose the desired mode. The mode will change as follows:

WEEKLY → ON/OFF (ON) → ON/OFF (OFF) → ON/OFF (ON⇔OFF) → SLEEP (OFF)

3. Press the NEXT button. Continue to setting for each mode.

* To cancel timer setting during the setting process, press the TIMER SETTING button again.

4. Adjust the time by pressing the SELECT button while the clock indicator is blinking. Each time you press the button, the time will change by +5/-5 minutes. Pressing down will change the time by +10/-10 minutes.

5. Press the SEND button.

To redo the timer setting, perform step 1 to 5 again.
To cancel the ON/OFF timer, press the ON/OFF button while the ON/OFF indicator is on. (Erases the indicator)

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

You can set an integrated ON–OFF or OFF–ON 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

To set the program timer, conduct the same steps 1~5 for the ON/OFF timer. (Select ON⇔OFF in Step 2)

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

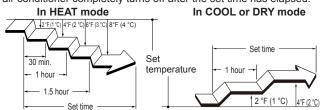To set the SLEEP timer, first follow steps 1~3 for the ON/OFF timer.

4. Adjust the time by pressing the SELECT button while the clock indicator is blinking.
Each time you press the button, the time changes as follows:

0H 30M (30 min.) ↔ 1H 00M ↔ 2H 00M ↔ 3H 00M ↔ 5H 00M ↔ 7H 00M ↔ 9H 00M hours

5. Press the SEND button.

To cancel the SLEEP timer, press the SLEEP button while the SLEEP indicator is on. (Erases the indicator)

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.

In HEAT mode

2 °F (1 °C) 4 °F (2 °C) 6 °F (3 °C) 8 °F (4 °C)
30 min.
1 hour
1.5 hour
Set time

In COOL or DRY mode

Set time
Set temperature
1 hour
2 °F (1 °C) 4 °F (2 °C)

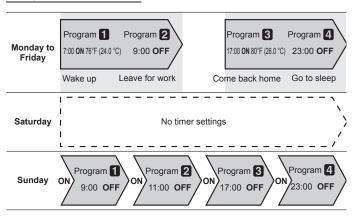(continued)

Timer Operation

WEEKLY timer

ON and OFF timer can be combined, and up to 4 reservations (program **1**~**4**) per day and 28 reservations per week.
Before setting the program, please set the week and time of the air conditioner first.
If the week and time are not set, the weekly timer will not operate correctly at the set time.
Please refer to "remote controller preparation" (page 3).

Example of WEEKLY timer 1

Example of WEEKLY timer 2

You can specify a given temperature in the ON setting in WEEKLY timer.

* You can set the temperature for AUTO, COOL, and DRY modes within the range of 64-88°F (18.0-30.0 °C), for Heat mode the range is 50 or 60-88°F (10.0 or 16.0-30.0 °C).
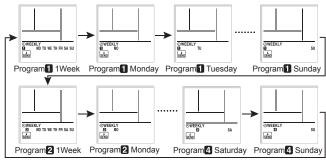Even if you set to 50, 60~63°F (10.0, 16.0~17.5 °C), if you run the product on AUTO, COOL, or DRY, it will run at 64°F (18.0 °C).

Notes:
● Operations modes other than the temperature setting will be the same at the last time operation was stopped, so Cooling → Heating → Cooling → Heating type of operations cannot be automatically set.
● If you set the ON timer and OFF timer on the same time, the air conditioner will run the ON timer. If two ON timer are set at the same time, the air conditioner will run in the order of the program number.
● If there is a power interruption, such as due to a power outage during the WEEKLY timer setting or a circuit breaker cutting out, the internal timer of the air-conditioning will be incorrect. (See page 9 "Auto-restart".) In such a case, the main timer lamp will notify you of this by flashing, so carry out matching of the time and date. (See page 3 "remote controller preparation".)
● You cannot use the WEEKLY timer together with the other timers. If you want to run the product on WEEKLY timer after using the ON/OFF Timer, Program Timer, or SLEEP Timer while the WEEKLY timer is running, you need to activate the WEEKLY timer again.
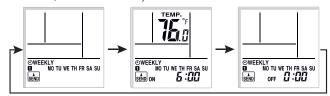
To set the WEEKLY timer, first follow steps 1~3 for the ON/OFF timer.

4. Select the program number and the day using the SELECT button.

Press the NEXT button, when the program number and day you want to set are flashing.

5. Using the SELECT button select the operation mode (ON timer, OFF timer, or without a timer).

⌐ To operate without a timer
1. Press the NEXT button to go back to step 4 and configure the next setting.
2. Press the SEND button to finish

Press the NEXT button.

6. Press the SELECT button to set the desired ON time or OFF time.
⌐ If you selected OFF in step 5
1. Press the NEXT button to go back to step 4 and configure the next setting.
2. Press the SEND button.

Press the NEXT button.

7. Press the SELECT button to set the temperature.
If you want to move on to the next setting, press the NEXT button, return to step 4 and configure the next setting.

8. To complete the setting, press the SEND button.

If you want to cancel the setting midway, please press the TIMER SETTING button instead of pressing the SEND button.

Notes:
● When canceling the WEEKLY timer, select No Timer Operation in Step 5 in the WEEKLY timer setting.
● If you want to go back to the previous step when configuring settings, press the BACK button to return to the previous step.
● Press the SEND button, when you are close to the main unit. If you do so when far from the main unit, the signal may not get properly sent, and the settings may not get properly configured.
● To check the schedule, repeat steps 1 to 3 to enter the WEEKLY timer mode, then use the SELECT button to browse through the WEEKLY timer settings in the order shown in step 4.
● To cancel the WEEKLY timer, press the WEEKLY button while the WEEKLY indicator is on. (Erases the indicator)
● When operating from central control , please do not use the Weekly timer.
● Do not use the weekly timer when using external devices for Centralized control.

Human Sensor (Energy Saving)

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

1. To activate the Energy Saving program, press the SENSOR button. ⌈ENERGY SAVING⌋ indicator will be flashing on the remote controller display.

2. To deactivate the Energy Saving program, press the SENSOR button again. ⌈ENERGY SAVING⌋ will no longer be shown on the remote controller display.
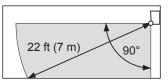
About the ENERGY SAVING Operation

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.)
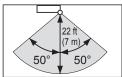
Operation mode	Operating details (if there is no one in the room for a while)
COOL/DRY	The set temperature will be increased by a maximum of approximately 4°F (2°C).
HEAT	The set temperature will be decreased by a maximum of approximately 8°F (4°C).
AUTO	This runs the ENERGY SAVING function automatically for the selected mode (Cooling/ Heating).

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

- Application range is follows.

Vertical angle 90° (Side view) Horizontal angle 100° (Top view)

22 ft (7 m) 90° 22 ft (7 m) 50° 50°

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.

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 88°F (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.

Remote Controller Overview and Operations

■ Remote controller custom code setting

Use the following steps to select the custom code of the remote controller.
(Note that the air conditioner cannot receive a custom code if the air conditioner has not been set for the custom code.)

1. Press the START/STOP button until only the clock is displayed on the remote controller display.
2. Press the MODE button for at least 5 seconds to display the current custom code (initially set to A).
3. Press the SET TEMP. (∧ / ∨) button to change the custom code between A → B → C → D.

   Match the code on the display to the air conditioner custom code.
4. Press the MODE button again to return to the clock display. The custom code will be changed.

A

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

The air conditioner custom code is set to A prior to shipment. Contact your retailer to change the custom code.

The remote controller resets to custom code A when the batteries in the remote controller are replaced. If you use a custom code other than custom code A, reset the custom code after replacing the batteries. If you do not know the air conditioner custom code setting, try each of the custom codes (A → B → C → D) until you find the code which operates the air conditioner.

■ Wired Remote Controller (Option)

The optional wired remote controller can be used.
When you use remote controller, refer to the each wired remote controller operation manual.

[The additional functions for wired remote controller]
- Temperature set back timer

And you can use both wired and wireless remote controller simultaneously. (Only polar 3-core wired remote controller.)
When the restricted functions on the remote controller are used, beeping sound will be heard, OPERATION, TIMER and the ECONOMY indicator of the indoor unit will flash.

[The restricted functions for wireless remote controller]
- Outdoor unit low noise
- Energy saving program
- MIN. HEAT
- Powerful
- Timer operation

General Informations 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.

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.

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.

Operating Tips

- If the air conditioner is used under a temperature higher than those listed in temperature requirements*, the built-in protection circuit will operate to prevent internal circuit damage.
  Also, during cooling and dry modes, if the unit is used under a temperature lower than those listed in temperature requirements*, the heat exchanger may freeze leading to water leakage and other damage.
- *: For outdoor temperature requirements, refer to the outdoor unit installation manual.
- Do not use this unit for any purposes other than the cooling, dehumidifying, and air-circulation of rooms in ordinary dwellings.
- If the unit is used for long periods under high-humidity conditions, condensation may form on the surface of the indoor unit, and drip onto the floor or other objects underneath. (About 80% or more)

Temperature and Humidity Range

Permissible ranges of temperature and humidity are as follows:

COOL/DRY	Indoor temperature	About 18 °C to 32 °C
	Indoor humidity	Below approximately 80%. If the air conditioner is used continuously for many hours, water may condense on the surface and drip.
HEAT	Indoor temperature	About 16 °C to 30 °C

If the unit is used under higher temperature conditions than those noted here, the automatic protection circuit may operate, interrupting the operation. If the unit is used under lower temperature conditions than those noted here, the heat exchanger may freeze, causing water leakage or other malfunction.

- 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.

Cleaning and Care

> ⚠ **CAUTION**
>
> ❗ • Before cleaning the indoor unit, be sure to turn it off and all the power supply has been disconnected.
> • 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.
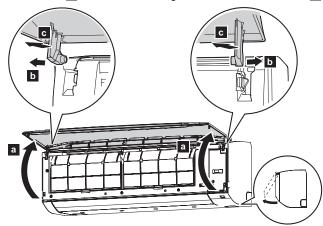> • Do not expose the indoor unit to liquid insecticides or hair sprays.

Daily care

When cleaning the indoor unit body, mind the following:
- Do not use water hotter than 104°F (40°C).
- Do not use scouring cleanser, volatile solvents such as benzene or thinner.
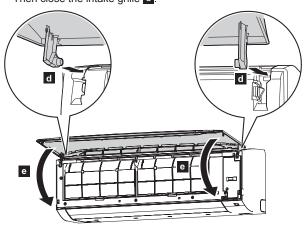- Wipe the unit gently by using soft cloth.

Cleaning the intake grille

1. Open the intake grille in direction of the arrow **a**. While gently pressing the left and right mounting shafts of the intake grille outward **b**, remove the intake grille in direction of the arrow **c**.
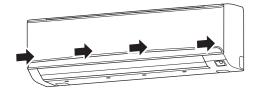

2. Wash the intake grille gently with water or wipe it gently with a soft cloth moisten with warm water.

   Then wipe it with a dry and soft cloth.

3. While holding the grille horizontal, set the left and right mounting shafts into the pillow blocks at the top of the panel **d**. To latch each shaft properly, insert the shaft until it snaps.

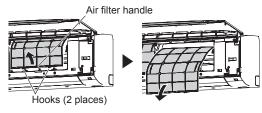   Then close the intake grille **e**.

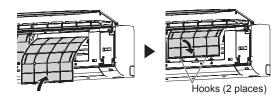4. Press 4 places on the intake grille to close it completely.

Cleaning the air filters

1. Open the intake grille, and remove the air filters.
   Lift up the air filter's handle, disconnect the two lower tabs, and pull out.

   Air filter handle

   Hooks (2 places)

2. Remove dust with a vacuum cleaner or by washing.
   After washing, allow to dry thoroughly in a shaded place.

3. Replace the air filter and close the intake grille.
   (1) Align the sides of the air filter with the panel, and push in fully, making sure the two lower tabs are returned properly to their holes in the panel.
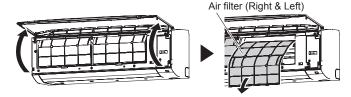

   Hooks (2 places)

   (2) Close the intake grille.

- Dust can be cleaned from the air filter either with a vacuum cleaner, or by washing the filter in a solution of mild detergent and warm water. If you wash the filter, be sure to allow it to dry thoroughly in a shady place before reinstalling.
- If dirt is allowed to accumulate on the air filter, airflow will be reduced, lowering operating efficiency and increasing noise.
- During periods of normal use, the air filters should be cleaned every two weeks.
- Do not operate the air conditioner with the intake grille open.
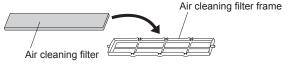
Cleaning and Care (continued)

Air cleaning filter installation
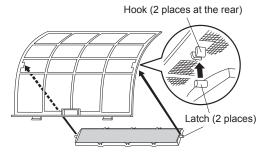
1 Open the intake grille and remove the air filters.

Air filter (Right & Left)

2 Install the air cleaning filter set (set of 2).

(1) Set the air cleaning filter into the air cleaning filter frame.
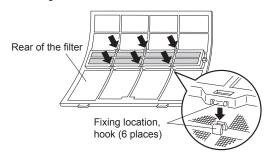
Air cleaning filter frame

Air cleaning filter

(2) Engage the latch at both ends of the filter with the two hooks at the rear of the air cleaning filter frame.

Hook (2 places at the rear)

Latch (2 places)

Take care that the air cleaning filter does not project beyond the frame.

(3) Engage the six fixing locations at the top and bottom of the air cleaning filter frame with the hooks of the air filter.

Rear of the filter

Fixing location, hook (6 places)

3 Install the two air filters and close the intake grille.

• When air cleaning filters are used, the effect will increased by setting the fan speed to "HIGH".

Replacing dirty air cleaning filters

Replace filters with the following components (purchased separately).

• APPLE-CATECHIN FILTER: UTR-FA13-1
• ION DEODORIZATION FILTER: UTR-FA13-2

1 Open the intake grille and remove the air filters.

2 Replace them by two new air cleaning filters.

(1) Remove the old air cleaning filters in reverse order of their installation.

(2) Install in the same way as for installation of the air cleaning filter set.

3 Install the two air filters and close the intake grille.

[In regard to the air cleaning filters]

APPLE-CATECHIN FILTER (1 sheet)

• The filters are disposable filters. (They can not be washed and reused.)
• For storage of the filters, use the filters as soon as possible after the package has been opened.
  (The air cleaning effect decreases when the filters are left in the opened package)
• Generally, the filters should be exchanged about every 3 months.

Please buy dedicated APPLE-CATECHIN FILTER (UTR-FA13-1) (Sold separately) to exchange the used dirty air cleaning filters.

ION DEODORIZATION FILTER (1 sheet) - light blue

• The filters should be exchanged about every 3 years so as to maintain the deodorizing effect.

Please buy dedicated ION DEODORIZATION FILTER (UTR-FA13-2) (Sold separately) when exchanging the filters.

[Maintenance of ION DEODORIZATION FILTER]

In order to maintain the deodorizing effect, please clean the filter in the following way every 3 months.

1. Remove the filter.
2. Clean with water and dry in the air.
   (1) Flush the filters with high-pressure hot water until the surface of the filters are covered with water. Please flush with diluent neutral detergent.
   (Never wash by reaming or rubbing, otherwise it will damage the deodorizing effect.)
   (2) Rinse with water flow.
   (3) Dry in shade.
3. Reinstall the filter.

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 throughly 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.

Troubleshooting

⚠️ **WARNING**

In following events, immediately stop operation of the air conditioner, and disconnect all the power supply by turning off the electrical breaker or disconnecting the power plug. Then consult your dealer or authorized service personnel.
As long as the unit is connected to the power supply, it is not insulated from the power supply even if the unit is turned off.
• Unit smells of something burning or emits smoke
• Water leaks from the unit

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

Symptom	Cause	See page
Operation is delayed after restart.	To prevent blowout of the fuse, the compressor will not operate during the protection circuit is working for about 3 minutes after sudden OFF→ON operation of the power supply.	–
Noise is heard.	• During the operation or immediately after stopping the air conditioner, refrigerant flowing sound may be heard. And it is 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
Smell coming from the unit.	Absorbed room smell generated from interior textile, furniture, or cigarette smoke into the air conditioner may be emitted.	–
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 stops and rising steam generated by the automatic defrosting operation may be seen.	9
Airflow is weak or stops.	• Immediately after the heating operation is started, the fan speed stays temporarily very low 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.	–
	If the "fan control for energy-saving" is set, in the COOL mode, the indoor unit fan may stop from time to time when the outdoor unit is stopped.	5
	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

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

Symptom	Diagnostic	See page
Does not operate at all.	☐ Has the circuit breaker been turned off? ☐ Has there been a power outage? ☐ Has a fuse blown out or the circuit breaker been tripped?	–
	☐ Is the timer operating?	6
Poor cooling or heating performance.	☐ Is the air filter dirty?	10
	☐ Is the intake grill or outlet port of indoor unit blocked?	–
	☐ Is the room temperature adjusted appropriately?	4
	☐ Is a window or door left opened? ☐ Is direct or strong sunlight shinning into the room in cooling operation? ☐ Are there other heating apparatus or computers operating, or too many people in the room in cooling operation?	–
	☐ 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.	5
	☐ Has the OUTDOOR UNIT LOW NOISE mode been set?	5
The unit operates differently from the remote controller setting.	☐ Are the batteries used in the remote controller exhausted? ☐ 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.