

DAIKIN

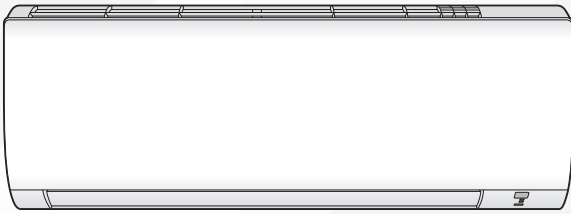
English

Français

Español

DAIKIN ROOM AIR CONDITIONER

OPERATION MANUAL



INVERTER

Enjoy year-round comfort.

MODELS

FTK09NMVJU

FTK12NMVJU

FTK18NMVJU

FTK24NMVJU

FTKN09NMVJU

FTKN12NMVJU

FTKN18NMVJU

FTKN24NMVJU

Features

Enhanced comfort and energy savings



COMFORT AIRFLOW

The airflow direction is upward while in COOL operation. This function prevents cold air from blowing directly on your body. ▶ [Page 15](#)



ECONO




This function enables efficient operation by limiting the maximum power consumption. It is useful when using the air conditioner and other electrical devices simultaneously on a shared electrical circuit. ▶ [Page 16](#)

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Safety Considerations

- Read these **Safety Considerations** for operation carefully before installing air conditioning equipment. After completing the installation, make sure that the unit operates properly during the startup operation. Instruct the customer on how to operate and maintain the unit. Inform customers that they should store this operation manual with the installation manual for future reference. Meanings of **DANGER**, **WARNING**, and **CAUTION** Symbols:

 **DANGER** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

 **WARNING** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

 **CAUTION** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

DANGER

- For refrigerant leakage, consult your dealer. Refrigerant gas is heavier than air and replaces oxygen. A massive leak could lead to oxygen depletion, especially in basements, and an asphyxiation hazard could occur leading to serious injury or death.
- Refrigerant gas may produce a toxic gas if it comes in contact with fire such as from a fan heater, stove or cooking device. Exposure to this gas could cause severe injury or death.
- Any abnormalities in the operation of the air conditioner such as smoke or fire could result in severe injury or death. Turn off the power and contact your dealer immediately for instructions.
- Do not install the unit in an area where flammable materials are present due to risk of explosion resulting in serious injury or death.
- If equipment utilizing a burner is used in the same room as the air conditioner, there is the danger of oxygen deficiency which could lead to an asphyxiation hazard resulting in serious injury or death. Be sure to ventilate the room sufficiently to avoid this hazard.
- Safely dispose of the packing materials. Packing materials, such as nails and other metal or wooden parts, may cause stabs or other injuries. Tear apart and throw away plastic packaging bags so that children will not play with them. Children playing with plastic bags face the danger of death by suffocation.

WARNING

- Do not put your finger or other objects into the air outlet or inlet as the fan is rotating at high speed and could cause injury. Always keep small children away from the unit during operation.
- Do not attempt to repair, relocate, modify or reinstall the air conditioner by yourself. Incorrect work or modifications could cause electric shocks, fire or other damage. For repairs and reinstallation, consult your Daikin dealer for advice and information.
- Do not use a refrigerant other than the one indicated on the outdoor unit (R410A) when installing, moving or repairing. Using other refrigerants may cause trouble or damage to the unit, and personal injury.
- Do not operate the air conditioner with wet hands.
- If the air conditioner is not cooling properly, the refrigerant may be leaking, contact your authorized dealer or qualified service repairman. When making repairs which requires adding refrigerant, consult with your authorized dealer or qualified service repairman.
- Do not attempt to install the air conditioner by yourself. Improper installation could result in water leakage, electric shocks or fire. For installation, consult your authorized dealer or a qualified technician.

CAUTION

- The air conditioner must be grounded. Improper grounding may result in electric shocks. Do not connect the grounding wire to a gas pipe, water pipe, lightning rod, or a telephone ground line. Follow all local and state electrical codes.
- Do not use this unit for cooling precision instruments, food, plants, animals or works of art.
- Never expose little children, plants or animals directly to the airflow.
- Do not block air inlets nor outlets. Impaired airflow may result in poor performance or equipment problems.
- Do not stand, sit, or place objects on the outdoor unit. To avoid injury, do not remove the fan guard.
- Do not place anything under the indoor or outdoor unit that must be kept away from moisture, such as electrical or electronic equipment. In certain conditions, moisture in the air may condense and drip.
- Check the unit stand and fittings for damage annually.
- Do not touch the air inlet and aluminum fins of outdoor unit. It may cause injury and/or damage the heat transfer surface.
- This appliance is NOT intended for use by young children or impaired persons without proper supervision.

- Young children should be supervised to ensure that they DO NOT play with or near the airflow of this appliance.
- Do not pull at the conduit or hang anything on it. Otherwise it will cause fire or electric shock.
- Do not touch the heat exchanger fins. Improper handling may result in injury.
- Do not turn off the power immediately after stopping operation. Always wait at least 5 minutes before turning off the power to avoid water leakage or other problems.
- Do not wash the indoor unit with excessive water, only use a slightly wet cloth.
- Do not place things such as vessels containing water or anything else on top of the unit. Water may penetrate into the unit and degrade electrical insulations, resulting in an electric shock.
- To avoid personal injury or equipment damage be sure to stop the operation, turn off the circuit breaker or pull out the supply cord before cleaning or servicing the unit. NOTE: More than one disconnect may be required to shut off all power.
- Do not connect the air conditioner to a power supply different from the one specified. It may cause improper operation or fire.
- Depending on the environment, state and local electrical codes, a ground fault circuit interrupter may be required. Improper grounding or lack of a ground fault circuit interrupter may result in electrical shock, injuries, or death.
- It is recommended to install a ground fault circuit interrupter if one is not already available. This helps prevent electrical shocks or fire.
- Arrange the drain hose to ensure smooth drainage. Improper drainage may cause water damage to the building, or its furnishing.
- Depending on the usage environment, water may leak from the air conditioner. If this happens, contact your Daikin dealer.
- The remote controller should be installed in such way that children cannot play with it.
- Do not place objects in direct proximity of the outdoor unit and do not let leaves and other debris accumulate around the unit.
Leaves attract small animals which can enter the unit. Once in the unit, such animals can cause malfunctions, smoke or fire when making contact with electrical parts.

Installation site

- Operate the air conditioner in a sufficiently ventilated area and not surrounded by obstacles. Do not use the air conditioner in the following places:
 - a. Places with a mist of mineral oil, such as cutting oil.
 - b. Locations such as coastal areas where there is a lot of salt in the air.
 - c. Locations such as hot springs where there is a lot of sulfur in the air.
 - d. Locations such as factories where the power voltage varies a lot.
 - e. In cars, boats, and other vehicles.
 - f. Locations such as kitchens where oil may splatter or where there is steam in the air.
 - g. Locations where equipment produces electromagnetic waves.
 - h. Places with an acid or alkaline mist.

Consider the nuisance of noise to your neighbors

- Pay Attention to Operating Sound. Be sure to use the following places:
 - a. Places that can sufficiently withstand the weight of the air conditioner yet can suppress the operating sound and vibration of the air conditioner.
 - b. Places where warm air from the air outlet of the outside unit or the operating sound of the outside unit does not annoy neighbors.
Make sure that there are no obstacles close to the outside unit. Obstacles close to the outside unit may drop the performance of the outside unit or increase the operating sound of the outside unit. Consult your dealer if the air conditioner in operation generates unusual sounds.

Electrical work

- For power supply, be sure to use a separate power circuit dedicated to the air conditioner.

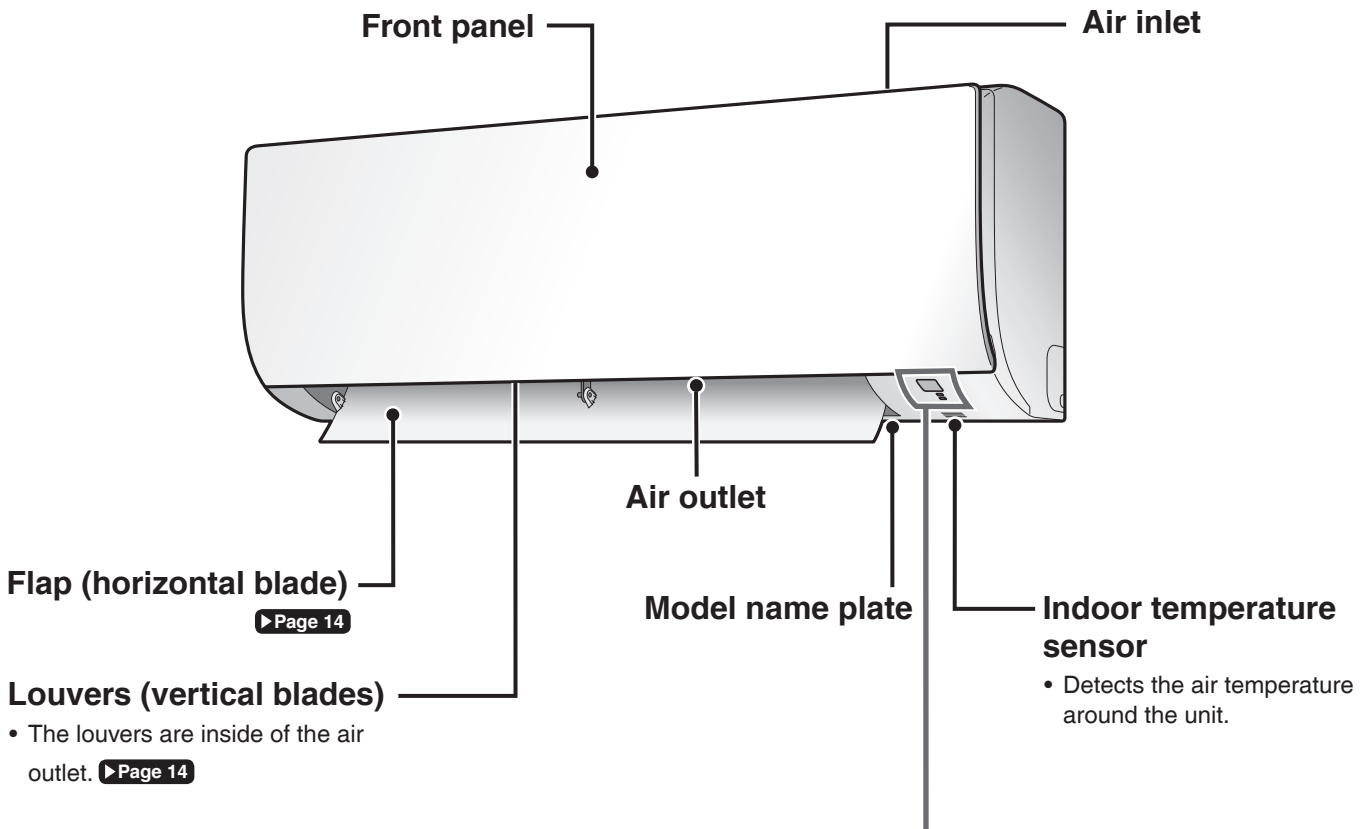
System relocation

- Relocating the air conditioner requires specialized knowledge and skills. Please consult the dealer if relocation is necessary for moving or remodeling.

Names of Parts

FTK09NMVJU / FTK12NMVJU / FTKN09NMVJU / FTKN12NMVJU

Indoor Unit

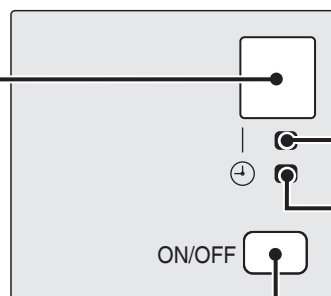


Display

Signal receiver

- Receives signals from the remote controller.
- When the unit receives a signal, you will hear a beep sound.

| Case | Sound type |
|-----------------|------------|
| Operation start | beep-beep |
| Setting changed | beep |
| Operation stop | long beep |



OPERATION lamp (green)

TIMER lamp (orange)

▶Page 17,18

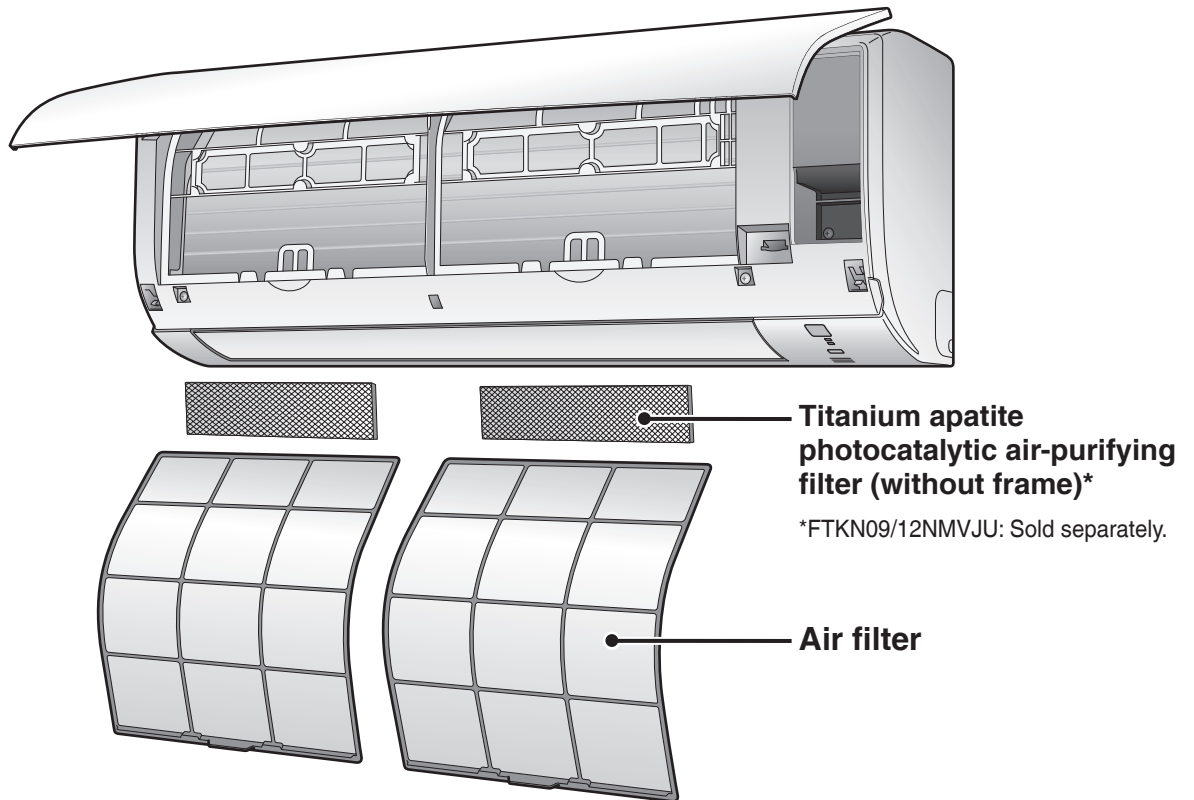
Indoor unit ON/OFF switch

- Press this switch once to start operation. Press once again to stop it.
- For the operation mode setting, refer to the following table.

| Mode | Temperature setting | Airflow rate |
|------|---------------------|--------------|
| COOL | 72°F (22°C) | AUTO |

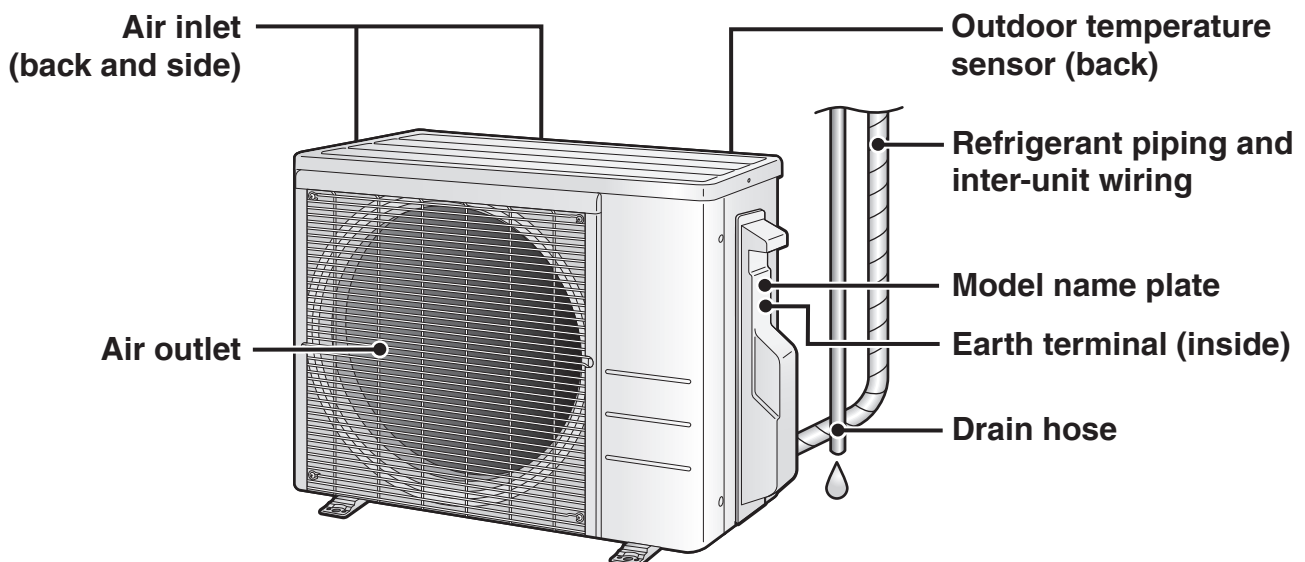
- This switch can be used when the remote controller is missing.

■ Open the front panel



Outdoor Unit

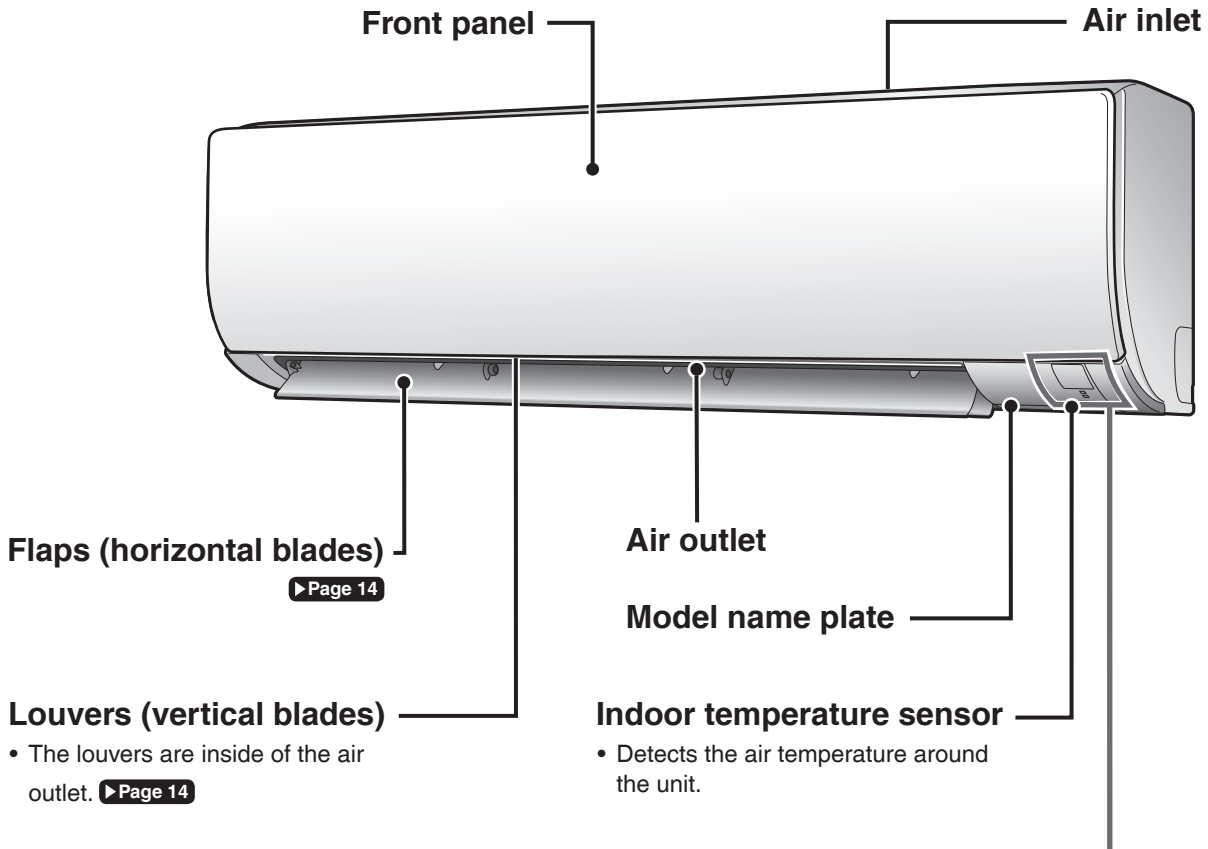
- The appearance of the outdoor unit may differ between different models.



Names of Parts

FTK18NMVJU / FTK24NMVJU / FTKN18NMVJU / FTKN24NMVJU

Indoor Unit

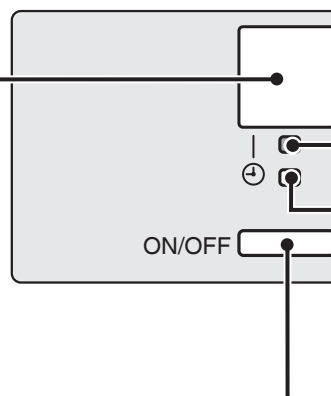


Display

Signal receiver

- Receives signals from the remote controller.
- When the unit receives a signal, you will hear a beep sound.

| Case | Sound type |
|-----------------|------------|
| Operation start | beep-beep |
| Setting changed | beep |
| Operation stop | long beep |



OPERATION lamp (green)

TIMER lamp (orange)

▶ Page 17,18

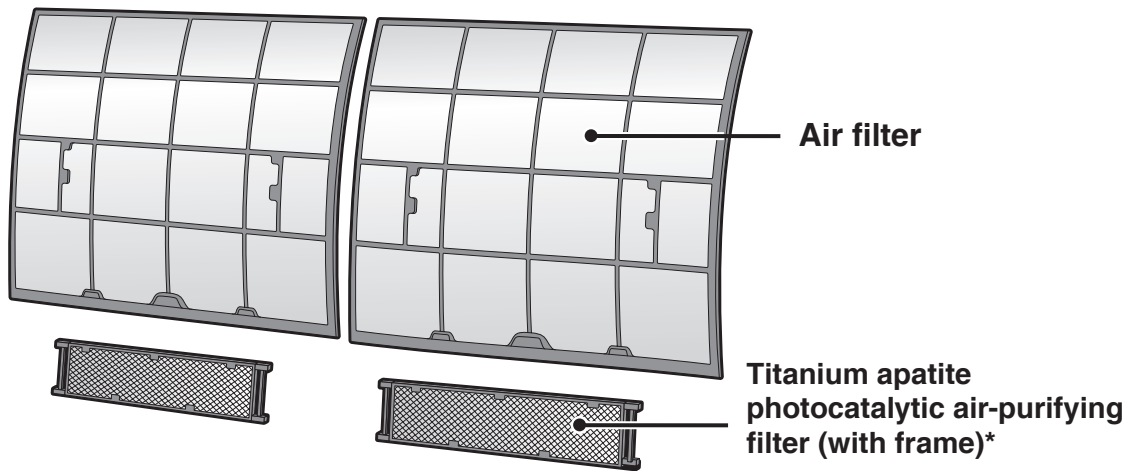
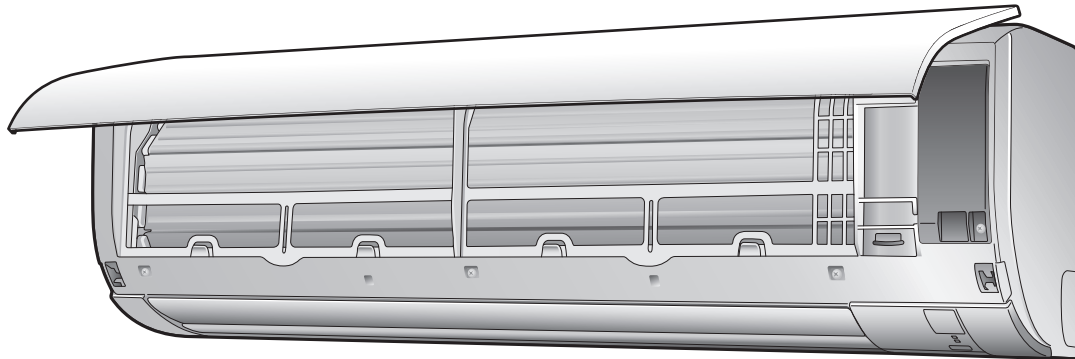
Indoor unit ON/OFF switch

- Press this switch once to start operation. Press once again to stop it.
- For the operation mode setting, refer to the following table.

| Mode | Temperature setting | Airflow rate |
|------|---------------------|--------------|
| COOL | 72°F (22°C) | AUTO |

- This switch can be used when the remote controller is missing.

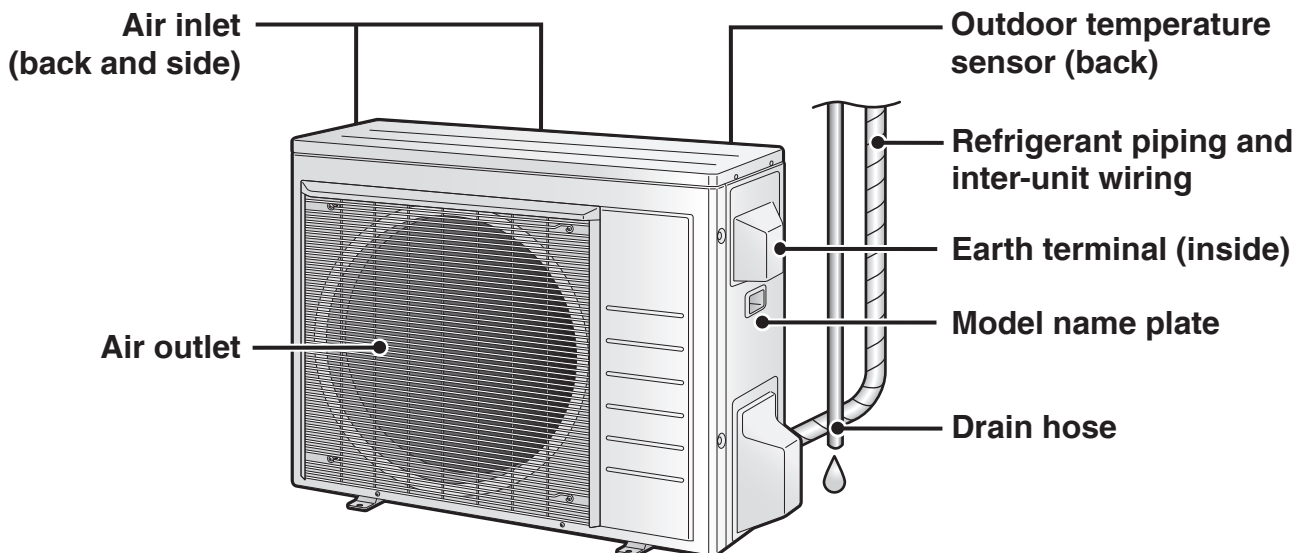
■ Open the front panel



*FTKN18/24NMVJU: Sold separately.

Outdoor Unit

• The appearance of the outdoor unit may differ between different models.



Names of Parts

Remote Controller

Display (LCD)

- Displays the current settings. (In this illustration, each section is shown with its displays on for the purpose of explanation.)

Direct operation buttons

- Starts the COOL, DRY or FAN ONLY operation. ▶Page 11

TEMPERATURE adjustment button

- Changes the temperature setting. ▶Page 12

COMFORT button

- COMFORT AIRFLOW operation. ▶Page 15

POWERFUL button

- POWERFUL operation. ▶Page 15

OFF TIMER button (NIGHT SET mode)

▶Page 18

ON TIMER button

▶Page 17

Signal transmitter



Receiver

- To use the remote controller, aim the transmitter at the indoor unit. If there is anything blocking the signals between the unit and the remote controller, such as a curtain, the unit may not operate.
- The maximum transmission distance is about 23ft (7m).

OFF button

- Stops the operation. ▶Page 12

FAN setting button

- Selects the airflow rate setting. ▶Page 13

ECONO button

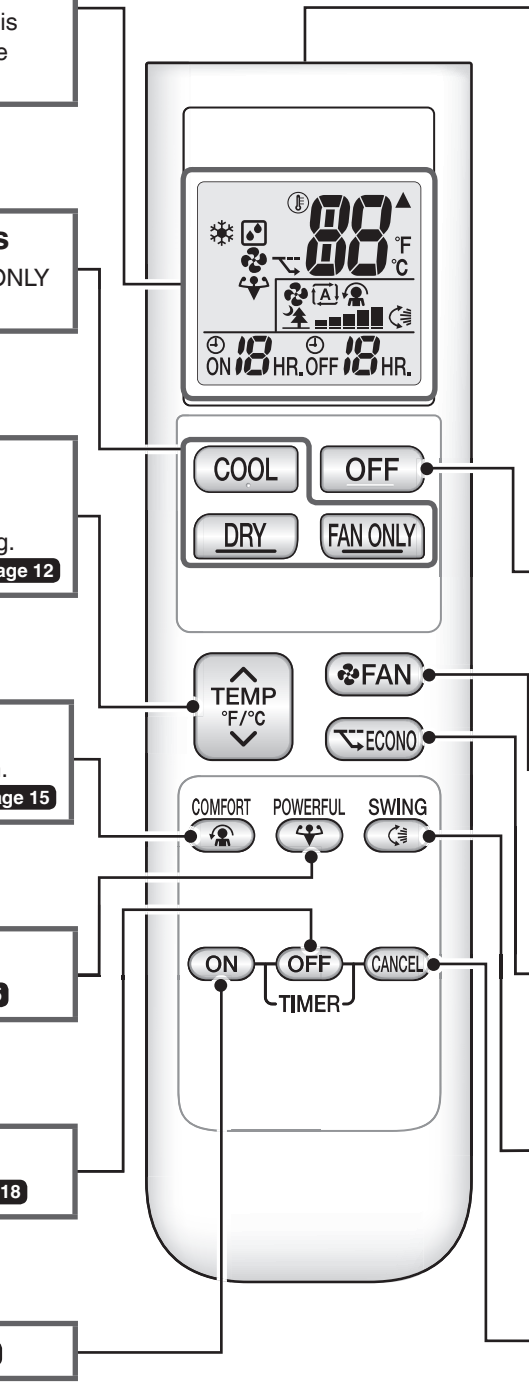
- ECONO operation. ▶Page 16

SWING button

- Adjusts the airflow direction. ▶Page 14

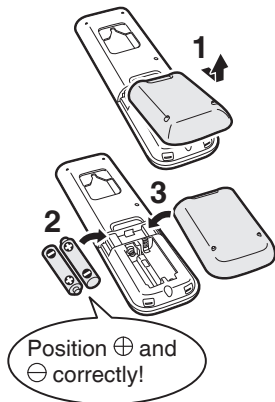
TIMER CANCEL button

- Cancels the timer setting. ▶Page 17,18



| Unit | Remote Controller | |
|----------------------|-------------------|-------------------|
| FTK09/12/18/24NMVJU | ARC480A9 | with backlight |
| FTKN09/12/18/24NMVJU | ARC480A7 | without backlight |

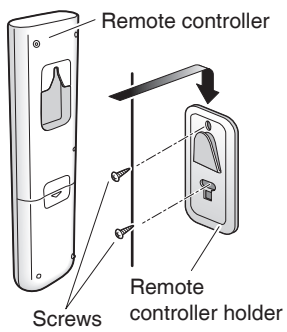
Preparation Before Operation



To insert the batteries

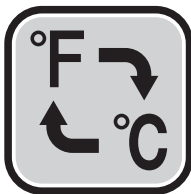
- 1.** Remove the back cover by sliding and then slightly lifting it.
- 2.** Insert 2 dry batteries AAA.LR03 (alkaline).
- 3.** Replace the back cover.

To fix the remote controller holder to a wall



- 1.** Choose a place where the signals reach the unit.
- 2.** Attach the holder to a wall, a pillar, or similar location with the screws supplied with the holder.
- 3.** Hang the remote controller on the remote controller holder.

Fahrenheit/Celsius display switch



- ▶ Press  and  (TIMER button) simultaneously for about 5 seconds.

- The temperature will be displayed in Celsius when it is presently displayed in Fahrenheit, and vice versa.
- The switch operation is only possible when the temperature is being displayed.

Turn on the circuit breaker

- After the power is turned on, the flap of the indoor unit opens and closes once to set the reference position.

NOTE

Notes on batteries

- When replacing the batteries, use batteries of the same type, and replace both old batteries together.
- The batteries will last for about 1 year. If the remote controller display begins to fade and the possible transmission range becomes shorter within a year, however, replace both batteries with new, size AAA.LR03 (alkaline).
- The batteries supplied with the remote controller are for initial operation. The batteries may run out in less than 1 year.

Note on remote controller

- Do not drop the remote controller. Do not get it wet.

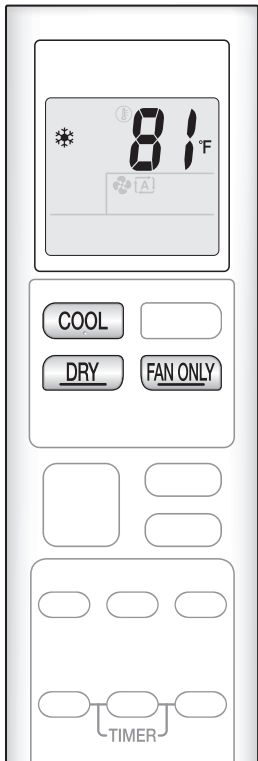
Fahrenheit/Celsius display change function of remote controller

- The set temperature may increase when the display is changed to Celsius from Fahrenheit, because a fraction of 0.5°C is rounded up.
- Example: A set temperature of 65°F (equivalent to 18.5°C) will be converted into 19°C.
When the display is changed to Fahrenheit again, the set temperature will be converted into 66°F (equivalent to 19°C) instead of the original set temperature (65°F) but a set temperature of 66°F (equivalent to 19°C) will be converted into 19°C with no temperature change.
- A reception sound will go off for the transmission of set temperature to the indoor unit at the time of setting the Fahrenheit/Celsius display change function.



COOL · DRY · FAN ONLY Operation

The air conditioner operates with the operation mode of your choice.



To start operation

COOL operation

- To lower the temperature.

Press .



DRY operation

- To lower the humidity.

Press .



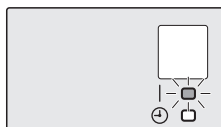
FAN ONLY operation

- To circulate air in the room.

Press .



- The OPERATION lamp lights green.

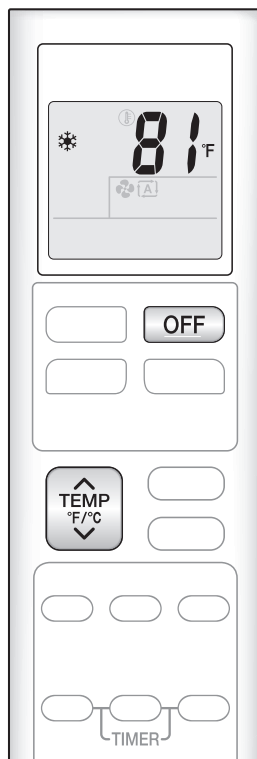


Display

NOTE

Note on DRY operation

- Eliminates humidity while maintaining the indoor temperature as much as possible. It automatically controls temperature and airflow rate, so manual adjustment of these functions is unavailable.



To stop operation

Press **OFF** .

- The OPERATION lamp goes off.

To change the temperature setting

Press **TEMP °F/°C** .

- Press **▲** to raise the temperature and press **▼** to lower the temperature.

| COOL operation | DRY or FAN ONLY operation |
|-------------------|--|
| 64-90°F (18-32°C) | The temperature setting cannot be changed. |

Tips for saving energy

Keeping the temperature setting at a moderate level helps save energy.

- Recommended temperature setting
 - For cooling: 78-82°F (26-28°C)

Cover windows with a blind or a curtain.

- Blocking sunlight and air from outdoors increases the cooling effect.

Keep the air filters clean.

- Clogged air filters cause inefficient operation and waste energy. Clean them once every 2 weeks. [▶ Page 20, 23](#)

If you are not going to use the air conditioner for a long period, for example in spring or autumn, turn off the circuit breaker.

- The air conditioner always consumes a small amount of electricity even while it is not operating.





Adjusting the Airflow Rate

You can adjust the airflow rate to increase your comfort.

To adjust the airflow rate setting

Press **FAN**.

- Each pressing of **FAN** changes the airflow rate setting in sequence.



- When the airflow is set to “”, quiet operation starts and noise from the indoor unit will become quieter.
- In the quiet operation mode, the airflow rate is set to a weak level.

| COOL and FAN ONLY operation | | | DRY operation |
|-----------------------------|--|--|---|
| | | | The airflow rate setting cannot be changed. |



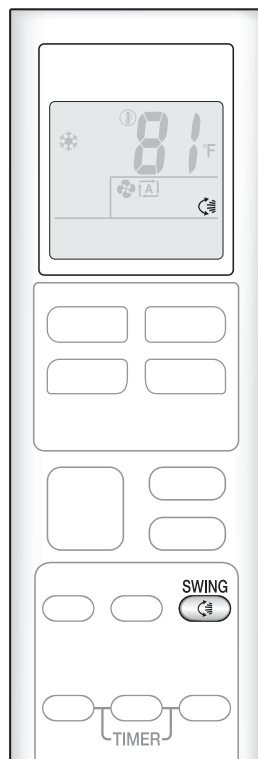
NOTE

Note on airflow rate setting

- At smaller airflow rates, the cooling effect is also smaller.



Adjusting the Airflow Direction



You can adjust the airflow direction to increase your comfort.


⚠ CAUTION

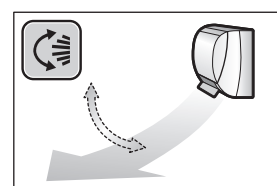
- Always use a remote controller to adjust the angles of the flap. Moving the flap forcibly by hand may cause a malfunction.
- Be careful when adjusting the louvers. Inside the air outlet, a fan is rotating at a high speed.

To start auto swing

Up and down airflow direction

➤ Press **SWING** .

- “” is displayed on the LCD.
- The flap (horizontal blade) will begin to swing.



To set the flap at the desired position

- This function is effective while the flap is in auto swing mode.

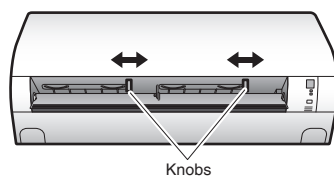
➤ Press **SWING**  when the flap reaches the desired position.

- “” disappears from the LCD.

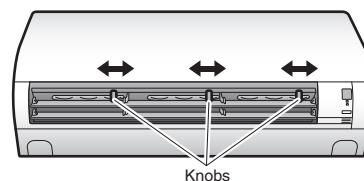
To adjust the louvers at desired position

➤ Hold the knobs and move the louvers (vertical blades).

FTK09NMVJU / FTK12NMVJU
FTKN09NMVJU / FTKN12NMVJU



FTK18NMVJU / FTK24NMVJU
FTKN18NMVJU / FTKN24NMVJU

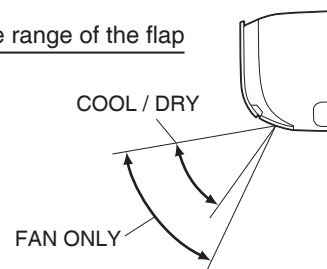


NOTE

Notes on airflow direction setting

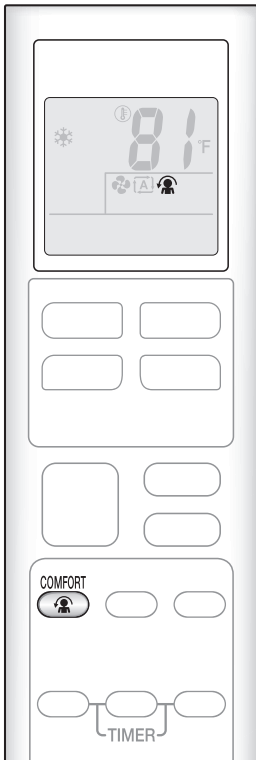
- The movable range of the flap varies according to the operation mode.
- The flap will stop at the upper position when the airflow rate is changed to low during the up and down swing setting.

Movable range of the flap





COMFORT AIRFLOW Operation



The air direction and flow rate are adjusted so that the air will not blow directly at people in the room.

To start COMFORT AIRFLOW operation

Press  .


- “” is displayed on the LCD.

| | COOL and DRY operation |
|----------------|------------------------|
| Flap direction | Goes up |
| Airflow rate | AUTO |

- Not available in FAN ONLY mode.

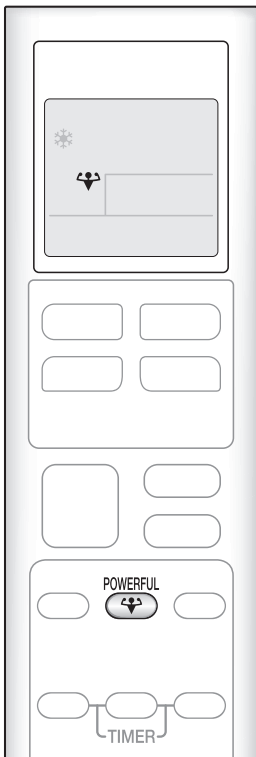
To cancel COMFORT AIRFLOW operation

Press  again.

- “” disappears from the LCD.
- The flap will return to the memory position from before COMFORT AIRFLOW operation.




POWERFUL Operation



POWERFUL operation quickly maximizes the cooling effect in any operation mode. In this mode, the air conditioner operates at maximum capacity.

To start POWERFUL operation

Press  .

- “” is displayed on the LCD.
- POWERFUL operation ends in 20 minutes. Then the system automatically operates again with the previous settings which were used before POWERFUL operation.

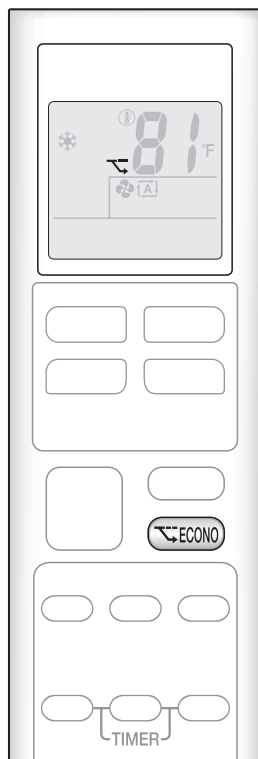
To cancel POWERFUL operation

Press  again.

- “” disappears from the LCD.



ECONO Operation




ECONO operation enables efficient operation by limiting the maximum power consumption.

This function is useful to prevent the circuit breaker from tripping when the unit operates alongside other appliances on the same circuit.

To start ECONO operation

Press .

- “” is displayed on the LCD.
- Not available in FAN ONLY mode.

To cancel ECONO operation

Press  again.



- “” disappears from the LCD.

NOTE

Note on COMFORT AIRFLOW operation

- If the up and down airflow direction is selected, the COMFORT AIRFLOW operation will be canceled.

Notes on POWERFUL operation

- Pressing  causes the settings to be canceled, and “” disappears from the LCD.
- POWERFUL operation will not increase the capacity of the air conditioner if the air conditioner is already in operation with its maximum capacity demonstrated.

- In COOL operation

To maximize the cooling effect, the capacity of outdoor unit increases and the airflow rate becomes fixed at the maximum setting. The temperature setting cannot be changed.



- In DRY operation

The temperature setting is lowered by 4.5°F (2.5°C) and the airflow rate is slightly increased.

- In FAN ONLY operation

The airflow rate is fixed at the maximum setting.

Notes on ECONO operation

- Pressing  causes the settings to be canceled, and “” disappears from the LCD.
- If the power consumption level is already low, switching to ECONO operation will not reduce the power consumption.

Some useful functions can be used together.

| | |
|----------------------------|----------------|
| COMFORT AIRFLOW + ECONO | Available |
| POWERFUL + COMFORT AIRFLOW | Not available* |
| POWERFUL + ECONO | Not available* |

*Priority is given to the function of whichever button is pressed last.



ON/OFF TIMER Operation

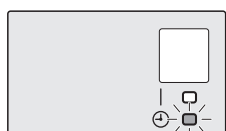
Timer functions are useful for automatically switching the air conditioner on or off at night or in the morning. You can also use the ON TIMER and OFF TIMER together.

To use ON TIMER operation

Press **ON**.



- Each pressing of **ON** advances the time setting by 1 hour. The time can be set between 1 and 12 hours.
- The TIMER lamp lights orange.

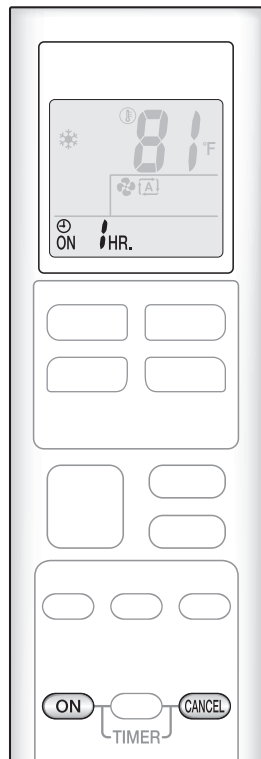


Display

To cancel ON TIMER operation

Press **CANCEL**.

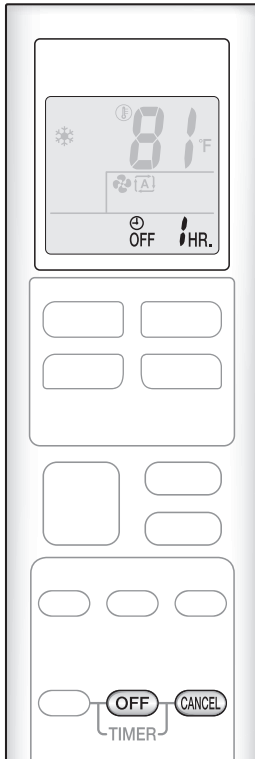
- "ON 1HR." disappears from the LCD.
- The TIMER lamp goes off.



NOTE

In the following cases, set the timer again.

- After the circuit breaker has turned off.
- After a power failure.
- After replacing the batteries in the remote controller.

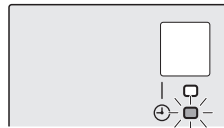


To use OFF TIMER operation

Press **OFF** .

 "OFF 1HR." is displayed on the LCD.

- Each pressing of **OFF** advances the time setting by 1 hour. The time can be set between 1 and 12 hours.
- The TIMER lamp lights orange.



Display

To cancel OFF TIMER operation

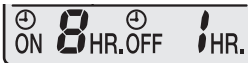
Press **CANCEL** .

- "OFF 1HR." disappears from the LCD.
- The TIMER lamp goes off.

To combine ON TIMER and OFF TIMER operation

- A sample setting for combining the 2 timers is shown below.
- "ON" and "OFF" are displayed on the LCD.

[Example]



When setting while the unit is operating

- Stops the unit 1 hour later and starts it 7 hours after that.



When setting while the unit is stopped

- Starts the unit 2 hours later and stops it 3 hours after that.

NOTE

NIGHT SET mode

- When the OFF TIMER is set, the air conditioner automatically adjusts the temperature setting (0.9°F (0.5°C) up in COOL) to prevent excessive cooling during sleeping hours.

Care and Cleaning

FTK09NMVJU / FTK12NMVJU / FTKN09NMVJU / FTKN12NMVJU

⚠ CAUTION

- Before cleaning, be sure to stop the operation and turn off the circuit breaker.
- Do not touch the aluminium fins of the indoor unit. If you touch those parts, this may cause an injury.

■ Quick reference

Cleaning parts

Front panel

- Wipe it with a soft damp cloth.
- Only neutral detergent may be used.

If dirty



Air filter

- Vacuum dust or wash the filter.

Once every 2 weeks

▶ Page 20

Indoor unit, outdoor unit and remote controller

- Wipe them with a soft cloth.

If dirty

Titanium apatite photocatalytic air-purifying filter (without frame)*

- Vacuum dust or replace the filter.

[Cleaning]

Once every 6 months

▶ Page 21

[Replacement]

Once every 3 years

▶ Page 21

*FTKN09/12NMVJU: Sold separately.

NOTE

For cleaning, do not use any of the following:

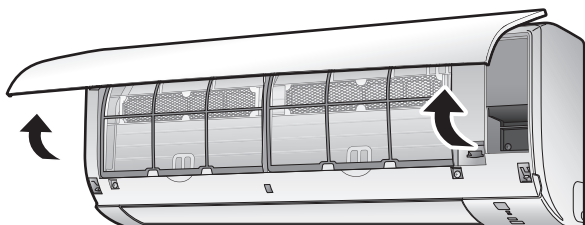
- Water hotter than 104°F (40°C)
- Volatile liquid such as benzene, petrol and thinner
- Polishing compounds
- Rough materials such as a scrubbing brush



■ Air filter

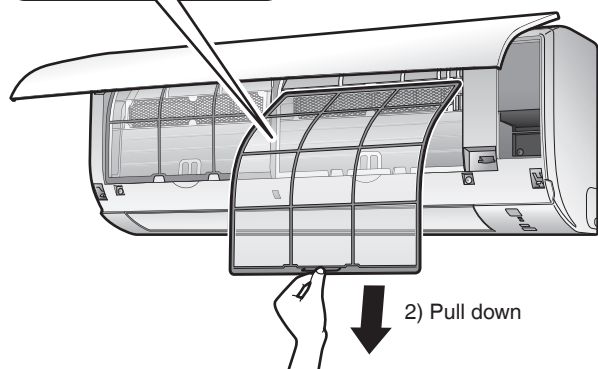
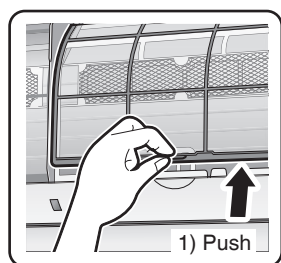
1. Open the front panel.

- Hold the front panel by the sides and open it.



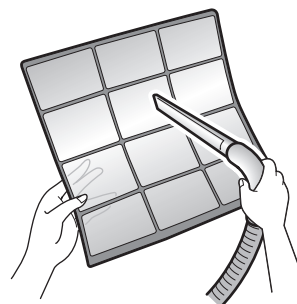
2. Pull out the air filters.

- Push the filter tab at the center of each air filter a little upwards, then pull it down.



3. Wash the air filters with water or clean them with vacuum cleaner.

- It is recommended to clean the air filters every 2 weeks.



If the dust does not come off easily

- Wash the air filters with neutral detergent thinned with lukewarm water, then dry them up in the shade.



4. Reattach the filters.

5. Close the front panel slowly.

- Press the panel at both sides and the center.



- Make sure that the front panel is securely fixed.

Care and Cleaning

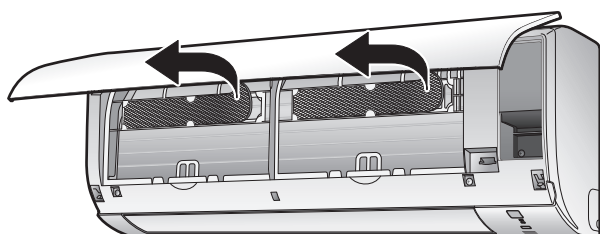
FTK09NMVJU / FTK12NMVJU / FTKN09NMVJU / FTKN12NMVJU

■ Titanium apatite photocatalytic air-purifying filter

1. Open the front panel and pull out the air filters. ▶Page 20

2. Take off the titanium apatite photocatalytic air-purifying filters.

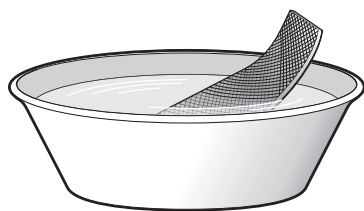
- Remove the filters from the tabs.



3. Clean or replace the titanium apatite photocatalytic air-purifying filters.

[Cleaning]

3-1 Vacuum dust, and soak in lukewarm water or water for about 10 to 15 minutes if very dirty.

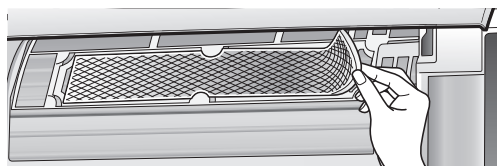


3-2 After washing, shake off remaining water and let them dry in the shade.

- Do not wring out the filter to remove water from it.

[Replacement]

Remove the filter from the tabs and prepare a new one.



- Dispose of the old filter as non-flammable waste.

4. Insert the titanium apatite photocatalytic air-purifying filters as they were.

- When attaching the filter, check that the filter is properly set in the tabs.

5. Reattach the filters. ▶Page 20

6. Close the front panel slowly.

▶Page 20

NOTE

- Operation with dirty filters:
 - cannot deodorize the air,
 - cannot clean the air,
 - results in poor cooling,
 - may cause odor.
- Dispose of old filters as non-flammable waste.
- To order a titanium apatite photocatalytic air-purifying filter, contact the dealer where you bought the air conditioner.

| | |
|-----------------|--|
| Item | Titanium apatite photocatalytic air-purifying filter 1 set |
| Part No. | KAF970A46 (without frame) |

Care and Cleaning

FTK18NMVJU / FTK24NMVJU / FTKN18NMVJU / FTKN24NMVJU

⚠ CAUTION

- Before cleaning, be sure to stop the operation and turn off the circuit breaker.
- Do not touch the aluminium fins of the indoor unit. If you touch those parts, this may cause an injury.

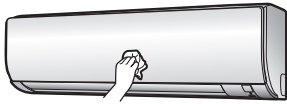
■ Quick reference

Cleaning parts

Front panel

- Wipe it with a soft damp cloth.
- Only neutral detergent may be used.

If dirty



Air filter

- Vacuum dust or wash the filter.

Once every 2 weeks

▶ Page 23

Indoor unit, outdoor unit and remote controller

- Wipe them with a soft cloth.

If dirty

Titanium apatite photocatalytic air-purifying filter (with frame)*

- Vacuum dust or replace the filter.

[Cleaning]

Once every 6 months

▶ Page 24

[Replacement]

Once every 3 years

▶ Page 24

*FTKN18/24NMVJU: Sold separately.

NOTE

For cleaning, do not use any of the following:

- Water hotter than 104°F (40°C)
- Volatile liquid such as benzene, petrol and thinner
- Polishing compounds
- Rough materials such as a scrubbing brush



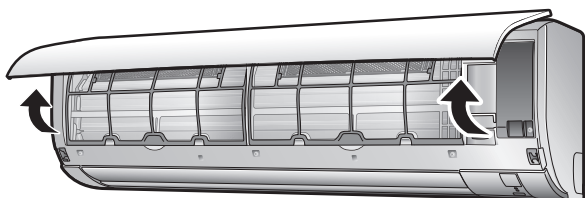
Care and Cleaning

FTK18NMVJU / FTK24NMVJU / FTKN18NMVJU / FTKN24NMVJU

■ Air filter

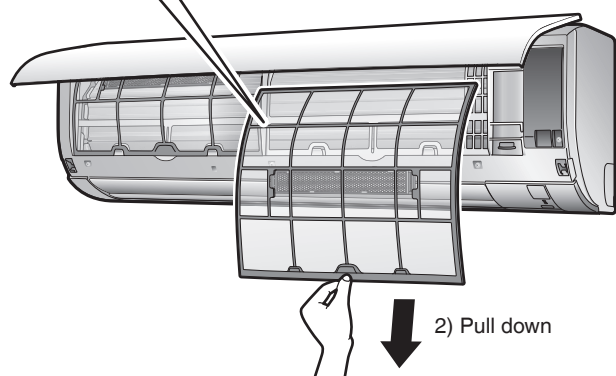
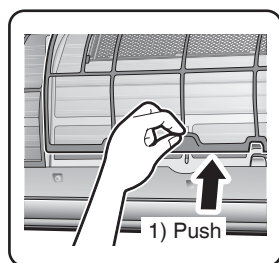
1. Open the front panel.

- Hold the front panel by the sides and open it.



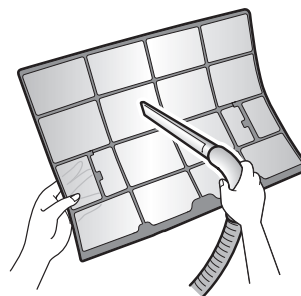
2. Pull out the air filters.

- Push the filter tab at the center of each air filter a little upwards, then pull it down.



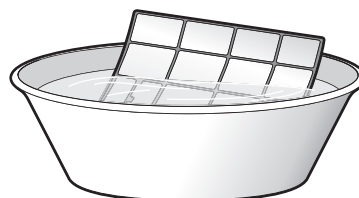
3. Wash the air filters with water or clean them with vacuum cleaner.

- It is recommended to clean the air filters every 2 weeks.



If the dust does not come off easily

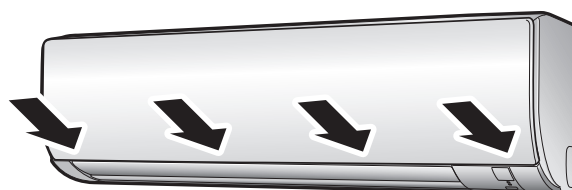
- Wash the air filters with neutral detergent thinned with lukewarm water, then dry them up in the shade.
- Be sure to remove the titanium apatite photocatalytic air-purifying filter. Refer to “**Titanium apatite photocatalytic air-purifying filter**” on the next page.



4. Reattach the filters.

5. Close the front panel slowly.

- Press the front panel at both sides and in the central area.



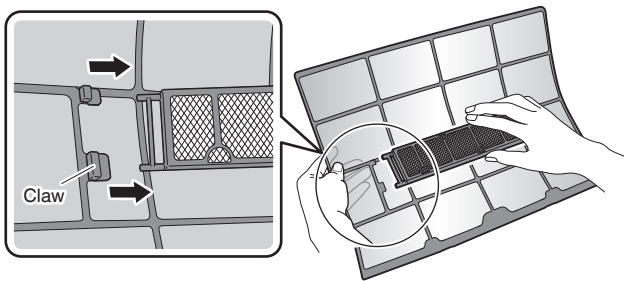
- Make sure that the front panel is securely fixed.

■ Titanium apatite photocatalytic air-purifying filter

1. Open the front panel and pull out the air filters. ▶Page 23

2. Take off the titanium apatite photocatalytic air-purifying filters.

- Hold the recessed parts of the frame and unhook the 4 claws.

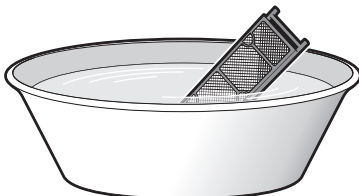


3. Clean or replace the titanium apatite photocatalytic air-purifying filters.

[Cleaning]

3-1 Vacuum dust, and soak in lukewarm water or water for about 10 to 15 minutes if very dirty.

- Do not remove the filter from the frame when washing with water.



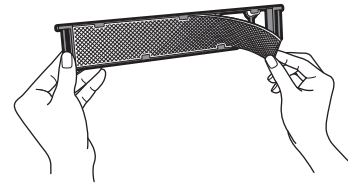
3-2 After washing, shake off remaining water and let them dry in the shade.

- Do not wring out the filter to remove water from it.

[Replacement]

Remove the filter from the filter frame and prepare a new one.

- Do not throw away the filter frame. Reuse the filter frame when replacing the titanium apatite photocatalytic air-purifying filter.



- Dispose of the old filter as non-flammable waste.

4. Insert the titanium apatite photocatalytic air-purifying filters as they were.

- When attaching the filter, check that the filter is properly set in the tabs.

5. Reattach the filters. ▶Page 23

6. Close the front panel slowly.

▶Page 23

NOTE

- Operation with dirty filters:
 - cannot deodorize the air,
 - cannot clean the air,
 - results in poor cooling,
 - may cause odor.
- Dispose of old filters as non-flammable waste.
- To order a titanium apatite photocatalytic air-purifying filter, contact the dealer where you bought the air conditioner.

| | |
|-----------------|--|
| Item | Titanium apatite photocatalytic air-purifying filter 1 set |
| Part No. | KAF970A46 (without frame) |
| | KAF970A45 (with frame)* |

*For customers who are using the FTKN18/24NMVJU, please purchase the KAF970A45 (with frame) during your initial purchase.

Care and Cleaning

All models

■ Prior to a long period of non-use

1. Operate the FAN ONLY mode for several hours to dry out the inside.

- Press  .

2. After operation stops, turn off the circuit breaker for the room air conditioner.

3. Take out the batteries from the remote controller.

■ We recommend periodical maintenance

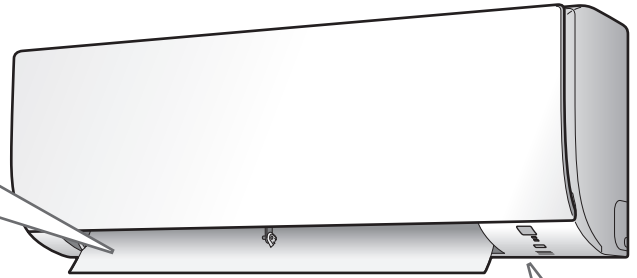
- In certain operating conditions, the inside of the air conditioner may get foul after several seasons of use, resulting in poor performance. It is recommended to have periodical maintenance by a qualified contractor in addition to regular cleaning by the user.
- For qualified contractor maintenance, please contact the dealer where you bought the air conditioner.

FAQ

Indoor unit

The flap does not start swinging immediately.

- The air conditioner is adjusting the position of the flap. The flap will start moving soon.



Operation does not start soon.

- **When any direct operation button was pressed soon after operation was stopped.**
- **When the mode was reselected.**
 - This is to protect the air conditioner. You should wait for about 3 minutes.

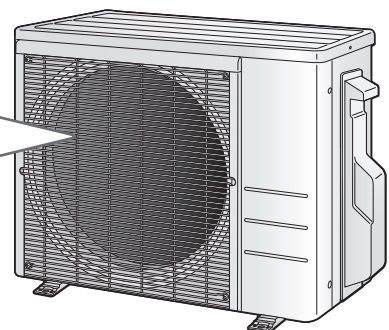
Different sounds are heard.

- **A sound like flowing water**
 - This sound is generated because the refrigerant in the air conditioner is flowing.
 - This is a pumping sound of the water in the air conditioner and can be heard when the water is pumped out from the air conditioner during COOL or DRY operation.
- **Ticking sound**
 - This sound is generated when the cabinet and frame of the air conditioner slightly expand or shrink as a result of temperature changes.
- **Clicking sound during operation or idle time**
 - This sound is generated when the refrigerant control valves or the electrical parts operate.
- **Clopping sound**
 - This sound is heard from the inside of the air conditioner when the exhaust fan is activated while the room doors are closed. Open the window or turn off the exhaust fan.

Outdoor unit

The outdoor unit emits water.

- **In COOL or DRY operation**
 - Moisture in the air condenses into water on the cool surface of the outdoor unit piping and drips.



Troubleshooting

Before making an inquiry or a request for repair, please check the following.
If the problem persists, consult your dealer.



Not a problem

This case is not a problem.



Check

Please check again before requesting repairs.

The air conditioner does not operate

| Case | Description / what to check |
|-----------------------------|--|
| OPERATION lamp is off. | <ul style="list-style-type: none"> Has the circuit breaker been tripped or the fuse blown? Is there a power failure? Are batteries set in the remote controller? |
| OPERATION lamp is blinking. | <ul style="list-style-type: none"> Turn off the power with the circuit breaker and restart operation with the remote controller. If the OPERATION lamp is still blinking, check the error code and consult your dealer. |

▶ Page 30

The air conditioner suddenly stops operating

| Case | Description / what to check |
|-----------------------------|--|
| OPERATION lamp is on. | <ul style="list-style-type: none"> To protect the system, the air conditioner may stop operating after sudden large voltage fluctuations. It automatically resumes operation in about 3 minutes. |
| OPERATION lamp is blinking. | <ul style="list-style-type: none"> Is there anything blocking the air inlet or air outlet of the indoor unit or outdoor unit? Stop operation and after turning off the circuit breaker, remove the obstruction. Then restart operation with the remote controller. If the OPERATION lamp is still blinking, check the error code and consult your dealer. |

▶ Page 30

The air conditioner does not stop operating

| Case | Description / what to check |
|--|--|
| The air conditioner continues operating even after operation is stopped. | <ul style="list-style-type: none"> Immediately after the air conditioner is stopped <ul style="list-style-type: none"> The outdoor unit fan continues rotating for about another 1 minute to protect the system. While the air conditioner is not in operation <ul style="list-style-type: none"> When the outdoor temperature is high, the outdoor unit fan may start rotating to protect the system. |

The room does not cool down

| Case | Description / what to check |
|--|---|
| Air does not come out / Air comes out. | <ul style="list-style-type: none"> Is the airflow rate setting appropriate? <ul style="list-style-type: none"> Is the airflow rate setting low, such as "Indoor unit quiet" or "Airflow rate 1"? Increase the airflow rate setting. Is the set temperature appropriate? Is the adjustment of the airflow direction appropriate? |
| Air comes out. | <ul style="list-style-type: none"> Is there any furniture directly under or beside the indoor unit? Is the air conditioner in ECONO operation? ▶ Page 16 Are the air filters dirty? Is there anything blocking the air inlet or air outlet of the indoor unit or outdoor unit? Is a window or door open? Is an exhaust fan turning? |

Mist comes out

| Case | Description / what to check |
|------------------------------------|---|
| Mist comes out of the indoor unit. | <input checked="" type="checkbox"/> • This happens when the air in the room is cooled into mist by the cold airflow during COOL or other operation. |

Remote controller

| Case | Description / what to check |
|--|--|
| The unit does not receive signals from the remote controller or has a limited operating range. | <input checked="" type="checkbox"/> • The batteries may be exhausted. Replace both batteries with new dry batteries AAA.LR03 (alkaline). For details, refer to “ Preparation Before Operation ”. ▶Page 10 <input type="checkbox"/> • Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamps) is in the room. Consult your dealer if that is the case. <input type="checkbox"/> • The remote controller may not function correctly if the transmitter is exposed to direct sunlight. |
| LCD is faint, is not working, or the display is erratic. | <input checked="" type="checkbox"/> • The batteries may be exhausted. Replace both batteries with new dry batteries AAA.LR03 (alkaline). For details, refer to “ Preparation Before Operation ”. ▶Page 10 |
| Other electric devices start operating. | <input checked="" type="checkbox"/> • If the remote controller activates other electric devices, move them away or consult your dealer. |

Air has an odor

| Case | Description / what to check |
|--|--|
| The air conditioner gives off an odor. | <input checked="" type="checkbox"/> • The room odor absorbed in the unit is discharged with the airflow. We recommend you to have the indoor unit cleaned. Please consult your dealer. |

Others

| Case | Description / what to check |
|--|--|
| The air conditioner suddenly starts behaving strangely during operation. | <input type="checkbox"/> • The air conditioner may malfunction due to lightning or radio. If the air conditioner malfunctions, turn off the power with the circuit breaker and restart the operation with the remote controller. |

Notes on the operating conditions

- If operation continues under any conditions other than those listed in the table,
 - A safety device may activate to stop the operation.
 - Dew may form on the indoor unit and drip from it when COOL or DRY operation is selected.

| Mode | Operating conditions |
|------------|---|
| COOL / DRY | Outdoor temperature: 50-115°F (10-46°C) Indoor temperature: 64-90°F (18-32°C) Indoor humidity: 80% max. |

Troubleshooting

■ Call your dealer immediately

WARNING

When an abnormality (such as a burning smell) occurs, stop operation and turn off the circuit breaker.

- Continued operation in an abnormal condition may result in troubles, electric shocks or fire.
- Consult the dealer where you bought the air conditioner.

Do not attempt to repair or modify the air conditioner by yourself.

- Incorrect work may result in electric shocks or fire.
- Consult the dealer where you bought the air conditioner.

If one of the following symptoms takes place, call your dealer immediately.

- The power cord is abnormally hot or damaged.
- An abnormal sound is heard during operation.
- The circuit breaker, a fuse, or the earth leakage circuit breaker cuts off the operation frequently.
- A switch or a button often fails to work properly.
- There is a burning smell.
- Water leaks from the indoor unit.

Turn off the circuit breaker and call your dealer.



■ After a power failure

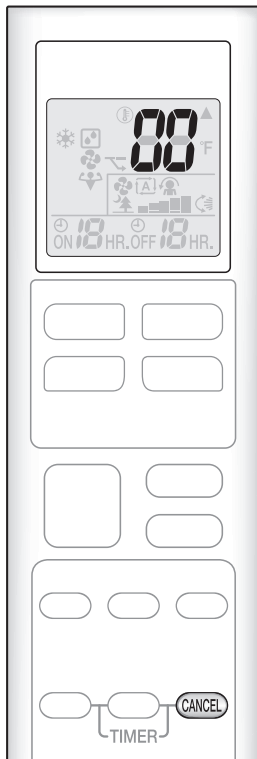
- The air conditioner automatically resumes operation in about 3 minutes. You should just wait for a while.

■ Lightning

- If there is a risk lightning could strike in the neighborhood, stop operation and turn off the circuit breaker to protect the system.

■ Disposal requirements

- Dismantling of the unit, handling of the refrigerant, oil and other parts, should be done in accordance with the relevant local and national regulations.



■ Fault diagnosis by remote controller

- The remote controller can receive relevant error codes from the indoor unit.

1. When **CANCEL** is held down for about 5 seconds, “00” blinks in the temperature display section.

2. Press **CANCEL** repeatedly until a continuous beep is produced.

- The code indication changes as shown below, and notifies you with a long beep.

| | CODE | MEANING |
|--------------|---|--|
| SYSTEM | 00 | NORMAL |
| | UA | INDOOR-OUTDOOR UNIT COMBINATION FAULT |
| | U0 | REFRIGERANT SHORTAGE |
| | U2 | DROP VOLTAGE OR MAIN CIRCUIT OVERVOLTAGE |
| | U4 | FAILURE OF TRANSMISSION (BETWEEN INDOOR UNIT AND OUTDOOR UNIT) |
| INDOOR UNIT | A1 | INDOOR PCB DEFECTIVENESS |
| | A5 | HIGH PRESSURE CONTROL OR FREEZE-UP PROTECTOR |
| | A6 | FAN MOTOR FAULT |
| | C4 | FAULTY HEAT EXCHANGER TEMPERATURE SENSOR |
| | C9 | FAULTY SUCTION AIR TEMPERATURE SENSOR |
| OUTDOOR UNIT | EA | COOLING-HEATING SWITCHING ERROR |
| | E1 | CIRCUIT BOARD FAULT |
| | E5 | OL STARTED |
| | E6 | FAULTY COMPRESSOR START UP |
| | E7 | DC FAN MOTOR FAULT |
| | E8 | OVERCURRENT INPUT |
| | F3 | HIGH TEMPERATURE DISCHARGE PIPE CONTROL |
| | F6 | HIGH PRESSURE CONTROL (IN COOLING) |
| | H0 | SENSOR FAULT |
| | H6 | OPERATION HALT DUE TO FAULTY POSITION DETECTION SENSOR |
| | H8 | DC CURRENT SENSOR FAULT |
| | H9 | FAULTY SUCTION AIR TEMPERATURE SENSOR |
| | J3 | FAULTY DISCHARGE PIPE TEMPERATURE SENSOR |
| | J6 | FAULTY HEAT EXCHANGER TEMPERATURE SENSOR |
| | L3 | ELECTRICAL PARTS HEAT FAULT |
| | L4 | HIGH TEMPERATURE AT INVERTER CIRCUIT HEATSINK |
| L5 | OUTPUT OVERCURRENT | |
| P4 | FAULTY INVERTER CIRCUIT HEATSINK TEMPERATURE SENSOR | |

NOTE

- A short beep indicates non-corresponding codes.
- To cancel the code display, hold **CANCEL** down for about 5 seconds. The code display also clears if no button is pressed for 1 minute.