DAIKIN





DAIKIN ROOM AIR CONDITIONER

OPERATION MANUAL

INVERTER



English
Deutsch
Français
Nederlands
Español
Italiano
Ελληνικά
Portugues
Русский
Türkçe

MODELS

- ☑ FTXG25JV1BW
- ☑ FTXG35JV1BW
- ☑ FTXG50JV1BW
- ☑ FTXG25JV1BA
- ☑ FTXG35JV1BA
- ☑ FTXG50JV1BA
- ☑ FTXG25JV1BB
- ☑ FTXG35JV1BB
- ☑ FTXG50JV1BB

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⚠ CAUTION / ACHTUNG / ATTENTION / VOORZORGSMAATREGELEN / PRECAUCIÓN / ATTENZIONE / ΠΡΟΣΟΧΗ / PRECAUÇÃO / ПРЕДОСТЕРЕЖЕНИЕ / İKAZ

EN
- Sound pressure level is less than 70 dB (A).
- This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial and household use by lay persons.

DE
- Der Schalldruckpegel liegt unter 70 dB (A).
- Diese Anlage ist konzipiert für die Benutzung durch Experten oder geschulte Benutzer in Geschäftsstellen, in der Leichtindustrie und in landwirtschaftlichen Betrieben sowie zur kommerziellen Verwendung oder in Haushalten durch Laien.

FR
- Le niveau de pression sonore est inférieur à 70 dB (A).
- Ces appareil est destiné à être utilisé par des utilisateurs experts ou formés dans des ateliers, l'industrie légère et les fermes ou à des fins commerciales et domestiques par des profanes.

NL
- Geluidsdrukniveau lager dan 70 dB(A).
- Dit apparaat is bedoeld voor gebruik door expert of opgeleide gebruikers in winkels, lichte industrie en op boerderijen, of voor commercieel en huishoudelijk gebruik door niet-deskundigen.

ES
- El nivel de presión sonora es inferior a 70 dB (A).
- Este aparato está diseñado para ser utilizado por usuarios expertos o cualificados en tiendas, industria ligera o granjas o por personas no versadas para uso comercial y doméstico.

IT
- Il livello di pressione sonora è inferiore a 70 dB (A).
- Questo apparecchio è destinato ad essere utilizzato da utenti esperti o qualificati nei negozi, nell'industria leggera e nelle fattorie, o per uso commerciale e domestico da persone non esperte.

EL
- Το επίπεδο ηχητικής πίεσης είναι χαμηλότερο από 70 dB(A).
- Αυτή η συσκευή προορίζεται για χρήση από εξειδικευμένους ή εκπαιδευμένους χρήστες σε καταστήματα, ελαφρά βιομηχανία και φάρμες, ή για εμπορική χρήση από απλούς χρήστες.

PT
- O nível de pressão sonora é inferior a 70 dB (A).
- Este aparelho destina-se a utilizadores especialistas ou com formação própria, em lojas, pequenas indústrias e explorações agrícolas; ou para utilização comercial e doméstica por pessoas sem formação específica.

RU
- Уровень звукового давления: менее 70 дБ (А).
- Данный прибор предназначен для эксплуатации опытными или прошедшими специальную подготовку пользователями в торговых точках, на предприятиях легкой промышленности, на фермах, а также для эксплуатации неспециалистами в коммерческих целях и в бытовых условиях.

TR
- Ses basıncı seviyesi 70 dB(A) değerinden azdır.
- Bu cihaz uzman veya eğitimli kullanıcılar tarafından atölyelerde, hafif sanayide ve çiftliklerde ya da uzman olmayan kimseler tarafından ticari amaçlı olarak ve evde kullanım için tasarlanmıştır.

NOTE / HINWEIS / REMARQUE / OPMERKING / NOTA / NOTA / ΣΗΜΕΙΩΣΗ / NOTA / ПРИМЕЧАНИЕ / AÇIKLAMA

EN
- The English text is the original instruction. Other languages are translations of the original instructions.

DE
- Bei der englischen Fassung der Anleitung handelt es sich um das Original. Bei den Anleitungen in anderen Sprachen handelt es sich um Übersetzungen des Originals.

FR
- Le texte anglais correspond aux instructions d'origine. Les autres langues sont les traductions des instructions d'origine.

NL
- De Engelse tekst is de oorspronkelijke versie. Andere talen zijn vertalingen van de oorspronkelijke instructies.

ES
- Las instrucciones originales están en inglés. Los demás idiomas son traducciones de las instrucciones originales.

IT
- Il testo in inglese corrisponde alle istruzioni originali. Le altre lingue sono traduzioni delle istruzioni originali.

EL
- Οι αρχικές οδηγίες παρέχονται στο αγγλικό κείμενο. Οι οδηγίες στις άλλες γλώσσες αποτελούν μετάφραση των αρχικών οδηγιών.

PT
- As instruções foram redigidas originalmente em inglês. As versões noutras línguas são traduções da redacção original.

RU
- Оригиналом руководства является текст на английском языке. Текст на других языках является переводом с оригинала.

TR
- İngilizce metin asıl talimattır. Diğer diller asıl talimatların çevirileridir.

Feature

For your comfort and energy saving

INTELLIGENT EYE

The INTELLIGENT EYE sensor detects the human movement in a room. If no one is in the room for more than 20 minutes, the operation automatically changes to energy saving operation.

▶Page 16

WEEKLY TIMER

Up to 4 timer settings can be saved for each day of the week according to your family's life style. The WEEKLY TIMER allows you to set on/off time and the desired temperature.

▶Page 23



Other functions

COMFORT AIRFLOW

The airflow direction will be in upward while in COOL operation, in downward while in HEAT operation. This function will prevent cold or warm air from directly blowing on your body. ▶Page 15

OUTDOOR UNIT QUIET

OUTDOOR UNIT QUIET operation lowers the noise level of the outdoor unit. This function is useful when you need to consider the noise in your neighborhood. ▶Page 19

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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. ▶Page 20

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Safety Precautions

- Keep this manual where the operator can easily find it.
- Read the precautions in this manual carefully before operating the unit.
- The precautions described herein are classified as WARNING and CAUTION. They both contain important information regarding safety. Be sure to observe all precautions without fail.

⚠ WARNING	⚠ CAUTION
Failure to follow these instructions properly may result in personal injury or loss of life.	Failure to observe these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.

	Never attempt.		Never wet the air conditioner nor the remote controller with water.
	Be sure to follow the instructions.		Never touch the air conditioner nor the remote controller with wet hands.
	Be sure to establish an earth connection.		

- After reading, keep this manual in a convenient place so that you can refer to it whenever necessary. If the equipment is transferred to a new user, be sure also to hand over the manual.

⚠ WARNING



- In order to avoid fire, explosion or injury, do not operate the unit when harmful gases (e.g. flammable or corrosive) are detected near the unit.
- Be aware that prolonged, direct exposure to cool or warm air from the air conditioner, or to air that is too cool or too warm can be harmful to your physical condition and health.

ÅDo not place objects, including rods, your fingers, etc., in the air inlet or outlet. Product damage or personal injury may result due to contact with the air conditioner's high-speed fan blades.

- Do not attempt to repair, dismantle, reinstall or modify the air conditioner yourself as this may result in water leakage, electric shocks or fire hazards.
- Do not use flammable spray near the air conditioner, or otherwise fire may result.



- Beware of fire in case of refrigerant leakage. If the air conditioner is not operating correctly, i.e. not generating cool or warm air, refrigerant leakage could be the cause. Consult your dealer for assistance. The refrigerant within the air conditioner is safe and normally does not leak.
  However, in the event of a leakage, contact with a naked burner, heater or cooker may result in generation of noxious gas. Do not longer use the air conditioner until a qualified service person confirms that the leakage has been repaired.
- Do not attempt to install or repair the air conditioner yourself. Improper workmanship may result in water leakage, electric shocks or fire hazards. Please contact your local dealer or qualified personnel for installation and maintenance work.
- When the air conditioner is malfunctioning (giving off a burning odour, etc.) turn off power to the unit and contact your local dealer. Continued operation under such circumstances may result in a failure, electric shocks or fire hazards.
- Be sure to install an earth leakage breaker. Failure to install the earth leakage breaker may result in electric shocks or fire.



- Be sure to earth the unit. Do not earth the unit to a utility pipe, lightning conductor or telephone earth lead. Imperfect earthing may result in electric shocks.

⚠ CAUTION



- Do not use the air conditioner for purposes other than those for which it is intended. Do not use the air conditioner for cooling precision instruments, food, plants, animals or works of art as this may adversely affect the performance, quality and/or longevity of the object concerned.
- Do not expose plants or animals directly to airflow from the unit as this may cause adverse effects.
- Do not place appliances that produce naked flames in places exposed to the airflow from the unit as this may impair combustion of the burner.
- Do not block air inlets nor outlets. Impaired airflow may result in insufficient performance or trouble.
- Do not sit on the outdoor unit, put things on the unit, or pull the unit. Doing so may cause accidents, such as falling or toppling down, thus resulting in injury, product malfunctioning, or product damage.

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⚠ CAUTION

- Do not place objects that are susceptible to moisture directly beneath the indoor or outdoor units. Under certain conditions, condensation on the main unit or refrigerant pipes, air filter dirt or drain blockage may cause dripping, resulting in fouling or failure of the object concerned.
- After prolonged use, check the unit stand and its mounts for damage. If they are left in a damaged condition, the unit may fall and cause injury.
- To avoid injury, do not touch the air inlet or aluminium fins of the indoor or outdoor units.
- The appliance is not intended for use by unattended young children or infirm persons. Impairment of bodily functions and harm to health may result.
- Children should be supervised to ensure that they do not play with the unit or its remote controller. Accidental operation by a child may result in impairment of bodily functions and harm health.
- Do not give impact to the indoor and outdoor units, or otherwise product damage may result.
- Do not place flammable items, such as spray cans, within 1m of the air outlet.
  The spray cans may explode as a result of hot air from the indoor or outdoor units.
- Be careful not to let pets urinate on the air conditioner. Urination on the air conditioner may result in electric shocks or fire.

- To avoid oxygen depletion, ensure that the room is adequately ventilated if equipment such as a burner is used together with the air conditioner.
- Before cleaning, be sure to stop unit operation, turn the breaker off or remove the power cord. Otherwise, an electric shock and injury may result.
- Only connect the air conditioner to the specified power supply circuit. Power supplies other than the one specified may result in electric shocks, overheating and fires.
- Arrange the drain hose to ensure smooth drainage. Imperfect drainage may cause wetting of the building, furniture etc.
- Do not place objects in direct proximity of the outdoor unit and do not let leaves and other debris accumulate around the unit. Leaves are a hotbed for 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.
- Do not place objects around the indoor unit.
  Doing so may have an adverse influence on the performance, product quality, and life of the air conditioner.
- This appliance is not intended to be used by persons with reduced physical, sensory or mental capabilities, or with lack of operation knowledge, unless they have been given supervision or instruction concerning the appliance use by person responsible for their safety.
  Keep out of children's reach to ensure that they do not play with the appliance.

- To avoid electric shocks, do not operate with wet hands.

- Do not wash the air conditioner with water, as this may result in electric shocks or fire.
- Do not place water containers (vases etc.) above the unit, as this may result in electric shocks or fire hazards.

Installation site.

■ To install the air conditioner in the following types of environments, consult the dealer.

- Places with an oily ambient or where steam or soot occurs.
- Salty environment such as coastal areas.
- Places where sulfide gas occurs such as hot springs.
- Places where snow may block the outdoor unit.
- The indoor unit is at least 1m away from any television or radio set (unit may cause interference with the picture or sound).
- The drain from the outdoor unit must be discharged to a place of good drainage.

Consider nuisance to your neighbours from noises.

■ For installation, choose a place as described below.

- A place solid enough to bear the weight of the unit which does not amplify the operation noise or vibration.
- A place from where the air discharged from the outdoor unit or the operation noise will not annoy your neighbours.

Electrical work.

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

System relocation.

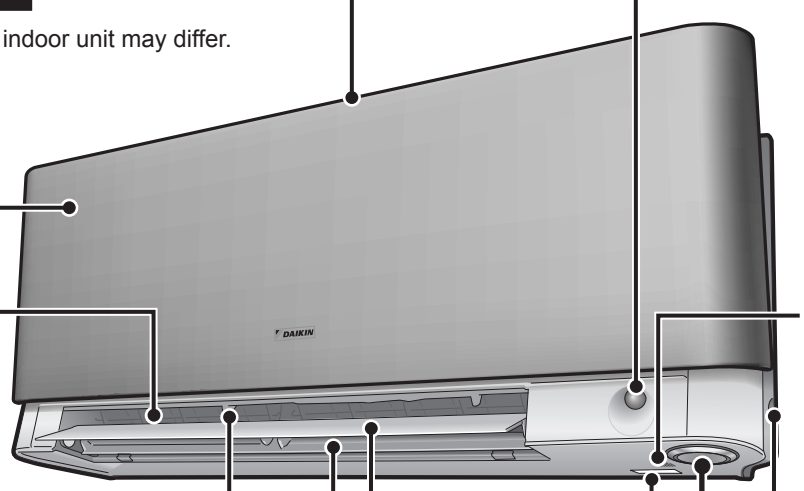
- Relocating the air conditioner requires specialized knowledge and skills. Please consult the dealer if relocation is necessary for moving or remodeling.

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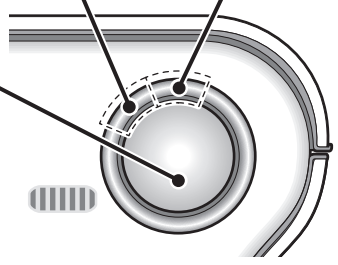
Name of Parts

Indoor Unit

• Appearance of the indoor unit may differ.



Display



Multi-monitor lamp

• The lamp colour changes according to the operation.

Operation	Multi-monitor lamp
AUTO	Red/Blue
DRY	Green
COOL	Blue
HEAT	Red
FAN	White
TIMER	Orange

Signal receiver

• It 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

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 table below.

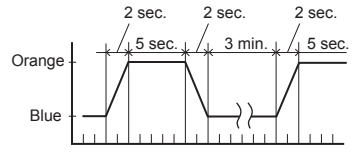
Mode	Temperature setting	Airflow rate
AUTO	25°C	AUTO

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

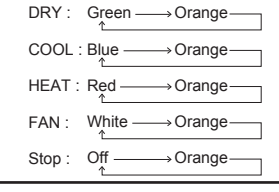
TIMER lamp

• When operation by timer has been set, the multi-monitor lamp periodically changes to orange. After lighting orange for about 5 seconds, it returns to the colour of the operation mode. The multi-monitor lamp will turn orange on and off in cyclic manner while the air conditioner is not in operation.

TIMER lamp colour : For COOL

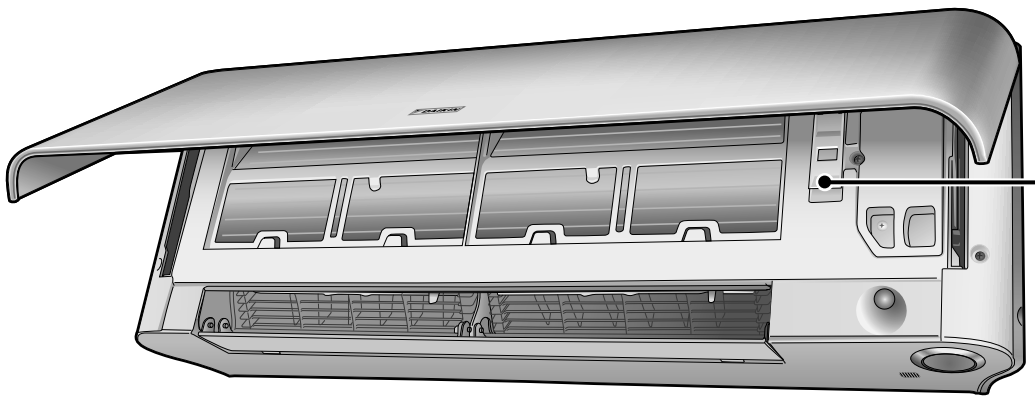


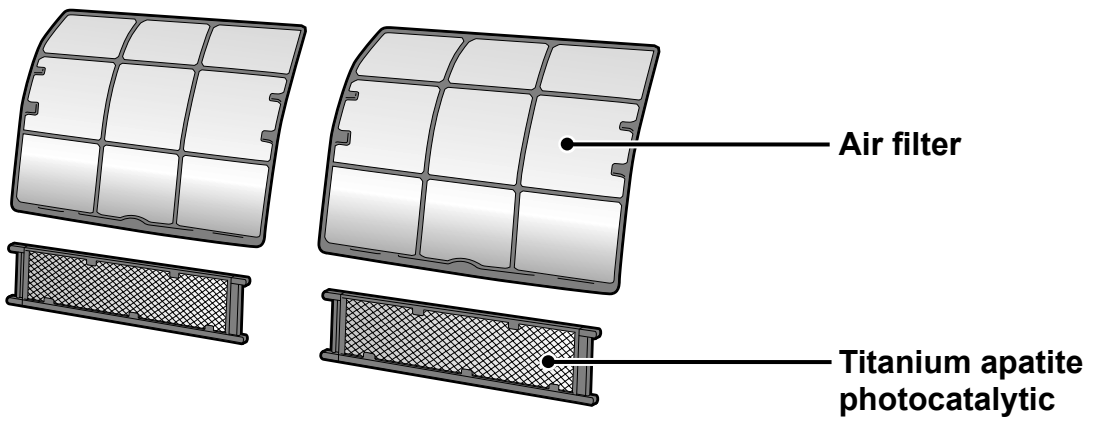
TIMER lamp colour



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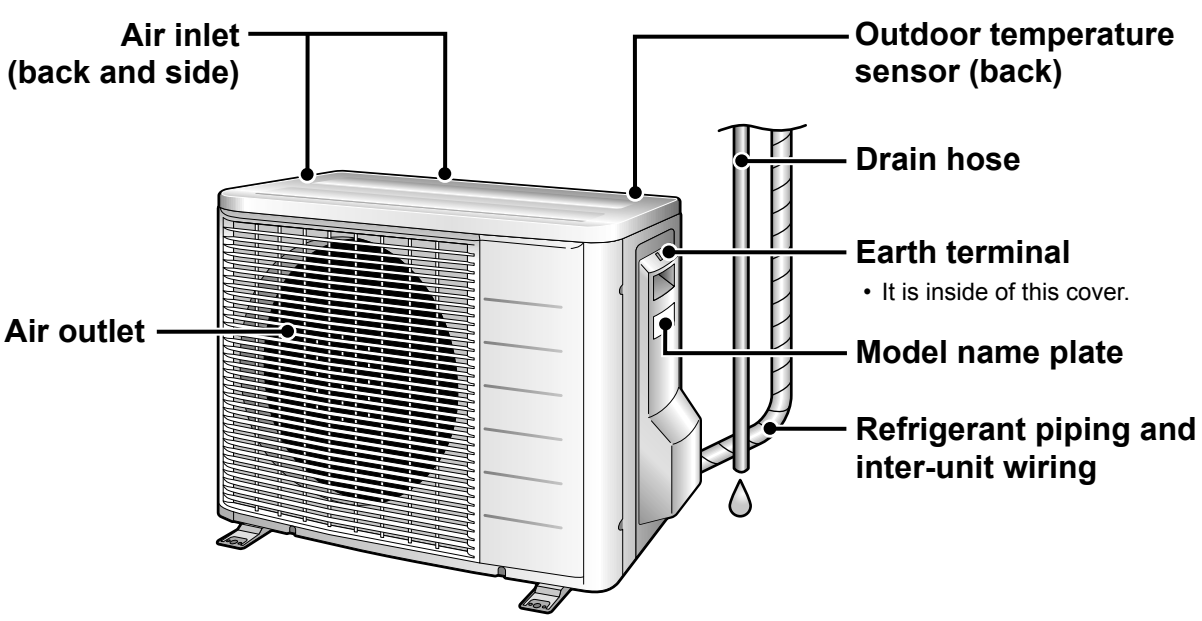
■ Open the front panel





Outdoor Unit

• Appearance of the outdoor unit may differ from some models.

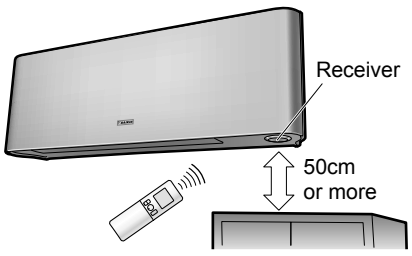


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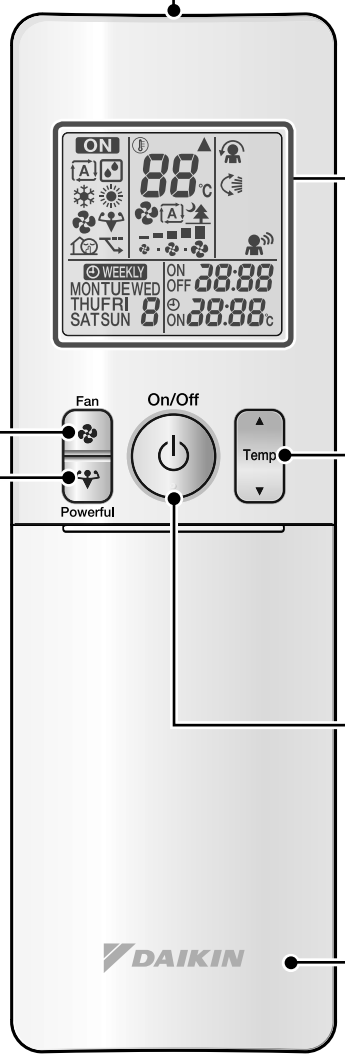
Name of Parts

Remote Controller

Signal transmitter



- To use the remote controller, aim the transmitter at the indoor unit. If there is anything to block signals between the unit and the remote controller, such as a curtain, the unit will not operate.
- Do not drop the remote controller. Do not get it wet.
- The maximum distance for communication is approx. 6m. Make sure that there are no obstacles within 50cm under the signal receiver. Such obstacles, if any, may have an adverse influence on the reception performance of the receiver and the reception distance may be shortened.



Display (LCD)

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

TEMPERATURE adjustment buttons

- It changes the temperature setting. ▶Page 12

ON/OFF button

- Press this button once to start operation. Press once again to stop it. ▶Page 11

Front cover

- Open the front cover. ▶Page 8

FAN setting button

- It selects the airflow rate setting. ▶Page 14

POWERFUL button

- POWERFUL operation. ▶Page 18

Model	ARC466A1

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■ Open the front cover



MODE selector button
- It selects the operation mode. (AUTO/DRY/COOL/HEAT/FAN) ▶Page 11

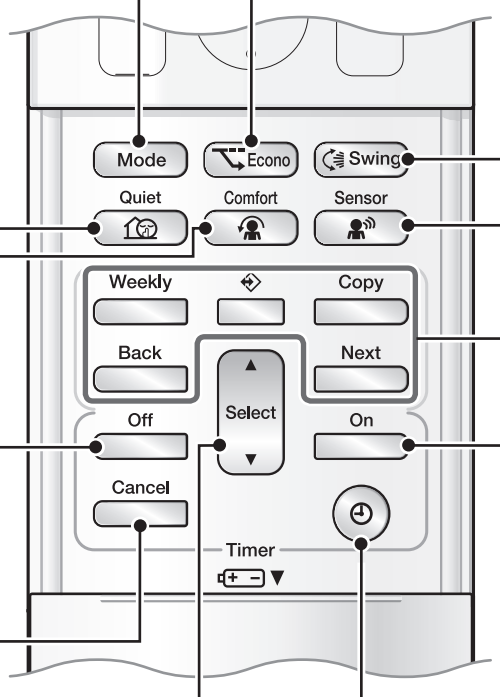
ECONO button
- ECONO operation. ▶Page 20

SWING button
- Adjusting the air flow direction. ▶Page 13

QUIET button
- OUTDOOR UNIT QUIET operation. ▶Page 19

INTELLIGENT EYE button
- INTELLIGENT EYE operation. ▶Page 16

COMFORT button
- COMFORT AIRFLOW operation. ▶Page 15



OFF TIMER button
▶Page 21

TIMER CANCEL button
- It cancels the timer setting. ▶Page 21,22
- It cannot be used for the WEEKLY TIMER operation.

SELECT button
- It changes the ON/OFF TIMER and WEEKLY TIMER settings. ▶Page 21,22,23

Weekly
: WEEKLY button

: PROGRAM button

Copy
: COPY button

Back
: BACK button

Next
: NEXT button

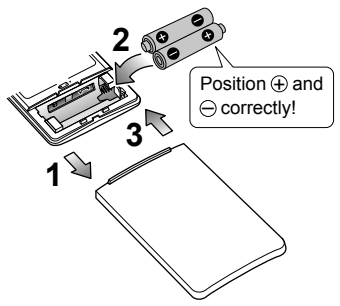
- WEEKLY TIMER operation. ▶Page 23

ON TIMER button
▶Page 22

CLOCK button ▶Page 10

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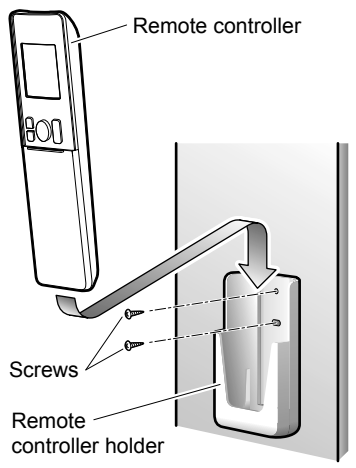
Preparation before Operation



■ To set the batteries

1. **Slide the front cover to take it off.**
2. **Set two dry batteries AAA.LR03 (alkaline).**
3. **Set the front cover as before.**

■ To fix the remote controller holder on the wall



1. **Choose a place from where the signals reach the unit.**
2. **Fix the holder to a wall, a pillar, or similar location with the screws procured locally.**
3. **Place the remote controller in the remote controller holder.**

NOTE

■ Notes on batteries

- When replacing the batteries, use batteries of the same type, and replace both old batteries together.
- When the system is not used for a long time, take the batteries out.
- The batteries will last for approx. 1 year. If the remote controller display begins to fade and the degradation of reception performance occurs within a year, however, replace both batteries with new, size AAA.LR03 (alkaline).
- The attached batteries are provided for the initial use of the system.
  The usable period of the batteries may be short depending on the manufactured date of the air conditioner.

■ Notes on remote controller

- Never expose the remote controller to direct sunlight.
- Dust on the signal transmitter or receiver will reduce the sensitivity. Wipe off dust with soft cloth.
- Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamps) is in the room. Consult the shop if that is the case.
- If the remote controller signals happen to operate another appliance, move that appliance to somewhere else, or consult the service shop.

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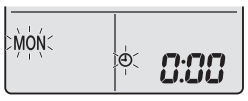


■ Turn the breaker on

• After the power is turned on, the flaps of the indoor unit open and close once to set the reference position.

■ To set the clock

1. Press ⏲.



• " 0:00 " is displayed on the LCD.
• " MON " and " ⏲ " blink.

2. Press Select to set the current day of the week.

3. Press ⏲.



• " ⏲ " blinks.

4. Press Select to set the clock to the present time.

• Holding down ▲ or ▼ rapidly increases or decreases the time display.

5. Press ⏲.

• Point the remote controller at the indoor unit when pressing the buttons.



• " : " blinks.

NOTE

■ **Note on setting the clock**

• If the indoor unit's internal clock is not set to the correct time, the ON TIMER, OFF TIMER and WEEKLY TIMER will not operate punctually.

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AUTO · DRY · COOL · HEAT · FAN Operation

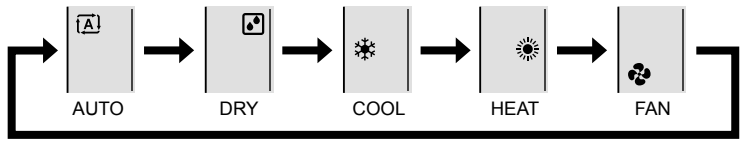


The air conditioner operates with the operation mode of your choice.
From the next time on, the air conditioner will operate with the same operation mode.

■ To start operation

1. Press Mode and select an operation mode.

• Each pressing of the button advances the mode setting in sequence.



2. Press On/Off.

• "ON" is displayed on the LCD.
• The multi-monitor lamp lights up.
The colour of the lamp varies depending on the operation mode.

Operation	Multi-monitor lamp
AUTO	Red/Blue
DRY	Green
COOL	Blue
HEAT	Red
FAN	White



Display

■ To stop operation

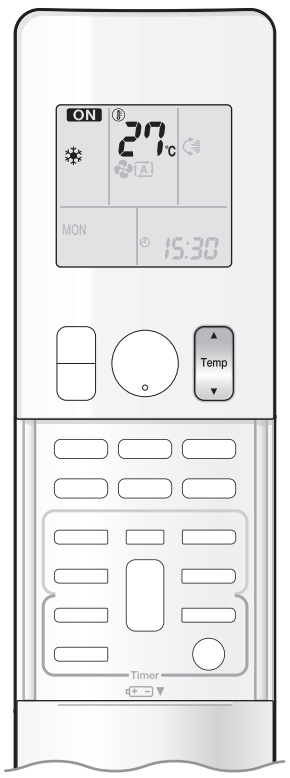
Press On/Off again.

• "ON" disappears from the LCD.
• The multi-monitor lamp goes off.

NOTE

MODE	Notes on each operation mode
HEAT	• Since this air conditioner heats the room by taking heat from outdoor air to indoors, the heating capacity becomes smaller in lower outdoor temperatures. If the heating effect is insufficient, it is recommended to use another heating appliance in combination with the air conditioner. • The heat pump system heats the room by circulating hot air around all parts of the room. After the start of HEAT operation, it takes some time before the room gets warmer. • In HEAT operation, frost may occur on the outdoor unit and lower the heating capacity. In that case, the system switches into defrosting operation to take away the frost. • During defrosting operation, hot air does not flow out of indoor unit.
COOL	• This air conditioner cools the room by releasing the heat in the room outside. Therefore, the cooling performance of the air conditioner may be degraded if the outdoor temperature is high
DRY	• The computer chip works to rid the room of humidity while maintaining the temperature as much as possible. It automatically controls temperature and airflow rate, so manual adjustment of these functions is unavailable.
AUTO	• In AUTO operation, the system selects an appropriate operation mode (COOL or HEAT) based on the room and outside temperatures and starts the operation. • The system automatically reselects setting at a regular interval to bring the room temperature to user-setting level.
FAN	• This mode is valid for fan only.

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■ To change the temperature setting

Press Temp **.**

- The displayed items on the LCD will change whenever either one of the buttons is pressed.

COOL operation	HEAT operation	AUTO operation	DRY or FAN operation
18-32°C	10-30°C	18-30°C	The temperature setting is not variable.
Press ▲ to raise the temperature and press ▼ to lower the temperature.			

■ Operating conditions

■ Recommended temperature setting

- For cooling: 26-28°C
- For heating: 20-24°C

■ Tips for saving energy

- Be careful not to cool (heat) the room too much.
  Keeping the temperature setting at a moderate level helps save energy.
- Cover windows with a blind or a curtain.
  Blocking sunlight and air from outdoors increases the cooling (heating) effect.
- Clogged air filters cause inefficient operation and waste energy. Clean them once in about every 2 weeks.

■ Notes on the operating conditions

- The outdoor unit consumes some power to have its electric components work even while it is not operating.
  Connecting outdoor unit RXG25/35: 1-15W
  Other outdoor units: 15-20W
  The outdoor unit consumes 40 to 55W of power at the time of compressor preheating.
- If you are not going to use the air conditioner for a long period, for example in spring or autumn, turn the breaker off.
- Use the air conditioner in the following conditions.

MODE	Operating conditions	If operation is continued out of this range
COOL	Outdoor temperature : <2/3/4/5MXS> –10-46°C <RXG> –10-46°C Indoor temperature : 18-32°C Indoor humidity : 80% max.	• A safety device may work to stop the operation. (In multi system, it may work to stop the operation of the outdoor unit only.) • Condensation may occur on the indoor unit and drip.
HEAT	Outdoor temperature : <2MXS> –10-24°C <3/4/5MXS> –15-24°C <RXG> –15-24°C Indoor temperature : 10-30°C	• A safety device may work to stop the operation.
DRY	Outdoor temperature : <2/3/4/5MXS> –10-46°C <RXG> –10-46°C Indoor temperature : 18-32°C Indoor humidity : 80% max.	• A safety device may work to stop the operation. • Condensation may occur on the indoor unit and drip.

- Operation outside the humidity or temperature range described in the table may cause a safety device to disable the system.

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Adjusting the Airflow Direction and Rate



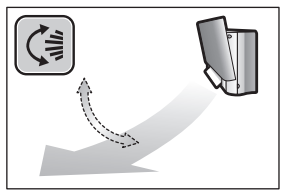
You can adjust the airflow direction to increase your comfort.

■ To start auto swing

Up and down airflow direction

Press Swing.

- "" is displayed on the LCD.
- The aps (horizontal blades) will begin to swing.



■ To set the flaps at desired position

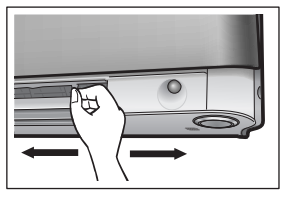
- This function is effective while flaps are in auto swing mode.

Press Swing when the flaps have reached the desired position.

- "" disappears from the LCD.

■ To adjust the louvers at desired position

Hold the knob and move the louvers.



- You will find a knob on the left-side and the right-side blades.
- When the unit is installed in the corner of a room, the direction of the louvers (vertical blades) should be facing away from the wall.
  If they face the wall, the wall will block off the wind, causing the cooling (or heating) efficiency to drop.
- If the flaps are in the way, press Swing on the remote controller to move the flaps out of the way and then adjust the louvers.

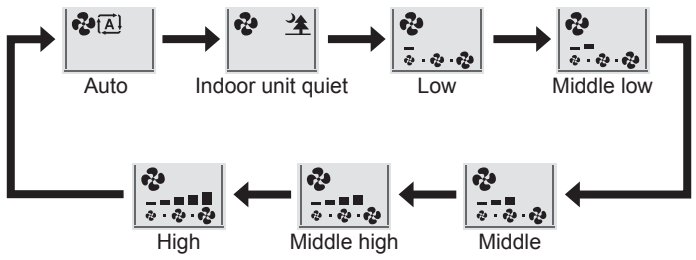
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■ To adjust the airflow rate setting

Press Fan **.**

• Each pressing of Fan advances the airflow rate setting in sequence.

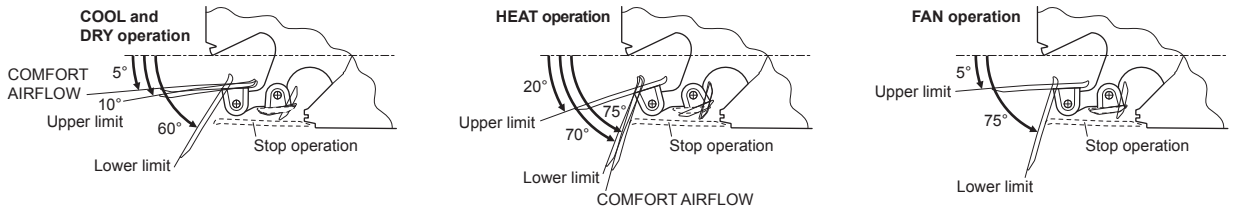


• When the airflow is set to " " , indoor unit quiet operation will start and the noise from the unit will become quieter.
• In indoor unit quiet operation, the airflow rate is set to a weak level.
• In DRY mode, the airflow rate setting is not variable.

NOTE

■ Note on the angles of the flaps

• The flaps swinging range depends on the operation. (See the figure.)



■ Note on airflow rate setting

• At smaller airflow rates, the cooling (heating) effect is also smaller.
• If the air conditioner is operated in COOL or DRY operation with the flaps kept stopped in the downward direction, the flaps will automatically start operating in approximately an hour in order to prevent dew condensation.

⚠ CAUTION

• Always use a remote controller to adjust the angles of the flaps. If you attempt to move it forcibly with hand when it is swinging, the mechanism may be broken.
• Be careful when adjusting the louvers.
Inside the air outlet, a fan is rotating at a high speed.

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COMFORT AIRFLOW Operation



The flow of air will be in the upward direction while in COOL operation and in the downward direction while in HEAT operation, which will provide a comfortable wind that will not come in direct contact with people.

■ To start COMFORT AIRFLOW operation

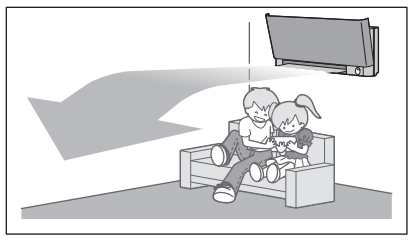
Press Comfort **.**

- "" is displayed on the LCD.
- Air flow rate is set to Auto.
  COOL/DRY: The flaps will go up.
  HEAT: The flaps will go down.

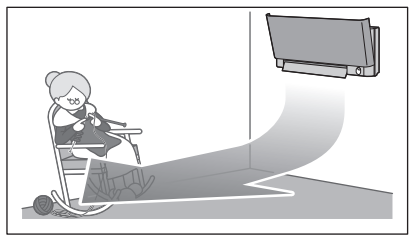
■ To cancel COMFORT AIRFLOW operation

Press Comfort **again.**

- The flaps will return to the memory position from before COMFORT AIRFLOW operation.
- "" disappears from the LCD.



COOL operation



HEAT operation

NOTE

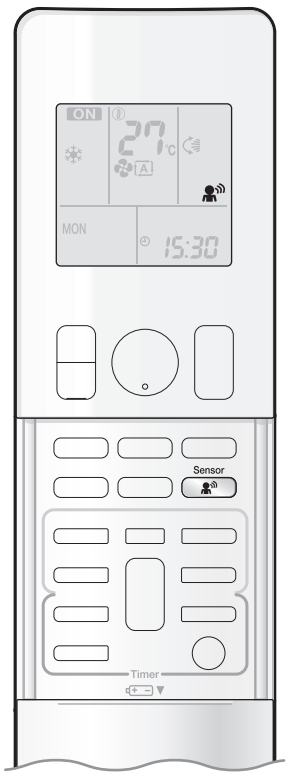
■ **Notes on COMFORT AIRFLOW operation**

- The position of the flaps will change, preventing air from blowing directly on the occupants of the room.
- POWERFUL operation and COMFORT AIRFLOW operation cannot be used at the same time.
  Priority is given to the function of whichever button is pressed last.
- The airflow rate will be set to Auto. If the up and down airflow direction is selected, the COMFORT AIRFLOW operation will be canceled.

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INTELLIGENT EYE Operation

English



"INTELLIGENT EYE" is the infrared sensor which detects the human movement. If no one is in the room for more than 20 minutes, the operation automatically changes to energy saving operation.

■ To start INTELLIGENT EYE operation

Sensor

Press [ ] .

- "[ ]" is displayed on the LCD.
- The INTELLIGENT EYE lamp lights up.



Display

■ To cancel INTELLIGENT EYE operation

Sensor

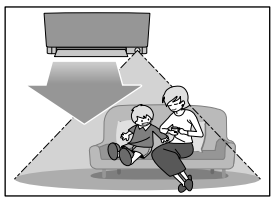
Press [ ] again.

- "[ ]" disappears from the LCD.
- The INTELLIGENT EYE lamp goes off.

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INTELLIGENT EYE Operation

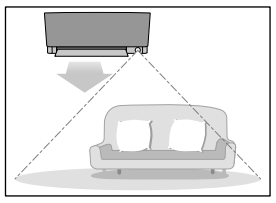
[Example]



When someone is in the room

■ **Normal operation**

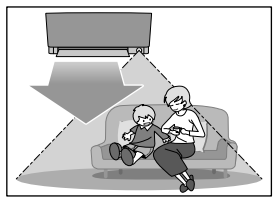
- The air conditioner is in normal operation while the sensor is detecting the movement of people.



When no one is in the room

■ **20 minutes after, start energy saving operation.**

- The set temperature is shifted in ±2°C steps.



Someone is back in the room

■ **Back to normal operation.**

- The air conditioner will return to normal operation when the sensor detects the movement of people again.

INTELLIGENT EYE operation is useful for energy saving

■ **Energy saving operation**

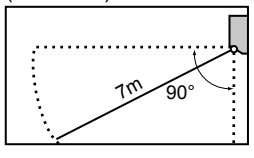
- If no presence detected in the room for 20 minutes, the energy saving operation will start.
- This operation changes the temperature –2°C in HEAT / +2°C in COOL / +1°C in DRY operation from set temperature.
- This operation decreases the airflow rate slightly in FAN operation only.

NOTE

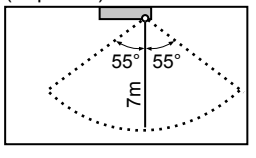
■ **Notes on INTELLIGENT EYE operation**

- Application range is as follows.

Vertical angle 90°
(Side view)



Horizontal angle 110°
(Top view)



- Sensor may not detect moving objects further than 7m away. (Check the application range.)
- Sensor detection sensitivity changes according to indoor unit location, the speed of passersby, temperature range, etc.
- The sensor also mistakenly detects pets, sunlight, fluttering curtains and light reflected off of mirrors as passersby.
- INTELLIGENT EYE operation will not go on during POWERFUL operation.
- NIGHT SET mode ▶Page 21 will not go on during use of INTELLIGENT EYE operation.

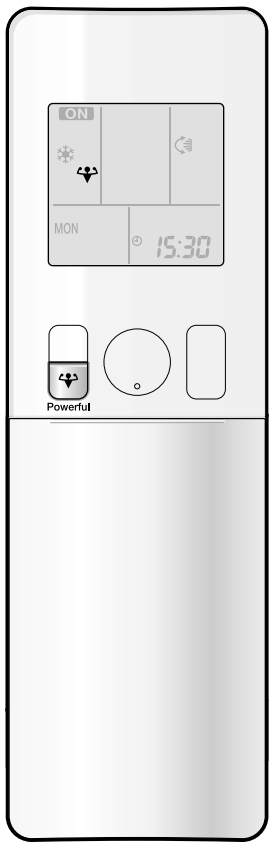
⚠ CAUTION

- Do not place large objects near the sensor.
  Also keep heating units or humidifiers outside the sensor's detection area. This sensor can detect undesirable objects.
- Do not hit or violently push the INTELLIGENT EYE sensor. This can lead to damage and malfunction.

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POWERFUL Operation

English



POWERFUL operation quickly maximizes the cooling (heating) effect in any operation mode. You can get the maximum capacity.

■ To start POWERFUL operation

Press Powerful during operation.

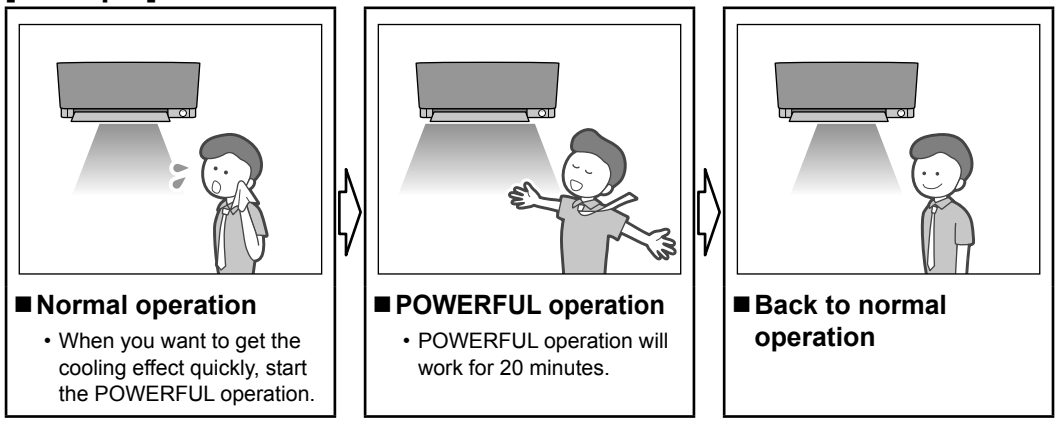
- POWERFUL operation ends in 20 minutes. Then the system automatically operates again with the previous settings which were used before POWERFUL operation.
- "" is displayed on the LCD.

■ To cancel POWERFUL operation

Press Powerful again.

- "" disappears from the LCD.

[Example]



■ Normal operation
- When you want to get the cooling effect quickly, start the POWERFUL operation.

■ POWERFUL operation
- POWERFUL operation will work for 20 minutes.

■ Back to normal operation

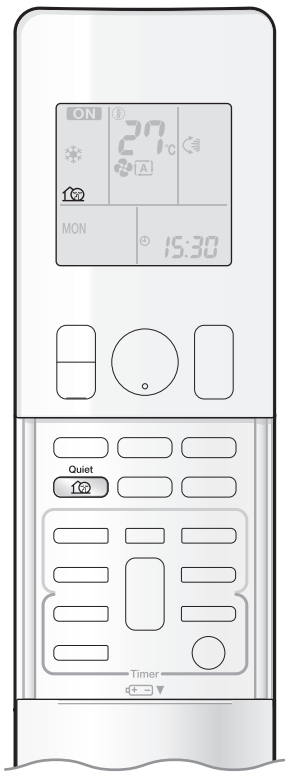
NOTE

■ Notes on POWERFUL operation

- When using POWERFUL operation, there are some functions which are not available.
- POWERFUL operation cannot be used together with ECONO, COMFORT AIRFLOW or OUTDOOR UNIT QUIET operation. Priority is given to the function of whichever button is pressed last.
- POWERFUL operation can only be set when the unit is running. Pressing On/Off causes the settings to be canceled, and the "" 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 and HEAT operation**
  To maximize the cooling (heating) effect, the capacity of outdoor unit is increased and the airflow rate is fixed to the maximum setting. The temperature and airflow settings are not variable.
- **In DRY operation**
  The temperature setting is lowered by 2.5°C and the airflow rate is slightly increased.
- **In FAN operation**
  The airflow rate is fixed to the maximum setting.
- **In AUTO operation**
  To maximize the cooling (heating) effect, the capacity of outdoor unit is increased and the airflow rate is fixed to the maximum setting.
- **When using priority room setting**
  See note for multi system. ▶Page 29

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OUTDOOR UNIT QUIET Operation



OUTDOOR UNIT QUIET operation lowers the noise level of the outdoor unit by changing the frequency and fan speed on the outdoor unit. This function is convenient during the night.

■ To start OUTDOOR UNIT QUIET operation

Press Quiet **.**

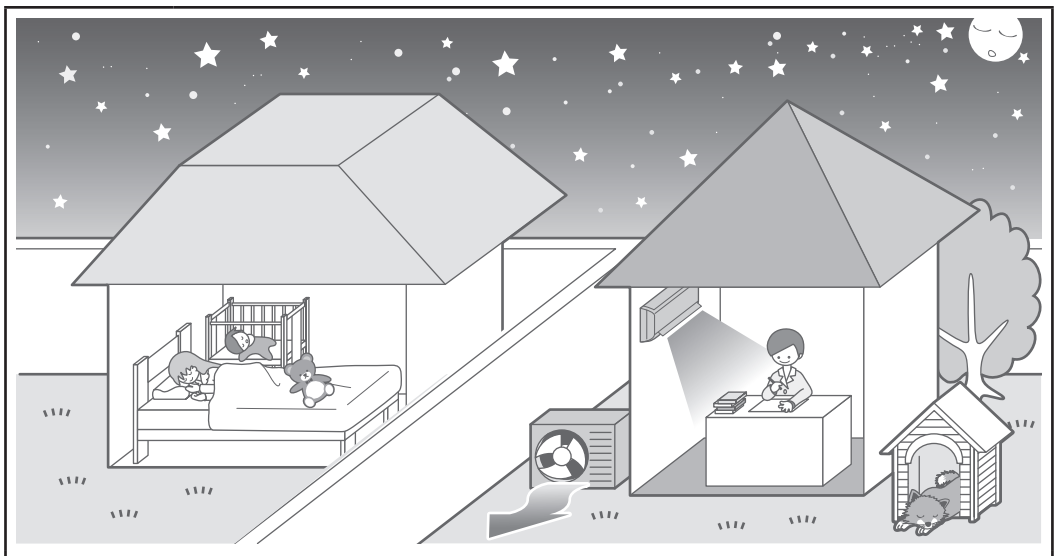
- "" is displayed on the LCD.

■ To cancel OUTDOOR UNIT QUIET operation

Press Quiet **again.**

- "" disappears from the LCD.

[Example] **Using the OUTDOOR UNIT QUIET operation during the night.**



- The noise level of the outdoor unit will be lower.
  This is convenient when you need to consider the noise in your neighborhood.

NOTE

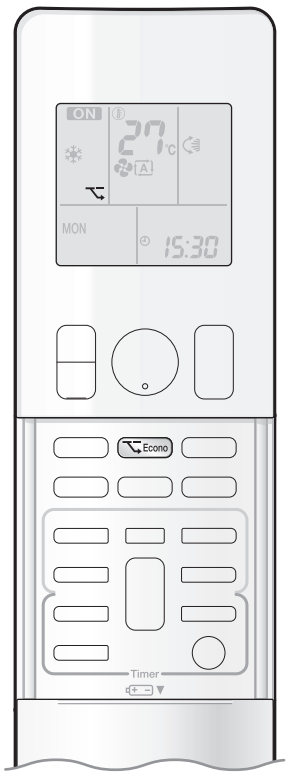
■ Notes on OUTDOOR UNIT QUIET operation

- If using a multi system, the OUTDOOR UNIT QUIET operation will work only when this function is set on all operated indoor units. However, if using priority room setting, refer to note for multi system. ▶Page 29
- This function is available in COOL, HEAT, and AUTO operation.
  This is not available in FAN and DRY operation.
- POWERFUL operation and OUTDOOR UNIT QUIET operation cannot be used at the same time.
  Priority is given to the function of whichever button is pressed last.
- Even if the operation is stopped using the remote controller or the indoor unit ON/OFF switch when using OUTDOOR UNIT QUIET operation, "" will remain on the remote controller display.
- OUTDOOR UNIT QUIET operation will drop neither the frequency nor fan speed if they have been already dropped low enough.

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ECONO Operation

English



ECONO operation is a function which enables efficient operation by limiting the maximum power consumption value.
This function is useful for cases in which attention should be paid to ensure a circuit breaker will not trip when the product runs alongside other appliances.

■ To start ECONO operation

Press Econo during operation.

- "ECONO" is displayed on the LCD.

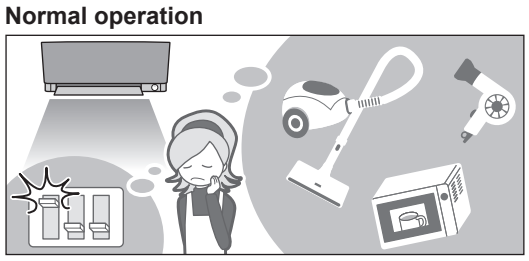
■ To cancel ECONO operation

Press Econo again.

- "ECONO" disappears from the LCD.

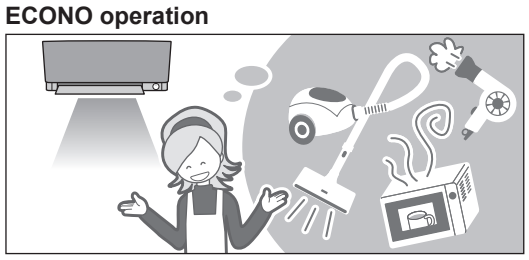
[Example]

Normal operation



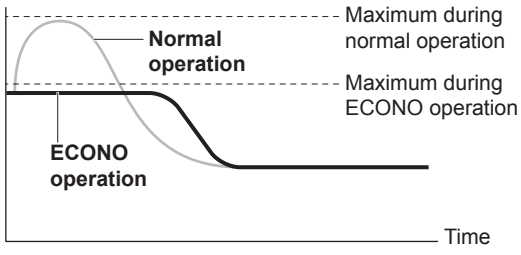
- In case the air conditioner and other appliances which require high power consumption are used at the same time, a circuit breaker may trip if the air conditioner operates with its maximum capacity.

ECONO operation



- The maximum power consumption of the air conditioner is limited by using ECONO operation.
  The circuit breaker will hardly trip even if the air conditioner and other appliances are used at same time.

Running current and power consumption



From start up until set temperature is reached

- This diagram is a representation for illustrative purposes only.
  The maximum running current and power consumption of the air conditioner in ECONO operation vary with the connecting outdoor unit.

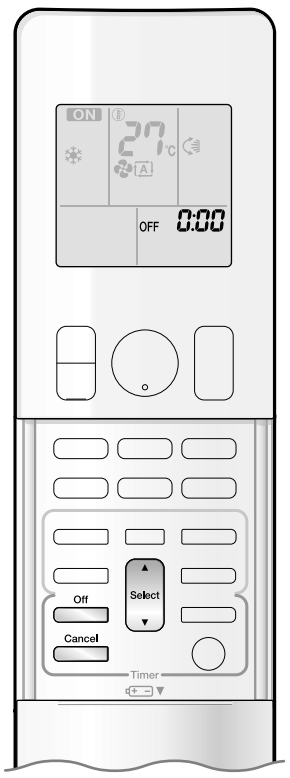
NOTE

■ Notes on ECONO operation

- ECONO operation can only be set when the unit is running. Pressing On/Off causes the settings to be canceled, and the "ECONO" disappears from the LCD.
- ECONO operation is a function which enables efficient operation by limiting the power consumption of the outdoor unit (operating frequency).
- ECONO operation functions in AUTO, COOL, DRY, and HEAT operation.
- POWERFUL and ECONO operation cannot be used at the same time.
  Priority is given to the function of whichever button is pressed last.
- If the level of power consumption is already low, ECONO operation will not drop the power consumption.

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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 OFF TIMER and ON TIMER in combination.

■ To use OFF TIMER operation

- Check that the clock is correct.
  If not, set the clock to the present time. ▶Page 10

1. Press Off.



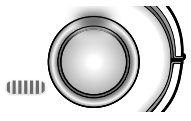
- " 0:00 " is displayed on the LCD.
- " OFF " blinks.
- " ◷ " and day of the week disappear from the LCD.

2. Press Select until the time setting reaches the point you like.

- Each pressing of either button increases or decreases the time setting by 10 minutes.
  Holding down either button changes the time setting rapidly.

3. Press Off again.

- " OFF " and setting time are displayed on the LCD.
- The multi-monitor lamp blinks twice.
  The TIMER lamp periodically lights orange. ▶Page 5



Display

■ To cancel OFF TIMER operation

Press Cancel.

- " OFF " and setting time disappear from the LCD.
- " ◷ " and day of the week are displayed on the LCD.

NOTE

■ Notes on TIMER operation

- When TIMER is set, the present time is not displayed.
- Once you set ON/OFF TIMER, the time setting is kept in the memory. The memory is canceled when remote controller batteries are replaced.
- When operating the unit via the ON/OFF TIMER, the actual length of operation may vary from the time entered by the user. (Maximum approx. 10 minutes)

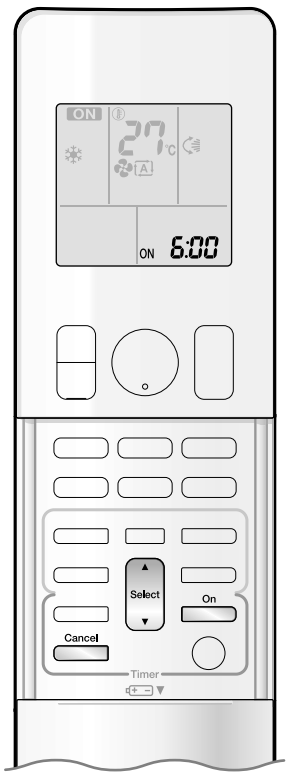
■ NIGHT SET mode

- When the OFF TIMER is set, the air conditioner automatically adjusts the temperature setting (0.5°C up in COOL, 2.0°C down in HEAT) to prevent excessive cooling (heating) for your pleasant sleep.

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ON TIMER Operation

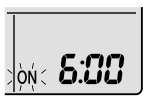
English



■ To use ON TIMER operation

• Check that the clock is correct.
If not, set the clock to the present time. ▶Page 10

1. Press On.



• " 6:00 " is displayed on the LCD.
• " ON " blinks.

• " ◴ " and day of the week disappear from the LCD.

2. Press Select until the time setting reaches the point you like.

• Each pressing of either button increases or decreases the time setting by 10 minutes.
Holding down either button changes the setting rapidly.

3. Press On again.

• " ON " and setting time are displayed on the LCD.
• The multi-monitor lamp blinks twice.
The TIMER lamp periodically lights orange. ▶Page 5



Display

■ To cancel ON TIMER operation

Press Cancel.

• " ON " and setting time disappear from the LCD.
• " ◴ " and day of the week are displayed on the LCD.

■ To combine ON TIMER and OFF TIMER

• A sample setting for combining the 2 timers is shown below.

(Example)
Present time: 23:00 (The unit operating)
OFF TIMER at 0:00) Combined
ON TIMER at 14:00)



NOTE

■ **In the following cases, set the timer again.**
- After a breaker has turned off.
- After a power failure.
- After replacing batteries in the remote controller.

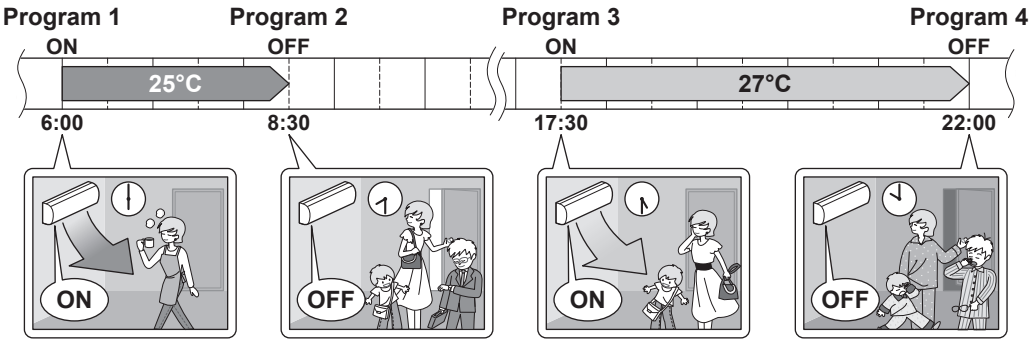
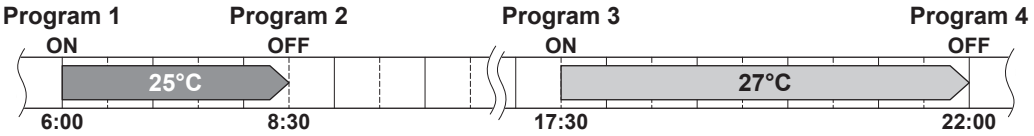
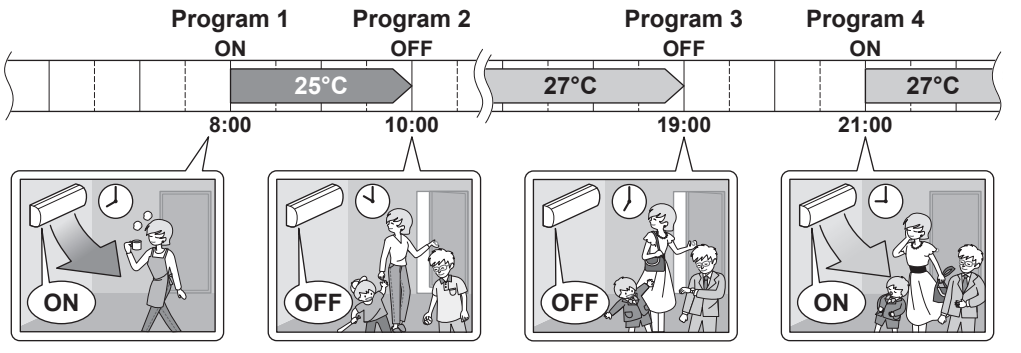
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WEEKLY TIMER Operation

Up to 4 timer settings can be saved for each day of the week. It is convenient if the WEEKLY TIMER is set according to the family's life style.

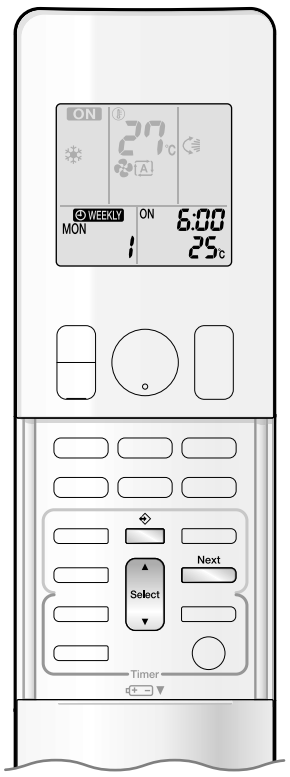
■ Setting example of the WEEKLY TIMER

Example: The same timer settings are made for the week from Monday through Friday while different timer settings are made for the weekend.

<table>
<tr><td>[Monday]</td><td>Make timer settings up to programs 1-4. ▶Page 24

</td></tr>
<tr><td>[Tuesday]
to
[Friday]</td><td>Use the copy mode to make settings for Tuesday to Friday, because these settings are the same as those for Monday. ▶Page 26

</td></tr>
<tr><td>[Saturday]</td><td>No timer settings</td></tr>
<tr><td>[Sunday]</td><td>Make timer settings up to programs 1-4. ▶Page 24

</td></tr>
</table>

- Up to 4 reservations per day and 28 reservations per week can be set in the WEEKLY TIMER. The effective use of the copy mode ensures ease of making reservations.
- The use of ON-ON-ON-ON settings, for example, makes it possible to schedule operating mode and set temperature changes. Furthermore, by using OFF-OFF-OFF-OFF settings, only the turn off time of each day can be set. This will turn off the air conditioner automatically if the user forgets to turn it off.

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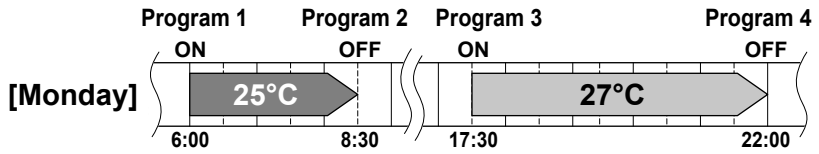


■ To use WEEKLY TIMER operation

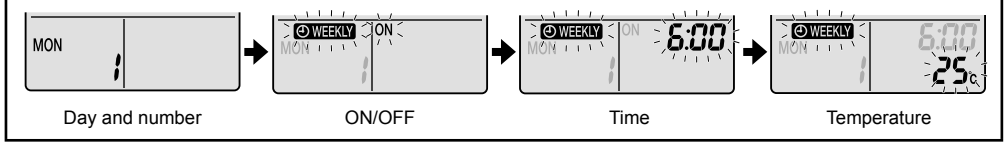
Setting mode

• Make sure the day of the week and time are set. If not, set the day of the week and time.

▶Page 10



Setting Displays



1. Press ◈ **.**

• The day of the week and the reservation number of the current day will be displayed.
• 1 to 4 settings can be made per day.

2. Press Select **to select the desired day of the week and reservation number.**

• Pressing Select changes the reservation number and the day of the week.

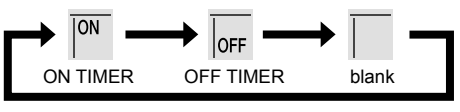
3. Press Next **.**

• The day of the week and reservation number will be set.
• "WEEKLY" and "ON" blink.

4. Press Select **to select the desired mode.**

• Pressing Select changes "ON" or "OFF" setting in sequence.

Pressing ▲ alternates the following items appearing on the LCD in rotational sequence.



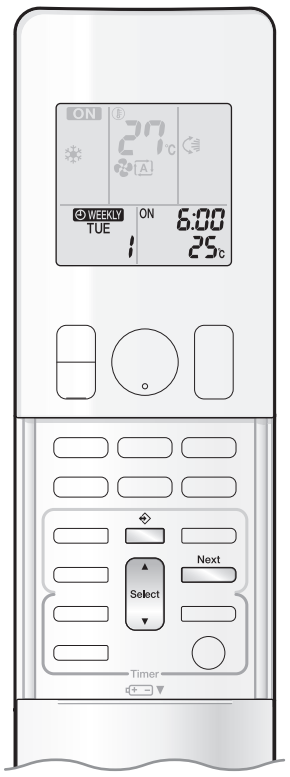
• In case the reservation has already been set, selecting "blank" deletes the reservation.
• Go to step ***9*** if "blank" is selected.
• To return to the day of the week and reservation number setting, press Back.

5. Press Next **.**

• The ON/OFF TIMER mode will be set.
• "WEEKLY" and the time blink.

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WEEKLY TIMER Operation



6. Press Select to select the desired time.

- The time can be set between 0:00 and 23:50 in 10 minute intervals.
- To return to the ON/OFF TIMER mode setting, press Back.
- Go to step ***9*** when setting the OFF TIMER.

7. Press Next.

- The time will be set.
- "WEEKLY" and the temperature blink.

8. Press Select to select the desired temperature.

- The temperature can be set between 10°C and 32°C.
  COOL or AUTO: The unit operates at 18°C even if it is set at 10 to 17°C.
  HEAT or AUTO: The unit operates at 30°C even if it is set at 31 to 32°C.
- To return to the time setting, press Back.
- The set temperature is only displayed when the mode setting is on.

9. Press Next.

- Be sure to direct the remote controller toward the indoor unit and check for a receiving tone and flashing of the multi-monitor lamp.
- The temperature and time are set while in ON TIMER operation, and the time is set while in OFF TIMER operation.
- The next reservation screen will appear.
- To continue further settings, repeat the procedure from step ***4***.
- The multi-monitor lamp blinks twice.
  The TIMER lamp periodically lights orange. ▶Page 5
  The multi-monitor lamp will not blink orange if all the reservation settings are deleted.



Display

10. Press ◈ to complete the setting.

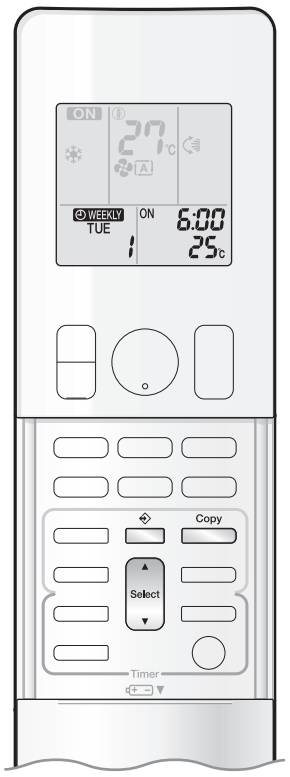
- "WEEKLY" is displayed on the LCD and WEEKLY TIMER operation is activated.
- A reservation made once can be easily copied and the same settings used for another day of the week. Refer to copy mode. ▶Page 26

NOTE

■ **Notes on WEEKLY TIMER operation**

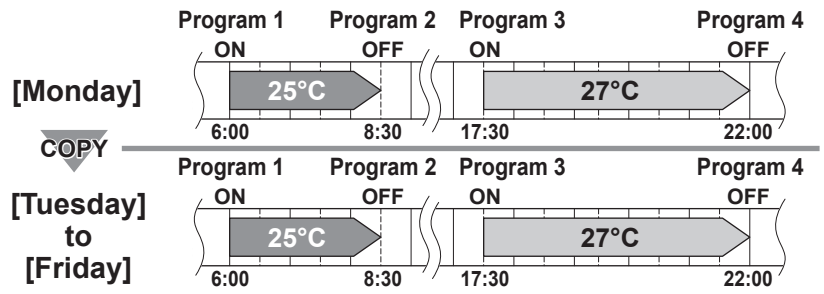
- Do not forget to set the clock on the remote controller rst. ▶Page 10
- The day of the week, ON/OFF TIMER mode, time and set temperature (only for ON TIMER mode) can be set with WEEKLY TIMER. Other settings for ON TIMER are based on the settings just before the operation.
- Both WEEKLY TIMER and ON/OFF TIMER operation cannot be used at the same time. The ON/OFF TIMER operation has priority if it is set while WEEKLY TIMER is still active. The WEEKLY TIMER will go into standby state, and "WEEKLY" will disappear from the LCD. When ON/OFF TIMER is up, the WEEKLY TIMER will automatically become active.
- Shutting the breaker off, power failure, and other similar events will render operation of the indoor unit's internal clock inaccurate. Reset the clock. ▶Page 10

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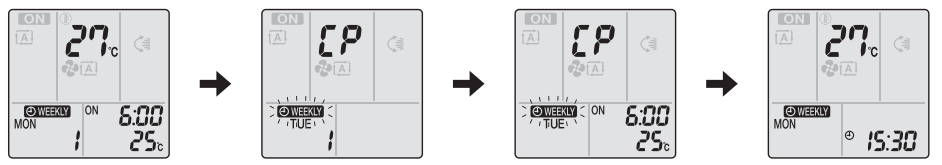


Copy mode

• A reservation made once can be copied to another day of the week. The whole reservation of the selected day of the week will be copied.



Setting Displays



1. Press [◈] .

2. Press [Select] to confirm the day of the week to be copied.

3. Press [Copy] .

• The whole reservation of the selected day of the week will be copied.

4. Press [Select] to select the destination day of the week.

5. Press [Copy] .

• Be sure to direct the remote controller toward the indoor unit and check for a receiving tone and flashing the multi-monitor lamp.
• The reservation will be copied to the selected day of the week. The whole reservation of the selected day of the week will be copied.
• To continue copying the settings to other days of the week, repeat step ***4*** and step ***5***.
• The multi-monitor lamp blinks twice. The TIMER lamp periodically lights orange.

6. Press [◈] to complete the setting.

• "WEEKLY" is displayed on the LCD and WEEKLY TIMER operation is activated.

NOTE

■ **Note on copy mode**

• The entire reservation of the source day of the week is copied in the copy mode.

In the case of making a reservation change for any day of the week individually after copying the content of weekly reservations, press [◈] and change the settings in the steps of setting mode. ▶Page 24

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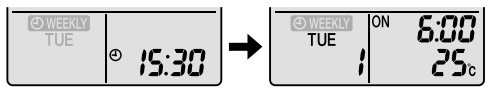
WEEKLY TIMER Operation



■ Confirming a reservation

• The reservation can be confirmed.

Setting Displays



Normal Confirmation

1. Press [ ].

• The day of the week and the reservation number of the current day will be displayed.

2. Press [Select] to select the day of the week and the reservation number to be confirmed.

• Pressing [Select] displays the reservation details.

• To change the confirmed reserved settings, select the reservation number and press [Next].
The mode is switched to setting mode. Go to setting mode step *2*. ▶Page 24

3. Press [ ] to exit confirming mode.

■ To deactivate WEEKLY TIMER operation

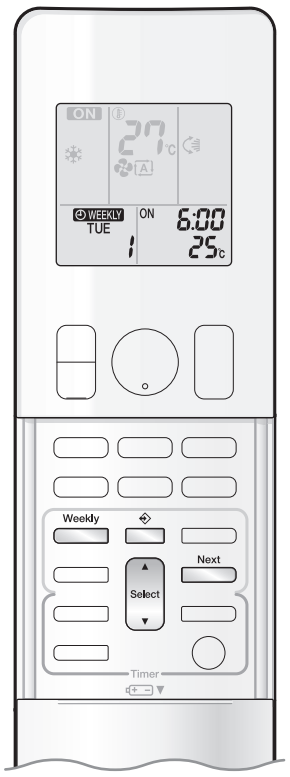
Press [Weekly] while "WEEKLY" is displayed on the LCD.

• The "WEEKLY" will disappear from the LCD.
• The TIMER lamp goes off.
• To reactivate the WEEKLY TIMER operation, press [Weekly] again.
• If a reservation deactivated with [Weekly] is activated once again, the last reservation mode will be used.

⚠ CAUTION

• If not all the reservation settings are reflected, deactivate the WEEKLY TIMER operation once. Then press [Weekly] again to reactivate the WEEKLY TIMER operation.

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■ To delete reservations

The individual reservation

1. Press ◈.

- The day of the week and the reservation number will be displayed.

2. Press Select to select the day of the week and the reservation number to be deleted.

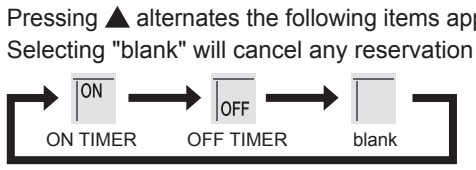
3. Press Next.

- "WEEKLY" and "ON" or "OFF" blink.

4. Press Select and select "blank".

- Pressing Select changes ON/OFF TIMER mode.

  Pressing ▲ alternates the following items appearing on the LCD in rotational sequence.
- Selecting "blank" will cancel any reservation you may have.



5. Press Next.

- The selected reservation will be deleted.

6. Press ◈.

- If there are still other reservations, WEEKLY TIMER operation will be activated.

The reservations for each day of the week

- This function can be used for deleting reservations for each day of the week.
- It can be used while confirming or setting reservations.

1. Press Select to select the day of the week to be deleted.

2. Hold Weekly for 5 seconds.

- The reservation of the selected day of the week will be deleted.

All reservations

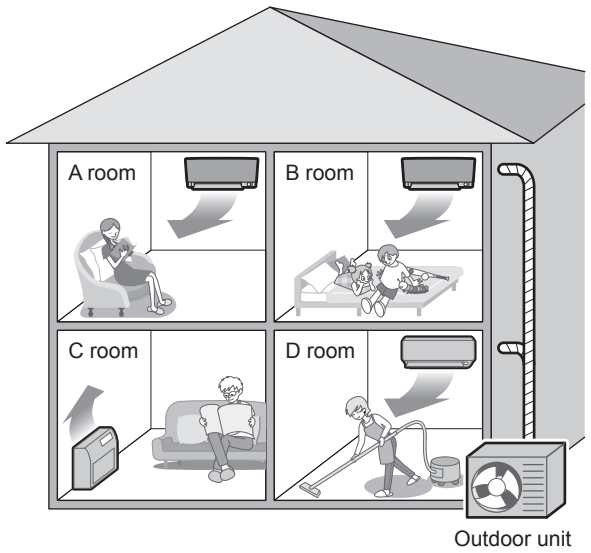
Hold Weekly for 5 seconds while in normal display.

- Be sure to direct the remote controller toward the indoor unit and check for a receiving tone.
- This operation is not effective while WEEKLY TIMER is being set.
- All reservations will be deleted.

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Note for Multi System

Multi system has one outdoor unit connected to multiple indoor units.



■ Selecting the operation mode

With the priority room setting present but the priority unit inactive or not present.

When more than one indoor unit is operating, priority is given to the first unit that was turned on.
In this case, set the units that are turned on later to the same operation mode as the first unit.
Otherwise, they will enter the standby state, and the multi-monitor lamp will flash: this does not indicate malfunction.

NOTE

■ **Notes on operation mode for multi system**

- COOL, DRY and FAN operation may be used at the same time.
- AUTO operation automatically selects COOL operation or HEAT operation based on the room temperature.
  Therefore, AUTO operation is available when selecting the same operation mode as that of the room with the first unit to be turned on.

⚠ CAUTION

- Normally, the operation mode in the room where the unit is first run is given priority, but the following situations are exceptions, so please keep this in mind.
  If the operation mode of the first room is FAN operation, then using HEAT operation in any room after this will give priority to HEAT operation. In this situation, the air conditioner running in FAN operation will go on standby, and the multi-monitor lamp will flash.

With the priority room setting active.

Refer to priority room setting on the next page.

■ NIGHT QUIET mode (Available only for COOL operation)

NIGHT QUIET mode requires initial programming during installation. Please consult your retailer or dealer for assistance.
NIGHT QUIET mode reduces the operation noise of the outdoor unit during the nighttime hours to prevent annoyance to neighbors.

- The NIGHT QUIET mode is activated when the temperature drops 5°C or more below the highest temperature recorded that day.
  Therefore, when the temperature difference is less than 5°C, this function will not be activated.
- NIGHT QUIET mode reduces slightly the cooling efficiency of the unit.

■ OUTDOOR UNIT QUIET operation

Refer to OUTDOOR UNIT QUIET operation. ▶Page 19

With the priority room setting present but the priority unit inactive or not present.

When using the OUTDOOR UNIT QUIET operation feature with the multi system, set all indoor units to OUTDOOR UNIT QUIET operation using their remote controllers.
When clearing OUTDOOR UNIT QUIET operation, clear one of the operating indoor units using their remote controller.
However OUTDOOR UNIT QUIET operation display remains on the remote controller for other rooms.
We recommend you release all rooms using their remote controllers.

With the priority room setting active.

Refer to priority room setting on the next page.

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■ COOL/HEAT mode lock

The COOL/HEAT mode lock requires initial programming during installation. Please consult your authorized dealer for assistance. The COOL/HEAT mode lock sets the unit forcibly to either COOL or HEAT operation. This function is convenient when you wish to set all indoor units connected to the multi system to the same operation mode.

NOTE

- The COOL/HEAT mode lock cannot be activated together with the priority room setting.

■ Priority room setting

The priority room setting requires initial programming during installation. Please consult your authorized dealer for assistance. The room designated as the priority room takes priority in the following situations.

Operation mode priority

- As the operation mode of the priority room takes precedence, the user can select a different operation mode from other rooms.

[Example]

- Room A is the priority room in the examples.
  When COOL operation is selected in room A while operating the following modes in room B, C and D :

Operation mode in room B, C and D	Status of room B, C and D when the unit in room A is in COOL operation
COOL or DRY or FAN	Current operation mode maintained
HEAT	The unit enters standby mode. Operation resumes when the room A unit stops operating.
AUTO	If the unit is set to COOL operation, it continues. If the unit is set to HEAT operation, it enters standby mode. Operation resumes when the room A unit stops operating.

Priority when POWERFUL operation is used

[Example]

- Room A is the priority room in the examples.
  The indoor units in rooms A, B, C and D are all operating. If the unit in room A enters POWERFUL operation, operation capacity will be concentrated in room A. In such a case, the cooling (heating) efficiency of the units in room B, C and D may be slightly reduced.

Priority when using OUTDOOR UNIT QUIET operation

[Example]

- Room A is the priority room in the examples.
  Just by setting the unit in room A to QUIET operation, the air conditioner starts OUTDOOR UNIT QUIET operation.
  You don’t have to set all the operated indoor units to QUIET operation.

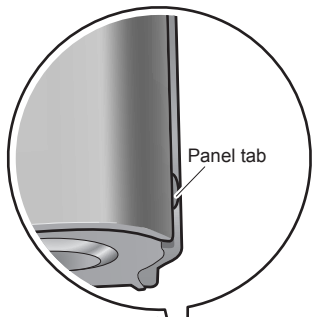
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Care and Cleaning

■ Quick reference

How to open / close the front panel

- Hold the front panel by the panel tabs on the both sides and open it.
- Press the front panel at both sides to close it.



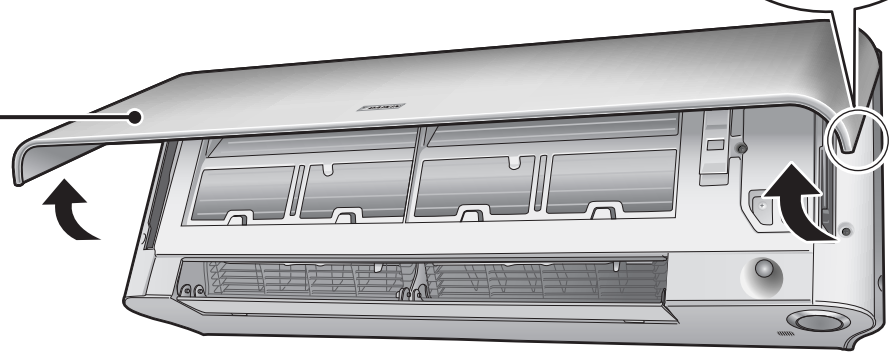
Cleaning parts

Front panel

- Wipe it with soft cloth soaked in water.

If bothered by dirt

Refer to ▶Page 34

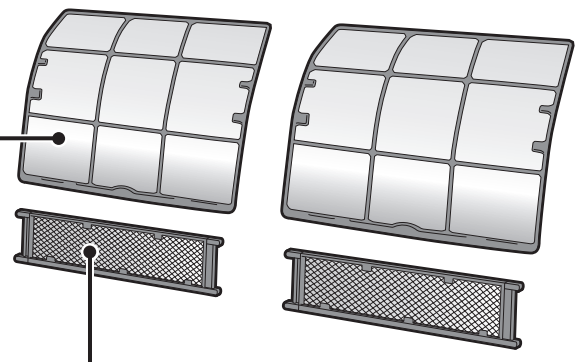


Air filter

- Vacuum dust or wash the filter.

Once every 2 weeks

Refer to ▶Page 32



Titanium apatite photocatalytic air-purifying filter

- Vacuum dust or replace the filter.

[Cleaning]

Once every 6 months

Refer to ▶Page 33

[Replacement]

Once every 3 years

Refer to ▶Page 33

Indoor unit and remote controller

- Wipe them with soft cloth.

If bothered by dirt

Notes on cleaning

■ **For cleaning, do not use the materials as follows.**

- Hot water above 40°C.
- Benzine, gasoline, thinner, other volatile oils.
- Polishing compound.
- Scrubbing brushes, other hard stuff.



⚠ CAUTION

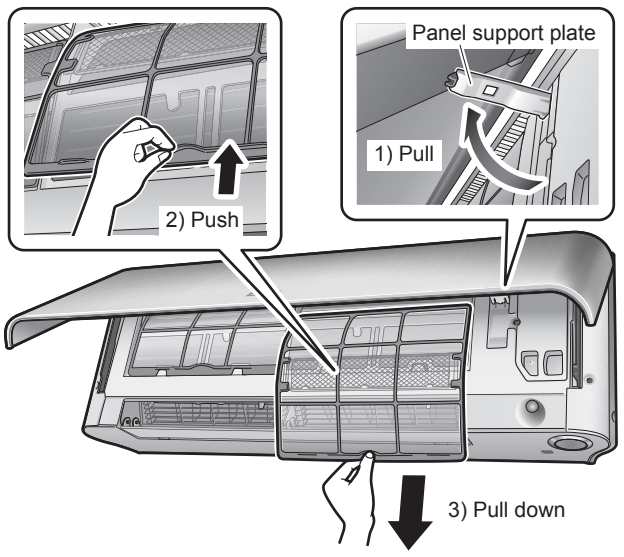
- Before cleaning, be sure to stop the operation and turn the breaker off.
- Do not touch the aluminium fins of the indoor unit. If you touch those parts, this may cause an injury.

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■ Air filter

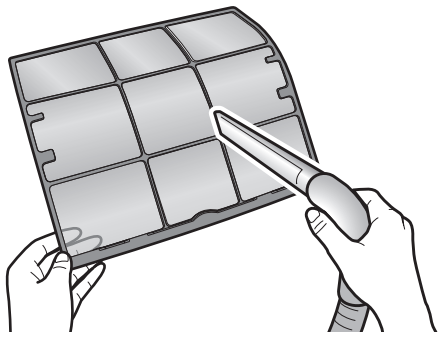
1. Pull out the air filters.

- Open the front panel.
- Secure the front panel with the panel support plate.
- Push the filter tab at the center of each air filter a little upwards, then pull it down.



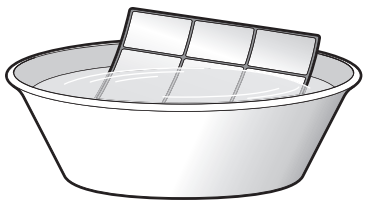
2. Wash the air filters with water or clean them with vacuum cleaner.

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



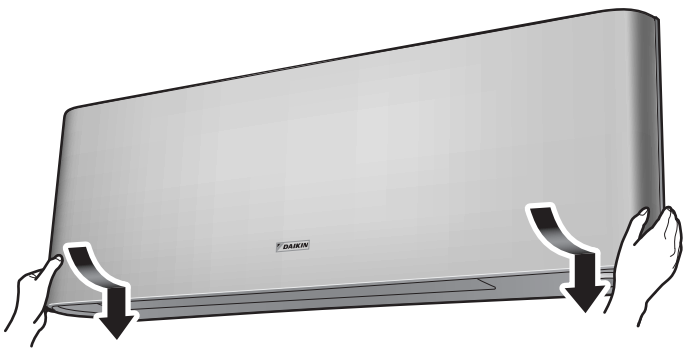
If the dust does not come off easily

- 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.



3. Set the filters as they were and close the front panel.

- Press the front panel at both sides, and then pull down to close the front panel.



⚠ CAUTION

- Do not touch the aluminium fins by bare hand at the time of dismounting or mounting the filter.

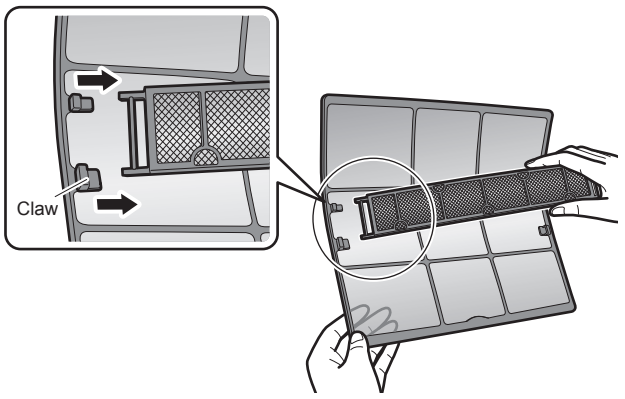
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Care and Cleaning

■ Titanium apatite photocatalytic air-purifying filter

1. Take off the titanium apatite photocatalytic air-purifying filter.

- Open the front panel and pull out the air filters.
- Hold the recessed parts of the frame and unhook the 4 claws.

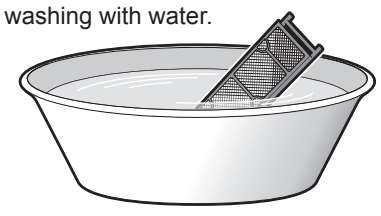


2. Clean or replace the titanium apatite photocatalytic air-purifying filter.

[Maintenance]

2-1 Vacuum dusts, and soak in cold water (avoid using warm or hot water).
10 to 15 minutes if dirt is heavy.

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

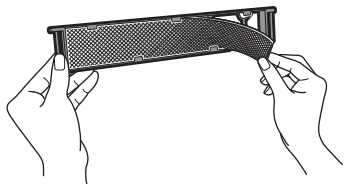


2-2 After washing, shake off remaining water and dry in the shade.

- Since the material is made out of polyester, do not wring out the filter when removing water from it.

[Replacement]

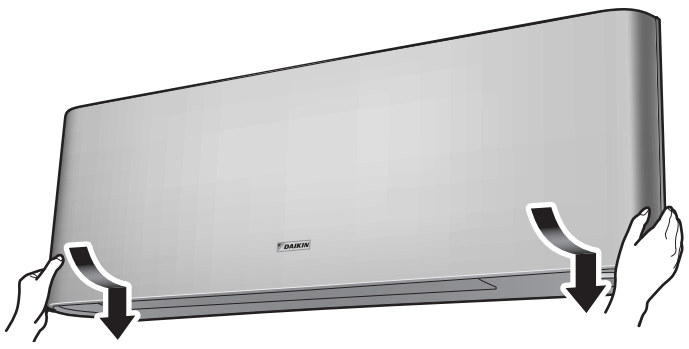
Remove the filter from the filter frame and attach a new one.



- 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.

3. Set the filters as they were and close the front panel.

- Press the front panel at both sides, and then pull down to close the front panel.



NOTE

- Operation with dirty filters:
  - cannot deodorize the air,
  - cannot clean the air,
  - results in poor heating or cooling,
  - may cause odour.
- Dispose of old filters as non-flammable waste.
- To order titanium apatite photocatalytic air-purifying lter contact to the service shop there you bought the air conditioner.

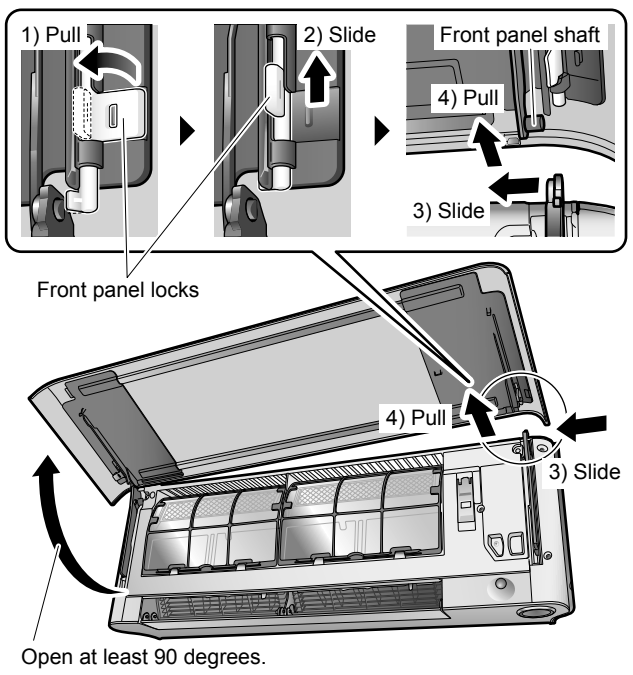
Item	Titanium apatite photocatalytic air-purifying filter (without frame) 1 set
Part No.	KAF970A46

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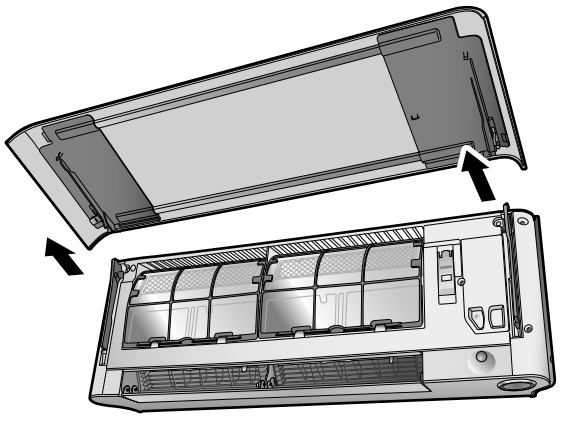
■ Removing the front panel

1. Remove the front panel.

- Open the front panel.
- Open the front panel at least 90 degrees.
- Release the front panel locks on each side, and disconnect the front panel shaft.



- Disconnect the front panel shaft on the other side in the same manner.

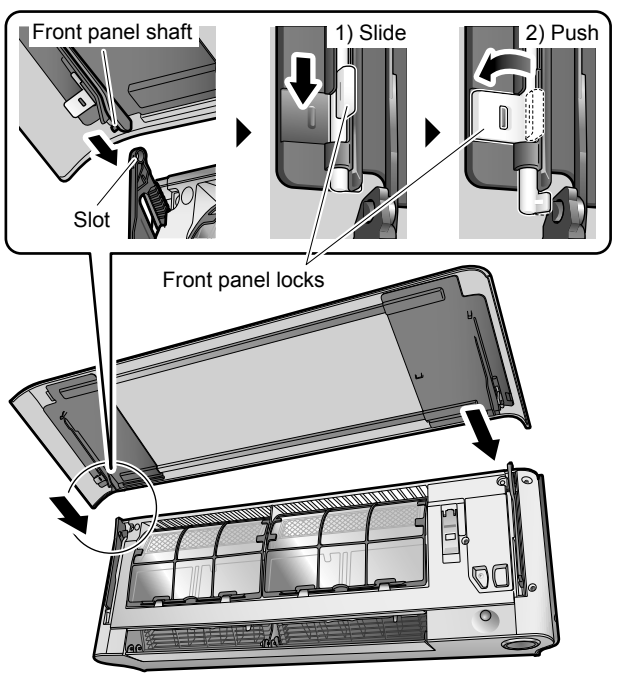


2. Clean the front panel.

- Wipe it with a soft cloth soaked in water.
- Only neutral detergent may be used.

3. Attach the front panel.

- Align the front panel shaft on the left and right of the front panel with the slots, then push them all the way in.



- Close the front panel slowly.

⚠ CAUTION

- When removing or attaching the front panel, use a robust and stable stool and watch your steps carefully.
- When removing or attaching the front panel, support the panel securely with hand to prevent it from falling.
- After cleaning, make sure that the front panel is securely fixed.

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Care and Cleaning

■ Check the units

■ Check that the base, stand and other fittings of the outdoor unit are not decayed or corroded.

■ Check that nothing blocks the air inlets and the outlets of the indoor unit and the outdoor unit.

■ Check that the drain comes smoothly out of the drain hose during COOL or DRY operation.

• If no drain water is seen, water may be leaking from the indoor unit. Stop operation and consult the service shop if this is the case.

■ Before a long idle period

1. Operate the FAN only for several hours on a fine day to dry out the inside.

• Press Mode and select "" operation.

• Press On/Off and start the operation.

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

3. Clean the air filters and set them again.

4. Take out batteries from the remote controller.

• When a multi outdoor unit is connected, make sure the HEAT operation is not used at the other room before you use the FAN operation. ▶Page 29

■ 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 specialist aside from regular cleaning by the user.

• For specialist maintenance, contact the service shop where you bought the air conditioner.

• The maintenance cost must be borne by the user.

■ Important information regarding the refrigerant used

• This product contains fluorinated greenhouse gases covered by the Kyoto Protocol.
Refrigerant type:**R410A**
GWP(1) value:**1975**
(1) GWP = global warming potential

• Periodical inspections for refrigerant leaks may be required depending on European or local legislation. Please contact your local dealer for more information.

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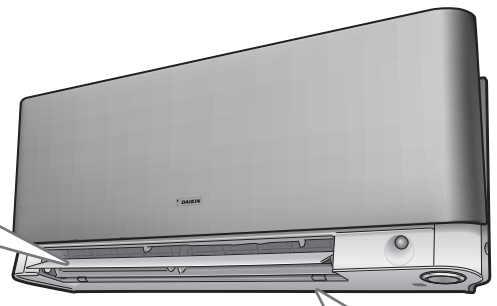
Troubleshooting

English

■ These cases are not troubles.

• The following cases are not air conditioner troubles but have some reasons. You may just continue using it.

Indoor unit



The flaps do not start swinging immediately.

• The air conditioner is adjusting the position of the flaps. The flaps will start moving soon.

The air conditioner stops generating airflow during operation.

• Once the set temperature is reached, the airflow rate is reduced and operation stopped in order to avoid generating cool airflow (during heating) or in order to keep the humidity from rising (during cooling). Operation will resume automatically when the indoor temperature rises or falls.

Operation does not start soon.

■ **When "ON/OFF" 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.

The HEAT operation stops suddenly and a flowing sound is heard.

• The outdoor unit is taking away the frost. The HEAT operation starts after the frost on the outdoor unit is removed. You should wait for about 4 to 12 minutes.

A sound is heard.

■ **A sound like a flow of 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 heard when the water is pumped out from the air conditioner in cooling or drying operation.
• The refrigerant flows in the air conditioner even if the air conditioner is not working when the indoor units in other rooms are in operation.

■ **Blowing sound**

• This sound is generated when the flow of the refrigerant in the air conditioner is switched over.

■ **Pinging sound**

• This sound is generated when the size of the air conditioner slightly expands or shrinks as a result of temperature changes.

■ **Whistling sound**

• This sound is generated when refrigerant flows during defrosting operation.

■ **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

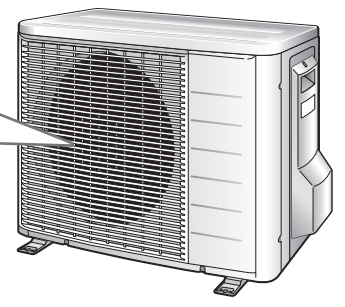
The outdoor unit emits water or steam.

■ **In HEAT operation**

• The frost on the outdoor unit melts into water or steam when the air conditioner is in defrost operation.

■ **In COOL or DRY operation**

• Moisture in the air condenses into water on the cool surface of outdoor unit piping and drips.



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Troubleshooting

- Troubleshooting measures are classified into the following two types on a remedial basis.
  Take an appropriate measure according to the symptom.



Not trouble

- These cases are not troubles.



Check

- Please check again before calling a repair person.

The air conditioner does not operate. (Multi-monitor lamp is off.)

- Hasn't a breaker turned off or a fuse blown?
- Isn't it a power failure?
- Are batteries set in the remote controller?
- Is the timer setting correct?



Cooling (Heating) effect is poor.

- Are the air filters clean?
- Is there anything to block the air inlet or the outlet of the indoor and the outdoor units?
- Is the temperature setting appropriate?
- Are the windows and doors closed?
- Are the airflow rate and the airflow direction set appropriately?



An abnormal functioning happens during operation.

- The air conditioner may malfunction with lightning or radio waves. Turn the breaker off, turn it on again and try operating the air conditioner with the remote controller.



Operation stopped suddenly. (Multi-monitor lamp flashes.)

- Are the air filters clean?
  Clean the air filters.
- Is there anything to block the air inlet or the outlet of the indoor and the outdoor units?
- Turn the bleaker off and take all obstacles away. Then turn it on again and try operating the air conditioner with the remote controller. If the lamp still flashes, call the service shop where you bought the air conditioner.
- Are operation modes all the same for indoor units connected to outdoor units in the multi system?
  If not, set all indoor units to the same operation mode and confirm that the lamps flash.
  Moreover, when the operation mode is in AUTO, set all indoor unit operation modes to COOL or HEAT for a moment and check again that the lamps are normal. If the lamps stop flashing after the above steps, there is no malfunction. ▶Page 29



Front panel does not open. (Multi-monitor lamp flashes.)

- Is there something caught in the front panel?
  Remove the object and attempt operation again using the remote controller.
  If the front panel still does not open and the multi-monitor lamp is still flashing, consult the service shop where you bought the air conditioner.



Front panel does not close completely.

- Are the front panel locks set appropriately?



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Hot air does not flow out soon after the start of HEAT operation.

- The air conditioner is warming up. You should wait for 1 to 4 minutes. (The system is designed to start discharging air only after it has reached a certain temperature.)



The ON/OFF TIMER does not operate according to the settings.

- Check if the ON/OFF TIMER and the WEEKLY TIMER are set to the same time.
  Change or deactivate the settings in the WEEKLY TIMER. ▶Page 23



Operation stopped suddenly. (Multi-monitor lamp is on.)

- For system protection, the air conditioner may stop operating on a sudden large voltage uctuation. It automatically resumes operation in about 3 minutes.



Remote controller does not work properly.

■ No remote controller signals are displayed.

■ The remote controller sensitivity is low.

■ The display is low in contrast or blacked out.

■ The display runs out of control.

- The batteries are dying and the remote controller is malfunctioning. Replace all the batteries with new, size AAA.LR03 (alkaline). For details, refer to set the batteries of this manual. ▶Page 9



The outdoor fan rotates while the air conditioner is not in operation.

■ After operation is stopped

- The outdoor fan continues rotating for another 60 seconds for system protection.

■ While the air conditioner is not in operation

- When the outdoor temperature is very high, the outdoor fan starts rotating for system protection.



The indoor unit gives out odour.

- This happens when smells of the room, furniture, or cigarettes are absorbed into the unit and discharged with the air ow.
  (If this happens, we recommend you to have the indoor unit washed by a technician. Consult the service shop where you bought the air conditioner.)



If the front panel is closed while the air conditioner is in operation, the air conditioner will stop operating and the multi-monitor lamp will blink.

- Restart the air conditioner after stopping the operation of the air conditioner with the remote controller.



Mist comes out of the indoor unit.

- This happens when the air in the room is cooled into mist by the cold air ow during COOL operation.
- This is because the air in the room is cooled by the heat exchanger and becomes mist during defrost operation.



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Troubleshooting

■ Call the service shop immediately

⚠ WARNING

■ **When an abnormality (such as a burning smell) occurs, stop operation and turn the breaker off.**
- Continued operation in an abnormal condition may result in troubles, electric shocks or fire.
- Consult the service shop 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 service shop where you bought the air conditioner.

If one of the following symptoms takes place, call the service shop immediately.

- **The power cord is abnormally hot or damaged.**
- **An abnormal sound is heard during operation.**
- **The safety breaker, a fuse, or the earth leakage 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 the breaker off and call the service shop.

■ **After a power failure**
- The air conditioner automatically resumes operation in about 3 minutes. You should just wait for a while.

■ **Lightning**
- If lightning may strike the neighbouring area, stop operation and turn the breaker off for system protection.

■ Disposal requirements

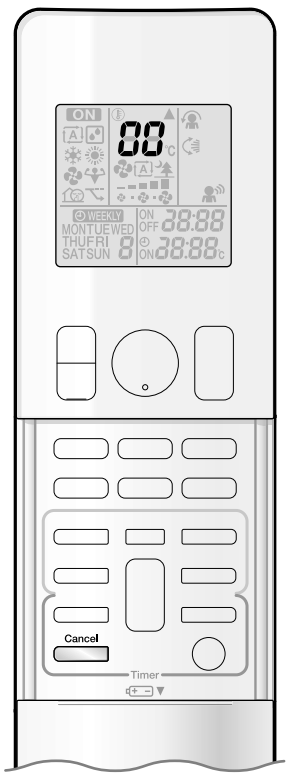


Your product and the batteries supplied with the controller are marked with this symbol. This symbol means that electrical and electronic products and batteries shall not be mixed with unsorted household waste.
For batteries, a chemical symbol can be printed beneath the symbol. This chemical symbol means that the battery contains a heavy metal above a certain concentration. Possible chemical symbols are:

■ Pb: lead (>0.004%)

Do not try to dismantle the system yourself: the dismantling of the product, treatment of the refrigerant, of oil and of other parts must be done by a qualified installer in accordance with relevant local and national legislation.
Units and waste batteries must be treated at a specialized treatment facility for re-use, recycling and recovery.
By ensuring correct disposal, you will help to prevent potential negative consequences for the environment and human health.
Please contact the installer or local authority for more information.

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■ Fault diagnosis by remote controller

• The remote controller can receive from the indoor unit a corresponding error code according to the fault.

1. **When Cancel is held down for 5 seconds, a "00" indication blinks on the temperature display section.**

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

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

	CODE	MEANING
SYSTEM	00	NORMAL
	U0	REFRIGERANT SHORTAGE
	U2	OVER-VOLTAGE DETECTION
	U4	SIGNAL TRANSMISSION ERROR (BETWEEN INDOOR AND OUTDOOR UNIT)
INDOOR UNIT	A1	INDOOR UNIT PCB ABNORMALITY
	A5	FREEZE-UP PROTECTION OR HEATING PEAK-CUT CONTROL
	A6	FAN MOTOR (DC MOTOR) ABNORMALITY
	C4	INDOOR HEAT EXCHANGER THERMISTOR ABNORMALITY
	C7	FRONT PANEL OPEN /CLOSE FAULT
	C9	ROOM TEMPERATURE THERMISTOR ABNORMALITY
OUTDOOR UNIT	EA	FOUR WAY VALVE ABNORMALITY
	E1	OUTDOOR UNIT PCB ABNORMALITY
	E5	OL ACTIVATION (COMPRESSOR OVERLOAD)
	E6	COMPRESSOR LOCK
	E7	DC FAN LOCK
	F3	DISCHARGE PIPE TEMPERATURE CONTROL
	H0	COMPRESSOR SYSTEM SENSOR ABNORMALITY
	H6	POSITION SENSOR ABNORMALITY
	H8	DC VOLTAGE / CURRENT SENSOR ABNORMALITY
	H9	OUTDOOR TEMPERATURE THERMISTOR ABNORMALITY
	J3	DISCHARGE PIPE THERMISTOR ABNORMALITY
	J6	OUTDOOR HEAT EXCHANGER THERMISTOR ABNORMALITY
	L4	RADIATION FIN TEMPERATURE RISE
	L5	OUTPUT OVERCURRENT DETECTION
	P4	RADIATION FIN THERMISTOR ABNORMALITY

NOTE

• A short beep and two consecutive beeps indicate non-corresponding codes.

• To cancel the code display, hold Cancel for 5 seconds. The code display also cancels itself if the button is not pressed for 1 minute.

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Troubleshooting

■ LED ON OUTDOOR UNIT PCB
3MXS, 4MXS, 5MXS series

GREEN	RED					
MICROCOMPUTER NORMAL	MALFUNCTION DETECTION					
LED-A	LED1	LED2	LED3	LED4	LED5	DIAGNOSIS
◑	●	●	●	●	●	NORMAL → CHECK INDOOR UNIT
◑	☼	●	☼	☼	●	HIGH PRESSURE PROTECTOR WORKED OR FREEZE-UP IN OPERATING UNIT OR STAND-BY UNIT
◑	☼	●	☼	●	●	∗ OVERLOAD RELAY WORKED OR HIGH DISCHARGE PIPE TEMPERATURE
◑	●	☼	☼	●	●	FAULTY COMPRESSOR START
◑	●	☼	●	☼	●	INPUT OVERCURRENT
◑	☼	☼	●	●	●	∗ THERMISTOR OR CT ABNORMALITY
◑	☼	☼	●	☼	●	HIGH TEMPERATURE SWITCHBOX
◑	●	●	●	☼	●	HIGH TEMPERATURE AT INVERTER CIRCUIT HEATSINK
◑	●	●	☼	●	●	∗ OUTPUT OVERCURRENT
◑	●	●	☼	☼	●	∗ REFRIGERANT SHORTAGE
◑	☼	●	●	☼	●	LOW VOLTAGE TO MAIN CIRCUIT OR MOMENTARY VOLTAGE LOSS
◑	☼	●	●	●	●	REVERSING SOLENOID VALVE SWITCHING FAILURE
◑	☼	☼	☼	☼	●	FAN MOTOR FAULT
☼	–	–	–	–	●	[NOTE 1]
●	–	–	–	–	●	POWER SUPPLY FAULT OR [NOTE 2]

NOTE: The LED5 is only available in the 5M series.

GREEN	NORMALLY FLASHING
RED	NORMALLY OFF
☼	ON
◑	FLASHING
●	OFF
–	IRRELEVANT

■ LED ON OUTDOOR UNIT PCB
2MXS series

GREEN	
MICROCOMPUTER NORMAL	
LED-A	DIAGNOSIS
◑	NORMAL → CHECK INDOOR UNIT
☼	[NOTE 1]
●	POWER SUPPLY FAULT OR [NOTE 2]

GREEN	NORMALLY FLASHING
☼	ON
◑	FLASHING
●	OFF

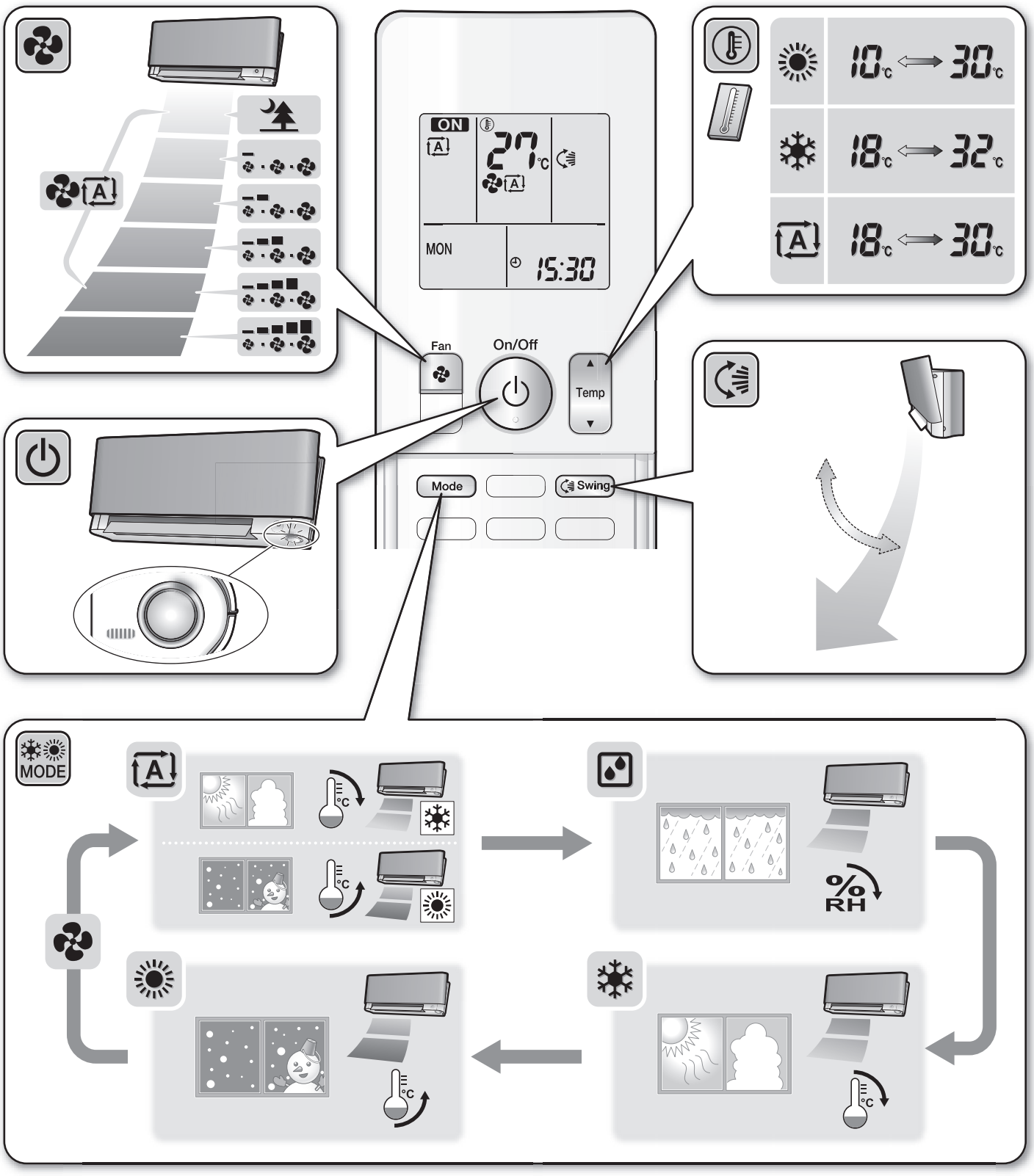
NOTE

- Turn the power off and then on again. If the LED display recurs, the outdoor unit PCB is faulty.
- Diagnosis marked
  ∗ Do not apply to some cases. For details, refer to the service guide.

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Quick Reference



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