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Operation manual

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R32 Split series



Operation manual
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Kullanım kılavuzu
R32 Split serisi — **Türkçe**

FTXP20M5V1B
FTXP25M5V1B
FTXP35M5V1B

FTXP20M5V1B9
FTXP25M5V1B9
FTXP35M5V1B9

WARNING

Be careful with ladders when working in high places.

WARNING

Improper detergents or cleaning procedure may cause damage on plastic components or water leakage. Splashed detergent on electric components, such as motors, may cause failure, smoke or ignition.

DANGER: RISK OF ELECTROCUTION

Before cleaning, be sure to stop the operation, turn the breaker OFF or pull out the supply cord. Otherwise, an electrical shock and injury may result.

WARNING

Stop operation and shut OFF the power if anything unusual occurs (burning smells etc.).

Leaving the unit running under such circumstances may cause breakage, electrical shock or fire. Contact your dealer.

3 About the system

WARNING: FLAMMABLE MATERIAL

The refrigerant inside this unit is mildly flammable.

NOTICE

Do NOT use the system for other purposes. In order to avoid any quality deterioration, do NOT use the unit for cooling precision instruments, food, plants, animals, or works of art.

3.1 Indoor unit

CAUTION

Do NOT insert fingers, rods or other objects into the air inlet or outlet. When the fan is rotating at high speed, it will cause injury.

INFORMATION

The sound pressure level is less than 70 dBA.

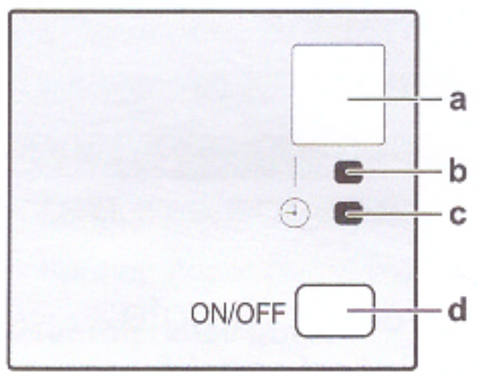
WARNING

- Do NOT modify, disassemble, remove, reinstall or repair the unit yourself as incorrect dismantling or installation may cause an electrical shock or fire. Contact your dealer.
- In case of accidental refrigerant leaks, make sure there are no naked flames. The refrigerant itself is entirely safe, non-toxic and mildly flammable, but it will generate toxic gas when it accidentally leaks into a room where combustible air from fan heaters, gas cookers, etc. is present. Always have qualified service personnel confirm that the point of leakage has been repaired or corrected before resuming operation.

INFORMATION

The following figures are just examples and may NOT completely match your system layout.

3.1.1 Indoor unit display



a Signal receiver
b Operation lamp
c Timer lamp
d ON/OFF button

ON/OFF button

If the user interface is missing, you can use the ON/OFF button on the indoor unit to start/stop operation. When operation is started using this button, the following settings are used:

- Operation mode = Automatic
- Temperature setting = 25°C
- Airflow rate = Automatic

3.2 About the user interface

Wireless remote control

INFORMATION

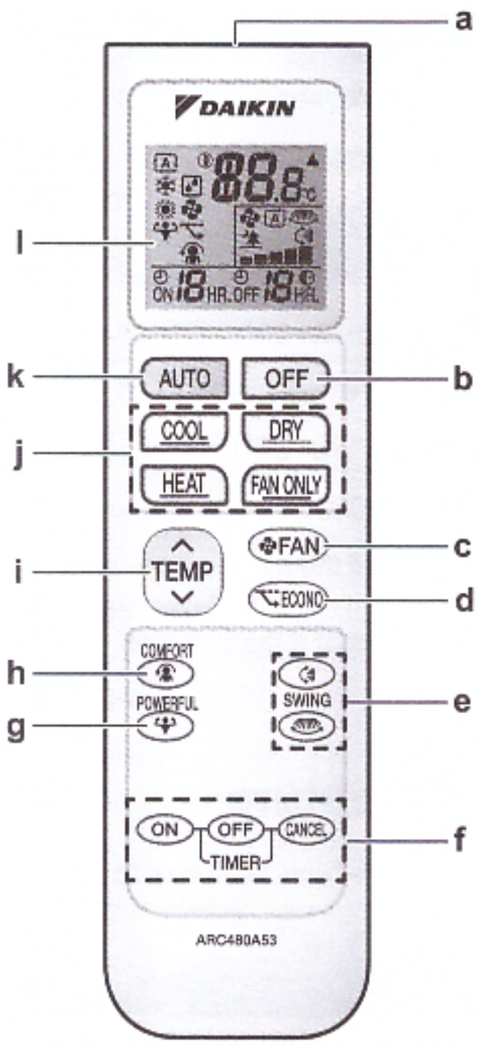
The indoor unit is delivered with the wireless remote control as the user interface. This manual describes only operation with this user interface. If another user interface is connected, refer to the operation manual of the connected user interface.

- **Direct sunlight.** Do NOT expose the wireless remote control to direct sunlight.
- **Dust.** Dust on the signal transmitter or receiver will reduce sensitivity. Wipe off dust with a soft cloth.
- **Fluorescent lights.** Signal communication might be disabled if fluorescent lamps are in the room. In that case, contact your installer.
- **Other appliances.** If the wireless remote control signals operate other appliances, move the other appliances, or contact your installer.
- **Curtains.** Make sure that curtains or other objects do NOT block the signal between the unit and the wireless remote control.

NOTICE

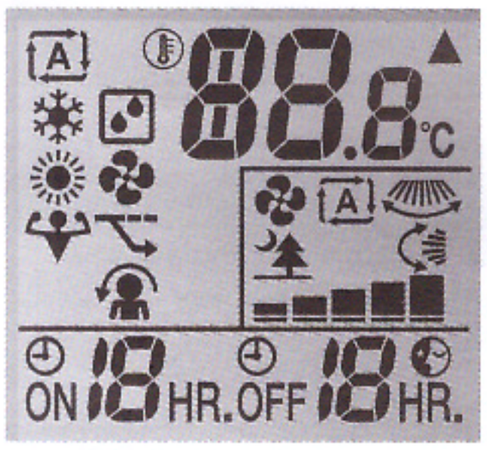
- Do NOT drop the wireless remote control.
- Do NOT let the wireless remote control get wet.

3.2.1 Components: Wireless remote control



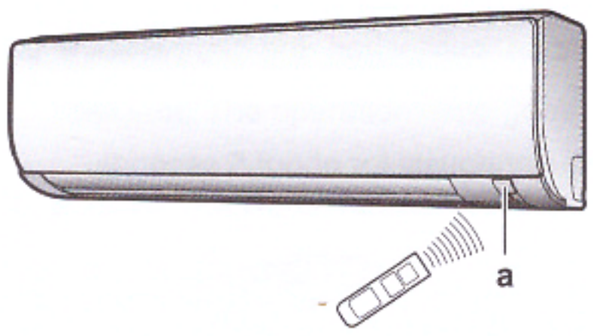
a Signal receiver
b OFF button
c Fan setting button
d Econo operation button
e Swing buttons
f Timer setting buttons (ON, OFF, cancel)
g Powerful operation button
h Comfort operation button
i Temperature adjustment button
j Operation mode buttons
k Automatic operation mode button
l LCD display

3.2.2 Status: Wireless remote control LCD



Icon	Description
A	Operation mode = Automatic
	Operation mode = Drying
	Operation mode = Heating
	Operation mode = Cooling
	Operation mode = Fan only
	Powerful operation is active
	Econo operation is active
▲	The indoor unit receives a signal from the user interface
88.8°C	Current temperature setting
A	Airflow rate = Automatic
	Airflow rate = Indoor unit quiet
	Airflow rate = High
	Airflow rate = Medium high
	Airflow rate = Medium
	Airflow rate = Medium low
	Airflow rate = Low
	Comfort operation is active
	Automatic vertical swing is active
	Automatic horizontal swing is active
ON	ON timer is active
OFF	OFF timer is active

3.2.3 To operate the wireless remote control



a Infrared signal receiver

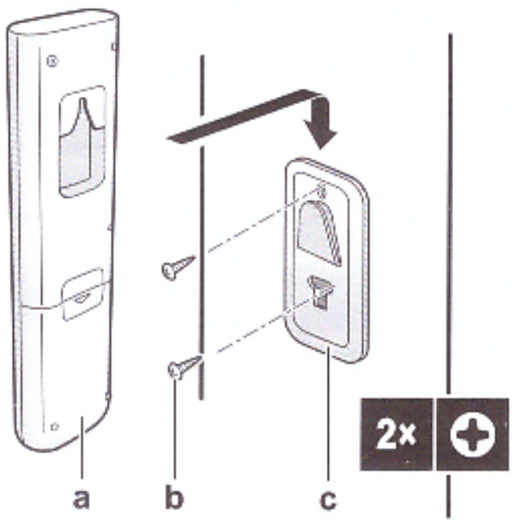
1 Aim the signal transmitter at the infrared signal receiver on the indoor unit (maximum distance for communication is 7 m).

Result: When the indoor unit receives a signal from the wireless remote control, you will hear a sound:

Sound	Description
Beep-beep	Operation starts.
Beep	Setting changes.
Long beep	Operation stops.

4 Before operation

4.1 To mount the wireless remote control holder



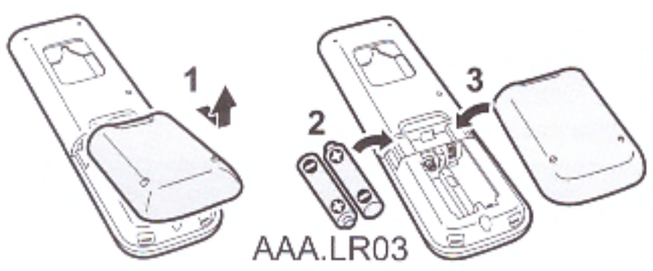
a Wireless remote control
b Screws (field supply)
c Wireless remote control holder

1 Choose a place where the signals reach the unit.
2 Attach the holder with screws to the wall or a similar location.
3 Hang the wireless remote control on the holder.

4.2 To insert the batteries

The batteries will last for about 1 year.

1 Remove the back cover.
2 Insert both batteries at once.
3 Put the cover back.



4.3 To switch between Fahrenheit and Celsius

Prerequisite: Change this setting only when the temperature is displayed.

1 Press TEMP and ON simultaneously for about 5 seconds.

Result: The setting changes.

4.4 To turn on the power supply

1 Turn the circuit breaker on.

Result: The flap of the indoor unit will open and close to set the reference position.

5 Operation

5.1 Operation range

Use the system in the following temperature and humidity ranges for safe and effective operation.

Operation mode	Operation range
Cooling[a][b]	▪ Outdoor temperature: –10~48°C DB ▪ Indoor temperature: 18~32°C DB ▪ Indoor humidity: ≤80%
Heating[a]	▪ Outdoor temperature: –15~24°C DB ▪ Indoor temperature: 10~30°C DB
Drying[a]	▪ Outdoor temperature: –10~48°C DB ▪ Indoor temperature: 18~32°C DB ▪ Indoor humidity: ≤80%

[a] A safety device might stop the operation of the system if the unit runs outside its operation range.
[b] Condensation and water dripping might occur if the unit runs outside its operation range.

5.2 When to use which feature

You can use the following table to determine which features to use:

Feature	Tasks
Basic features	
MODE Operation modes and temperature	To start/stop the system and to set the temperature: ▪ Heat up or cool down a room. ▪ Blow air in a room without heating or cooling. ▪ Decrease the humidity in a room. ▪ In Automatic mode, automatically select an appropriate temperature and operation mode.
+ Airflow direction	To adjust the airflow direction (swing or fixed position).
Airflow rate	To adjust the amount of air blown into the room. To run more quietly.
Advanced features	
ECONO Econo	To use the system when you are also using other power-consuming appliances. To save energy.
Comfort	To provide a comfortable airflow that does NOT come in direct contact with people.
Powerful	To cool down or heat up the room quickly.
ON 6:00 ON timer + OFF 0:00 OFF timer	To automatically turn ON or OFF the system.

5.3 Operation mode and temperature setpoint

When. Adjust the system operation mode and set the temperature when you want to:

- Heat up or cool down a room
- Blow air in a room without heating or cooling
- Decrease the humidity in a room

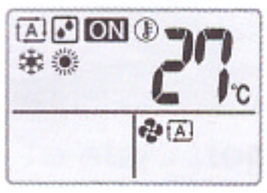
What. The system operates differently, depending on the user selection.

Setting	Description
Automatic	The system cools down or heats up a room to the temperature setpoint. It automatically switches between cooling and heating if necessary.
Drying	The system decreases the humidity in a room.
Heating	The system heats up a room to the temperature setpoint.
Cooling	The system cools down a room to the temperature setpoint.
Fan	The system only controls the airflow (airflow rate and airflow direction). The system does NOT control the temperature.

Additional info:

- **Outside temperature.** The system's cooling or heating effect decreases when the outside temperature is too high or too low.
- **Defrost operation.** During heating operation, frost might occur on the outdoor unit and decrease the heating capacity. In that case, the system automatically switches to defrosting operation to remove the frost. During defrosting operation, hot air is NOT blown from the indoor unit.

5.3.1 To start/stop operation mode and to set the temperature



ON: Unit is operating.

: Operation mode = Automatic

: Operation mode = Drying

: Operation mode = Heating

: Operation mode = Cooling

: Operation mode = Fan only

88 °C: Shows the set temperature.

1 Press MODE one or more times to select the operation mode.

Result: The mode will be set in the following sequence:

→ → → → → →

2 Press to **start** operation.

Result: ON is displayed on the LCD.

Result: The operation lamp lights up.



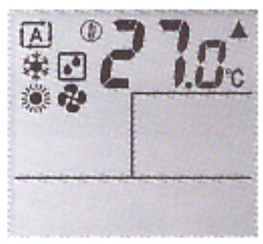
3 Press ∨ or ∧ on the TEMP button one or more times to lower or raise the **temperature**.

Note: When using drying or fan only mode, you cannot adjust the temperature.

4 Press to **stop** operation.

Result: ON disappears from the LCD.

Result: The operation lamp goes off.



: Operation mode = Automatic

: Operation mode = Drying

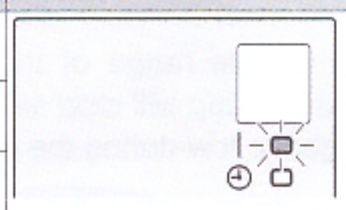
: Operation mode = Heating

: Operation mode = Cooling

: Operation mode = Fan only

88 °C 88.8 °C: Shows the set temperature.

5 Start operation by pressing one of the following buttons.

Mode	Press	Result
Automatic operation	AUTO	 The operation lamp lights up.
Cooling operation	COOL	
Drying operation	DRY	
Heating operation	HEAT	
Fan only operation	FAN ONLY	

6 Press ∨ or ∧ on the TEMP button one or more times to set the temperature. You CANNOT adjust the temperature in **drying** or **fan only** operation mode.

Cooling operation	Heating operation	Automatic operation	Drying or fan only operation
18~32°C	10~30°C	18~30°C	—

7 Press OFF to stop operation.

Result: The operation lamp goes off.

5.3.2 Airflow rate

1 Press FAN FAN to choose:

	5 airflow rate levels, from "▁" to "▇"
A	Automatic airflow rate operation
	Indoor unit quiet operation. When the airflow rate is set to "", the noise from the unit will be reduced.

INFORMATION

- If the unit reaches the temperature setpoint in cooling or heating mode, the fan will stop operating.
- When using drying operation mode, you CANNOT adjust the airflow rate setting.

To adjust the airflow rate

1 Press FAN FAN to change the airflow setting as follows:



5.3.3 Airflow direction

When. Adjust the airflow direction as desired.

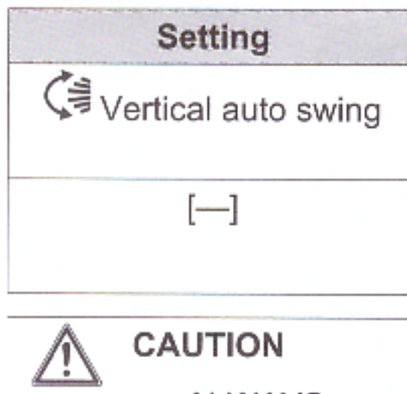
What. The system directs the airflow differently, depending on the user selection (swinging or fixed position). It does so by moving the vertical blades.

Setting	Airflow direction
Vertical auto swing	Moves up and down.
[—]	Stays in a fixed position.

CAUTION

- ALWAYS use a user interface (e.g. wireless remote control) to adjust the angle of the flap. When the flap is swinging and you move it forcibly by hand, the mechanism will break.
- Be careful when adjusting the louvers. Inside the air outlet, a fan is rotating at high speed.

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.



a Flap range in cooling or drying operation
b Flap range in hating operation
c Flap range in fan only operation

When. Adjust the airflow direction as desired.

What. The system directs the airflow differently, depending on the user selection (swinging or fixed position). It does so by moving horizontal blades (flaps) or vertical blades (louvers).

Setting	Airflow direction
Vertical automatic swing	Moves up and down.
Horizontal automatic swing	Moves from side to side.
3-D airflow direction	Moves alternately up and down and from side to side
[—]	Stays in a fixed position.

CAUTION

ALWAYS use the wireless remote control or other user interface (if applicable) to adjust the position of the flaps and louvers. When the flaps and louvers are swinging and you move them forcibly by hand, the mechanism will break.

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.

To adjust the airflow direction

1 To use auto swing, press SWING.

Result: will appear on the LCD.

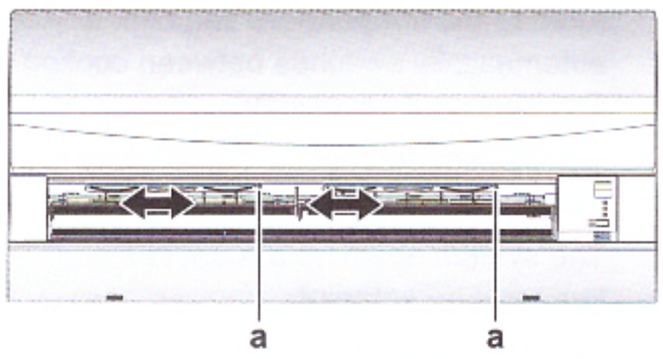
Result: The flap (horizontal blade) will begin to swing.

2 To use fixed position, press SWING when the flap reaches the desired position.

Result: disappears from the LCD.

To adjust the louvers (vertical blades)

1 Hold 1 or both knobs and move the louvers.



a Knobs

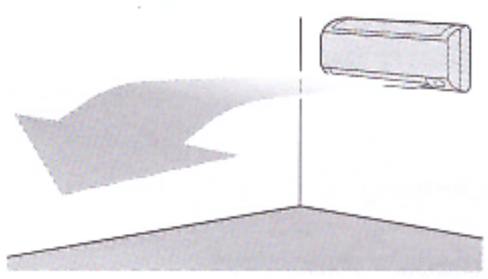
INFORMATION

When the unit is installed in a corner of a room, the direction of the louvers should be facing away from the wall. Efficiency will drop if a wall blocks the air.

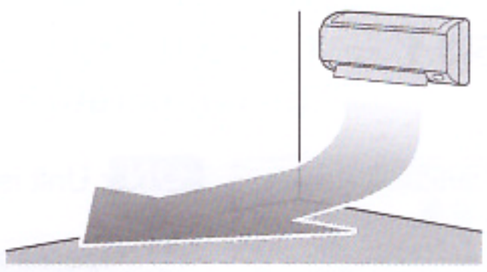
5.3.4 Comfort airflow operation

This operation can be used in **heating** or **cooling** operation mode. It will provide a comfortable wind that will NOT come in direct contact with people. The system automatically sets the fixed airflow position upward in Cooling and downward in Heating operation mode.

Cooling operation mode



Heating operation mode



INFORMATION

Powerful and Comfort airflow operation CANNOT be used at the same time. The last selected function takes priority. If the vertical automatic swing is selected, Comfort airflow operation will be cancelled.

To start/stop Comfort airflow operation

1 Press COMFORT to start.

Result: The flap position will change, is displayed on the LCD, and the airflow rate is set to automatic.

Mode	Position of flap...
Cooling/Drying	Up
Heating	Down

Note: Comfort airflow operation is NOT available in Fan only mode.

2 Press COMFORT to stop.

Result: The flap will return to the position from before the Comfort airflow mode; disappears from the LCD.

5.3.5 Powerful operation

This operation quickly maximizes the cooling/heating effect in any operation mode. You can get the maximum capacity.

INFORMATION

Powerful operation CANNOT be used together with Econo and Comfort airflow operation. The last selected function takes priority.

Powerful operation will NOT increase the capacity of the unit if it already operates at maximum capacity.

To start/stop Powerful operation

1 Press POWERFUL to start.

Result: is displayed on the LCD. Powerful operation runs for 20 minutes; after that, operation returns to the previously set mode.

2 Press POWERFUL to stop.

Result: disappears from the LCD.

Note: Powerful operation can be set only when the unit is running. If you press OFF or if you change operation mode, operation will be cancelled; disappears from the LCD.

5.3.6 Econo operation

This 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.

INFORMATION

- Powerful and Econo operation CANNOT be used at the same time. The last selected function takes priority.
- Econo operation reduces power consumption of the outdoor unit by limiting the rotation speed of the compressor. If power consumption is already low, Econo operation will NOT further reduce power consumption.

To start/stop Econo operation

1 Press ECONO to start.

Result: is displayed on the LCD.

2 Press ECONO to stop.

Result: disappears from the LCD.

5.3.7 OFF/ON timer operation

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

INFORMATION

Program the timer again in case of:

- A breaker has turned the unit off.
- A power failure.
- After replacing batteries in the wireless remote control.

To start/stop ON timer operation

Use this feature if the unit is NOT operating and you want to start operation after a certain time.

1 Press ON.

Result: ON HR. is displayed on the LCD and the timer lamp lights up.

2 Press ON again if you want to change the time setting.

INFORMATION

Each time ON is pressed, the time setting advances by 1 hour. The timer can be set between 1 to 12 hours.

Example: If ON 2 HR. is set when the unit is NOT operating, operation will start after 2 hours.

3 To cancel the setting, press .

Result: ON and the time setting disappear from the LCD and the timer lamp goes off.

To start/stop OFF timer operation

Use this feature if the unit is operating and you want to stop operation after a certain time.

1 Press OFF.

Result: OFF HR. is displayed on the LCD and the timer lamp lights up.

2 Press OFF again if you want to change the time setting.

INFORMATION

Each time OFF is pressed, the time setting advances by 1 hour. The timer can be set between 1 to 12 hours.

Example: If OFF 5 HR. is set when the unit is operating, operation will stop after 5 hours.

3 To cancel the setting, press .

Result: OFF and the time setting disappear from the LCD and the timer lamp goes off.

INFORMATION

Night set mode

When the OFF timer is set, the air conditioner automatically adjusts the temperature setting (0.5°C up in cooling, 2.0°C down in heating) to prevent excessive cooling/heating and ensure a comfortable sleeping temperature.

INFORMATION

When you set the ON/OFF timer, the time setting is stored in the memory. The memory will be reset when the wireless remote control batteries are replaced.

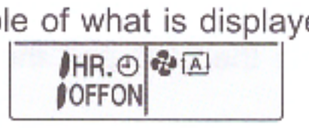
Night set mode

When the OFF timer is set, the air conditioner automatically adjusts the temperature setting (0.5°C up in cooling, 2.0°C down in heating) to prevent excessive cooling/heating and ensure a comfortable sleeping temperature.

To combine OFF timer and ON timer

1 To set the timers, refer to "To start/stop OFF timer operation" [▶ 9] and "To start/stop ON timer operation" [▶ 9].

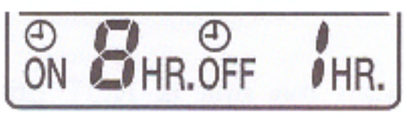
Result: OFF and ON are displayed on the LCD.

2 Example of what is displayed on the LCD if you combine the 2 timers: 

3 To set the timers, refer to "To start/stop OFF timer operation" [▶ 9] and "To start/stop ON timer operation" [▶ 9].

Result: OFF and ON are displayed on the LCD.

Example:

4 If 

is set when the unit is operating.

Result: Operation **stops** in 1 hour and then **starts** 7 hours later.

5 If 

is set when the unit is NOT operating.

Result: Operation **starts** in 2 hours and then **stops** 3 hours later.

6 Energy saving and optimum operation

INFORMATION

- Even if the unit is turned OFF, it consumes electricity.
- When the power turns back on after a power break, the previously selected mode will be resumed.

CAUTION

NEVER expose little children, plants or animals directly to the airflow.

NOTICE

Do NOT place objects below the indoor and/or outdoor unit that may get wet. Otherwise condensation on the unit or refrigerant pipes, air filter dirt or drain blockage may cause dripping, and objects under the unit may get dirty or damaged.

WARNING

Do NOT place a flammable spray bottle near the air conditioner and do NOT use sprays near the unit. Doing so may result in a fire.

CAUTION

Do NOT operate the system when using a room fumigation-type insecticide. Chemicals could collect in the unit, and endanger the health of people who are hypersensitive to chemicals.

7 Maintenance and service

7.1 Overview: Maintenance and service

The installer has to perform a yearly maintenance.

About the refrigerant

This product contains fluorinated greenhouse gases. Do NOT vent gases into the atmosphere.

Refrigerant type: R32

Global warming potential (GWP) value: 675

NOTICE

Applicable legislation on **fluorinated greenhouse gases** requires that the refrigerant charge of the unit is indicated both in weight and CO_2 equivalent.

Formula to calculate the quantity in CO_2 equivalent tonnes: GWP value of the refrigerant × total refrigerant charge [in kg] / 1000

Please contact your installer for more information.

WARNING

- The refrigerant inside the unit is mildly flammable, but normally does NOT leak. If the refrigerant leaks in the room and comes in contact with fire from a burner, a heater, or a cooker, this may result in fire, or the formation of a harmful gas.
- Turn OFF any combustible heating devices, ventilate the room, and contact the dealer where you purchased the unit.
- Do NOT use the unit until a service person confirms that the part from which the refrigerant leaked has been repaired.

WARNING

- Do NOT pierce or burn refrigerant cycle parts.
- Do NOT use cleaning materials or means to accelerate the defrosting process other than those recommended by the manufacturer.
- Be aware that the refrigerant inside the system is odourless.

WARNING

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

NOTICE

Maintenance MUST be done by an authorised installer or service agent.

We recommend performing maintenance at least once a year. However, applicable legislation might require shorter maintenance intervals.

DANGER: RISK OF ELECTROCUTION

To clean the air conditioner or air filter, be sure to stop operation and turn all power supplies OFF. Otherwise, an electrical shock and injury may result.

WARNING

To prevent electrical shocks or fire:

- Do NOT rinse the unit.
- Do NOT operate the unit with wet hands.
- Do NOT place any objects containing water on the unit.

CAUTION

After a long use, check the unit stand and fitting for damage. If damaged, the unit may fall and result in injury.

CAUTION

Do NOT touch the heat exchanger fins. These fins are sharp and could result in cutting injuries.

WARNING

Be careful with ladders when working in high places.

7.2 To clean the indoor unit and wireless remote control

NOTICE

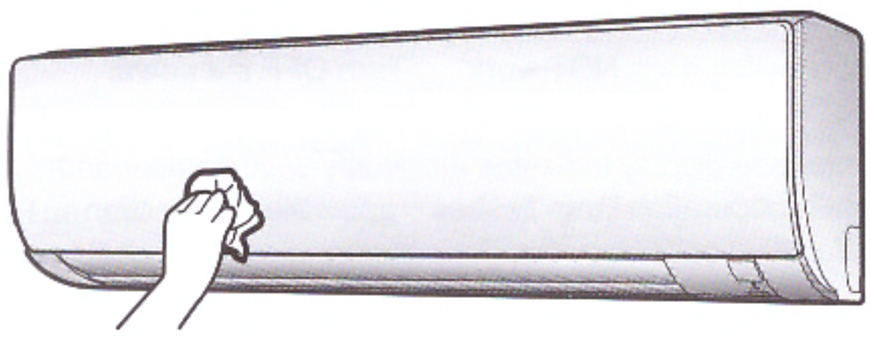
- Do NOT use gasoline, benzene, thinner, polishing powder or liquid insecticide. **Possible consequence:** Discoloration and deformation.
- Do NOT use water or air of 40°C or higher. **Possible consequence:** Discoloration and deformation.
- Do NOT use polishing compounds.
- Do NOT use a scrubbing brush. **Possible consequence:** The surface finishing peels off.
- As an end user, you may NEVER clean inside parts of the unit by yourself; this work must be performed by a qualified service person. Contact your dealer.

DANGER: RISK OF ELECTROCUTION

Before cleaning, be sure to stop the operation, turn the breaker OFF or pull out the supply cord. Otherwise, an electrical shock and injury may result.

1 Clean with a soft cloth. If it is difficult to remove stains, use water or a neutral detergent.

7.3 To clean the front panel

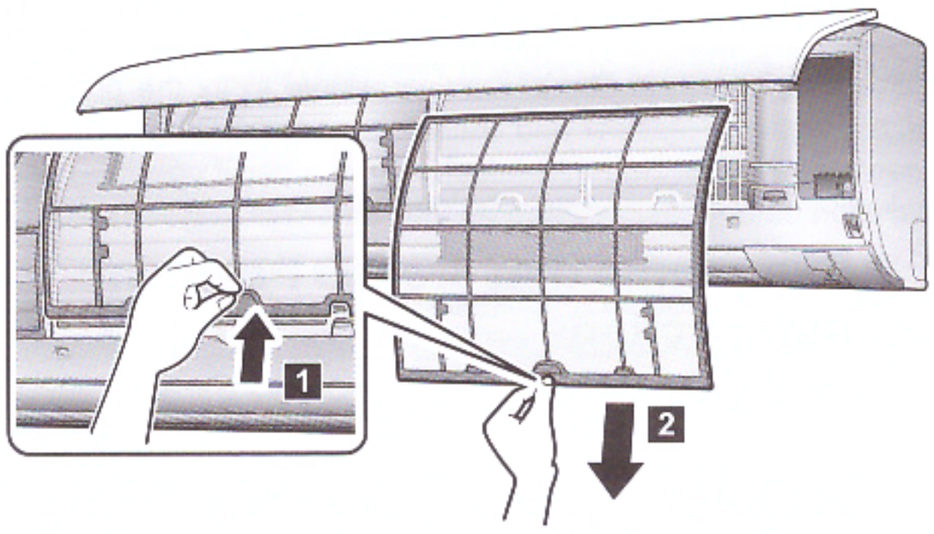


1 Clean the front panel with a soft cloth. If it is difficult to remove stains, use water or a neutral detergent.

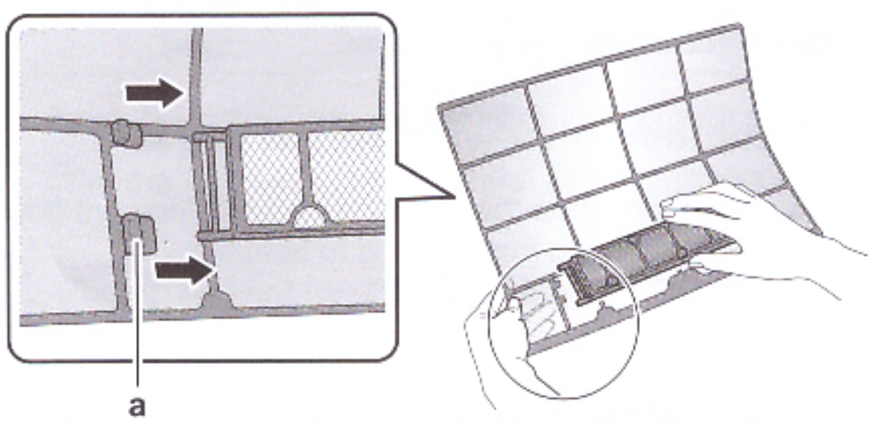
7.4 To clean the air filters

1 Push the tab at the centre of each air filter, then pull it down.

2 Pull out the air filters.

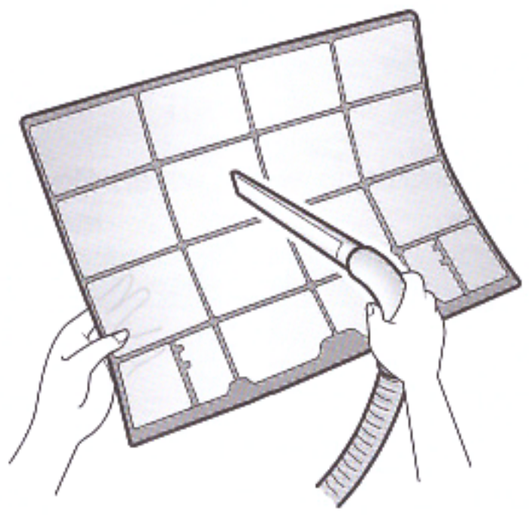


3 Remove the titanium apatite deodorising filter and silver particle filter from the tabs.



a Tab

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



5 Soak in lukewarm water for about 10 to 15 minutes.



6 Install all filters back in their original positions.

INFORMATION

- If the dust does NOT come off easily, wash them with a neutral detergent diluted in lukewarm water. Dry the air filters in the shade.
- It is recommended to clean the air filters every 2 weeks.

INFORMATION

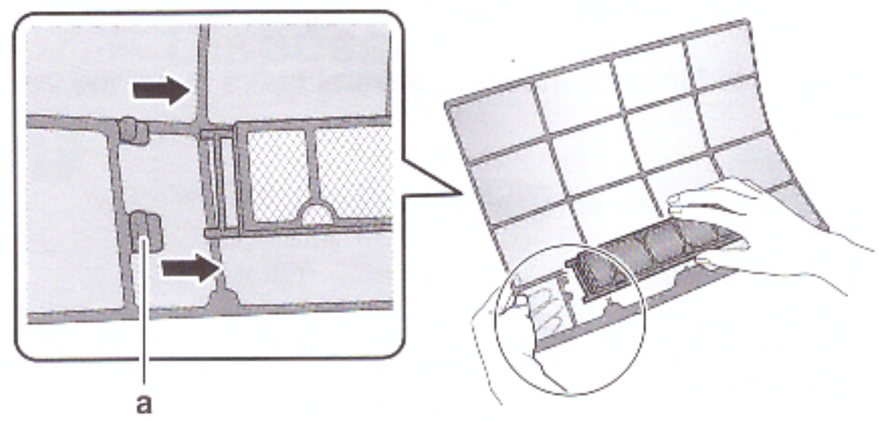
- If the dust does NOT come off easily, wash the air filters with a neutral detergent diluted in lukewarm water. Dry the air filters in the shade.
- Be sure to remove the titanium apatite deodorising and silver particle filters.
- It is recommended to clean the air filters every 2 weeks.

7.5 To clean the titanium apatite deodorising filter and the silver particle filter (Ag-ion filter)

INFORMATION

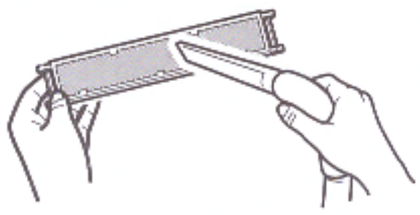
Clean the filter with water every 6 months.

1 Remove the titanium apatite deodorising and silver particle filters from the tabs.

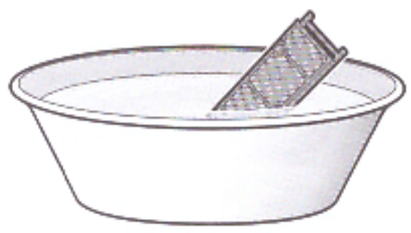


a Tabs

2 Remove the dust from the filter with a vacuum cleaner.



3 Soak the filter for 10 to 15 minutes in warm water. Do NOT remove the filter from the frame.



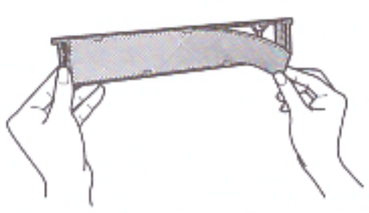
4 After washing, shake off remaining water and dry the filter in the shade. Do NOT wring out the filter when removing water.

7.6 To replace the titanium apatite deodorising filter and the silver particle filter (Ag-ion filter)

INFORMATION

Replace the filter every 3 years.

1 Remove the filter from the tabs of the filter frame and replace the filter with a new one.



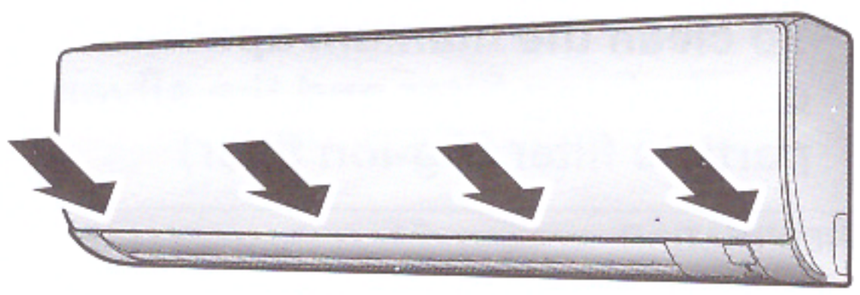
INFORMATION

- Do NOT throw away the filter frame, but use it again.
- Dispose of the old filter as non-flammable waste.

7.7 To close the front panel

1 Set the filters as they were.

2 Gently press the front panel at both sides and at the center until it clicks.



7.8 To take following items into account before a long idle period

Operate the unit in **fan only** mode for several hours to dry the inside of the unit.

1 Press MODE and select fan only operation.

2 Press to start operation.

3 Set the mode to **fan only** by pressing FAN ONLY button to dry the inside of the unit.

4 After operation stops, turn the breaker OFF.

5 Clean the air filters and replace them in their original positions.

6 Remove the batteries from the wireless remote control.

INFORMATION

It is recommended to have periodical maintenance performed by a specialist. For specialist maintenance, contact your dealer. Maintenance costs shall be borne by the customer.

In certain operating conditions the inside of the unit may get dirty after several seasons of use. This results in poor performance.

8 Troubleshooting

If one of the following malfunctions occur, take the measures shown below and contact your dealer.

WARNING

Stop operation and shut OFF the power if anything unusual occurs (burning smells etc.).

Leaving the unit running under such circumstances may cause breakage, electrical shock or fire. Contact your dealer.

The system MUST be repaired by a qualified service person.

Malfunction	Measure
If a safety device such as a fuse, a breaker or an earth leakage breaker frequently actuates or the ON/OFF switch does NOT properly work.	Turn OFF the main power switch.
If water leaks from the unit.	Stop the operation.
The operation switch does NOT work well.	Turn OFF the power supply.
If the user interface display indicates the unit number, the operation lamp flashes and the malfunction code appears.	Notify your installer and report the malfunction code.

If the system does NOT operate properly except for the above mentioned cases and none of the above mentioned malfunctions is evident, investigate the system in accordance with the following procedures.

INFORMATION

Refer to the reference guide located on http://www.daikineurope.com/support-and-manuals/product-information/ for more troubleshooting tips.

If after checking all above items, it is impossible to fix the problem yourself, contact your installer and state the symptoms, the complete model name of the unit (with manufacturing number if possible) and the installation date (possibly listed on the warranty card).

8.1 Symptoms that are NOT system malfunctions

The following symptoms are NOT system malfunctions:

8.1.1 Symptom: A sound like water flowing is heard

- This sound is caused by the refrigerant flowing in the unit.
- This sound may be generated when water is flowing away from the unit during cooling or drying operation.

8.1.2 Symptom: A blowing sound is heard

This sound is generated when the direction of the refrigerant flow is changed (e.g. when switching from cooling to heating).

8.1.3 Symptom: A ticking sound is heard

This sound is generated when the unit slightly expands or contracts with changes in temperature.

8.1.4 Symptom: A whistling sound is heard

This sound is generated by the refrigerant flowing during defrost operation.

8.1.5 Symptom: A clicking sound during operation or idle time is heard

This sound is generated when the refrigerant control valves or electrical parts operate.

8.1.6 Symptom: A clapping sound is heard

This sound is generated when an external device sucks air out of the room (e.g. exhaust fan, extractor hood) while the doors and windows in the room are closed. Open the doors or windows, or turn off the device.

8.1.7 Symptom: White mist comes out of a unit (Indoor unit)

- When humidity is high during cooling operation (in oily and dusty places). If the interior of an indoor unit is extremely contaminated, the temperature distribution inside a room becomes uneven. It is necessary to clean the interior of the indoor unit. Ask your dealer for details on cleaning the unit. This operation requires a qualified service person.
- When the air conditioner is changed over to heating operation after defrost operation. Moisture generated by defrost becomes steam and exits.

8.1.8 Symptom: The units can give off odours

The unit can absorb the smell of rooms, furniture, cigarettes, etc., and then emit it again.

8.1.9 Symptom: The outdoor fan rotates while the air conditioner is not in operation

- **After operation has stopped.** The outdoor fan continues to rotate for another 30 seconds for system protection.
- **While the air conditioner is not in operation.** When the outdoor temperature is very high, the outdoor fan starts to rotate for system protection.

8.2 Solving problems based on error codes

Fault diagnosis by the wireless remote control

If the unit runs into a problem, you can identify the fault by checking the error code by the wireless remote control. It is important to understand the problem and take measures before resetting the error code. This should be done by a licensed installer or your local dealer.

INFORMATION

See the service manual for:

- The complete list of error codes
- A more detailed troubleshooting guideline for each error

To check the error code by the wireless remote control

1 Aim the wireless remote control at the unit and press CANCEL for about 5 seconds.

Result: 00 blinks in the temperature setting display section.

2 Aim the wireless remote control at the unit and press CANCEL repeatedly until a continuous beep is heard.

Result: The code is now displayed on the display.

INFORMATION

- A short beep and 2 consecutive beeps indicate non-corresponding codes.
- To cancel the code display, hold CANCEL for 5 seconds. The code will also disappear from the display if the button is NOT pressed within 1 minute.

System

Error code	Description
00	Normal
U0	Refrigerant shortage
U2	Overvoltage detection
U4	Signal transmission error (between indoor and outdoor unit)
UR	Indoor/outdoor unit combination fault

Indoor unit

Error code	Description
R1	Indoor unit PCB abnormality
R5	Freeze-up protection or high-pressure control
R6	Fan motor (DC motor) abnormality
C4	Indoor heat exchanger thermistor abnormality
C9	Room temperature thermistor abnormality

Outdoor unit

Error code	Description
ER	4-way valve abnormality
E1	Outdoor unit PCB abnormality
E5	Overload activation (compressor overload)
E6	Compressor lock
E7	DC fan lock
E8	Input power overcurrent
F3	Discharge pipe temperature control
F6	High-pressure control (in cooling mode)
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
L3	Electrical parts heat error
L4	Radiation fin temperature rise
L5	Inverter instantaneous overcurrent (DC)
P4	Radiation fin thermistor abnormality
F8	Compressor internal temperature error

9 Disposal

NOTICE

Do NOT try to dismantle the system yourself: dismantling of the system, treatment of the refrigerant, oil and other parts MUST comply with applicable legislation. Units MUST be treated at a specialised treatment facility for reuse, recycling and recovery.