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Operation manual

R32 split series



CTXF20F5V1B
CTXF25F5V1B
CTXF35F5V1B

Operation manual
R32 split series

English

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1 About the documentation

1.1 About this document

Thank you for purchasing this product. Please:

- Keep the documentation for future reference.

Target audience

End users

**INFORMATION**

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.

Documentation set

This document is part of a documentation set. The complete set consists of:

- **General safety precautions:**

- Safety instructions that you must read before operating your system
- Format: Paper (in the box of the indoor unit)

- **Operation manual:**

- Quick guide for basic usage
- Format: Paper (in the box of the indoor unit)

- **User reference guide:**

- Detailed step-by-step instructions and background information for basic and advanced usage
- Format: Digital files on <https://www.daikin.eu>. Use the search function 🔍 to find your model.

Latest revisions of the supplied documentation may be available on the regional Daikin website or via your installer.

The original instructions are written in English. All other languages are translations of the original instructions.

2 User safety instructions

Always observe the following safety instructions and regulations.

2.1 General

**WARNING**

If you are NOT sure how to operate the unit, contact your installer.

**WARNING**

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction

concerning use of the appliance in a safe way and understand the hazards involved.

Children **SHALL NOT** play with the appliance.

Cleaning and user maintenance **SHALL NOT** be made by children without supervision.

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

- Do **NOT** place any objects or equipment on top of the unit.
- Do **NOT** sit, climb or stand on the unit.

- Units are marked with the following symbol:



This means that electrical and electronic products may **NOT** be mixed with unsorted household waste. Do **NOT** try to dismantle the system yourself: dismantling the system, treatment of the refrigerant, of oil and of other parts **MUST** be done by an authorised installer and **MUST** comply with applicable legislation.

Units **MUST** be treated at a specialised treatment facility for reuse, recycling and recovery. By ensuring this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and human health. For more information, contact your installer or local authority.

- Batteries are marked with the following symbol:



This means that the batteries may **NOT** be mixed with unsorted household waste. If a chemical symbol is 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%).

Waste batteries **MUST** be treated at a specialised treatment facility for reuse. By ensuring waste batteries are disposed of correctly, you will help to prevent potential negative consequences for the environment and human health.

2.2 Instructions for safe operation



WARNING: MILDLY FLAMMABLE MATERIAL

The refrigerant inside this unit is mildly flammable.



CAUTION

The indoor unit contains radio equipment, minimum separation distance between the radiating part of the equipment and the user is 10 cm.



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.



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.



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.



CAUTION

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

3 About the system

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.

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 so as to prevent mechanical damage and in a well-ventilated room without continuously operating ignition sources (e.g. open flames, an operating gas appliance, or an operating electric

heater). The room size shall be as specified in the General safety precaution.

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.

CAUTION

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

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



A2L WARNING: MILDLY 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.

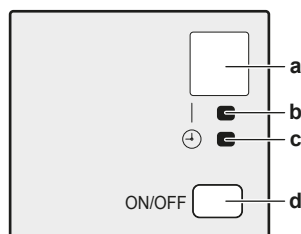
**WARNING**

- 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 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 wireless remote control (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**

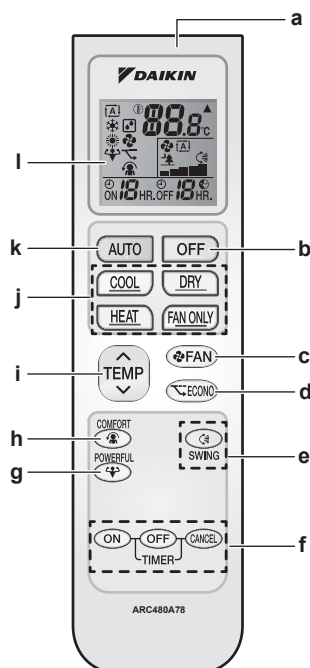
The indoor unit is delivered with the wireless remote control as the user interface. This manual describes only operation with this user interface. If another user interface is connected, refer to the operation manual of the connected user interface.

- 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 button
- 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

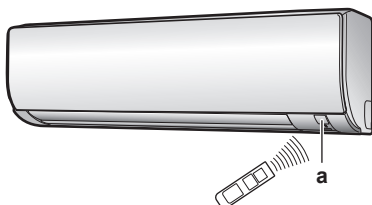
4 Before operation

3.2.2 Status: Wireless remote control LCD



Icon	Description
	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 wireless remote control
	Current temperature setting
	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
	ON timer is active
	OFF timer is active

3.2.3 To operate the wireless remote control



a Infrared signal receiver

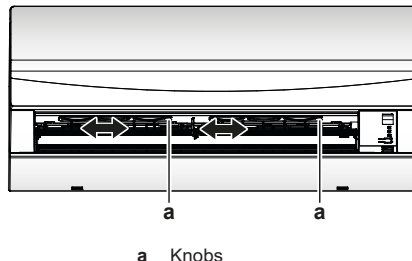
- 1 Aim the signal transmitter at the infrared signal receiver on the indoor unit (maximum distance for communication is 7 m).

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.

3.2.4 To adjust the louvers (vertical blades)

- 1 Hold 1 or both knobs and move the louvers.



a Knobs

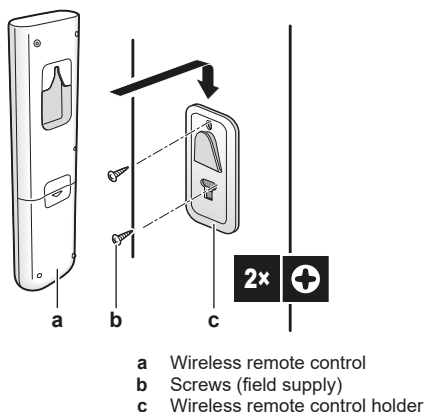


INFORMATION

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.

4 Before operation

4.1 To mount the wireless remote control holder

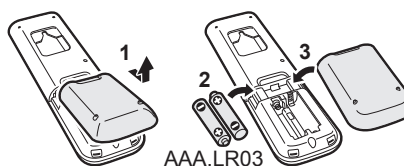


- 1 Choose a place where the signals reach the unit.
- 2 Attach the holder with screws to the wall or a similar location.
- 3 Hang the wireless remote control on the holder.

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 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)}	<ul style="list-style-type: none"> Outdoor temperature: -10~48°C DB Indoor temperature: 18~32°C DB Indoor humidity: ≤80%
Heating ^(a)	<ul style="list-style-type: none"> Outdoor temperature: -15~24°C DB Indoor temperature: 10~30°C DB
Drying ^(a)	<ul style="list-style-type: none"> 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	
Operation modes and temperature	To start/stop the system and to set the temperature: <ul style="list-style-type: none"> 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
Airflow rate	To adjust the amount of air blown into the room. To run more quietly.
Advanced features	
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 timer + 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

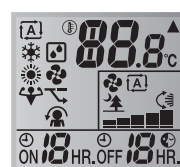
What. The system operates differently, depending on the user selection.

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



: Operation mode = Automatic

: Operation mode = Drying

: Operation mode = Heating

: Operation mode = Cooling

: Operation mode = Fan only



: Shows the set temperature.

1 Start operation by pressing one of the following buttons.

Mode	Press	Result
Automatic operation		 The operation lamp lights up.
Cooling operation		
Drying operation		
Heating operation		
Fan only operation		



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

5 Operation

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

- 3 Press **OFF** to stop operation.

Result: The operation lamp goes off.

5.3.2 Airflow rate

- 1 Press **FAN** to choose:

	5 airflow rate levels, from "—" to "■"
	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** 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.

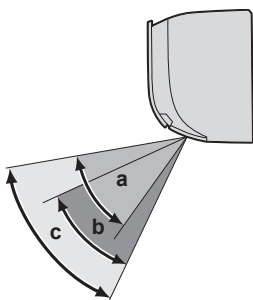
Setting	Airflow direction
Vertical auto swing	Moves up and down.
[—]	Stays in a fixed position.



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 heating operation
- c Flap range in fan only operation

To adjust the airflow direction

- 1 To use auto swing, press .

Result: will appear on the LCD.

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

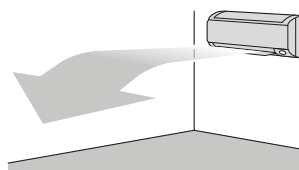
- 2 To use fixed position, press when the flap reaches the desired position.

Result: disappears from the LCD.

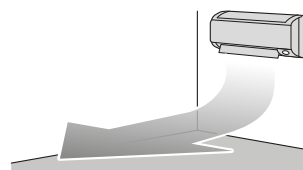
5.3.4 Comfort airflow operation

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

COMFORT

- 1 Press 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.

COMFORT

- 2 Press 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 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 to stop.

Result:  disappears from the LCD.

Note: Powerful operation can be set only when the unit is running. If you press  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

- Press  to start.

Result:  is displayed on the LCD.

- Press  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.


- Press .


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


- Press  again if you want to change the time setting.

INFORMATION

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

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

- To cancel the setting, press .

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

To start/stop OFF timer operation

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.


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


- Press .

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


- Press  again if you want to change the time setting.

INFORMATION

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

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

- To cancel the setting, press .

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

To combine OFF timer and ON timer

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

Result: OFF and ON are displayed on the LCD.

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

timers: 


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

Result: OFF and ON are displayed on the LCD.

Example:

- If  is set when the unit is operating.

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

- If  is set when the unit is NOT operating.

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

5.4 Wireless LAN connection

The customer is responsible for providing:

- Smartphone or tablet with minimum supported version of Android or iOS, specified on app.daikineurope.com.
- Internet line and communication device, such as a modem, router, etc.

5 Operation

- Wireless LAN access point
- Installed free ONECTA application

5.4.1 Precautions when using the wireless LAN

Do NOT use near:

- **Medical equipment.** E.g. persons using cardiac pacemakers or defibrillators. This product may cause electromagnetic interference.
- **Auto-control equipment.** E.g. automatic doors or fire alarm equipment. This product may cause faulty behaviour of the equipment.
- **Microwave oven.** It may affect wireless LAN communications.

5.4.2 To install the ONECTA app

- 1 Go to Google Play (for Android devices) or the App Store (for iOS devices) and search for "ONECTA".
- 2 Follow the directions on the screen to install the ONECTA app.



INFORMATION

Scan the QR code to download and install the ONECTA app on your mobile phone or tablet:



5.4.3 To set the wireless connection

There are two options to connect the wireless adapter with your smart device.

- **Connect the wireless LAN to your smart device directly.**
- **Connect the wireless LAN to your home network.** The wireless LAN will communicate with your smart device in your home network using a modem, router or a similar device.

For more information and FAQ refer to app.daikineurope.com.

- 1 Stop operation before setting the wireless connection.
- 2 Use the wireless remote control to select the wireless LAN setting menu.

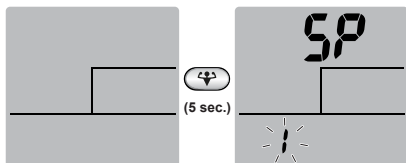
Note: During setting, always aim the wireless remote control at the infrared signal receiver on the unit.

Menu	Description
1	Connection status check and Access Point mode (connection via SSID and KEY)
2	WPS connection setting
R	Reset to factory default
OFF	Wireless LAN OFF

To confirm the wireless LAN connection status

Prerequisite: The operation is turned off (the default screen is blank).

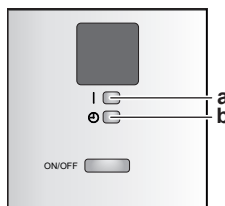
- 1 When on the default screen, hold for at least 5 seconds.
Result: The SP (wireless connection setting menu) appears. 1 is blinking.



- 2 Press to confirm the selection.

Result: 1 is blinking.

- 3 Check the operation and timer LEDs on the indoor unit display.



a Operation LED
b Timer LED

If operation LED...	...and timer LED...	...then wireless LAN is...
blinks	blinks	not connected
is off	blinks in 0.5 second interval	running and ready to connect to the home network via WPS button on the router.
is off	blinks in 1 second interval	<ul style="list-style-type: none">• connected to the home network via SSID + KEY.or• connected to the home network via WPS button on the router.

- 4 Press to exit the menu.

Result: The display will return to the default screen.

To connect the wireless LAN to your home network

The wireless adapter can be connected to your home network using the:

- WPS button (Wi-Fi Protected Setup) on the router (if present),
- The SSID (Service Set Identifier) and the KEY (password) - located on the unit.

To connect using the WPS button

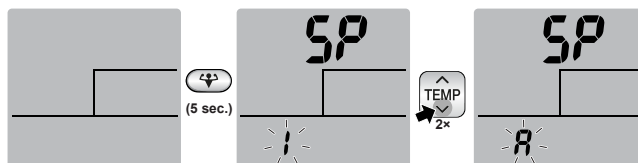
To reset the connection setting to the factory default

Reset the connection setting to the factory default in case you want to:

- disconnect the wireless LAN and the communication device (e.g. router) or smart device,
- repeat the setting if the connection was unsuccessful.

Prerequisite: The operation is turned off (the default screen is blank).

- 1 When on the default screen, hold for at least 5 seconds.
Result: The SP menu 1 appears. 1 is blinking.
- 2 Change to the SP menu R by pressing twice or repeatedly.



- 3 Hold for at least 2 seconds to confirm the selection.

Result: \mathcal{R} is blinking. The operation and timer LEDs are blinking at the same time in 1 s interval. The setting is reset to the factory default.


- 4 Press **CANCEL** to exit the menu.

Result: The display will return to the default screen.


To turn off the wireless LAN connection

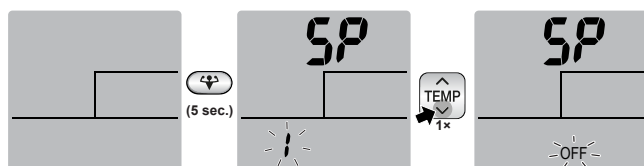
If you want to turn off the wireless connection function:


Prerequisite: The operation is turned off (the default screen is blank).

- 1 When on the default screen, hold  for at least 5 seconds.

Result: The SP menu \mathcal{P} appears. \mathcal{P} is blinking.

- 2 Change to the SP menu OFF by pressing  once or  repeatedly.



- 3 Hold  for at least 2 seconds to confirm the selection.

Result: OFF is blinking. The operation and timer LEDs are blinking alternately in 1 s interval. Communication is OFF.

- 4 Press **CANCEL** to exit the menu.

Result: The display will return to the default screen.

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 that should NOT get wet below the unit. Condensation on the unit or refrigerant pipes, or drain blockage may cause dripping. **Possible consequence:** Objects under the unit can 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.

Periodical inspections for refrigerant leaks may be required depending on the applicable legislation. Contact your installer for more information.

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 CO₂ equivalent.

Formula to calculate the quantity in CO₂ equivalent tonnes: GWP value of the refrigerant × total refrigerant charge [in kg]/1000

Contact your installer for more information.



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.



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).



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.

7 Maintenance and service



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.

Following symbols may occur on the indoor unit:

Symbol	Explanation
	Measure the voltage at the terminals of main circuit capacitors or electrical components before servicing.

7.2 To clean the indoor unit and wireless remote control



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.

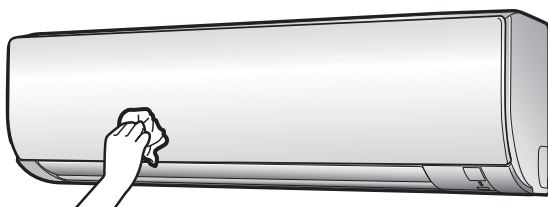


NOTICE

- 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.

- 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

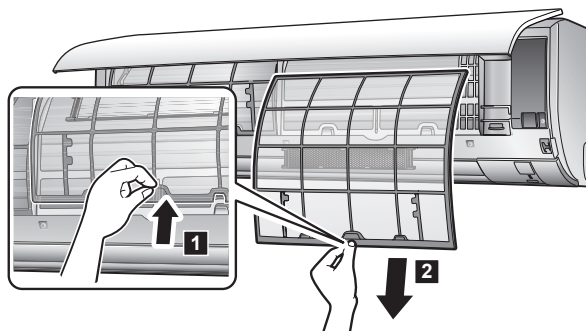


- 1 Clean the front panel with a soft cloth. If it is difficult to remove stains, use water or a neutral detergent.

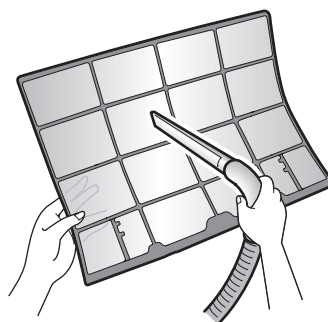
7.4 To clean the air filters

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

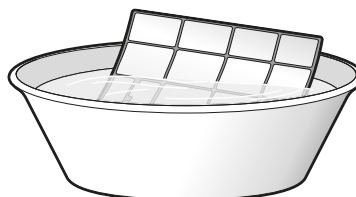
- 2 Pull out the air filters.



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



- 4 Soak in lukewarm water for about 10 to 15 minutes.



- 5 Install all filters back in their original positions. Make sure filters are completely dry before installation.



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.

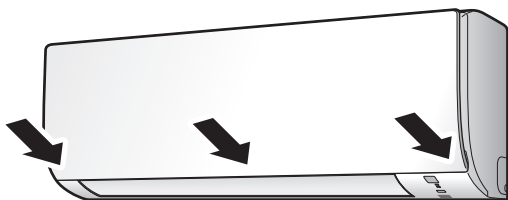


INFORMATION

- 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 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.



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

- 1 Set the mode to **fan only** by pressing **FAN ONLY** button to dry the inside of the unit.
- 2 After operation stops, turn the breaker OFF.
- 3 Clean the air filters and replace them in their original positions.
- 4 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 occurs, 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 <https://www.daikin.eu> for more troubleshooting tips. Use the search function 🔍 to find your model.

After checking all the items above, if 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.

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.

9 Disposal

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
L4	Indoor heat exchanger thermistor abnormality
L9	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

Error code	Description
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.



**DAIKIN ISITMA VE SOĞUTMA SİSTEMLERİ SAN.TİC. A.Ş.**

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3P717028-9J 2024.07