User reference guide

Daikin room air conditioner



CTXA15A2V1BW
FTXA20A2V1BW
FTXA25A2V1BW
FTXA35A2V1BW
FTXA42A2V1BW
FTXA50A2V1BW

CTXA15A2V1BS
FTXA20A2V1BS
FTXA25A2V1BS
FTXA35A2V1BS
FTXA42A2V1BS
FTXA50A2V1BS

CTXA15A2V1BT
FTXA20A2V1BT
FTXA25A2V1BT
FTXA35A2V1BT
FTXA42A2V1BT
FTXA50A2V1BT

User reference guide
Daikin room air conditioner

English

Table of Contents

1 General safety precautions 2
- 1.1 About the documentation ... 2
  - 1.1.1 Meaning of warnings and symbols ... 2
- 1.2 For the user ... 3

2 About the documentation 3
- 2.1 About this document ... 3
- 2.2 User reference guide at a glance ... 3

3 About the system 3
- 3.1 Indoor unit ... 4
- 3.2 About the user interface ... 4
  - 3.2.1 Components: User interface ... 4
  - 3.2.2 Status: User interface LCD ... 5
  - 3.2.3 To operate the user interface ... 5

4 Before operation 5
- 4.1 Overview: Before operation ... 5
- 4.2 To fix the user interface to the wall ... 5
- 4.3 To insert the batteries ... 6
- 4.4 Clock ... 6
  - 4.4.1 To set the clock ... 6
- 4.5 Brightness of the indoor unit display ... 6
  - 4.5.1 To set the brightness of the indoor unit display ... 6
- 4.6 To turn on the power supply ... 6
- 4.7 To change indoor unit position setting ... 6

5 Operation 7
- 5.1 Operation range ... 7
- 5.2 When to use which feature ... 7
- 5.3 Operation mode and temperature setpoint ... 7
  - 5.3.1 To start/stop operation and to set the temperature ... 8
  - 5.3.2 Airflow rate ... 8
  - 5.3.3 Airflow direction ... 8
  - 5.3.4 Comfort airflow and Intelligent eye operation ... 9
  - 5.3.5 Powerful operation ... 10
  - 5.3.6 Econo and Outdoor unit quiet operation ... 10
- 5.4 Flash streamer air cleaning operation ... 10
  - 5.4.1 To start/stop Flash Streamer operation ... 10
- 5.5 OFF/ON timer operation ... 11
  - 5.5.1 To start/stop OFF timer operation ... 11
  - 5.5.2 To start/stop ON timer operation ... 11
  - 5.5.3 To combine OFF timer and ON timer ... 11
- 5.6 Weekly timer operation ... 11
  - 5.6.1 To set Weekly timer operation ... 12
  - 5.6.2 To copy reservations ... 12
  - 5.6.3 To confirm reservations ... 12
  - 5.6.4 To deactivate and reactivate Weekly timer operation ... 13
  - 5.6.5 To delete reservations ... 13
- 5.7 Wireless LAN connection ... 13
  - 5.7.1 Precautions when using the wireless adapter ... 13
  - 5.7.2 To install the Daikin Online Controller application ... 13
  - 5.7.3 To set the wireless connection ... 13

6 Energy saving and optimum operation 15

7 Maintenance and service 15
- 7.1 Overview: Maintenance and service ... 15
- 7.2 To clean the indoor unit and user interface ... 16
- 7.3 To clean the front panel ... 16
- 7.4 To open the front panel ... 16
- 7.5 About the air filter ... 16
- 7.6 To clean the air filters ... 17
- 7.7 To clean the titanium apatite deodorizing filter and the silver particle filter (Ag-ion filter) ... 17
- 7.8 To replace the titanium apatite deodorizing filter and the silver particle filter (Ag-ion filter) ... 17
- 7.9 To close the front panel ... 17
- 7.10 To remove the front panel ... 18
- 7.11 To take following items into account before a long idle period ... 18

8 Troubleshooting 18
- 8.1 Symptoms that are NOT system malfunctions ... 19
  - 8.1.1 Symptom: A sound like water flowing is heard ... 19
  - 8.1.2 Symptom: A blowing sound is heard ... 19
  - 8.1.3 Symptom: A ticking sound is heard ... 19
  - 8.1.4 Symptom: A whistling sound is heard ... 19
  - 8.1.5 Symptom: A clicking sound during operation or idle time is heard ... 19
  - 8.1.6 Symptom: A clapping sound is heard ... 19
  - 8.1.7 Symptom: White mist comes out of a unit (Indoor unit, outdoor unit) ... 20
  - 8.1.8 Symptom: The units can give off odours ... 20
  - 8.1.9 Symptom: The outdoor fan rotates while the air conditioner is not in operation ... 20
- 8.2 Solving problems based on error codes ... 20
- 8.3 Troubleshooting for wireless connection adapter ... 20

9 Disposal 21

10 Glossary 21

1 General safety precautions

1.1 About the documentation

- The original documentation is written in English. All other languages are translations.
- The precautions described in this document cover very important topics, follow them carefully.
- The installation of the system, and all activities described in the installation manual and the installer reference guide MUST be performed by an authorised installer.

1.1.1 Meaning of warnings and symbols

DANGER

Indicates a situation that results in death or serious injury.

DANGER: RISK OF ELECTROCUTION

Indicates a situation that could result in electrocution.

DANGER: RISK OF BURNING

Indicates a situation that could result in burning because of extreme hot or cold temperatures.

DANGER: RISK OF EXPLOSION

Indicates a situation that could result in explosion.

WARNING

Indicates a situation that could result in death or serious injury.

WARNING: FLAMMABLE MATERIAL

CAUTION

Indicates a situation that could result in minor or moderate injury.

NOTICE

Indicates a situation that could result in equipment or property damage.

INFORMATION

Indicates useful tips or additional information.

Symbol	Explanation
	Before installation, read the installation and operation manual, and the wiring instruction sheet.
	Before performing maintenance and service tasks, read the service manual.
	For more information, see the installer and user reference guide.

1.2 For the user

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

NOTICE

- 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: the dismantling of the system, treatment of the refrigerant, of oil and of other parts must be done by an authorized installer and must comply with applicable legislation.
Units must be treated at a specialized 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 specialized 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 About the documentation

2.1 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 http://www.daikineurope.com/support-and-manuals/product-information/

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

The original documentation is written in English. All other languages are translations.

2.2 User reference guide at a glance

Chapter	Description
General safety precautions	Safety instructions that you MUST read before operation
About the documentation	What documentation exists for the user
About the system	▪ Operation range ▪ Description of indoor unit and user interface
Before operation	What to do before starting operation
Operation	How and when to use certain features
Energy saving and optimum operation	How to save energy
Maintenance and service	How to maintain and service the unit
Troubleshooting	What to do in case of problems
Disposal	How to dispose of the system
Glossary	Definition of terms

3 About the system

WARNING: 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.

3.1 Indoor unit

CAUTION

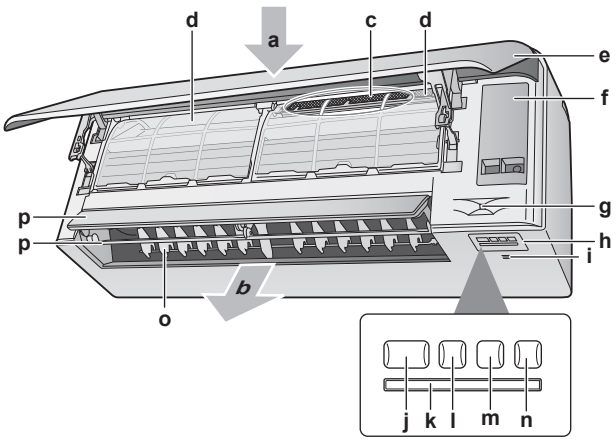
Do NOT insert fingers, rods or other objects into the air inlet or outlet. When the fan is rotating at high speed, it will cause injury.

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 electric 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.



a	Air inlet
b	Air outlet
c	Titanium apatite deodorizing filter and silver particle filter (Ag-ion filter)
d	Air filter
e	Front panel
f	Service cover
g	Intelligent eye sensor
h	Display
i	Room temperature and humidity sensor
j	ON/OFF button and operation lamp (green)
k	Signal receiver
l	Timer lamp (orange)
m	Intelligent eye lamp (green)
n	Wireless adapter ON/OFF button
o	Louvers (vertical blades)
p	Flaps (horizontal blades)

Note: Position of titanium apatite deodorizing filter and silver particle filter is interchangeable.

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

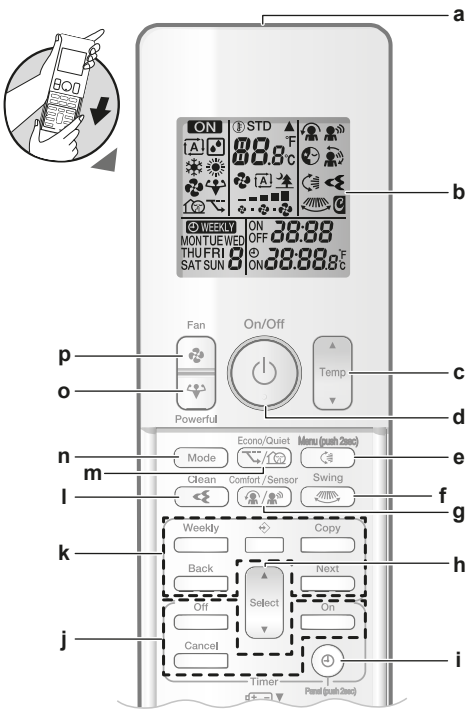
3.2 About the user interface

- **Direct sunlight.** Do NOT expose the user interface 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 user interface signals operate other appliances, move the other appliances, or contact your installer.
- **Curtains.** Make sure that the signal between the unit and the user interface is NOT blocked by curtains or other objects.

NOTICE

- Do NOT drop the user interface.
- Do NOT let the user interface get wet.

3.2.1 Components: User interface

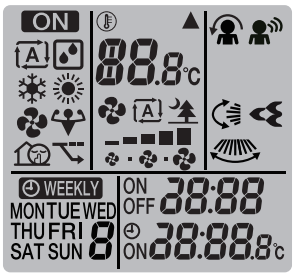


a	Signal transmitter
b	LCD display
c	Temperature adjustment button
d	ON/OFF button
e	Vertical swing button and menu (push 2 seconds)
f	Horizontal swing button
g	Comfort airflow and Intelligent eye operation button
h	Select button
i	Clock button and open panel (push 2 seconds)
j	Buttons for ON/OFF timer operation
k	Buttons for Weekly timer operation
l	Streamer
m	Econo and Outdoor unit quiet operation button
n	Mode button
o	Powerful button
p	Fan button

INFORMATION

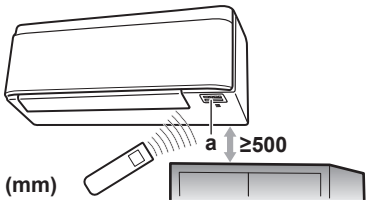
Use (hold for 2 seconds) to open the front panel when you clean the air filters. See "7.4 To open the front panel" on page 16.

3.2.2 Status: User interface LCD



Icon	Description
ON	Operation is active
	Operation mode = Automatic
	Operation mode = Drying
	Operation mode = Heating
	Operation mode = Cooling
	Operation mode = Fan only
	Powerful operation is active
	Econo operation is active
	Outdoor unit quiet operation is active
▲	The indoor unit receives a signal from the user interface
	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
	Intelligent eye is active
	Automatic vertical swing is active
	Automatic horizontal swing is active
	Streamer is active
ON	ON timer is active
OFF	OFF timer is active
WEEKLY	Weekly timer is active
MON TUE WED THU FRI SAT SUN	Day of the week
	Current time

3.2.3 To operate the user interface



a Signal receiver

Note: Make sure that there are no obstacles within 500 mm under the signal receiver. They may influence reception performance of the user interface.

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

Result: When the indoor unit receives a signal from the user interface, you will hear a sound:

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

4 Before operation

4.1 Overview: Before operation

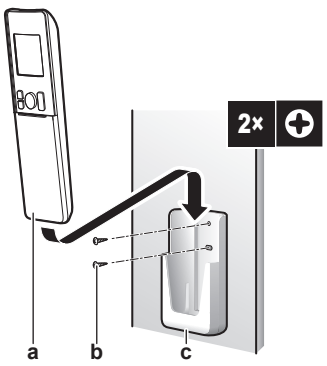
This chapter describes what you have to do before operating the unit.

Typical workflow

Before operation usually consist of the following stages:

- Fixing the user interface to the wall.
- Inserting the batteries in the user interface.
- Setting the brightness of the user interface display.
- Setting the clock.
- Setting the indoor unit position.
- Turning on the power supply.

4.2 To fix the user interface to the wall



a User interface
b Screws
c User interface 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 user interface on the user interface holder.

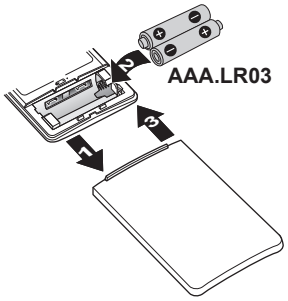
4.3 To insert the batteries

The batteries will last for about 1 year.

1 Remove the front cover.

2 Insert both batteries at once.

3 Put back the front cover.



4.4 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 correctly. The clock must be set again:

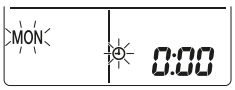
- After a circuit breaker has turned the unit OFF.
- After a power failure.
- After replacing batteries in the user interface.

4.4.1 To set the clock

Note: If the time is NOT set MON, ⏲, and 0:00 blink.

1 Press ⏲.

Result: MON and ⏲ blink



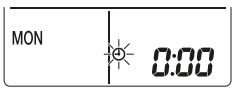
2 Press Select ▲ or Select ▼ to set the current day of the week.

Note: Holding down Select ▲ or Select ▼ increases or decreases the time setting rapidly.

Display	Day of the week
MON	Monday
TUE	Tuesday
WED	Wednesday
THU	Thursday
FRI	Friday
SAT	Saturday
SUN	Sunday

3 Press ⏲.

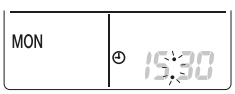
Result: ⏲ blinks.



4 Press Select ▲ or Select ▼ to set the correct time.

5 Press ⏲.

Result: Setting is complete. : blinks.



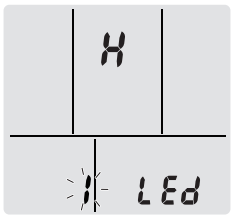
4.5 Brightness of the indoor unit display

Adjust the brightness of the indoor unit display as desired, or turn OFF the display.

4.5.1 To set the brightness of the indoor unit display

1 Press ☜ for at least 2 seconds.

Result: The menu 1 appears on the display. 1 is blinking.



2 Press ☜.

3 Press Select ▲ or Select ▼ to change the setting as follows:



…is blinking	Brightness is…
H	High
L	Low
oF	Off

4 To confirm the selected setting, press ☜.

Result: The brightness setting is changed.

Note: The display automatically returns to the default screen after 60 seconds. To return to the default screen sooner, press Cancel twice.

4.6 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.

4.7 To change indoor unit position setting

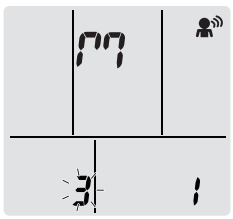
Set the indoor unit position to avoid direct airflow to walls.

1 Press ☜ for at least 2 seconds.

Result: The menu 1 appears on the display.

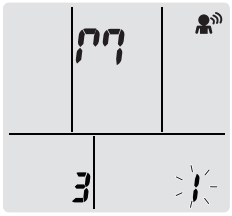
2 Press Select ▼ or Select ▲ to change the menu to 3.

Result: The menu 3 appears on the display. 3 blinks.



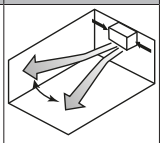
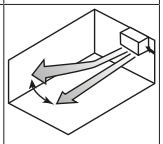
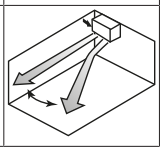
3 Press ☜ to select the menu.

Result: 1 blinks.



4 Press Select or Select to change the setting as follows:



If the unit is…	Symbol	Blinks	Result
In the middle of the wall (factory default setting)	P7	1	
≤500 mm from the wall on right	r9	2	
≤500 mm from the wall on left	P7	3	

Result: The airflow range will be adjusted to avoid direct contact with the wall.

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: –10~46°C ▪ Indoor temperature: 18~32°C ▪ Indoor humidity: ≤80%
Heating[a]	▪ Outdoor temperature: –15~24°C ▪ Indoor temperature: 10~30°C
Drying[a]	▪ Outdoor temperature: –10~46°C ▪ Indoor temperature: 18~32°C ▪ Indoor humidity: ≤80%

If operated outside the operation range:
(a) A safety device might stop the operation of the system.
(b) Condensation might occur on the indoor unit and drip.

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	
Streamer	To remove airborne allergens such as mold, pollen, adjuvant substances, viruses, bacteria…
ECONO Econo	To use the system when you are also using other power-consuming appliances. To save energy.
Outdoor unit quiet	To decrease the noise level of the outdoor unit. Example: At night.
Comfort	To automatically adjust the airflow direction to cool down or heat up the room more effectively.
Intelligent eye	To prevent the air from coming in direct contact with people. To save energy when nobody is in the room.
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.
ON OFF WEEKLY Weekly timer	To automatically turn ON or OFF the system on a weekly basis.
Additional features	
Wireless LAN connection	To operate the unit using smart appliances.

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
A 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 without changing the temperature.

Setting	Description
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.
- **Humidity sensor.** Control the humidity by decreasing the humidity during cooling process.

5.3.1 To start/stop operation and to set the temperature



ON: Unit is operating.

: Operation mode = Automatic

: Operation mode = Drying

: Operation mode = Cooling

: Operation mode = Heating

: Operation mode = Fan only

88.8°C: Shows the set temperature.

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

Result: The mode will be set as follows:



2 Press ⏻ to **start** operation.

Result: ON and the selected mode are displayed on the LCD.

3 Press Temp ▼ or Temp ▲ one or more times to lower or raise the **temperature**.

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

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

4 Press ⏻ to **stop** operation.

Result: ON disappears from the LCD. The operation lamp goes off.

5.3.2 Airflow rate

Note: If the unit reach the temperature set point in cooling, heating or automatic mode. Fan will stop operating.

1 Press to choose:

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

Note: When using **drying** operation mode, you CANNOT adjust the airflow rate setting.

To adjust the airflow rate

1 Press to change the airflow setting as follows:



5.3.3 Airflow direction

When. Adjust the airflow direction as desired.

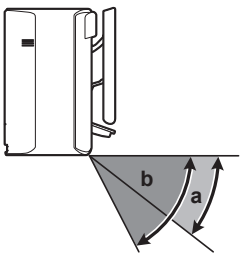
What. The system directs the airflow differently, depending on the user selection (swinging or fixed position). It does so by moving horizontal blades (flaps) or vertical blades (louvers).

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

CAUTION

- ALWAYS use a user interface 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.
- Be careful when adjusting the flaps and louvers. Inside the air outlet, a fan is rotating at high speed.

Note: 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 or fan only operation

To adjust vertical airflow direction

1 Press .

Result: appears on the LCD. The flaps (horizontal blades) will begin to swing.

2 To use fixed position, press when the flaps reach the desired position.

Result: disappears from the LCD. The flaps will stop moving.

To adjust horizontal airflow direction

1 Press .

Result: appears on the LCD. The louvers (vertical blades) will begin to swing.

2 To use fixed position, press when the louvers reach the desired position.

Result: disappears from the LCD. The flaps will stop moving.

To use 3-D airflow direction

1 Press and .

Result: and appear on the LCD. The flaps (horizontal blades) and louvers (vertical blades) will begin to swing.

2 To use fixed position, press and when the flaps and louvers reach the desired position.

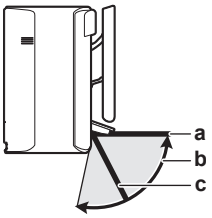
Result: and disappear from the LCD. The flaps and the louvers will stop moving.

5.3.4 Comfort airflow and Intelligent eye operation

You can use Comfort and Intelligent eye operation separately, or combine them.

Comfort airflow operation

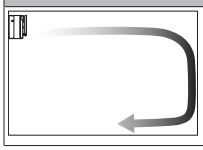
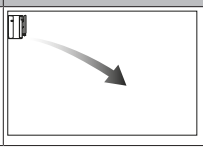
The unit will automatically change the direction of the airflow to heat up or cool down the room more effectively. Direct airflow from the unit will be less noticeable.



a Flap position in cooling and dry operation
b Flap range in heating operation (vertical airflow ON)
c Flap position in heating operation (vertical airflow OFF)

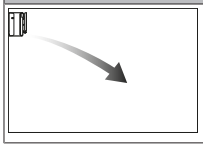
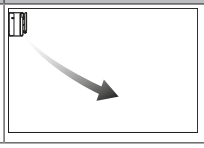
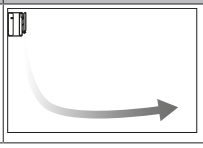
In cooling and drying

The airflow direction will change to spread the air along the ceiling.

Comfort airflow ON	Comfort airflow OFF
	

In heating

The airflow direction will change to spread the air along the floor. The unit detects the room and floor temperature and automatically selects 1 of the 3 airflow directions.

Warming up	Downward direction	Vertical airflow direction
		

INFORMATION

If you want to deactivate the Vertical airflow function (e.g. in case there is furniture or another object under the unit), refer to "To turn ON/OFF Vertical airflow function" on page 9. If the Vertical airflow function is deactivated, the airflow will be set to downward direction.

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.

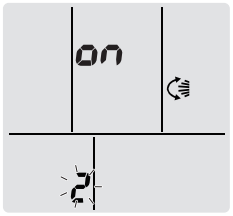
To turn ON/OFF Vertical airflow function

1 Press for at least 2 seconds.

Result: The menu appears on the display.

2 Press or to change the menu screen.

Result: The menu appears on the display.



3 Press to change the setting.

4 Press or to change the setting.

...is blinking	Vertical airflow function is...
on	turned ON
oF	turned OFF

5 To confirm the selected setting press .

Note: The display automatically returns to the default screen after 60 seconds. To return to the default screen sooner, press Cancel twice.

Intelligent eye operation

The system detects movement in the room and automatically adjusts the airflow direction and temperature in order to avoid direct contact with people. If no movement is detected for 20 minutes, the system switches to energy saving operation:

Operation	Energy saving operation
Heating	Temperature is lowered by 2°C.
Cooling and drying	If the temperature in the room is: ▪ <30°C, the temperature is raised by 2°C ▪ ≥30°C, the temperature is raised by 1°C
Fan only	Decreases airflow rate.

About Intelligent eye sensor

NOTICE

- Do NOT hit or push the Intelligent eye sensor. Doing so may lead to malfunction.
- Do NOT place large objects near the Intelligent eye sensor.

- **Detection range**. Up to 9 m.
- **Detection sensitivity**. Changes according to location, the number of persons in the room, temperature range, etc.
- **Detection mistakes**. Sensor may mistakenly detect pets, sunlight, moving curtains, etc.

To start/stop Comfort and Intelligent eye operation

1 Press one or more times.

Result: The setting will change as follows:



Display	Operation
	Comfort airflow
	Intelligent eye
+	Comfort airflow and Intelligent eye
—	Both deactivated

Note: If there are people close to the front of the indoor unit or there are too many people, use both operations at the same time.

2 To stop operation, press (/) until both symbols disappear 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, Comfort airflow, Intelligent eye and Outdoor unit quiet 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.

Mode	Airflow rate
Cooling/Heating/Automatic	▪ To maximize the cooling/heating effect, the capacity of outdoor unit is increased. ▪ The airflow rate is fixed to the maximum setting.
Drying	▪ The temperature setting is lowered by 2.5°C. ▪ The airflow rate is slightly increased.
Fan only	The airflow rate is fixed to the maximum setting.

2 Press to stop.

Result: disappears from the LCD.

Note: Powerful operation can only be set when the unit is running. Press to cancel this mode; disappears from the LCD.

5.3.6 Econo and Outdoor unit quiet operation

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.

Outdoor unit quiet operation

Use Outdoor unit quiet operation when you want to decrease the noise level of the outdoor unit. **Example:** At night.

INFORMATION

- Powerful and Outdoor unit quiet operation CANNOT be used at the same time. The last selected function takes priority.
- This function is only available in Automatic, Cooling, and Heating operation.
- Outdoor unit quiet operation limits the rotation speed of the compressor. If the rotation speed of compressor is already low, Outdoor unit quit operation will NOT further reduce the compressor rotation speed.

To start/stop Econo and Outdoor unit quiet operation

1 Press / one or more times.

Result: The setting will change as follows.



Display	Operation
	Econo
	Outdoor unit quiet
+	Econo and Outdoor unit quiet
—	Both deactivated

2 To stop operation, press / until both symbols disappear from the LCD.

Note: Econo operation can be only set when the unit is running. Pressing cancels the setting and disappears from the LCD.

Note: remains on the LCD, even if you turn off the unit using the user interface or indoor unit ON/OFF switch.

5.4 Flash streamer air cleaning operation

Streamer generates a high-speed electron stream with a high oxidizing power, reducing bad odours and viruses. Together with the titanium apatite deodorizing filter and the air filters, this function cleans the air in the room.

INFORMATION

- The high-speed electrons are generated and go away inside the unit to ensure safe operation.
- The streamer discharge may generate a fizzing sound.
- If the airflow becomes weak, the Streamer discharge may stop temporarily to prevent ozone smell.

5.4.1 To start/stop Flash Streamer operation

1 Press .

Result: is displayed on the LCD and the air in the room is cleaned.

2 To stop operation, press .

Result: disappears from the LCD and operation stops.

5.5 OFF/ON timer operation

Timer functions are useful for automatically switching the air conditioner on/off 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 user interface.

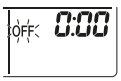
INFORMATION

The clock MUST be set correctly before using any timer functions. Refer to "4.4.1 To set the clock" on page 6.

5.5.1 To start/stop OFF timer operation

1 Press Off to start.

Result: 0:00 is displayed on the LCD, the timer lamp lights up, and OFF blinks. and the day of the week disappear from the LCD.



2 Press Select or Select to change the time setting.

3 Press Off again.

Result: OFF and the set time are displayed on the LCD.

Result: The timer lamp lights up.

INFORMATION

Each time Select or Select is pressed, the time setting advances by 10 minutes. Holding the button down will change the setting rapidly.

4 To stop operation, press Cancel.

Result: 0:00 and OFF disappear from the LCD and the timer lamp goes off. and the day of the week are displayed on the LCD.

INFORMATION

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

Use of night set mode in combination with OFF timer

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.

5.5.2 To start/stop ON timer operation

1 Press On to start.

Result: 6:00 is displayed on the LCD, the timer lamp lights up, and ON blinks. and the day of the week disappear from the LCD.



2 Press Select or Select to change the time setting.

3 Press On again.

Result: ON and the set time are displayed on the LCD. The timer lamp lights up.

INFORMATION

Each time Select or Select is pressed, the time setting advances by 10 minutes. Holding the button down will change the setting rapidly.

4 To stop operation, press Cancel.

Result: 6:00 and ON disappear from the LCD and the timer lamp goes off. and the day of the week are displayed on the LCD.

5.5.3 To combine OFF timer and ON timer

1 To set the timers, refer to "5.5.1 To start/stop OFF timer operation" on page 11 and "5.5.2 To start/stop ON timer operation" on page 11.

Result: OFF and ON are displayed on the LCD.

Example:

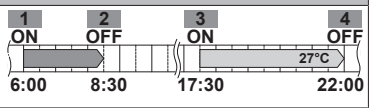
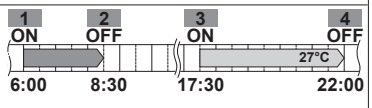
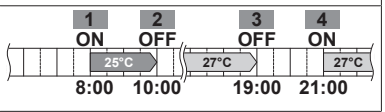
Display	Current time	Set while…	Operation
OFF 7:00 ON 14:00	6:00	the unit is operating.	Stops at 7:00 and starts at 14:00.
		the unit is NOT operating.	Starts at 14:00.

Note: If the timer setting is active, the current time is NOT displayed on the LCD.

5.6 Weekly timer operation

With this operation, you can save up to 4 timer settings for each day of the week.

Example: Create a different setting from Monday to Friday and a different setting for weekends.

Day of the week	Setting example
Monday ▪ Make up to 4 settings.	
Tuesday~Friday ▪ Use the copy mode if the settings are the same as for Monday.	
Saturday ▪ No timer setting	—
Sunday ▪ Make up to 4 settings.	

- **ON-ON-ON-ON setting.** Enables scheduling the operation mode and set temperature.
- **OFF-OFF-OFF-OFF setting.** Only the turn off time can be set for each day.

Note: Be sure to aim the user interface at the indoor unit and check for a receiving tone when setting the Weekly timer operation. See "3.2.3 To operate the user interface" on page 5.

INFORMATION

The clock MUST be set correctly before using any timer functions. Refer to "4.4.1 To set the clock" on page 6.

INFORMATION

- Weekly timer and ON/OFF timer operation CANNOT be used at the same time. The ON/OFF timer operation takes priority. Weekly timer will be in standby, WEEKLY disappears from the LCD. When the ON/OFF timer is completed, the Weekly timer becomes active.
- The day of the week, ON/OFF timer mode, time and temperature (only for ON timer) can be set with the Weekly timer. Other settings are based on previous ON timer setting.

5.6.1 To set Weekly timer operation

1 Press .

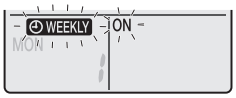
Result: The day of the week and the reservation number of the current day are displayed.



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

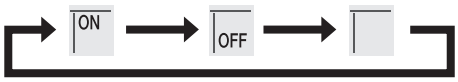
3 Press Next.

Result: The day of the week is set. WEEKLY and ON blink.



4 Press Select or Select to select the mode.

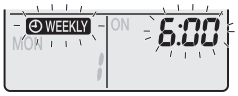
Result: The setting will change as follows:



Display	Feature
ON	ON timer
OFF	OFF timer
Blank	Deletes reservation

5 Press Next.

Result: The ON/OFF timer mode is set. WEEKLY and the time blink.

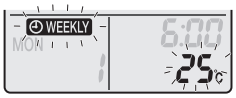


Note: Press Back to return to the previous screen. If blank is selected, continue to step 9.

6 Press Select or Select to select the time. The time can be set between 0:00~23:50 in 10 minutes intervals.

7 Press Next.

Result: The time is set and WEEKLY and the temperature blink.



Note: Press Back to return to the previous screen. If OFF timer is selected, continue to step 9.

8 Press Select or Select to select the desired temperature.

Note: The set temperature is only displayed when the mode setting is on.

9 Press Next.

Result: Temperature and time are set in ON timer. Time is set in OFF timer. Timer lamp lights orange.

Result: New reservation screen will appear.

10 Repeat the previous procedure to set another reservation or press to complete the setting.

11 Press to complete the setting.

Result: WEEKLY is displayed on the LCD.

Note: A reservation can be copied with same setting to another day. Refer to "5.6.2 To copy reservations" on page 12.

5.6.2 To copy reservations

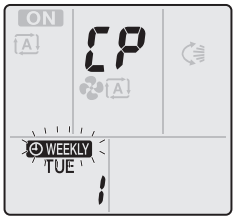
A reservation can be copied to another day. The complete reservation of the selected day of the week will be copied.

1 Press .

2 Press Select or Select to select the day of the week to be copied.

3 Press Copy.

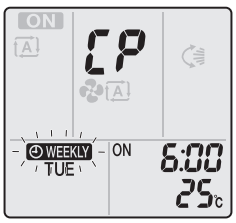
Result: The reservation of the selected day of the week will be copied.



4 Press Select or Select to select the destination day.

5 Press Copy.

Result: The whole reservation is copied to the selected day and the timer lamp lights orange.



Note: To copy to another day, repeat the procedure.

6 Press to complete the setting.

Result: WEEKLY is displayed on the LCD.

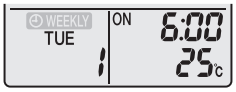
Note: To change the reservation setting after copying, refer to "5.6.1 To set Weekly timer operation" on page 12.

5.6.3 To confirm reservations

You can confirm if all reservations are set to your needs.

1 Press .

Result: The day of the week and the reservation number of the current day are displayed.



2 Press Select or Select to select the day of the week and reservation number to be confirmed and check the reservation details.

Note: To change the reservation setting, refer to "5.6.1 To set Weekly timer operation" on page 12.

3 Press ◈ to exit the confirmation mode.

5.6.4 To deactivate and reactivate Weekly timer operation

1 To deactivate the Weekly timer, press Weekly while WEEKLY is displayed on the LCD.

Result: WEEKLY disappears from the LCD and the timer lamp goes off.

2 To reactivate the Weekly timer, press Weekly again.

Result: The last set reservation mode will be used.

5.6.5 To delete reservations

To delete individual reservations

Use this function if you want to delete a single reservation setting.

1 Press ◈.

Result: The day of the week and the reservation number are displayed.

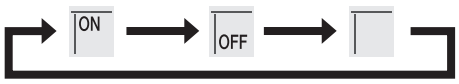
2 Press Select or Select to select the day of the week to be deleted.

3 Press Next.

Result: WEEKLY, ON, and OFF blink.

4 Press Select or Select and select "blank".

Result: The setting will change as follows:



5 Press Next.

Result: The selected reservation is deleted.

6 Press ◈ to exit.

Result: Remaining reservations will be active.

To delete a reservation for each day of the week

Use this function of you want to delete all reservation settings for one day of the week. This can be used in confirmation or setting mode.

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

2 Hold Weekly for about 5 seconds.

Result: All reservations for the selected day will be deleted.

To delete all reservations

Use this function if you want to delete all reservations for all days of the week in one go. This procedure CANNOT be used in the setting mode.

1 Hold Weekly for about 5 seconds while in the default display.

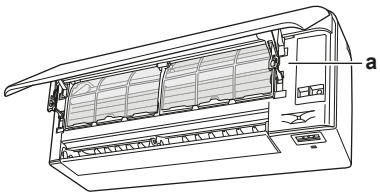
Result: All reservations will be deleted.

5.7 Wireless LAN connection

The customer is responsible for providing:

- Smartphone, tablet or another smart device with one of the following operating systems:
  - Android 4.0.3 or later
  - iOS 7.1.2 or later
- Internet line and communication device, such as a modem, router, etc.
- Wireless LAN access point
- Installed free **Daikin Online Controller** application

Note: If needed, the SSID number and the KEY are located on the unit or can be found in the accessory bag.



a Label with SSID number and password

5.7.1 Precautions when using the wireless adapter

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.

5.7.2 To install the Daikin Online Controller application

1 Open:

- Google Play for appliances using Android.
- App Store for appliances using iOS.

2 Search for **Daikin Online Controller**.

3 Follow the directions on the screen to install.

5.7.3 To set the wireless connection

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

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

For more information and FAQ refer to:

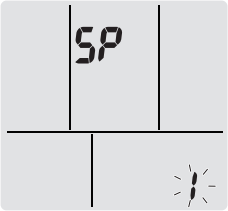
http://www.onlinecontroller.daikineurope.com/.

1 Stop the operation before setting the wireless connection.

To confirm the wireless adapter connection status

1 Press ⚙ for at least 5 seconds.

Result: The confirmation display (menu ⚙) appears.



2 Press [⚙] to confirm the selection.

Result: 1 is blinking.

3 Check the indoor unit LED.

…lamp is blinking.	Status
Timer	Communication is OK
Operation and timer	Communication is OFF

4 Press [Cancel] to exit the menu.

Result: The display will return to the default screen.

To connect the wireless adapter to your home network

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

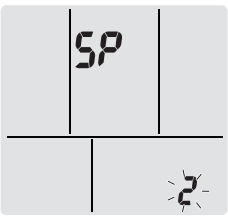
- **WPS** button on the router (if present).
- **SSID** and **KEY** number on the unit.

To connect using the WPS button

1 Press [⚙] for at least 5 seconds in the default screen.

Result: The confirmation display (menu 1) appears.

2 Keep pressing [Temp ▼] or [Temp ▲] until the WPS setting display (menu 2) appears.



3 Press [⚙] to confirm the selection.

Result: 2 is blinking.

4 Press the WPS button on your communication device (e.g. router) within approximately 1 minute. Refer to the manual of your communication device.

Result: The timer LED is blinking.

5 Press [Cancel] to exit the menu.

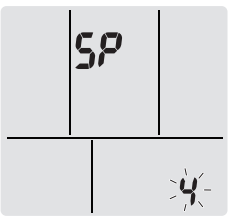
Result: The display will return to the default screen.

To connect using SSID and KEY number

1 Press [⚙] for at least 5 seconds in the default screen.

Result: The confirmation display (menu 1) appears.

2 Keep pressing [Temp ▼] or [Temp ▲] until the WPS setting display (menu 4) appears.



3 Press [⚙] to confirm the selection.

Result: 4 is blinking.

4 Open the Daikin Online Controller application and follow the steps on the screen.

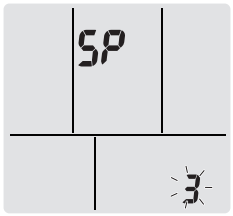
Result: The timer LED is blinking.

To connect the wireless adapter to your device directly

1 Press [⚙] for at least 5 seconds in the default screen.

Result: The confirmation display (menu 1) appears.

2 Keep pressing [Temp ▼] or [Temp ▲] until the AP setting display (menu 3) appears.



3 Press [⚙] to confirm the selection.

Result: 3 is blinking.

4 Connect with your smart device to the access point in the same way as to a standard wireless network.

5 Enter the SSID number and password on the unit or in the accessory set.

Result: The operation and timer LEDs are blinking.

6 Press [Cancel] to exit the menu.

Result: The display will return to the default screen.

To reset the connection setting to the factory default

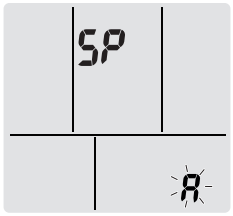
Reset the connection setting to the factory default in case you want to:

- switch between the WPS and the AP connection option,
- disconnect the Wi-Fi adapter and the communication device (e.g. router) or smart device,
- repeat the setting if the connection was unsuccessful.

1 Press [⚙] for at least 5 seconds in the default screen.

Result: The confirmation display(menu 1) appears.

2 Keep pressing [Temp ▼] or [Temp ▲] until the A display (menu A) appears.



3 Hold [⚙] for at least 2 seconds to confirm the selection.

Result: A is blinking. 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 connection

You can turn off the wireless connection using:

- the user interface,
- the wireless adapter ON/OFF button on the unit.

To use the wireless adapter ON/OFF switch

1 Press the wireless adapter ON/OFF switch.

Result: The wireless adapter communication is OFF.

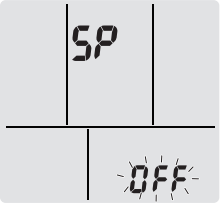
Note: Press the ON/OFF switch again to turn on the wireless adapter.

To use the user interface

1 Press for at least 5 seconds in the default screen.

Result: The confirmation display (menu) appears.

2 Keep pressing or until the OFF menu appears.



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

Result: OFF is blinking. Communication is OFF. The operation and timer LEDs are blinking.

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.

WARNING

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.

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.

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

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

Observe the following precautions to ensure the system operates properly.

- Prevent direct sunlight from entering a room during cooling operation by using curtains or blinds.
- Ventilate often. Extended use requires special attention to ventilation.
- Keep doors and windows closed. If the doors and windows remain open, air will flow out of your room causing a decrease in the cooling or heating effect.
- Be careful NOT to cool or heat too much. To save energy, keep the temperature setting at a moderate level.
- NEVER place objects near the air inlet or the air outlet of the unit. Doing so may cause a reduced heating/cooling effect or stop operation.
- Turn off the main power supply switch to the unit when the unit is NOT used for longer periods of time. If the main power supply switch is on, the unit consumes electricity. Before restarting the unit, turn on the main power supply switch 6 hours before operation to ensure smooth running.
- Condensation may form if the humidity is above 80% or if the drain outlet gets blocked.
- Adjust the room temperature properly for a comfortable environment. Avoid excessive heating or cooling. Notice that it may take some time for the room temperature to reach the set temperature. Consider using the timer setting options.
- Adjust the air flow direction to avoid cool air from gathering on the floor or warm air against the ceiling. (Up during cooling or dry operation to the ceiling and down during heating operation.)
- Avoid direct air flow to room inhabitants.
- Operate the system within the recommended temperature range (26~28°C for cooling and 20~24°C for heating) to save energy.

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

In Europe, the **greenhouse gas emissions** of the total refrigerant charge in the system (expressed as tonnes CO_2 equivalent) is used to determine the maintenance intervals. Follow the applicable legislation.

Formula to calculate the greenhouse gas emissions: 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 authorized installer or service agent.

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

WARNING

To prevent electric 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 carefull with ladders when working in high places.

7.2 To clean the indoor unit and user interface

NOTICE

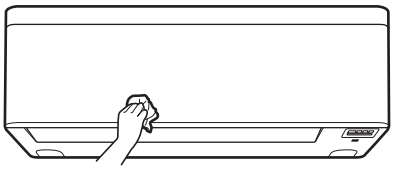
- Do NOT use gasoline, benzene, thinner polishing powder or liquid insecticide. **Possible consequence:** Discoloration and deformation.
- Do NOT use water or air of 40°C or higher. **Possible consequence:** Discoloration and deformation.
- Do NOT use polishing compounds.
- Do NOT use a scrubbing brush. **Possible consequence:** The surface finishing peels off.

DANGER: RISK OF ELECTROCUTION

Before cleaning, be sure to stop the operation, turn the breaker off or pull out the supply cord. Otherwise, an electric 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 with a soft cloth. If it is difficult to remove stains, use water or a neutral detergent.

7.4 To open the front panel

Open the front panel using the user interface.

1 Stop operation.

2 Hold ⏲ on the user interface for at least 2 seconds.

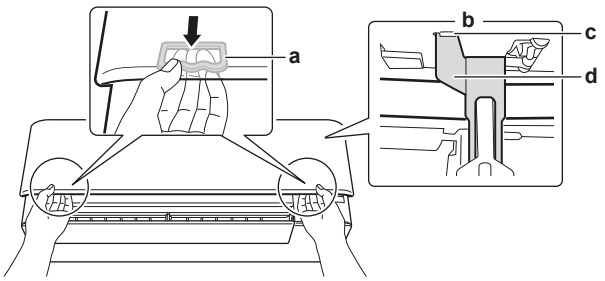
Result: The front panel will open.

Note: Press and hold ⏲ again for at least 2 seconds to close the front panel.

3 Turn the power supply off.

4 Pull down both locks on the back of the front panel.

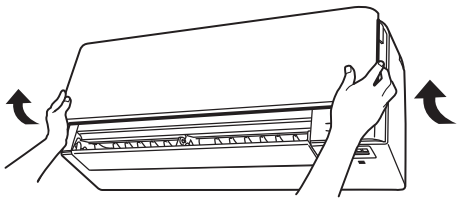
5 Open the front panel until the support fits into the fixing tab.



a Lock (1 on each side)
b Backside of the front panel
c Fixing tab
d Support

INFORMATION

If you CANNOT find the user interface or you use another optional controller. Pull the front panel carefully up by hand as shown in the following figure.



7.5 About the air filter

Operating the unit with dirty filters means that the filter:

- CANNOT deodorize the air,
- CANNOT clean the air,
- poor heating/cooling,

- causes odour.

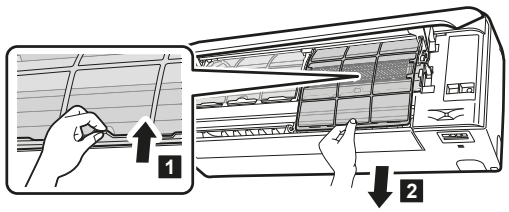
To order titanium apatite deodorizing filter or silver particle filters, contact your dealer.

Item	Part number
Titanium deodorizing filter (without frame) 1 set	KAF970A46
Silver particle filter (with frame) 2 sets	KAF057A41

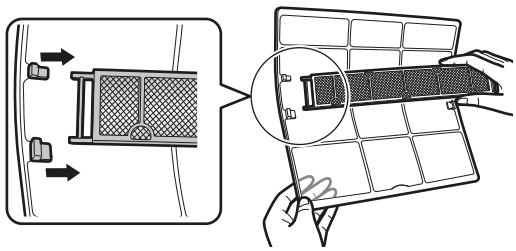
7.6 To clean the air filters

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

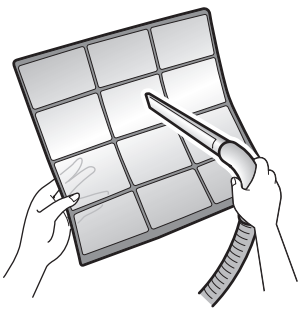
2 Pull out the air filters.



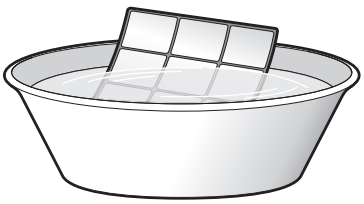
3 Remove the titanium apatite deodorizing filter and silver particle filter from the tabs.



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.



INFORMATION

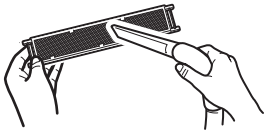
- If the dust does NOT come off easily, wash them with a neutral detergent diluted in lukewarm water. Dry the air filters in the shade.
- It is recommended to clean the air filters every 2 weeks.

7.7 To clean the titanium apatite deodorizing filter and the silver particle filter (Ag-ion filter)

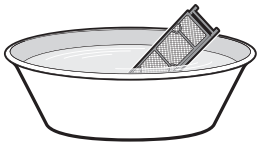
INFORMATION

- Replace the filter every 3 years.
- Clean the filter with water every 6 months.

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



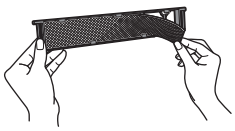
2 Soak the filter for 10 to 15 minutes in warm water. Do NOT remove the filter from frame.



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

7.8 To replace the titanium apatite deodorizing filter and the silver particle filter (Ag-ion filter)

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



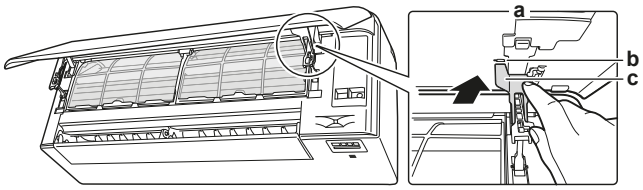
INFORMATION

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

7.9 To close the front panel

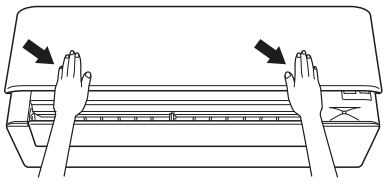
1 Set the filters as they were.

2 Lift the front panel slightly and remove the support from the fixing tab.



a Backside of the front panel
b Fixing tab
c Support

3 Close the front panel.



4 Gently press the front panel down until it clicks.

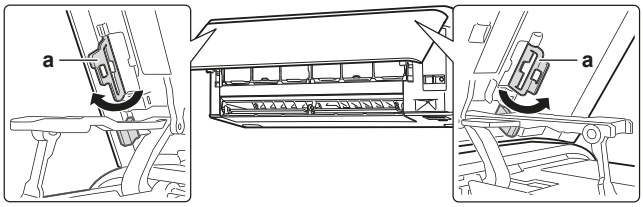
7.10 To remove the front panel

INFORMATION

Remove the front panel only in case it MUST be replaced.

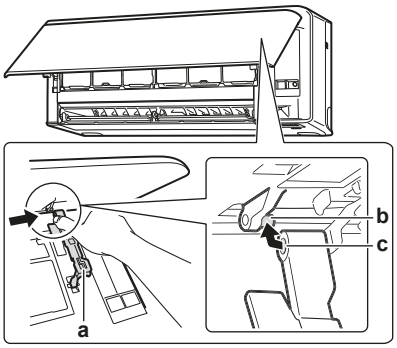
1 Open the front panel. See "7.4 To open the front panel" on page 16.

2 Open the panel locks located on the back side of the panel (1 on each side).



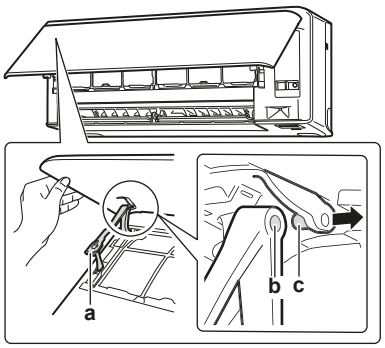
a Panel lock

3 Push the right arm lightly to the right to disconnect the shaft from the shaft slot on the right side.



a Arm
b Shaft
c Shaft slot

4 Disconnect the front panel shaft from the shaft slot on the left side.



a Arm
b Shaft slot
c Shaft

5 Remove the front panel.

6 To re-install the front panel perform the steps in the opposite order.

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

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

1 Press Mode and select operation.

2 Press and start operation.

3 After operation stops, turn the breaker off.

4 Clean the air filters and replace them in their original position.

5 Remove the batteries from the user interface.

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.).

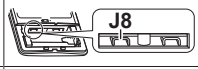
Leaving the unit running under such circumstances may cause breakage, electric shock or fire. Contact your dealer.

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 properly operate except for the above mentioned cases and none of the above mentioned malfunctions is evident, investigate the system according to the following procedures.

Malfunction	Measure
If the system does NOT operate at all.	▪ Check if there is no power failure. Wait until power is restored. If a power failure occurs during operation, the system automatically restarts immediately after power is restored. ▪ Check if the front panel is opened during operation. Stop operation and restart the indoor unit using the user interface. ▪ Check if no fuse has blown or breaker is activated. Change the fuse or reset the breaker if necessary. ▪ Check the batteries of the user interface. ▪ Check the timer setting.
The system suddenly stops operating.	▪ Check if the air inlet or outlet of the outdoor or indoor unit is NOT blocked by obstacles. Remove any obstacles and make sure the air can flow freely. ▪ The air conditioner may stop operating after sudden large voltage fluctuations to protect the system. It automatically resumes operation after about 3 minutes.

Malfunction	Measure
The fan will stop during airflow operation.	If the set temperature is reached, the airflow rate is reduced and operation stops. Operation will resume automatically when the indoor temperature rises or falls.
The flaps do NOT start to swing immediately.	The indoor unit is adjusting the position of the flaps. The flaps will start moving soon.
Operation does NOT start soon.	In case the ON/OFF button was pressed right after operation was stopped or if the mode was changed. Operation will start after 3 minutes to protect the system.
The system operates, but cooling or heating is insufficient.	▪ Check the airflow rate setting. Refer to "5.3.2 Airflow rate" on page 8. ▪ Check the temperature setting. Refer to "5.3.1 To start/stop operation and to set the temperature" on page 8. ▪ Check if the airflow direction setting is appropriate. Refer to "5.3.3 Airflow direction" on page 8. ▪ Check if the air inlet or outlet of the outdoor or indoor unit is NOT blocked by obstacles. Remove any obstacles and make sure the air can flow freely. ▪ Check if the air filters are clogged. Clean the air filters. See "7 Maintenance and service" on page 15. ▪ Check for open doors or windows. Close doors and windows to prevent wind from coming in. ▪ Check if the unit operates in Econo or Outdoor unit quiet operation. Refer to "5.3.6 Econo and Outdoor unit quiet operation" on page 10. ▪ Check if there is any furniture directly under or next to the indoor unit. Move the furniture.
The system operates, but heating is insufficient (air is NOT blown from the unit).	▪ The air conditioner may be warming up for heating operation. Wait for about 1 to 4 minutes. ▪ If a flowing sound is heard, the outdoor unit may be in defrost operation. Wait for about 4 to 12 minutes.
The front panel does NOT open.	Check for the obstacles and try to open the front panel using the user interface. Refer to "7.4 To open the front panel" on page 16.
The ON/OFF timer does NOT operate according to the settings.	▪ Check if the Weekly timer and ON/OFF timer are set to the same time. Change or deactivate the setting. Refer to "5.5 OFF/ON timer operation" on page 11 and "5.6 Weekly timer operation" on page 11. ▪ Check if the clock and the day of the week are set correctly. Refer to "4.4 Clock" on page 6.
Heating operation CANNOT be selected.	Check if the user interface's jumper J8 has NOT been cut. 
An abnormal function happens during operation.	The air conditioner may malfunction because of lightning or radio waves. Turn the breaker OFF and back ON.
The unit does NOT receive signals from the user interface.	▪ Check the batteries of the user interface. Refer to "4.3 To insert the batteries" on page 6. ▪ Make sure that the transmitter is NOT exposed to direct sunlight. ▪ Check if there are any electronic starter type fluorescent lamps in the room. Contact your dealer.
The user interface display is blank.	Replace the batteries of the user interface.
An error code is displayed on the user interface.	Consult your local dealer. Refer to "8.2 Solving problems based on error codes" on page 20 for a detailed list of error codes.
Other electric appliances start to operate.	If the user interface signals operate other electric appliances, move the other appliances away, and contact your dealer.

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, outdoor unit)

When the system is changed over to heating operation after defrost operation. Moisture generated by defrost becomes steam and is exhausted.

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

When a problem happens, an error code appears on the user interface. It is important to understand the problem and to take measures before resetting an error code. This should be done by a licensed installer or by your local dealer.

This chapter gives you an overview of all error codes and the content of the error code as it appears on the user interface.

For a more detailed troubleshooting guideline for each error, please see the service manual.

Fault diagnosis by user interface

The user interface can receive an error code from the indoor unit referring to the fault. 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.

To see the error code on the user interface:

1 Hold Cancel for about 5 seconds.

Result: 00 blinks in the temperature display section.

2 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 the Cancel cancel button 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)
UA	Indoor/outdoor unit combination fault

Indoor unit

Error code	Description
A1	Indoor unit PCB abnormality
A5	Freeze-up protection or high-pressure control
A6	Fan motor (DC motor) abnormality
AH	Streamer unit error
C4	Indoor heat exchanger thermistor abnormality
C7	Opening or closing front panel error
C9	Room temperature thermistor abnormality
CC	Humidity sensor error

Outdoor unit

Error code	Description
E8	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

8.3 Troubleshooting for wireless connection adapter

The following table provides a brief description of how to deal with some problems. If none of the following solutions fix the problem, go to http://www.onlinecontroller.daikineurope.com/ for more information and FAQ.

Problem	Measure
Connection to the WLAN adapter is not possible (none of the LEDs are blinking).	▪ Try operating the unit with the user interface. ▪ Check if the power is on. ▪ Turn the unit off and back on again.

Problem	Measure
The WLAN adapter is NOT visible on the unit overview screen (Home screen) after configuration of the WLAN adapter (WPS option).	▪ Make sure the wireless LAN adapter is close enough to the communication device. ▪ Check if communication is OK. See "To confirm the wireless adapter connection status" on page 13. ▪ Make sure that the smart device is connected to the same wireless network as the WLAN adapter. ▪ Try resetting to the factory default and repeat the setting. See "To reset the connection setting to the factory default" on page 14.
The WLAN adapter is NOT visible in the available Wi-Fi networks list on the smart device (Access point option).	▪ Try switching between access point and WPS setting to change the wireless channel. The wireless channel MUST be between 1~11. ▪ Check if communication is OK. See "To confirm the wireless adapter connection status" on page 13. ▪ Try to resetting to the factory default and repeat the setting. See "To reset the connection setting to the factory default" on page 14.

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.

10 Glossary

Dealer
Sales distributor for the product.

Authorized installer
Technical skilled person who is qualified to install the product.

User
Person who is owner of the product and/or operates the product.

Applicable legislation
All international, European, national and local directives, laws, regulations and/or codes that are relevant and applicable for a certain product or domain.

Service company
Qualified company which can perform or coordinate the required service to the product.

Installation manual
Instruction manual specified for a certain product or application, explaining how to install, configure and maintain it.

Operation manual
Instruction manual specified for a certain product or application, explaining how to operate it.

Accessories
Labels, manuals, information sheets and equipment that are delivered with the product and that need to be installed according to the instructions in the accompanying documentation.

Optional equipment
Equipment made or approved by Daikin that can be combined with the product according to the instructions in the accompanying documentation.

Field supply
Equipment NOT made by Daikin that can be combined with the product according to the instructions in the accompanying documentation.





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