Panasonic®

Operating Instructions

Air Conditioner

Model No.

Indoor Unit	**Outdoor Unit**
CS-RZ9RKR	**CU-RZ9RKR**
CS-RZ12RKR	**CU-RZ12RKR**

Operating Instructions
Air Conditioner

Thank you for purchasing Panasonic Air Conditioner.
Installation instructions attached.
Before operating the unit, read these operating instructions thoroughly and keep them for future reference.

English

F570019

Provide fast cooling, maximum comfort, clean air and optimise energy saving

i AUTO-X *Cooling when it counts, Comfort when it matters*

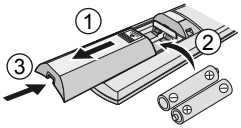
i AUTO-X with the new Panasonic Thermal Enhancement Technology (P-TECh) is a unique Panasonic compressor control technology which enable compressor to achieve maximum frequency in a short time.

i AUTO-X also comes with new AEROWINGS - twin flaps that works dynamically to adjust airflow directions. AEROWINGS gives you fast cooling at start up by directing airflow downwards*, and comfort of shower cooling by directing airflow upwards*.

So, you get to enjoy instant fast cooling satisfaction on a hot day and cooling comfort that goes on all day long.

*Applicable for horizontal flap AUTO setting.

Quick guide

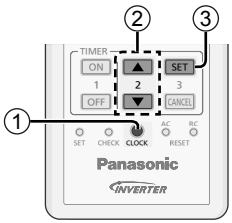


Inserting the batteries

① **Pull out the back cover of remote control**

② **Insert AAA or R03 batteries (can be used ~ 1 year)**

③ **Close the cover**

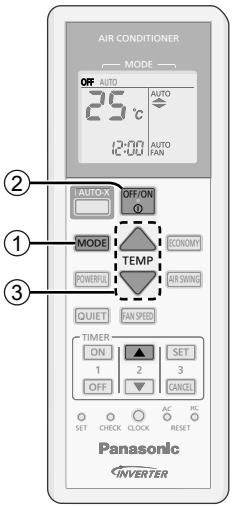


Clock setting

① **Press CLOCK**

② **Set the time**

③ **Confirm**

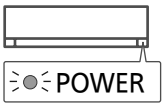


Basic operation

① **Select the desired mode**

AUTO → HEAT → COOL → DRY → FAN → i AUTO-X

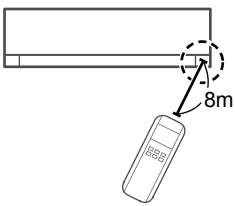
② **Start/stop the operation**



- Please note that the OFF indication **OFF** is on to start.

③ **Select the desired temperature**

- Selection range: 16 °C ~ 30 °C (Not applicable for FAN mode).
- Operating the unit within the recommended temperature may save energy.
  HEAT : 20 °C ~ 24 °C.
  COOL: 26 °C ~ 28 °C.
  DRY : 1 °C ~ 2 °C lower than room temperature.



- To dim or restore the unit's indicator brightness, press ▲ and hold for 5 seconds.
- Use remote control within 8 m from the remote control receiver of the indoor unit.

The illustrations in this manual are for explanation purposes only and may differ from the actual unit. They are subject to change without notice for future improvement.

Table of contents

Safety precautions.....**4-5**

How to use.....**6-7**

To learn more... .....**8**

Cleaning instructions **9**

Troubleshooting **10**

Information.....**11**

Accessories

- Remote control
- AAA or R03 batteries × 2
- Remote control holder
- Screws for remote control holder × 2

WARNING	This symbol shows that this equipment uses a flammable refrigerant. If the refrigerant is leaked, together with an external ignition source, there is a possibility of ignition.
CAUTION	This symbol shows type of flammable refrigerant contained in the system.
CAUTION	This symbol shows that the Operation Instructions should be read carefully.
CAUTION	This symbol shows that a service personnel should be handling this equipment with reference to the Installation Instructions.
CAUTION	This symbol shows that there is information included in the Operation Instructions and/ or Installation Instructions.

English

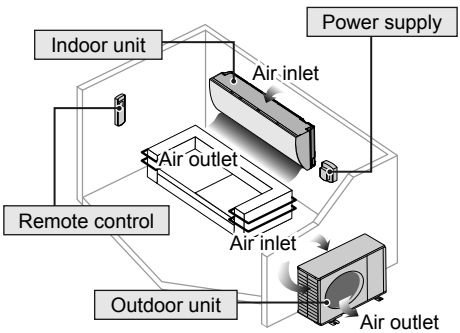
Safety precautions

To prevent personal injury, injury to others or property damage, please comply with the following: Incorrect operation due to failure to follow instructions below may cause harm or damage, the seriousness of which is classified as below:

	This appliance is filled with R32 (mild flammable refrigerant). If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire.
WARNING	This sign warns of death or serious injury.
CAUTION	This sign warns of injury or damage to property.

The instructions to be followed are classified by the following symbols:

	This symbol denotes an action that is PROHIBITED.
	These symbols denote actions COMPULSORY.



WARNING

Indoor unit and outdoor unit

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

The appliance shall be installed and operated in a room with floor area larger than 2.06m² and keep away from ignition sources (such as heat/sparks/ open-flame) or, hazardous areas (such as gas appliances, gas cooking, reticulated gas supply systems, or electric cooling appliance, etc.

Be aware that refrigerant may not contain an odour, highly recommended to ensure suitable flammable refrigerant gas detectors are present, operating and able to warn of a leak.

Please consult authorised dealer or specialist to clean the internal parts, repair, install, remove and reinstall the unit. Improper installation and handling will cause leakage, electric shock or fire.

Confirm with authorised dealer or specialist on usage of any specified refrigerant type.
Using refrigerant type other than the specified may cause product damage, burst and injury etc.

Do not use means to accelerate the defrosting process or to clean, other than those recommended by manufacturer. Any unfit method or using in-compatible material may cause product damage, burst and serious injury.

Do not pierce or burn as the appliance is pressurized. Do not expose the appliance to heat, flame, sparks, or other sources of ignition. Else it may explode and cause injury or death.

Do not install the unit in a potentially explosive or flammable atmosphere. Failure to do so could result in fire.

Do not insert your fingers or other objects into the air conditioner indoor or outdoor unit, rotating parts may cause injury.

Do not touch the outdoor unit during lightning, it may cause electric shock.

Do not expose yourself directly to cold air for a long period to avoid excess cooling.

Do not sit or step on the unit, you may fall down accidentally.

Remote control

Do not allow infants and small children to play with the remote control to prevent them from accidentally swallowing the batteries.

Power supply

Do not use a modified cord, joint cord, extension cord or unspecified cord to prevent overheating and fire.

To prevent overheating, fire or electric shock:
- Do not share the same power outlet with other equipment.
- Do not operate with wet hands.
- Do not over bend the power supply cord.
- Do not operate or stop the unit by inserting or pulling out the power plug.

If the supply cord is damaged, it must be replaced by the manufacturer, service agent or similarly qualified persons in order to avoid a hazard.

It is strongly recommended to be installed with Earth Leakage Circuit Breaker (ELCB) or Residual Current Device (RCD) to prevent electric shock or fire.

To prevent overheating, fire or electric shock:
- Insert the power plug properly.
- Dust on the power plug should be periodically wiped with a dry cloth.

Stop using the product if any abnormality/failure occurs and disconnect the power plug or turn off the power switch and breaker.
(Risk of smoke/fire/electric shock) Examples of abnormality/failure
- The ELCB trips frequently.
- Burning smell is observed.
- Abnormal noise or vibration of the unit is observed.
- Water leaks from the indoor unit.
- Power cord or plug becomes abnormally hot.
- Fan speed cannot be controlled.
- The unit stops running immediately even if it is switched on for operation.
- The fan does not stop even if the operation is stopped.

Contact your local dealer immediately for maintenance/repair.

This equipment must be earthed to prevent electrical shock or fire.

Prevent electric shock by switching off the power supply and unplug:
- Before cleaning or servicing,
- When extended non-use, or
- During abnormally strong lightning activity.

CAUTION

Indoor unit and outdoor unit

Do not wash the indoor unit with water, benzine, thinner or scouring powder to avoid damage or corrosion at the unit.

Do not use for preservation of precise equipment, food, animals, plants, artwork or other objects. This may cause quality deterioration, etc.

Do not use any combustible equipment in front of the airflow outlet to avoid fire propagation.

Do not expose plants or pet directly to airflow to avoid injury, etc.

Do not touch the sharp aluminium fin, sharp parts may cause injury.

Do not switch ON the indoor unit when waxing the floor. After waxing, aerate the room properly before operating the unit.

Do not install the unit in oily and smoky areas to prevent damage to the unit.

Do not dismantle the unit for cleaning purpose to avoid injury.

Do not step onto an unstable bench when cleaning the unit to avoid injury.

Do not place a vase or water container on the unit. Water may enter the unit and degrade the insulation. This may cause an electric shock.

Do not open window or door for long time during operation, it may lead to inefficient power usage and uncomfortable temperature changes.

Prevent water leakage by ensuring drainage pipe is:
- Connected properly,
- Kept clear of gutters and containers, or
- Not immersed in water

After a long period of use or use with any combustible equipment, aerate the room regularly.

After a long period of use, make sure the installation rack does not deteriorate to prevent the unit from falling down.

Remote control

Do not use rechargeable (Ni-Cd) batteries. It may damage the remote control.

To prevent malfunction or damage of the remote control:
- Remove the batteries if the unit is not going to be used for a long period of time.
- New batteries of the same type must be inserted following the polarity stated.

Power supply

Do not disconnect the plug by pulling the cord to prevent electric shock.

How to use

i AUTO-X To reach temperature quickly (Cooling only)

i AUTO-X

- The unit controls set temperature according to room temperature to accelerate room cooling.

- After max 4 hours, the set temperature follows the last set temperature setting.
- Fan speed is fixed at AUTO, fan speed selection is prohibited.
- During unit is off, press i AUTO-X will turn on the unit with i AUTO-X mode.
- i AUTO-X mode can be cancelled by pressing the respective button again.

MODE To select operation mode

AUTO - For your convenience
HEAT - To enjoy warm air
COOL - To enjoy cool air
DRY - To dehumidify the environment
FAN - To circulate air in the room
i AUTO-X - To reach temperature quickly (Cooling only)

POWERFUL To reach temperature quickly

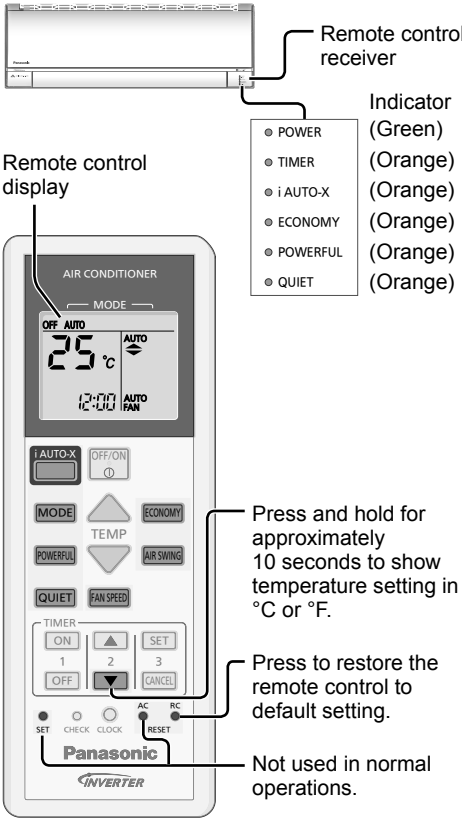
POWERFUL

- This operation stops automatically after 20 minutes.

QUIET To enjoy quiet operation

QUIET

- This operation reduces airflow noise.

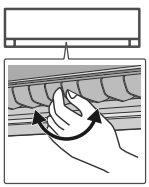


FAN SPEED To select fan speed

(Remote control display)

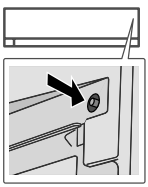
- For AUTO, the indoor fan speed is automatically adjusted according to the operation mode.
- If i AUTO-X mode is set, fan speed is fixed to AUTO. To adjust fan speed, cancel i AUTO-X mode.

To adjust horizontal airflow direction



- Manually adjustable.

Auto OFF/ON button



Use when remote control is misplaced or a malfunction occurs. Raise the front panel:

- To use in AUTO mode, press the button once.
- To use in COOL mode, press and hold the button until 1 beep is heard, then release.
- To use in HEAT mode, press and hold the button until 1 beep is heard, then release. And press again until 2 beeps are heard, then release.
- Press the button again to turn off.

ECONOMY To save electrical power consumption

ECONOMY

- Save power consumption at unoccupied room by adjust set temperature up to 3°C automatically.
- Brightness of all indicators will be dimmed.

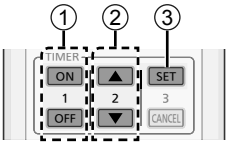
AIR SWING To adjust vertical airflow direction

(Remote control display)

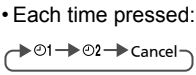
- Keeps the room ventilated.
- In COOL/DRY mode, if AUTO is set, the flap swings up/down automatically.
- In HEAT mode, if AUTO is set, the horizontal flap is fixed at the predetermined position.
- Do not adjust the flap by hand.

To set the timer

2 sets of ON and OFF timers are available to turn ON or OFF the unit at different preset times.



① **Select ON or OFF timer**
- Each time pressed:



Example:
OFF at 22:00

② **Set the time**

③ **Confirm**

- To cancel ON or OFF timer, press ON or OFF to select respective 1 or 2 then press CANCEL.
- If timer is cancelled manually or due to power failure, you can restore the timer again by pressing ON or OFF to select respective 1 or 2 then press SET.
- The nearest timer setting will be displayed and will activate in sequence.
- When ON Timer is set, the unit may start earlier (up to 35 minutes) before the actual set time in order to achieve the desired temperature on time.
- Timer operation is based on the clock set in the remote control and repeats daily once set. For clock setting, please refer to Quick guide.

Auto Restart Control

- If power is resumed after a power failure, the operation will restart automatically after a period of time with previous operation mode and airflow direction.
- This control is not applicable when TIMER is set.

Note

QUIET, POWERFUL, ECONOMY

- Can be activated in HEAT, COOL and DRY mode and can be cancelled by pressing the respective button again.

i AUTO-X, QUIET, POWERFUL, ECONOMY

- Cannot be selected at the same time.

To learn more...

Operation mode

AUTO : During operation mode selection the POWER indicator blinks.
• Unit selects operation mode every 10 minutes according to setting temperature and room temperature.

HEAT : Unit takes a while to warm up. The POWER indicator blinks during this operation.
COOL : Provides efficient comfort cooling to suit your needs.
DRY : Unit operates at low fan speed to give a gentle cooling operation.
FAN : To circulate air in the room.
i AUTO-X : The fast cooling is ideal when you come home on a hot day.

Operation conditions

Use this air conditioner under the following temperature range.

DBT : Dry bulb temperature
WBT : Wet bulb temperature

Temperature (°C)		Indoor		Outdoor	
		DBT	WBT	DBT	WBT
COOL	Max.	32	23	46	26
	Min.	16	11	5	-
HEAT	Max.	30	-	24	18
	Min.	16	-	-15	-

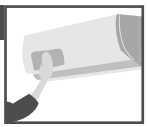
Cleaning instructions

To ensure optimal performance of the unit, cleaning has to be carried out at regular intervals. Dirty unit may cause malfunction and you may see error code "H99". Please consult authorised dealer.

- Switch off the power supply and unplug before cleaning.
- Do not touch the aluminium fin, sharp parts may cause injury.
- Do not use benzine, thinner or scouring powder.
- Use only soap (≃ pH 7) or neutral household detergent.
- Do not use water hotter than 40 °C.

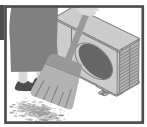
Indoor unit

Wipe the unit gently with a soft, dry cloth.



Outdoor unit

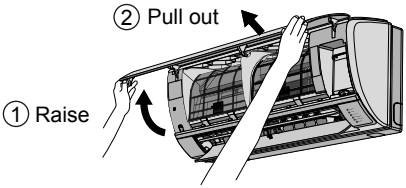
Clear debris that surround the unit. Clear any blockage from drain pipe.



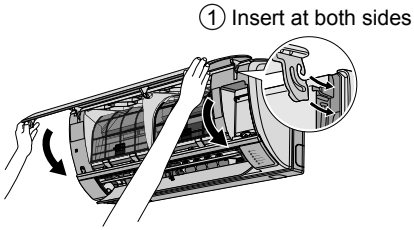
Front panel

Wash gently and dry.

Remove the front panel



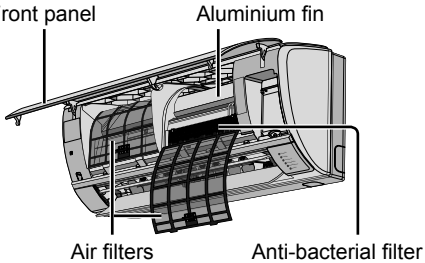
Close it securely



② Close down

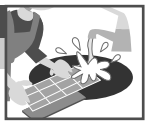
③ Press both ends of the front panel

Indoor unit



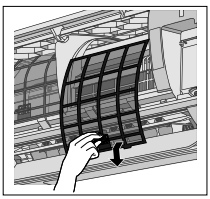
Air filters

Every 2 weeks

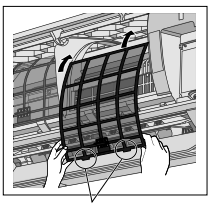


- Wash/rinse the filters gently with water to avoid damage to the filter surface.
- Dry the filters thoroughly under shade, away from fire or direct sunlight.
- Replace any damaged filters.

Remove air filter

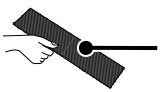


Attach air filter



Insert into the unit

Anti-bacterial filter



- Clean the filter whenever necessary.
- Wash/rinse the filter gently with water to avoid damage to the filter.
- Dry the filter thoroughly under the shade, away from fire or direct sunlight.
- Replace the filter every 10 years or replace any damaged filter. Part no.: CZ-SA22P

For seasonal inspection after extended non-use
- Checking of remote control batteries.
- No obstruction at air inlet and air outlet vents.
- Use Auto OFF/ON button to select COOL/ HEAT operation. After 15 minutes of operation, it is normal to have the following temperature difference between air inlet and air outlet vents:

COOL: ≥ 8 °C | HEAT: ≥ 14 °C

For extended non-use
- Activate HEAT mode for 2~3 hours to remove moisture left in the internal parts thoroughly to prevent mould growth.
- Turn off the power supply and unplug.
- Remove the remote control batteries.

Troubleshooting

The following symptoms do not indicate malfunction.

Symptom	Cause
Mist emerges from indoor unit.	• Condensation effect due to cooling process.
Water flowing sound during operation.	• Refrigerant flow inside the unit.
The room has a peculiar odour.	• This may be due to damp smell emitted by the wall, carpet, furniture or clothing.
Indoor fan stops occasionally during automatic fan speed setting.	• This helps to remove the surrounding odour.
Airflow continues even after operation has stopped.	• Extraction of remaining heat from the indoor unit (maximum 30 seconds).
Operation is delayed a few minutes after restarting.	• The delay is a protection to the unit's compressor.
Outdoor unit emits water/steam.	• Condensation or evaporation occurs on pipes.
TIMER indicator is always on.	• The timer setting repeats daily once set.
POWER indicator blinks during HEAT mode with no warm air supply (and flap is closed).	• The unit is in defrost mode (and AIR SWING is set to AUTO).
Indoor fan stops occasionally during heating operation.	• To avoid unintended cooling effect.
POWER indicator blinks before the unit is switched on.	• This is a preliminary step in preparation for the operation when the ON timer has been set.
Cracking sound during operation.	• Changes of temperature caused the expansion/contraction of the unit.
Discoloration of some plastic parts.	• Discoloration is subject to material types used in plastic parts, accelerated when exposed to heat, sun light, UV light, or environmental factor.
Louder noise at outdoor unit during early operation of i AUTO-X.	• The compressor and fan rotate at higher speed to boost cooling performance during initial operation.

Check the following before calling for servicing.

Symptom	Check
Operation in HEAT/COOL mode is not working efficiently.	• Set the temperature correctly. • Close all doors and windows. • Clean or replace the filters. • Clear any obstruction at the air inlet and air outlet vents.
Noisy during operation.	• Check if the unit has been installed at an incline. • Close the front panel properly.
Remote control does not work. (Display is dim or transmission signal is weak.)	• Insert the batteries correctly. • Replace weak batteries.
The unit does not work.	• Check if the circuit breaker is tripped. • Check if timers have been set.
The unit does not receive the signal from the remote control.	• Make sure the receiver is not obstructed. • Certain fluorescent lights may interfere with signal transmitter. Please consult authorised dealer.

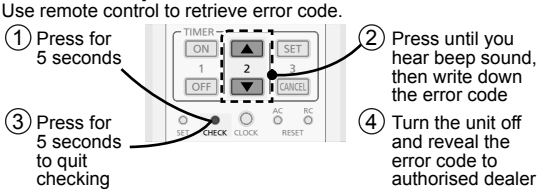
NON SERVICEABLE CRITERIAS

TURN OFF POWER SUPPLY AND UNPLUG then please consult authorised dealer under the following conditions:

- Abnormal noise during operation.
- Water/foreign particles have entered the remote control.
- Water leaks from Indoor unit.
- Circuit breaker switches off frequently.
- Power cord becomes unnaturally warm.
- Switches or buttons are not functioning properly.

The unit stops and the TIMER indicator blinks.

Use remote control to retrieve error code.

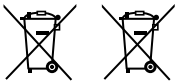


- For certain errors, you may restart the unit for limited operation with 4 beeps when operation starts.

Information

Information for Users on Collection and Disposal of Old Equipment and used Batteries

[Information on Disposal in other Countries outside the European Union]
These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.



Pb

Note for the battery symbol (bottom two symbol examples):
This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

Panasonic Corporation
Website: http://www.panasonic.com

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