

Panasonic®

Operating Instructions Air Conditioner



Model No.

Indoor Unit

CS-RE18PKR
CS-RE24PKR
CS-RE28PKR

Outdoor Unit

CU-RE18PKR
CU-RE24PKR
CU-RE28PKR



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

F569362

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




- 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.
- The set temperature selection range can be customized according to requirement. Please consult authorised dealer.

- 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.

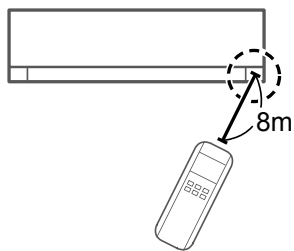
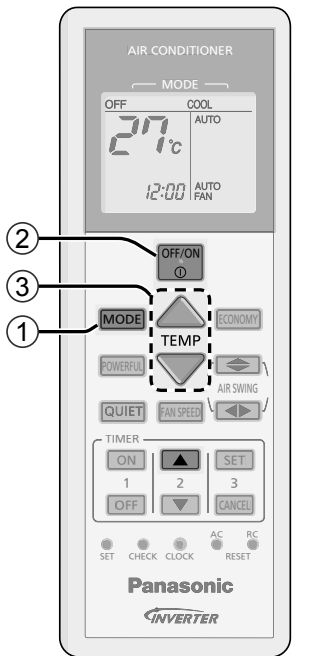
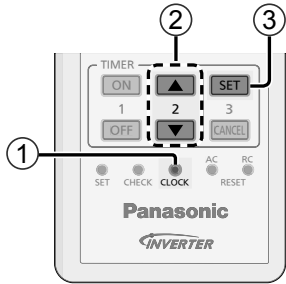
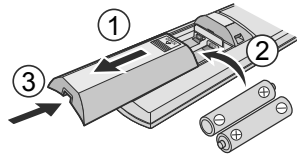


Table of contents

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

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:

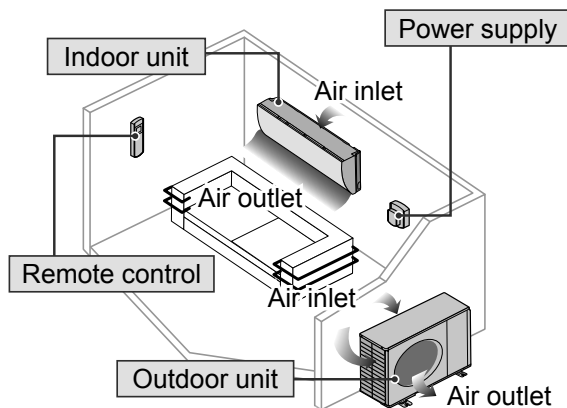
 WARNING	This sign warns of death or serious injury.
--	---

 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.

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 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, benzene, 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 COOL/DRY mode operation.



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

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

POWERFUL To reach temperature quickly

☺☺☺ POWERFUL

- This operation will stop automatically after 20 minutes.

QUIET To enjoy quiet operation

☺☺☺ QUIET/ECONOMY

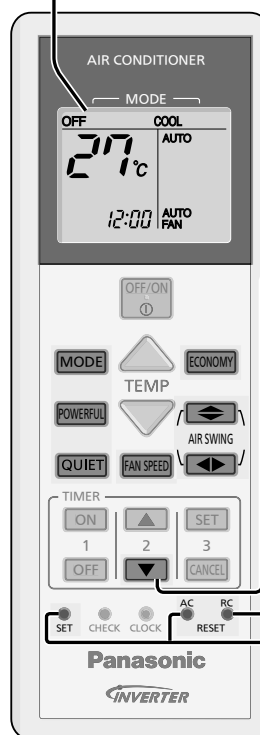
- This operation reduces airflow noises.



Remote control receiver and indicator

- POWER (Green)
- TIMER (Orange)
- QUIET/ECONOMY (Orange)
- POWERFUL (Orange)

Remote control display



Press and hold for approximately 10 seconds to show temperature setting in °C or °F.

Press to restore the remote control to default setting.

Not used in normal operations.

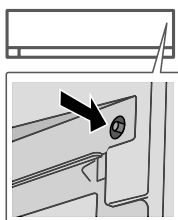
FAN SPEED To select fan speed

(Remote control display)



- For AUTO, the indoor fan speed is automatically adjusted according to the operation mode.

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, then release.
 - Press the button again to turn off.

ECONOMY

To save electrical power consumption

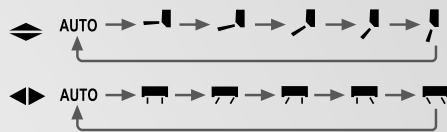
☉ QUIET/ECONOMY

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



To adjust airflow direction

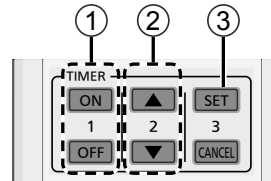
(Remote control display)



- Keeps the room ventilated.
- In COOL/DRY mode, if AUTO is set, the louver swings left/right and up/down automatically.
- In HEAT mode, if AUTO is set, the horizontal louver is fixed at the predetermined position. The vertical louver swings left/right after the temperature rises.
- Do not adjust the louver 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.

How to use
English

Notes



- Can be activated in all modes and can be cancelled by pressing the respective button again.
- 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 during startup according to setting temperature and room temperature.

HEAT : Unit takes a while to warm up. The POWER indicator blinks during this operation.

COOL : Use curtains to screen off sunlight and outdoor heat to reduce power consumption during COOL mode.

DRY : Unit operates at low fan speed to give a gentle cooling operation.

FAN : To circulate air in the room.

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	4
HEAT	Max.	30	-	24	18
	Min.	16	-	-15	-16

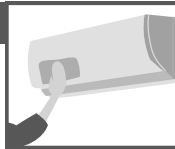
Cleaning instructions

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

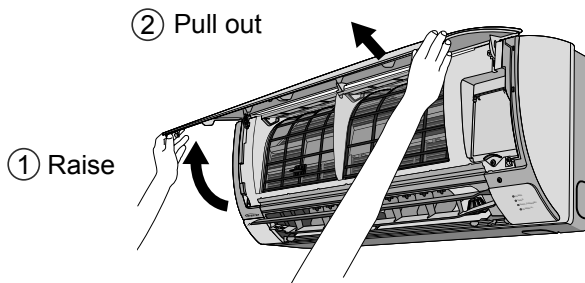
Wipe the unit gently with a soft, dry cloth.



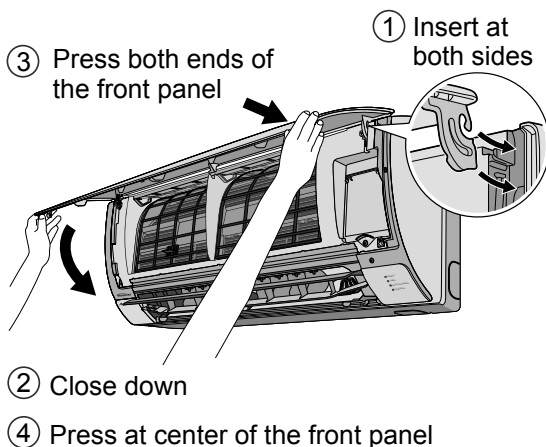
Front panel

Wash gently and dry.

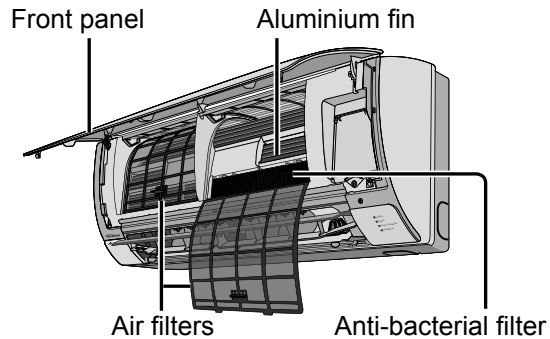
Remove the front panel



Close it securely



Indoor unit



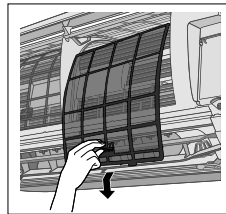
Air filters

Every 2 weeks

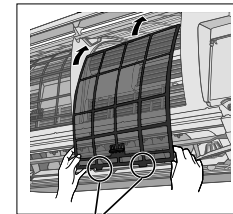
- Wash/rinse the filters gently with water to avoid damage to the filter surface.
- Dry the filters thoroughly under shade, away from fire or direct sunlight.
- Replace any damaged filters.



Remove air filter

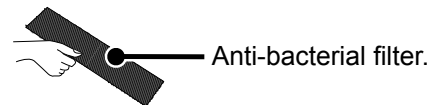


Attach air filter



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.

To learn more... / Cleaning instructions

English

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 louver 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.
POWER indicator blinks 3 seconds ON and 0.5 seconds OFF during operation.	• The unit is in Demand Response Mode.

Check the following before calling for servicing.

Symptom	Check
Operation in HEAT/COOL mode is not working efficiently.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • 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.)	<ul style="list-style-type: none"> • Insert the batteries correctly. • Replace weak batteries.
The unit does not work.	<ul style="list-style-type: none"> • Check if the circuit breaker is tripped. • Check if timers have been set.
The unit does not receive the signal from the remote control.	<ul style="list-style-type: none"> • Make sure the receiver is not obstructed. • Certain fluorescent lights may interfere with signal transmitter. Please consult authorised dealer.

NON SERVICEABLE CRITERIAS

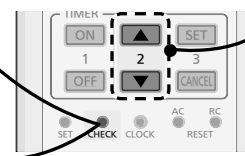
TURN OFF POWER SUPPLY AND UNPLUG then please consult authorised dealer under the following conditions:

- 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.

- Press for 5 seconds
- Press until you hear beep sound, then write down the error code
- Press for 5 seconds to quit checking
- Turn the unit off and reveal the error code to authorised dealer



- 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.



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.

Pb

Panasonic Corporation

Website: <http://panasonic.net/>

© Panasonic Corporation 2013

Printed in Malaysia

F569362
YA0413-0