



Panasonic

Operating Instructions

Air Conditioner



Model No.

Indoor Unit Outdoor Unit
CS-RE9PKE-3 CU-RE9PKE-3 CS-
RE12PKE-3 CU-RE12PKE-3 CS-
RE15PKE-3 CU-RE15PKE-3

Operating Instructions

2-9

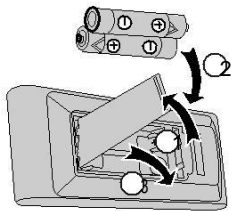
Thank you for purchasing Panasonic Air Conditioner.
Before operating the unit, read these operating instructions thoroughly and keep them for future reference.
Installation Instructions attached for authorized dealer or specialist.



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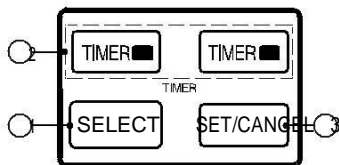


Quick guide



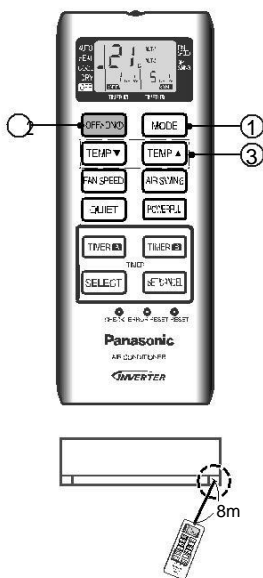
Inserting the batteries

- 1 Remove the battery cover
- 2 Insert AAA or R03 batteries
(can be used ~ 1 year)
- 3 Close the cover



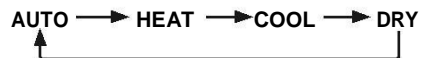
TIMER setting

- 1 Press SELECT
- 2 Set the time
- 3 Confirm



Basic operation

- 1 Select the desired mode



- 2 Start/stop the operation



• Please note that the OFF indication is as follows:

To start: OFF

To stop: OFF

- 3 Select the desired temperature

- Selection range : 16°C ~ 30°C.
- 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.

- Use remote control within 8m 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.

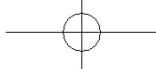
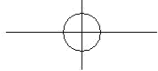


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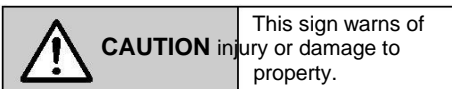
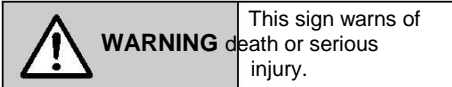
Accessories

- Remote Control
- AAA or R03 batteries × 2

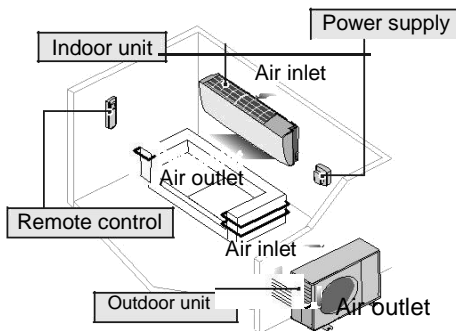
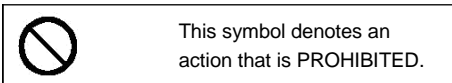


Safety precautions

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:



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



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.



WARNING

Power supply



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.

Replacement or installation of power plugs shall be performed by authorized/qualified personnel only. The wires in this mains lead are coloured in accordance with the following code:

Terminals	wires	colours (IEC Standard)
L 	live	brown
N 	neutral	blue
E 	earth	green-yellow

Wiring colour may vary depending on a country wiring code's standard.



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



Prevent electric shock by switching off the power supply and unplugging:



- 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

OFF/ON To turn on or off the unit

TEMP **TEMP** To set temperature

FAN SPEED To select fan speed (5 options)

(Remote control display)



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

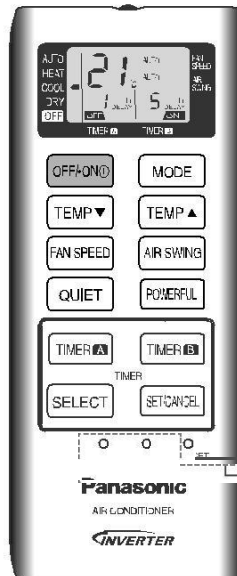
QUIET To enjoy quiet environment

- This setting provides a quiet environment by reducing the airflow noise.



Remote control receiver and indicator

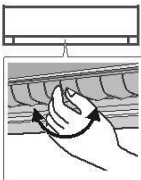
POWER	(GREEN)
TIMER	(ORANGE)
QUIET	(GREEN)
POWERFUL	(RED)



Press to restore the remote control

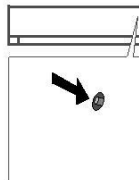
to default setting.
Not used in normal operations.

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



MODE

To select operation mode

AUTO mode - For your convenience

- During operation mode selection the power indicator blinks.
- Unit selects the operation mode according to the indoor intake temperature and remote control temperature.

HEAT mode - To enjoy warm air

- In heat mode, it may take a while for the unit to warm up.

COOL mode - To enjoy cool air

- To reduce power consumption during COOL mode, use curtains to screen off sunlight and outdoor heat.

DRY mode - To dehumidify the environment

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

AR SWNG

To adjust vertical airflow direction (5 options)



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

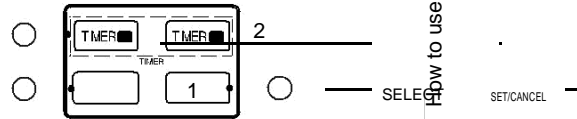
POWERFUL

To achieve temperature quickly

- This setting enables the desired set temperature to be reached quickly.

NOTE: POWERFUL and QUIET operations can not be activated at the same time.

To set the timer



- To turn ON the unit at a preset time. Set the timer while the unit is OFF.
- To turn OFF the unit at a preset time. Set the timer while the unit is ON.

1 Press once to select timer.

2 Press

repeatedly to set time.

3 Press once to confirm.

- To turn ON and then preset time. Set the timer while the unit is ON.
- To turn OFF and then preset time. Set the timer while the unit is ON.

1 Press twice to select timer.

repeatedly to set time.

3 Press once to confirm.

- Press the button again to cancel timer operation.

- The timer will also be cancelled when you press the button.

- The timer indicator of indoor unit will light up during timer operation.

- When ON Timer is set, the unit may start earlier before the actual set time in order to achieve the desired temperature on time.

- If timer is cancelled manually or due to power failure, you can restore the timer again by repeating steps above (once power is resumed).

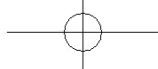
Operation conditions

Use this air conditioner under the following temperature range.

Temperature(°C)		Indoor		Outdoor	
		*DBT	*WBT	*DBT	*WBT
COOLING	Maximum	32	23	43	26
	Minimum	16	11	-10	11
HEATING	Maximum	30	-	24	18
	Minimum	16	-	-15	-6

DBT: Dry bulb temperature
WBT: Wet bulb temperature

NOTICE: • This model is not suitable for 24 hours non-stopping operation in heating mode below -15°C. When the outdoor temperature is below -15°C and you use this model out of above conditions, the outdoor unit might be frozen up and stop operation for protection control.

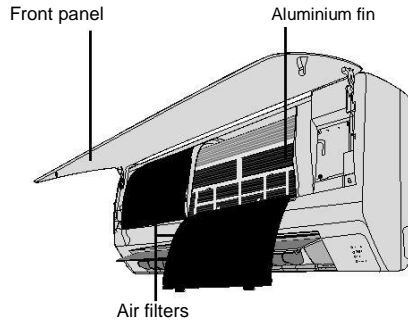


Cleaning instructions

To ensure optimal performance of the unit, cleaning has to be carried out at regular intervals.

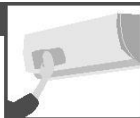
- Switch off the power supply and unplug before cleaning.
- Do not touch the aluminium fin, sharp parts may cause injury.
- Do not use benzene, thinner or scouring powder.
- Use only soap (\approx pH 7) or neutral household detergent.
- Do not use water hotter than 40°C.

Indoor unit



Indoor unit

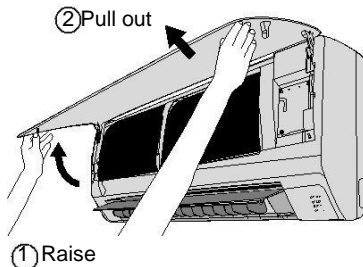
Wipe the unit gently with a soft, dry cloth.



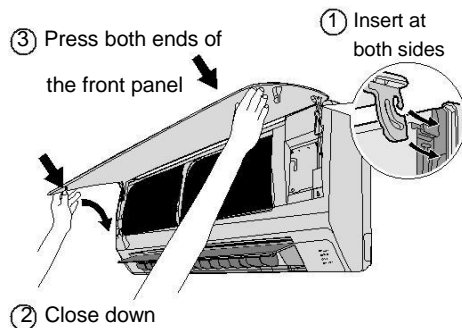
Front panel

Wash gently and dry.

Remove the front panel



Close it securely



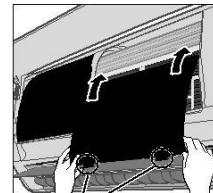
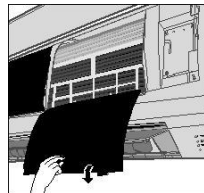
Air filters

Clean the filter regularly

- 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



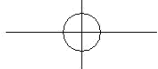
Insert into the unit

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 Cooling/ Heating operation. After 15 minutes of operation, it is normal to have the following temperature difference between air inlet and air outlet vents:
Cooling: $\geq 8^{\circ}\text{C}$ Heating: $\geq 14^{\circ}\text{C}$

For extended non-use

- 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 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 odours.
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.
The unit operates automatically when power is resumed after a power failure.	• It is the Auto Restart function of the unit. Operation will be restarted automatically under the previous operation mode and air flow direction when power is resumed as the operation is not stopped by remote control.
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 cause the expansion/contraction of the unit.

Cleaning instructions /

Check the following before calling for servicing.

Symptom	Check
Operation in COOL/HEAT 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 timer indicator blinks and the unit can not be operated

The unit stops and the **TIMER** indicator blinks.

Use remote control to retrieve error code.

1 Press for 5 seconds.

3 Press for 5 seconds to quit checking.

2 Press until you hear beep sound, then jot down the error code.

4 Turn the unit off and reveal the error code to authorized dealer.



























Product Specification

INDOOR UNIT
OUTDOOR UNIT

Model				CS-RE9PKE-3		CS-RE12PKE-3		CS-RE15PKE-3	
				CU-RE9PKE-3		CU-RE12PKE-3		CU-RE15PKE-3	
				COOL	HEAT	COOL	HEAT	COOL	HEAT
				Single, 230V,50Hz		Single, 230V,50Hz		Single, 230V,50Hz	
Power/Current		[kW]		0.700	0.820	1.010	1.120	1.260	1.385
		[A]		3.30	3.80	4.70	5.20	6.00	6.30
Refrigerant		[kg]		0.770		0.860		0.920	
Cooling Capacity		[kW]		2.50		3.50		4.20	
Heating Capacity		[kW]		3.30		4.25		5.00	
Noise Level	JIS C 9612 [<70 dB(A)]			42	42	42	42	44	46
	Conditions 1m Distance Max. cooling/ heating operation	[dB(A)]		47	48	48	50	49	51
	Sound power level	[dB(A)]		58	58	58	58	60	62
Air Circulation		[m ³ /min.]		12.5	11.1	12.5	12.5	13.7	14.5
kg Product Weight		[kg]		8.0		8.0		8.0	
				23		26		27	
Dimensions (H x W x D)		[mm]		290×848×213		290×848×213		290×848×213	
				540×780×289		540×780×289		540×780×289	

- Standby power consumption ≤ 7.5W (when switched OFF by remote control, except under self-protection control).
- Standard piping length: 5m.
- Air filters are attached.

					Português	Español	Български
Product Specification	Produktbeschreibung	Descripción de prod.	proizložna celopislo	produkt-merken	Especificações técnicas	Especificaciones técnicas	Технически характеристики
 Mode  Indoor Unit  Outdoor Unit	Mode  Innege- räumgerät  Außengerät	Mode  Unité interne Unité externe	Mode  Inmundo interno  Inmundo externo	Mode  Binneneinheit  Außeneinheit	Mode  Elemento interior  Elemento exterior	Mode  Equipo interior  Equipo exterior	Модел  Внутренний блок  Внешний блок
 Power / Current	Stromversorgung	Alimentation	Corrente	Stroom	Potência	Corriente	Електрическо захранване
 Refrigerant	Kühlmittel	Refrigerant	Refrigerante	Koelmiddel	Refrigerante	Refrigerante	Охлаждача
 Cooling Capacity	Kühlleistung	Capacité réfrigérante	Refrigerazione	Cooling Capacity	Capacidade de resfriamento	Potencia frigorífica	Охлаждащ капацитет
 Heating Capacity	Heizleistung	Capacité chauffante	Riscaldamento	Verwarming Capacity	Capacidade de aquecimento	Potencia calefacción	Загряващ капацитет
 Noise Level Conditions: 1m Distance Max. cooling Sound power level	Lärmpegel Beding- ungs- 1 m Abstand Max. Kühlung Schallleistungspegel	Niveau de bruit Condition: Distance 1 m Refroidissement max. Niveau sonore: sonde	Livello di rumore Condizioni: Distanza di 1 m Raffreddamento max. Livello rumore	Lawaaipeil bij Voorwaarden: 1 m afstand Max. Koeling Geluidniveau	Nível do barulho Condições: Distância de 1m Arrefecimento máx. Nível de potência sonora	Nivel sonoro Condiciones: 1 m de distancia Refrigeración máx. Nivel de potencia de sonido	Ниво на шума Условия: 1 m разстояние Максимален изходен Ниво на звука
 Air Circulation	Luftzirkulation	Ventilation	Circolazione aria	Luchtcirculatie	Circulação do ar	Circulación de aire	Въздушна циркулация
 Product Weight	Produktgewicht	Poids du produit	Peso prodotto	Produktgewicht	Peso do produto	Peso de producto	Тегло на продукт
 Dimensions	Abmessungen	Dimensions	Misure	Afmetingen	Dimensões	Medidas	Размери

English	Standby power consumption $\leq 7.5W$ (when switched OFF by remote control, except under self-protection control).
Deutsch	Stromverbrauch im Standby Modus $\leq 7.5 W$ (wenn durch die Fernbedienung ausgeschaltet, außer bei Selbstschutz-Kontrolle).
Français	Consommation en mode veille $\leq 7.5 W$ (quand mis en veille par télécommande, sauf sous contrôle d'autoprotection).
Italiano	Consumo di energia in modalità standby $\leq 7.5 W$ (quando spento dal telecomando, tranne con controllo di autoprotezione).
Nederlands	Stand-by stroomverbruik $\leq 7,5W$ (indien op OFF geschakeld met afstandsbediening, behalve in de modus zelfbescherming).
Português	Consumo energético em Standby (modo inactivo) $\leq 7.5W$ (quando colocado em OFF (desligado) com o controlo remoto, excepto em controlo de auto-protecção).
Español	Consumo de energía en modo de espera $\leq 7.5W$ (cuando se apaga con el mando a distancia, excepto en modo de control de protección automática).
Български	Консумация на енергия в режим на готовност $\leq 7,5 W$ (когато е в режим OFF (ИЗКЛЮЧЕН) от дистанционното управление, с изключение на случаите, когато се управ- самостоятелна система за защита)
Hrvatski	Potrošnja energije u mirovanju $\leq 7,5 W$ (nakon isključivanja daljinskim upravljačem, osim za upravljanjem sa samozaštitom).



Information

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



These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.

For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC. By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.

For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.



For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

[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.

