

Panasonic

Operating Instructions Air Conditioner

Indoor Unit	Outdoor Unit
CS-RE9NKR	CU-RE9NKR
CS-RE12NKR	CU-RE12NKR



ENGLISH

Before operating the unit, read these operating instructions thoroughly and keep them for future reference.

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QUICK GUIDE

ENGLISH

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

OPERATION CONDITION

Use this air conditioner under the following temperature range

Temperature (°C)		Ind	oor	Outdoor		
		*DBT	*WBT	*DBT	*WBT	
COOLING	Max.	32	23	46	26	
COOLING	Min.	16	11	16	11	
HEATING	Max.	30	-	24	18	
	Min.	16	-	-5	-6	

* DBT: Dry bulb temperature

* WBT: Wet bulb temperature

SAFETY PRECAUTIONS

To prevent personal injury, injury to others, or property damage, please comply 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 sign warns of death or serious injury.



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









INDOOR UNIT AND OUTDOOR UNIT





POWER SUPPLY

If the supply cord is damage, it must replaced by the manufacturer, its serv or similarly qualified persons in order a hazard. It is strongly recommended to be inst with Earth Leakage Circuit Breaker (E or Residual Current Device (RCD) to	vice agent to avoid
with Earth Leakage Circuit Breaker (E	
electric shock or fire.	ELCB)
To prevent overheating, fire or electric • Insert the power plug properly. • Dust on the power plug should be p wiped with a dry cloth.	
 Stop using the product if any abnorm occurs and disconnect the power plug 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 u observed. Water leaks from the indoor unit. Power cord or plug becomes abnorn Fan speed cannot be controlled. The unit stops running immediately switched on for operation. The fan does not stop even if the op stopped. Contact your local dealer immediately maintenance/repair. 	g or turn off nit is mally hot. even if it is peration is
Replacement or installation of power be performed by authorized/qualified only. The wires in this mains lead are in accordance with the following code Terminals Wires colours (Red live Black neutral blue Green/Yellow earth green-ye	ecloured EC Standard)
Wiring colour may vary depending on wiring code's standard.	a country
This equipment must be earthed to predectric shock or fire.	revent
Prevent electric shock by switching o power supply and unplug when: - Before cleaning or servicing. - Extended non-use. - Abnormally strong lightning activity.	ff the



REMOTE CONTROL



	 TIMER 	(ORANGE)		
INDICATOR	o quiet	(GREEN)		
	• POWERFUL	(RED)		

Press the remote control's button

TO TURN ON OR OFF THE UNIT



 Please be aware of the OFF indication on the remote control display to prevent the unit from starting/stopping improperly.

2 TO SET TEMPERATURE

• Selection range: 16°C ~ 30°C.

1

- Operating the unit within the recommended temperature could induce energy saving.
 HEAT mode : 20°C ~ 24°C.
 COOL mode : 26°C ~ 28°C.
 DRY mode : 1°C ~ 2°C lower than room temperature.
 - 3 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. The POWER indicator blinks during preheating.

COOL mode - To enjoy cool air

• Use curtains to screen off sunlight and outdoor heat to reduce power consumption during cool mode.

DRY mode - To dehumidify the environment

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

TO SELECT FAN SPEED (5 OPTIONS)

FAN SPEED

4

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

5 TO ADJUST AIRFLOW DIRECTION (5 OPTIONS)

- · Keeps the room ventilated.
- In COOL mode, if AUTO is set, the louver swing up/down automatically.
- In HEAT mode, if AUTO is set, the horizontal louver fix at predetermined position.

6 TO ACHIEVE TEMPERATURE QUICKLY

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

7 TO ENJOY QUIET ENVIRONMENT

- This setting provides a quiet environment by reducing the airflow noise.
- POWERFUL and QUIET operations can not be activated at the same time.
- 8 PRESS TO RESTORE THE REMOTE CONTROL'S DEFAULT SETTING

9 10 NOT USED IN NORMAL OPERATIONS



TO SET THE TIMER (12-HOUR TIMER SETTING)

• When you want the air conditioner to turn ON or OFF automatically.



DELAY OFF-TIMER

For example, to stop the air conditioner 5 hours later.

- 1 To select the Delay OFF-TIMER, press the SELECT button once.
- 2 Press the tween button to select the delay hour.
- The OFF-TIMER can only be set while the airconditioner is in operation.

DELAY ON-TIMER

For example, to start the air conditioner 2 hours later.

- 1 To select the Delay ON-TIMER, press the SELECT button once.
- 2 Press the button to select the delay hour.
- The ON-TIMER can only be set while the airconditioner is not in operation.

DELAY OFF AND ON TIMER

For example, to stop the air conditioner 3 hours later and start 4 hours later.

- 1 To select the Delay OFF and ON Timer, press the SELECT button twice repeatedly.
- 2 Press the were button to select the delay hour for OFF Timer.
- 3 Press the THERE button to select the delay hour for ON Timer.
- This mode of timer can only be set while the airconditioner is in operation.

DELAY ON AND OFF TIMER

For example, to start the air conditioner 7 hours later and stop 10 hours later.

- 1 To select the Delay ON and OFF Timer, press the SELECT button twice repeatedly.
- 2 Press the THERE button to select the delay hour for ON Timer.
- 3 Press the THERE button to select the delay hour for OFF Timer.
- This mode of timer can only be set while the airconditioner is not in operation.

TO CONFIRM THE TIMER SETTING

Press the strewer button once to activate the timer operation which will start when the set time is reached.

TO CANCEL THE TIMER SETTING

Press the stream button again to cancel the timer operation.

- The timer indicator of the indoor unit will light up during the 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 you press operation of button during the timer setting operation, timer setting will be cancelled.
- If timer is cancelled manually or due to power failure, you can restore the timer again by repeating steps above (once power is resumed).

INDOOR UNIT



Switch off the power supply and unplug before cleaning.
Do not touch the aluminium fin, sharp parts may cause injury.

CLEANING INSTRUCTIONS

- Do not use benzene, thinner or scouring powder.
- Do not use water hotter than 40°C.

HINT

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

NOTE

 If chemical cloth is used to wipe the unit, instruction for the cloth should be followed.



1 INDOOR UNIT

· Wipe the unit gently with a soft, dry cloth.

2 FRONT PANEL

Remove Front Panel

- · Raise and pull to remove the front panel.
- · Wash gently and dry.

Close Front Panel



- · Press down both ends of the front panel to close it securely.
- 3 RECEIVER
- 4 ALUMINIUM FIN
- 5 HORIZONTAL AIRFLOW DIRECTION LOUVER
- · Manually adjustable.

WARNING



Be careful not to insert your fingers into the unit to avoid injuring by cross-flow fan.

6 VERTICAL AIRFLOW DIRECTION LOUVER

· Do not adjust by hand.

7 AUTO OFF/ON BUTTON

· Use when remote control is misplaced or malfunction.

Action	Mode
Press once.	Auto
Press and hold until 1 beep is heard, then release.	Cooling
Press and hold until 1 beep is heard, then release. Press again until 2 beeps, then release.	Heating
Press the button to turn off.	

8 AIR FILTERS

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

9 ANTI-BACTERIAL FILTER

- It is recommended to clean this filter every 6 months.(Vacuum)
- Replace the filter every 10 years or replace any damaged filter.

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 restart.	 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 during HEAT mode.	 The unit is in defrost mode.
POWER indicator blinks 3 seconds ON and 0.5 seconds OFF during operation.	 The unit is in Demand Response Mode.
Cracking sound during operation.	 Changes of temperature cause the expansion/ contraction of the unit.

Check the following before calling for servicing.

SYMPTOM	CHECK
Heating/Cooling operation 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 not obstructed. Certain fluorescent lights may interfere with signal transmitter. Please consult authorized dealer.

The unit stops and the timer indicator blinks.



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

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

I hese 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.

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: ≥ 8°C Heating: ≥ 14°C

FOR EXTENDED NON-USE

- Activate Heat mode for 2~3 hours as an alternative to remove moisture left in the internal parts thoroughly to prevent mould growth.
- · Turn off the power supply.
- · Remove the remote control batteries.

NON SERVICEABLE CRITERIAS

TURN OFF POWER SUPPLY then please consult authorized 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.

PRODUCT SPECIFICATION

Indoor Unit

Outdoor Unit

Model				CS-RE9NKR		CS-RE12NKR	
		COOL	HEAT	COOL	HEAT		
	Single, 230V-240V, 50Hz		Single, 230V-240V, 50Hz				
		[kW]		0.650-0.650	0.810-0.810	0.940-0.940	1.100-1.100
V		[A]		3.10-3.05	3.80-3.75	4.20-4.10	5.00-4.90
Refrigerant		[kg]		R410A 0.740		R410A 0.970	
Cooling Capacity		[kW]		2.50-2.50		3.50-3.50	
Heating Capacity		[kW]		3.30-3.30		4.25-4.25	
	JIS C 9612 [<70 dB(A)]	-[dB(A)]		42	42	42	42
	Conditions 1m Distance Max. cooling		•□	47	48	48	50
))) Noise Level	Sound power level			58	58	58	58
		[dB(A)]	•□	63	64	64	66
Air Circulation		[m³/min.]		12.4	12.1	12.7	12.4
Product Weight				8.0		8.0	
		[kg]	•□	25		27	
Dimensions (H × W × D)				290 × 848 × 213		290 × 848 × 213	
		[mm]	•□	540 × 780 × 289		540 × 780 × 289	

Standard piping length: 5m(Indoor Unit piping length is not included).
 Air filters are attached.

	3						-3			
Persian	مشخصلتفنهحصول	مدل واحد داخلی واحد خارجی	توان/جريان	سرد کننده	ظرفيت سرمايش	ظرفيت گرمايش	ميزان نويز شرايط: ١ متر فاصله حداكثر سرمايش ميزان نويز	گردش هوا	وزن محصول	أبعاد
Norwegian	Produktets spesifikasjoner	Modell Innendørsenhet Utendørsenhet	Effekt/strøm	Kjølemiddel	Kjølekapasitet	Varmekapasitet	Støynivå Vilkår 1 m øvstand Maks. kjøling Lydeffektnivå	Luftstrømning	Produktets vekt	Mâl
Swedish	Produktens specifikationer	Modell Inomhusenhet Utomhusenhet	Effekt/ström	Köldmedium	Kylkapacitet	Uppvärmningskapacitet	Bullernivå Villkor 1 m avstånd Max, kylning Ljudeffektnivå	Luftflöde	Produktens vikt	Mátt
Arabic	مواصفات التتج	طراز الوحدة الثانينية الوحدة الثاريمة	الضدرة/ التيار الكهريائي	المادة البردة	سعة التبريد	سعة التدفئة	مستو الضوضاء الظروف السافة ام اعد الأمص للتبريد مسترى قدرة الصوت	دوران ال هو اء	وزن المنتج	الأبعاد
Turkish	Ürün Özellikleri	Modeli iç Ünite Dış Ünite	Gũç / Akim	Sogutucu	Sogutma Kapasitesi	Isitma Kapasitesi	Ses seviyesi Kogullar 1m Uzaklık Maks. soğutma Ses seviyesi	Hava Devri	Ūrūn agirligi	Ebatlar
Bulgarian	Спецификация на продукта	Модел Вътрешно устройство Външно устройство	Електрическо захранване	Охлаждане	Охлаждащ капацитет	Загряващ капацитет	Ниво на шума Условия 1 м разстоние Махимално олгаждае Ниво на звука	Въздушна циркулация	Тегло на продукта	Размери
Spanish	Especificación de productos	Modelo Equipo interior Equipo exterior	Corriente	Refrigerante	Potencia frigorífica	Potencia calefacción	Nivel sonoro Condiciones 1 m de distancia Refrigeración máx. Nivel de potencia de sonido	Circulacion de aire	Peso del producto	Medidas
Portuguese	Especificações do produto	Modelo Elemento interior Elemento exterior	Potência	Refrigerante	Capacidade do refrescamento	Capacidade do aquecimento	Nível do barulho Condições Distância de 1m Arrefecimento máx. Nivel de alimentação sonora	Circulação do ar	Peso do producto	Dimensões
Nederland	productkenmerken	Model Binneninrichting Buiteninrichting	Stroom	Koelmiddel	Cooling Capacity	Verwarming Capacity	Lawaaipeiler Voorwaarden 1m afstand Max. Koeling Geluidsniveau	Luchtcirculatie	Produktgewicht	Afmetingen
Italian	prescrizione del prodotto	Modello Implanto interno Impianto esterno	Corrente	Refrigerante	Refrigerazione	Riscaldamento	Livello di rumore Condizioni Distanza di 1 m Raffreddamento max, Livello rumore	Circolazione aria	Peso prodotto	Misure
Greek	Προδιαγραφές προϊόντος	Μοντέλο Εσωτερικη συσκευή Εξωτερικη συσκευή	Παροχή ρεύματος	ψυκτικό μέσο	Ικανότητα ψύξης	Ικανότητα Θέρμανοης	Επίπεδο θορυβου Συνθήκες Απόσταση 1 μέτρου Μέγ, Ψύξη Στάθμη ιοχύος Θορύβου	Κυκλοφορία αέρα	Βάρος του προϊοώτος	Διάσταση
Français	Carachinistiques du produit	Moděle Unité intérieure Unité extérieure	Alimentation	Réfrigérant	Capacité réfrigérante	Capacité chauffage	Niveau de bruit Conditions Distance 1 m Refroidissement max. Meau de putsanos socre	Ventilation	Poids du produit	Dimensions
Deutsch	Produktspezifikation	Modell Innengerät Aussengerät	Stromversorgung	Kühlmittel	Kühlleistung	Heizleistung	Lärmpegel Bedrogungen 1m Abstand Max Kühlung Schallleistungspegel	Luftzirkulation	Produktgewicht	Abmessungen
Translations	Product Specification	Model Indoor Unit		Refrigerant	Cooling Capacity	Heating Capacity	Noise Level Conditions In Distance Max. cooling Sound power level	Air Circulation	Product weight	Dimensions

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