

Panasonic®

Operating Instructions Air Conditioner

Indoor Unit Outdoor Unit
**CS-RE9NKE CU-RE9NKE CS-
RE12NKE CU-RE12NKE CS-
RE15NKE CU-RE15NKE**



ENGLISH

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

QUICK GUIDE



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F568363



ENGLISH

Thank you for purchasing Panasonic Air Conditioner

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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)		Indoor		Outdoor	
		*DBT	*WBT	*DBT	*WBT
COOLING	Maximum	32	23	43	26
	Minimum	16	11	16	11
HEATING	Maximum	30	-	24	18
	Minimum	16	-	-5	-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 -5°C. When the outdoor temperature is below -5°C and you use this model out of above conditions, the outdoor unit might be frozen up and stop operation for protection control.

SAFETY PRECAUTIONS

To prevent personal injury, injury to others, or property damage, please comply the following. Incorrect operation due to failure to follow instructions 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.

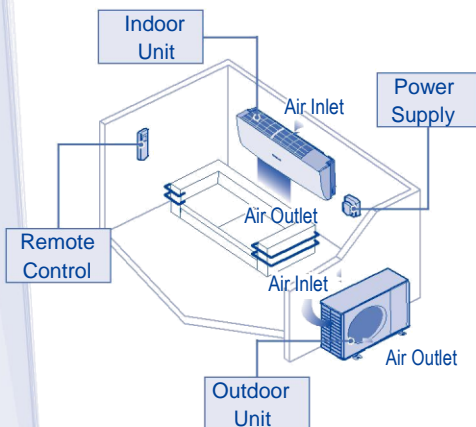
The instructions to be followed are classified by the following symbols:



This symbol denotes an action that is **PROHIBITED**.



These symbols denote an action that is **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 authorized 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 to authorized dealer or specialist on usage of specified refrigerant type. Using of refrigerant other than the specified type 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 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 damage, it must be replaced by the manufacturer, its 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 electric shock or fire.




Prevent electric shock by switching off the power supply and unplug when:


- Before cleaning or servicing.
- Extended non-use.



- 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 propagate.

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 unstable bench when cleaning the unit to avoid injury.

Do not place 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 mode operation.




Ensure drainage pipe is connected properly and keep drainage outlet clear of gutters, containers or does not immersed in water to prevent water leakage.


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

After long period of use, make sure the installation rack is 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.

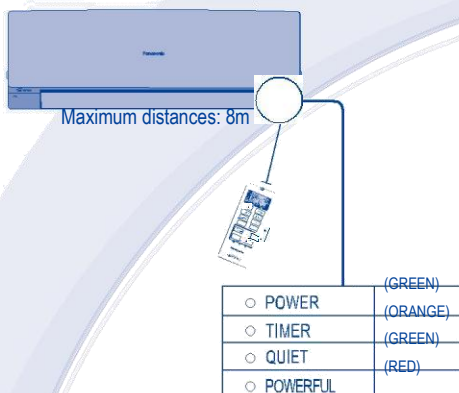
POWER SUPPLY



Do not pull the cord to disconnect the plug to prevent electric shock.

9

REMOTE CONTROL



Press the remote control's button

1 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.
- 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.

4 TO SELECT FAN SPEED (5 OPTIONS)

FAN SPEED

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

5 TO ADJUST AIRFLOW DIRECTION (5 OPTIONS)

AIR SWING → AUTO →

- 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.

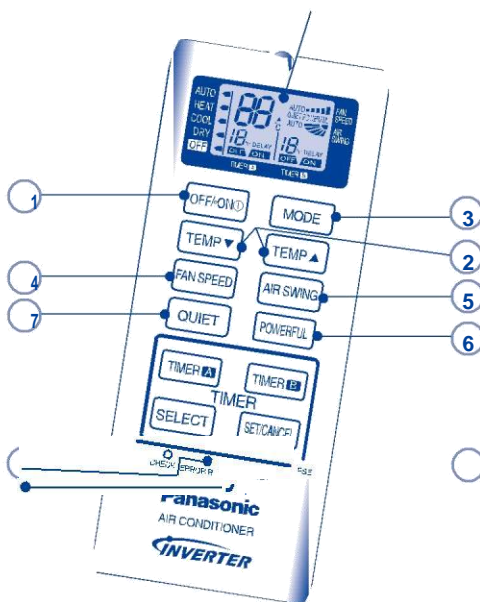
7 TO ENJOY QUIET ENVIRONMENT

- 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

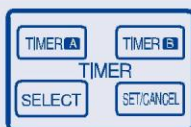
9 NOT USED IN NORMAL OPERATIONS

Remote Control display



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.

- To select the Delay OFF-TIMER, press the **SELECT** button once.
- Press the **TIMER A** button to select the delay hour.
 - The OFF-TIMER can only be set while the air-conditioner is in operation.

DELAY ON-TIMER

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

- To select the Delay ON-TIMER, press the **SELECT** button once.
- Press the **TIMER A** button to select the delay hour.
 - The ON-TIMER can only be set while the air-conditioner is not in operation.

DELAY OFF AND ON TIMER

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

- To select the Delay OFF and ON Timer, press the **SELECT** button twice repeatedly.
- Press the **TIMER** button to select the delay hour for OFF Timer.
- Press the **TIMER** button to select the delay hour for ON Timer.
 - This mode of timer can only be set while the air-conditioner is in operation.

DELAY ON AND OFF TIMER

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

- To select the Delay ON and OFF Timer, press the **SELECT** button twice repeatedly.
- Press the **TIMER** button to select the delay hour for ON Timer.
- Press the **TIMER** button to select the delay hour for OFF Timer.
 - This mode of timer can only be set while the air-conditioner is not in operation.

TO CONFIRM THE TIMER SETTING

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

TO CANCEL THE TIMER SETTING

Press the **SET CANCEL** 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 **OFF AON** 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 before cleaning.
- Do not touch the aluminium fin, sharp parts may cause injury.

CLEANING INSTRUCTIONS

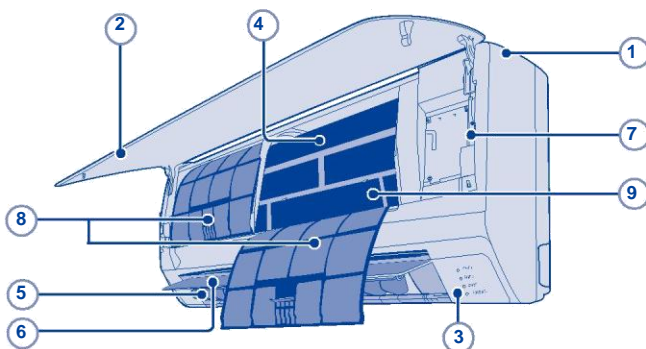
- Do not use benzene, thinner or scouring powder.
- Use only soap (pH7) or neutral household detergent.
- Do not use water hotter than 40°C.

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

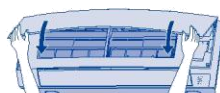
- Wipe the unit gently with a soft, dry cloth.

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 you hear double beep sound, 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

Vacuum

- Vacuum the filter whenever necessary.
- 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. Outdoor unit emits water/steam.	• The delay is a protection to the unit's compressor.
The unit operates automatically when power is resumed after a power failure.	• Condensation or evaporation occurs on pipes.
Indoor fan stops occasionally during heating operation.	• 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.
Power indicator blinks before the unit is switched on.	• To avoid unintended cooling effect.
Cracking sound during operation.	• This is a preliminary step in preparation for the operation when the ON timer has been set.
	• 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.
Noisy during operation.	• Close all doors and windows.
Remote control does not work. (Display is dim or transmission signal is weak.) The unit does not work.	• Clean or replace the filters.
The unit does not receive the signal from the remote control.	• Clear any obstruction at the air inlet and air outlet vents.
	• Check if the unit has been installed at an incline.
	• Close the front panel properly.
	• Insert the batteries correctly.
	• Replace weak batteries.
	• Check if the circuit breaker is tripped.
	• Check if timers have been set.
	• 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.

Use remote control to retrieve error code.

1 Press for 5 seconds.

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

3 Press for 5 seconds to quit checking.

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

