

F566894



Panasonic®

Operating Instructions Air Conditioner

Indoor Unit	Outdoor Unit
CS-RE9JKR	CU-RE9JKR
CS-RE12JKR	CU-RE12JKR



ENGLISH

2 ~ 7

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



QUICK GUIDE

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SAFETY PRECAUTIONS

DEFINITION

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



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



These symbols denote actions that are **COMPULSORY**.

To prevent personal injury, injury to others, or property damage, please observe 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.

Remote Control



- Do not use rechargeable (Ni-Cd) batteries.
- Do not allow infants and small children to play with the remote control to prevent them from accidentally swallowing the batteries.



- 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 to prevent malfunction of the remote control.

Indoor Unit



- Do not install, remove and reinstall the unit by yourself; improper installation will cause leakage, electric shock or fire. Please consult an authorized dealer or specialist for the installation work.
- Do not insert your fingers or other objects into the unit, rotating parts may cause injury.
- Do not attempt to repair the unit by yourself.

Indoor Unit



- Do not install the unit in a potentially explosive atmosphere.
- Do not wash the unit with water, benzene, thinner or scouring powder.
- Do not use for other purposes such as preservation of food.
- Do not use any combustible equipment in front of the airflow outlet.
- Do not expose directly to cold air for a long period.
- Ensure that the drainage pipe is connected properly. Otherwise, leakage may occur.
- Aerate the room regularly.



Power Supply



- Do not share the same power outlet with other equipment.
- Do not modify power cords.
- Do not use extension cords.
- Do not operate with wet hands.
- Do not operate or stop the unit by inserting or pulling out the power plug.
- Insert the power plug properly.
- Use the specified supply cord.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Dust on the electric power plug should be periodically wiped with a dry cloth.



- This equipment must be earthed and strongly recommended to be installed with Earth Leakage Circuit Breaker (ELCB) or Residual Current Device (RCD). Otherwise, it may cause electrical shock or fire in case of malfunction.



- In case of emergency or abnormal conditions (burnt smell, etc), turn off the power supply and unplug, and consult your nearest dealer.



Outdoor Unit



- Do not insert your fingers or other objects into the unit, rotating parts may cause injury.

Power Supply



- Do not pull the cord to disconnect the plug.



- Switch off the power supply and unplug before cleaning or servicing.
- Turn off the power supply and unplug if the unit is not used for a long period of time.



- This air conditioner is equipped with a built-in surge protective device. However, in order to further protect your air conditioner from being damaged by abnormally strong lightning activity, you may want to disconnect it from the power supply. Do not touch the air conditioner during lightning, it may cause electric shock.

Outdoor Unit



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



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



- Ensure that the drainage pipe is connected properly. Otherwise, leakage may occur.
- After long periods of use, make sure the installation rack is not damaged.

REGULATORY INFORMATION

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.

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

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)
Red	live	
L	Black	brown
N	Green/Yellow	neutral blue
E		earth green-yellow

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

Thank you for purchasing
Panasonic Air Conditioner

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ENGLISH

NOTE :

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

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):

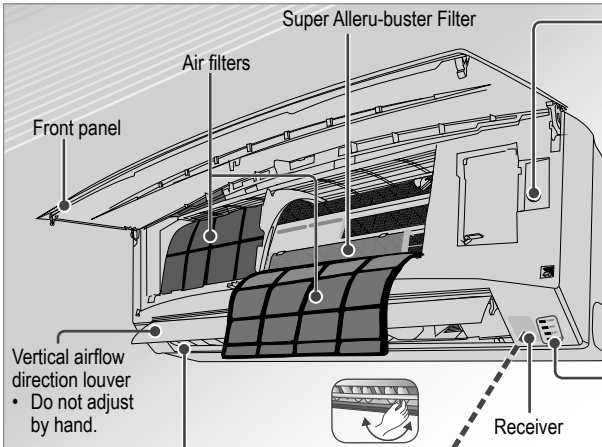
This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.



Pb

- Do not switch ON the 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.

PRODUCT OVERVIEW & OPERATIONS



Vertical airflow direction louver
• Do not adjust by hand.

Horizontal airflow direction louver
• Manually adjustable.



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

Maximum distances: 8m

Remote control display



Auto OFF/ON button

- Used when remote control is misplaced or malfunction.

Step	Action	Mode
1	Press once.	Auto
2	Press and hold until 1 beep is heard, then release.	Force Cooling
3	Press and hold until you hear double beep sound, then release.	Force Heating

Press the button to turn off.

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

OFF/ON



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.



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.

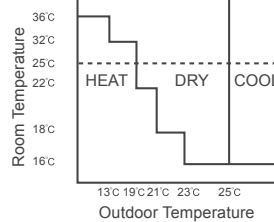


TO SELECT OPERATION MODE

AUTO mode - For your convenience

- To set the temperature by pressing ∇ or \blacktriangle .
- During Automatic Operation, the operation mode will be selected automatically in accordance with the room temperature, outdoor air temperature and set temperature of remote control.
- The operation mode changes every half hour if necessary.

(Example) Setting Temp at 25°C



HEAT mode - To enjoy warm air

- Unit takes a while to warm up.

COOL mode - To enjoy cool air

DRY mode - To dehumidify the environment

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

FAN SPEED TO SELECT FAN SPEED (5 OPTIONS)



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

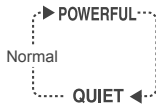
AIR SWING TO ADJUST VERTICAL AIRFLOW DIRECTION (5 OPTIONS)



- Keeps the room ventilated.
- If AUTO is set, the louvers swing up/down automatically.

POWERFUL/QUIET TO SWITCH AMONG POWERFUL, QUIET AND NORMAL OPERATION MODE.

- POWERFUL: TO ACHIEVE TEMPERATURE QUICKLY**
- This setting enables the desired set temperature to be reached quickly.



QUIET : 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.

OPTIONAL SETTINGS



Press to restore the remote control's default setting.



Not used in normal operations.

Set the temperature 1°C higher in cool mode or 2°C lower in heat mode than the desired temperature to achieve a 10% power saving.

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

TO SET THE TIMER

- 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 button once.
- Press the 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 button once.
- Press the 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 button 2 times.
- Press the button to select the delay hour for OFF Timer.
- Press the 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 button 2 times.
- Press the button to select the delay hour for ON Timer.
- Press the button to select 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 button once to activate the timer operation which will start when the set time is reached.

TO CANCEL THE TIMER SETTING

Press the button again to cancel the timer operation.

- The timer indicator of the indoor unit will light up during the timer operation.
- When the 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 button during the timer setting operation, timer setting will be cancelled.
- When a power failure occurs, the timer setting will be cancelled. Once power is resumed, reset the timer.

CARE & CLEANING



CAUTION

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

WASHING INSTRUCTIONS

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

HINTS

- Clean the filter regularly for best performance and to reduce power consumption.
- Please consult your nearest dealer for seasonal inspection.

NOTE:

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

SUPER ALLERU-BUSTER FILTER

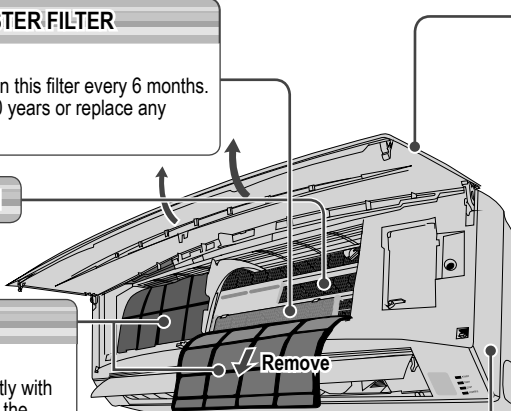
Vacuum

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

ALUMINIUM FIN

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 damaged filter.



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.



INDOOR UNIT

Wipe the unit gently with a soft, dry cloth.

FOR SEASONAL INSPECTION AFTER EXTENDED NON-USE

- Checking of remote control batteries.
- No obstruction at air inlet and air outlet vents.
- 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

- Activate heat mode for 2~3 hours to thoroughly dry the unit.
- Turn off the power supply and unplug.
- Remove the remote control batteries.

NON SERVICEABLE CRITERIAS

TURN OFF POWER SUPPLY AND UNPLUG then CALL Authorized Distributor 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.

TROUBLESHOOTING

The following symptoms do not indicate malfunction.

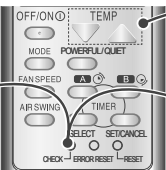
Symptom	Cause
Mist emerges from indoor unit.	<ul style="list-style-type: none"> • Condensation effect due to cooling process.
Water flowing sound during operation.	<ul style="list-style-type: none"> • Refrigerant flow inside the unit.
The room has a peculiar odour.	<ul style="list-style-type: none"> • This may due to damp smell emitted by the wall, carpet, furniture or clothing.
Indoor fan stops occasionally during automatic fan speed setting.	<ul style="list-style-type: none"> • This helps to remove the surrounding odours.
Operation is delayed a few minutes after restart.	<ul style="list-style-type: none"> • The delay is a protection to the unit's compressor.
Outdoor unit emits water/steam.	<ul style="list-style-type: none"> • Condensation or evaporation occurs on pipes.
The unit operates automatically when power is resumed after a power failure.	<ul style="list-style-type: none"> • It is the Auto Restart function of the unit. Operation will be restarted automatically under the previous operation mode and airflow direction when power is resumed as the operation is not stopped by remote control. • To cancel the Auto Restart Control, please contact with authorized distributor.
Power indicator blinks during operation and the indoor fan is stopped.	<ul style="list-style-type: none"> • The unit is in defrost mode, and the melted frost is drained from the outdoor unit.
Indoor fan stops occasionally during heating operation.	<ul style="list-style-type: none"> • To avoid unintended cooling effect.
Power indicator blinks before the unit is switched on.	<ul style="list-style-type: none"> • This is a preliminary step in preparation for the operation when the ON timer has been set.
Cracking sound during operation.	<ul style="list-style-type: none"> • 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.	<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 not obstructed. • Certain fluorescent lights may interfere with signal transmitter. Please consult your nearest 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.

NOTE :

- For certain error, you may restart the unit with limited operation with 4 beeps during operation starts.

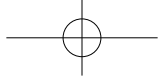
PRODUCT SPECIFICATION

- Indoor Unit
 Outdoor Unit

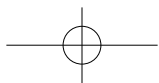
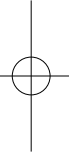
 Model		<input type="checkbox"/> CS-RE9JKR <input type="checkbox"/> CU-RE9JKR				<input type="checkbox"/> CS-RE12JKR <input type="checkbox"/> CU-RE12JKR				
		COOL	HEAT	COOL	HEAT	COOL	HEAT	COOL	HEAT	
		Single, 230V, 50Hz		Single, 240V, 50Hz		Single, 230V, 50Hz		Single, 240V, 50Hz		
 Power/Current	[kW]	0.700	0.820	0.700	0.820	1.010	1.120	1.010	1.120	
	[A]	3.30	3.80	3.20	3.70	4.80	5.20	4.70	5.10	
 Refrigerant	[kg]	R410A 0.810				R410A 0.970				
 Cooling Capacity	[kW]	2.500				3.500				
 Heating Capacity	[kW]	3.300				4.250				
 Noise Level	JIS C 9612 [<70 dB(A)]	<input type="checkbox"/> 42		42		42		42		
	Conditions 1m Distance Max. cooling/heating operation	[dB(A)]	<input type="checkbox"/> 47 48		47 48		48 50		48 50	
	Sound power level	[dB(A)]	<input type="checkbox"/> 53		53		53		53	
		[dB(A)]	<input type="checkbox"/> 60 61		60 61		61 63		61 63	
	 Air Circulation	[m ³ /min.]	13.8	13.8	13.8	13.8	13.8	14.5	13.8	14.5
		 Product Weight	[kg]	<input type="checkbox"/> 8.5				8.5		
[kg]	<input type="checkbox"/> 26				28.5					
 Dimensions (L x W x H)	[mm]	<input type="checkbox"/> 848 x 204 x 290				848 x 204 x 290				
	[mm]	<input type="checkbox"/> 780 x 289 x 540				780 x 289 x 540				

Test conditions

- Cooling: Indoor Dry Bulb Temp. (°C) 27
 Wet Bulb Temp. (°C) 19
 Heating: Indoor Dry Bulb Temp. (°C) 20
 Wet Bulb Temp. (°C) 12 (MAX)
 - Outdoor Dry Bulb Temp. (°C) 35
 Wet Bulb Temp. (°C) 24
 Outdoor Dry Bulb Temp. (°C) 7
 Wet Bulb Temp. (°C) 6
2. Standard piping length: 7.5m (Includes Indoor Unit piping length).

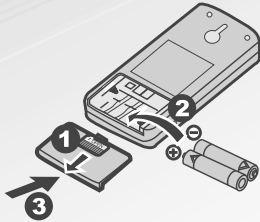


MEMO



QUICK GUIDE

Remote Control Preparation



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

	<p>1</p> <p>MODE</p> <p>AUTO → HEAT DRY ← COOL</p>	<p>Select the desired mode.</p>
	<p>2</p> <p>OFF/ON</p>	<p>Start/stop the operation.</p>
	<p>3</p> <p>TEMP</p>	<p>Set the desired temperature.</p>

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