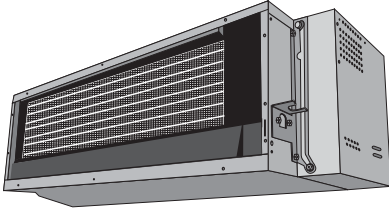


Operating Instructions

Air Conditioner



Model No.

Indoor Unit
CS-E12QD3RW
CS-E18QD3RW

Single Split
Outdoor Unit
CU-E12QD3R
CU-E18QD3R

Multi Split
Outdoor Unit
CU-4E23QBR
CU-4E27QBR
CU-5E34QBR



Operating Instructions
Air Conditioner

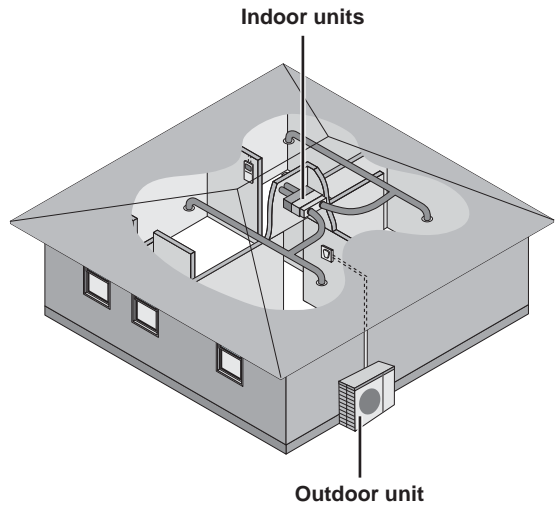
Thank you for purchasing Panasonic Air Conditioner.
Installation instructions attached.

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

Multi air conditioner system

Multi air conditioner systems save space by letting you connect multiple indoor units to a single outdoor unit.

- For complete product features, please refer catalogue.



Indoor units

- It is possible to operate the indoor units individually or simultaneously. The priority of operation is placed on the first unit that turned on.
- During operation, HEAT and COOL modes cannot activate at the same time for different indoor units.
- The power indicator blinks to indicate the indoor unit is standing by for a different operation mode.



Operation conditions

Use this air conditioner under the following temperature range.

DBT : Dry bulb temperature

WBT : Wet bulb temperature

CU-E12QD3R CU-E18QD3R		Indoor		Outdoor	
		DBT	WBT	DBT	WBT
COOL	Max.	32	23	46	26
	Min.	16	11	5	-
HEAT	Max.	30	-	24	18
	Min.	16	-	-15	-

°C (temperature)

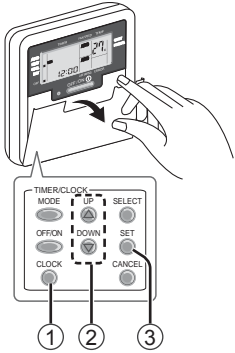
Multi split outdoor unit

CU-4E23QBR CU-4E27QBR CU-5E34QBR		Indoor		Outdoor	
		DBT	WBT	DBT	WBT
COOL	Max.	32	23	46	26
	Min.	16	11	-10	-
HEAT	Max.	30	-	24	18
	Min.	16	-	-15	-16

°C (temperature)

Quick guide

Remote control preparation



Open the cover to use the buttons





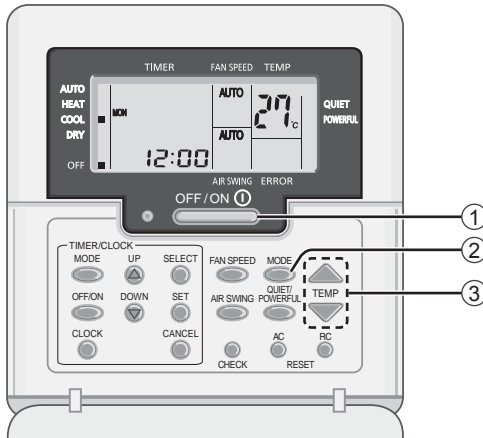
- ① Press ^{CLOCK} 
- ② Press **TIMER** ^{UP}  or ^{DOWN}  to select current day
- ③ Press ^{SET}  to confirm
- ④ Repeat steps 2 and 3 to set the current time

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Basic operation



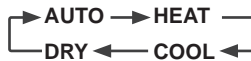
① Start/stop the operation

- Please note that the OFF indication is as follows:

To start: 

To stop: 

② Select the desired mode



③ Select the desired temperature


- Selection range: 16 °C ~ 30 °C.

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.

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:

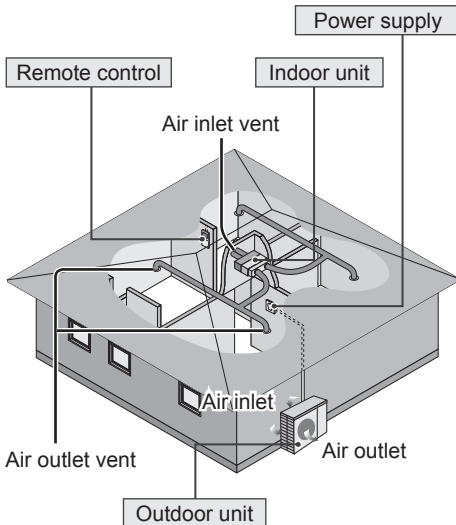
 WARNING	This sign warns of death or serious injury.
---	---

 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.



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.



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.

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:

- 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.

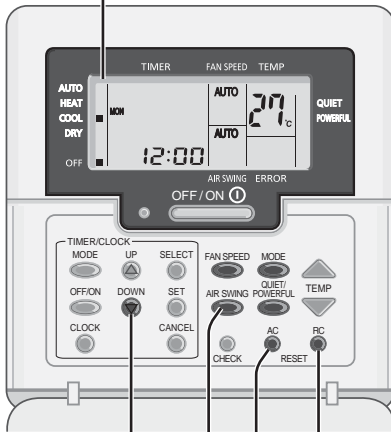
After a long period of use, make sure the installation rack does not deteriorate to prevent the unit from falling down.

How to use

Single Single split system

Multi Multi split system

Remote control display



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

Not applicable

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.

MODE



To select operation mode

AUTO - For your convenience

- Unit selects operation mode every 10 minutes according to setting temperature and room temperature.

HEAT - To enjoy warm air

- Unit takes a while to warm up.

COOL - To enjoy cool air

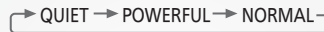
- Use curtains to screen off sunlight and outdoor heat to reduce power consumption during COOL mode.

DRY - To dehumidify the environment

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



To switch between quiet & powerful



QUIET: To enjoy quiet operation

- This operation reduces airflow noise.

POWERFUL: To reach temperature quickly

- Single** • This operation stops automatically after 20 minutes.
- Multi** • Press the button again or turn OFF the unit to stop this operation.

Can be activated in all modes and can be cancelled by pressing the respective button again.

Information

Information for Users on Collection and Disposal of Old Equipment



[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.



To set the timer

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

- Switch off the power supply 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.

For seasonal inspection after extended non-use

- No obstruction at air inlet and air outlet vents.
- These units are mounted inside the ceiling. It uses external air intake vent and air outlet vent to operate. Please consult your nearest dealer for seasonal inspection.
- After 15 minutes of operation, it is normal to have the following temperature difference between air inlet and air outlet vents:

COOL: ≥ 8 °C

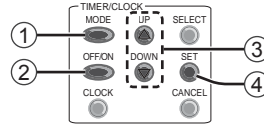
HEAT: ≥ 14 °C

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.

Daily timer setting

To turn ON or OFF the unit at a preset time.



- 1 Press **TIMER** to enter timer mode

- Press once to change the display from clock to timer or vice-versa.
- Press for 4 seconds to change the display from daily timer to weekly timer or vice-versa.

- 2 Select **ON** or **OFF** timer

Example:
OFF at 22:00



- 3 Set the time



- 4 Confirm



- To cancel, press .

- When ON timer is set, the unit may start early 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.
- The timer closest to the current time will be activated first.
- If timer is cancelled manually or due to power failure, you can restore the previous setting by pressing .

NON SERVICEABLE CRITERIAS

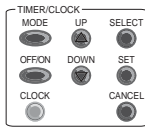
TURN OFF POWER SUPPLY then please consult authorised dealer under the following conditions:

- 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.

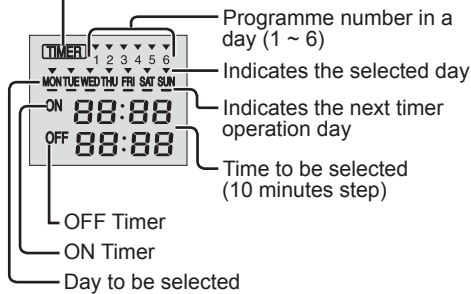
To set the timer

Weekly timer setting

Promotes energy saving by allowing you to set up to 6 programmes in any given day.



Lights up if Timer operation is selected



1. Press **TIMER** ^{MODE} for 4 seconds to change display to weekly timer.



2. Press **TIMER** ^{UP} or ^{DOWN} to select your desired day.
3. Press ^{SELECT} to confirm your selection.
4. "1" will be blinking, press ^{SELECT} to set programme 1.
5. Press **TIMER** ^{OFF/ON} to select ON or OFF timer.
6. Press **TIMER** ^{UP} or ^{DOWN} to select your desired time.
If you want to set the timer together with your desired temperature, press ^{TEMP} to select the temperature.

7. Press ^{SET} to confirm programme 1. The selected day will be highlighted with ▼.
- After 2 seconds, the display will move to the next programme. Repeat steps 4 to 7 to set programmes 2 to 6.
 - During timer setup, if no button is pressed within 30 seconds, or if the ^{SET} button is pressed, the setting at that moment is confirmed and timer setup is ended.

To check current timer programme

1. Press **TIMER** ^{MODE} to enter timer mode and press ^{SELECT} to enter day setting.
2. Press **TIMER** ^{UP} or ^{DOWN} until your desired day is shown, press ^{SELECT} to confirm your selection.
3. Press **TIMER** ^{UP} or ^{DOWN} to check the set programmes.

To modify current timer programme or add new timer programme

1. Press **TIMER** ^{MODE} to enter timer mode and press ^{SELECT} to enter day setting.
2. Press **TIMER** ^{UP} or ^{DOWN} until your desired day is shown.
3. Perform steps 4 to 7 of "Weekly timer setting" to modify existing timer programme, or add any timer programme.

To cancel current timer programme

1. Press ^{SELECT} to enter day.
2. Press **TIMER** ^{UP} or ^{DOWN} until your desired day is shown, press ^{SELECT} to enter programme setting.
3. Press **TIMER** ^{UP} or ^{DOWN} until your desired day is shown. Press ^{CANCEL} to cancel the programme and ▼ will disappear.

To disable/enable Weekly Timer

- To disable weekly timer setting, press **TIMER** ^{MODE}, then press ^{CANCEL}.
- To enable previous weekly timer setting, press **TIMER** ^{MODE}, then press ^{SET}.

Note

- Daily timer and weekly timer could not be set at the same time.
- Same timer programme cannot be set in the same day.

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.
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 operation and the indoor fan is stopped.	• The unit is in defrost mode, and the melted frost is drained from the outdoor unit.
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.

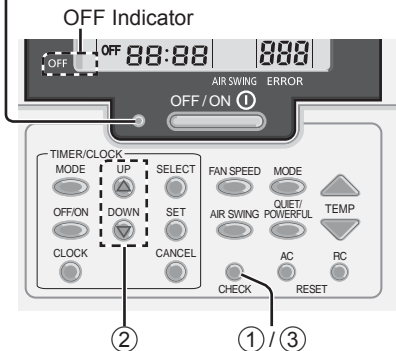
Check the following before calling for servicing.

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. • Clear any obstruction at the air inlet and air outlet vents.
Noisy during operation.	• Check if the unit has been installed at an incline.
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 following symptoms indicate malfunction.

Symptom	Check
At remote control, OFF indicator does not shown on remote control display but operation LED OFF.	• Use remote control to retrieve error code as follows.

Operation LED



Ensure the operation LED is in OFF condition.

- ① Press **CHECK** for 5 seconds
- ② Press **TIMER** **UP** or **DOWN**
 - If error code and abnormality can be identified, the operation LED will be ON continuously, then jot down the error code.
- ③ Press **CHECK** again for 5 seconds to quit checking
- ④ Reveal the error code to authorised dealer

Memo

Memo

Panasonic Corporation

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