

Panasonic[®]

Operating Instructions Air Conditioner

Model No.

Indoor Unit

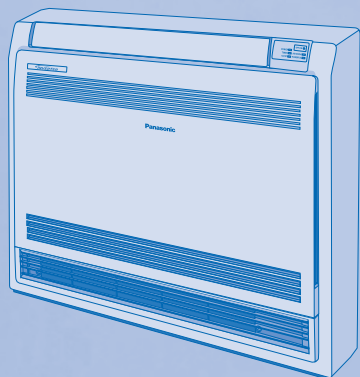
CS-E12GFEW

CS-E18GFEW

Outdoor Unit

CU-E12GFR

CU-E18GFR



ENGLISH

2~7

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

QUICK GUIDE



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F567625

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. It is subjected to change without notice for future improvement.

OPERATION CONDITION

Use this air conditioner under the following temperature range

Temperature (°C)		Indoor	
		*DBT	*WBT
COOLING	Max.	32	23
	Min.	16	11
HEATING	Max.	30	-
	Min.	16	-

Temperature (°C)		Outdoor	
		*DBT	*WBT
COOLING	Max.	43	26
	Min.	16	11
HEATING	Max.	24	18
	Min.	-15	-16

*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.

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 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 repair, install, remove and reinstall the unit. Improper installation and handling will cause leakage, electric shock or fire.



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

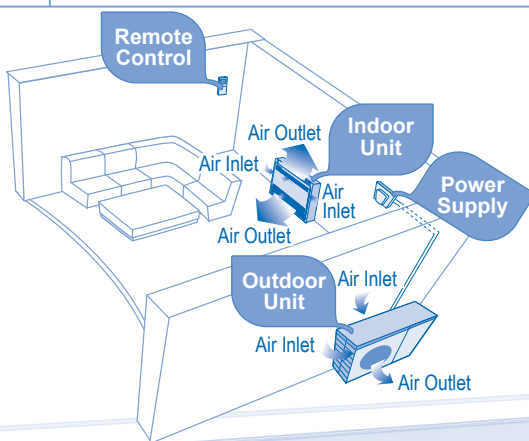


Do not touch the outdoor unit during lightning, it may cause electric shock.

REMOTE CONTROL



Do not allow infants and small children to play with the remote control to prevent them from accidentally swallowing the batteries.





WARNING

POWER SUPPLY



Do not use modified cord, joint cord, extension cord or unspecified cord to prevent overheating and fire.



Do not share the same power outlet with other equipment to prevent overheating and fire.

Do not operate with wet hands to prevent electric shock.



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.

It is strongly recommended to be installed with Earth Leakage Circuit Breaker (ELCB) or Residual Current Device (RCD) to prevent electric shock or fire.



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



Prevent electric shock by switching off the power supply when:

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

- Abnormally strong lightning activity.



Stop using the product when 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 immediately your local dealer for maintenance/repair.



CAUTION

INDOOR UNIT AND OUTDOOR UNIT



Do not wash the indoor unit with water, benzene, thinner or scouring powder.

Do not use for other purpose such as preservation of food.

Do not use any combustible equipment in front of the airflow outlet to avoid propagation fire.

Do not expose yourself directly to cold air for a long period.

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.



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.



Ensure drainage pipe is connected properly. Otherwise, leakage may occur.

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.



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.

INFORMATION

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

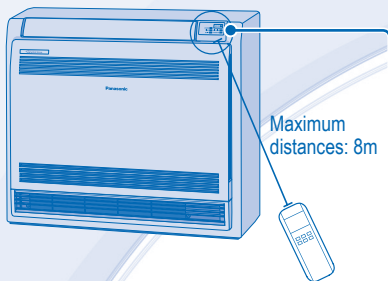
- Activate Heat mode operation for 2-3 hours as an alternative to remove moisture left in the internal parts thoroughly to prevent mould growth.
- Turn off the power supply.
- Remove the remote control batteries.

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.

REMOTE CONTROL



Maximum distances: 8m

INDICATOR

(Green) POWER	
(Orange) TIMER	(Orange) AIR SWING
(Orange) QUIET	(Orange) POWERFUL

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

- The range of temperature for selection is 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 operation mode every 30 minutes according to temperature setting, outdoor and room temperature.

HEAT MODE - To enjoy warm air

- Unit takes a while to warm up. The power indicator blinks during this operation.

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)

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



5 TO ADJUST AIRFLOW DIRECTION

- Keeps the room ventilated.
- AIR SWING - AUTO
 - In COOL/DRY mode, if AUTO is set, the louver swing up/down automatically.
 - In HEAT mode, if AUTO is set, the louver fix at predetermined position.
- AIR SWING - MANUAL
 - The airflow direction can be adjusted as desired by using remote control.



6 TO ENJOY QUIET OPERATION



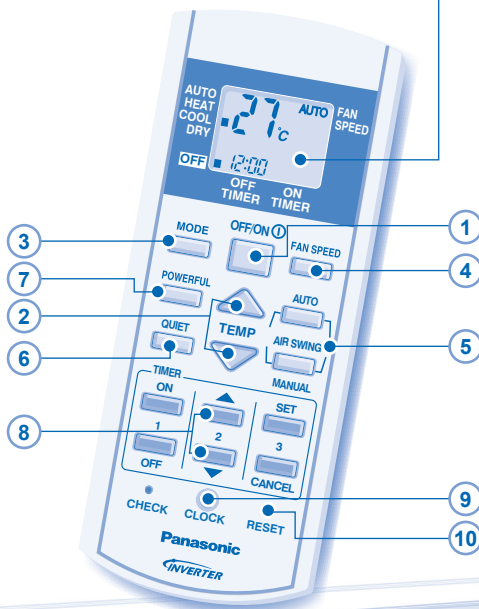
- This operation reduces airflow noise.

7 TO REACH TEMPERATURE QUICKLY



- This setting enables the desired temperature to be reached quickly.
- This operation will stop automatically after 20 minutes.

Remote Control display



- 8 Temperature setting of 1°C higher in cool mode or 2°C lower in heat mode than the desired temperature performs a 10% power saving.
- 9 Press and hold for approximately 10 seconds to show 12-hour (am/pm) or 24-hour time indication.
- 10 Press to restore the remote control's default setting.

NOTES

- QUIET** **POWERFUL**
-  and  can be activated in all modes and can be cancelled by pressing the respective button again.
- QUIET** **POWERFUL**
-  and  cannot be activated at the same time.

TO SET THE TIMER

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



Select ON or
OFF timer



Set the time



Confirm

- To cancel ON or OFF timer, press  or  then press .
- When ON Timer is set, the unit may start earlier (up to 30 minutes) 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. For clock setting, please refer to Remote Control Preparation at back cover.
- If timer is cancelled manually or due to power failure, you can restore the previous setting (once power is resumed) by pressing .

INDOOR UNIT



CAUTION

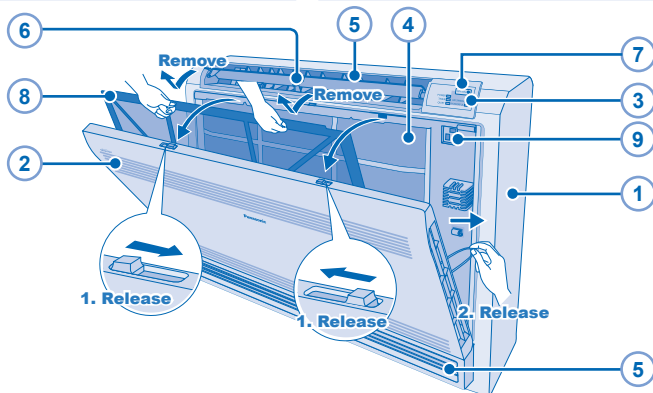
- Switch off the power supply before cleaning.
- Do not touch the aluminium fin, sharp parts may cause injury.

CLEANING INSTRUCTIONS

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

HINT

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



1 INDOOR UNIT

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

2 INTAKE GRILLE

1. Release 2 levers to open.
2. Release string to remove. Wash gently and dry.

3 REMOTE CONTROL RECEIVER

4 ALUMINIUM FIN

5 HORIZONTAL AIRFLOW DIRECTION LOUVER

- Both upper and lower louvers are manually adjustable.



6 VERTICAL AIRFLOW DIRECTION LOUVER

- Do not adjust by hand.

7 AUTO OFF/ON BUTTON

- Use when remote control is misplaced or a malfunction occurs.

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.

9 AIR OUTLET SELECTION SWITCH

To select preferred airflow pattern.

Selection	Pattern	Description
		This setting blows air from upper outlet only.
		This setting automatically decides airflow pattern depending on mode and conditions (Default and recommended).
		For Heat mode, during start or low discharge temperature / For Cool mode, when setting temperature is achieved, the air is blown from the upper air outlet only.
		Air is blown from the upper and lower air outlets for high speed cooling during COOL mode, and for filling the room with warm air during HEAT mode.

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.	

TROUBLESHOOTING

The following symptoms do not indicate malfunction.

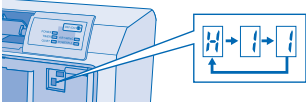
SYMPTOM	CAUSE
Mist emerges from indoor unit.	• Condensation effect due to cooling process.
Water flowing sound during operation.	• Refrigerant flow inside the unit.
The room has a peculiar odour.	• This may be due to damp smell emitted by the wall, carpet, furniture or clothing.
Indoor fan stops occasionally during automatic fan speed setting.	• This helps to remove the surrounding 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.
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 cause the expansion/contraction of the unit.

Check the following before calling for servicing.

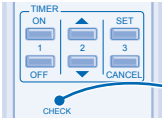
SYMPTOM	CHECK
Heating/Cooling operation is not working efficiently.	• Set the temperature correctly.
	• Close all doors and windows.
	• Clean or replace the filters.
	• Clear any obstruction at the air inlet and air outlet vents.
Noisy during operation.	• Check if the unit has been installed at an incline.
	• 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 stops and the timer indicator blinks.

Jot down error code at indicator.



If the error code does not appear at the indicator.



Press to retrieve error code, then jot down the error code at indicator.

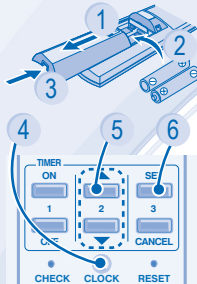
- Turn the unit off and reveal the error code to your nearest dealer.

Note:

- The unit may be operable (with 4 beeps) on a limited basis, depending on the error.

QUICK GUIDE

Remote Control Preparation



- 1 Pull out
- 2 Insert AAA or R03 batteries (can be used ~ 1 year)
- 3 Close the cover
- 4 Press CLOCK
- 5 Set time
- 6 Confirm

1

MODE

AUTO → HEAT
DRY ← COOL

Select the desired mode.

2

OFF/ON

Start/stop the operation.

3

TEMP

Select the desired temperature.

4

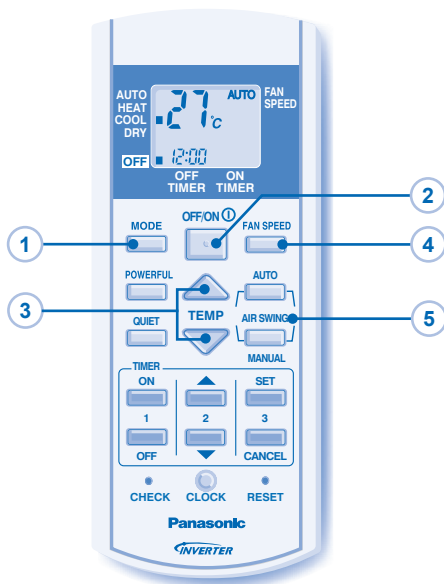
FAN SPEED

Select fan speed.

5

AIRFLOW

Adjust the airflow direction louver.



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.



Pb

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.

Panasonic Corporation

Website: <http://panasonic.net/>