



# Panasonic<sup>®</sup>

## Operating Instructions Air Conditioner

Model No.

Indoor Unit

**CS-RE18MKR**

**CS-RE24MKR**

**CS-RE28MKR**

Outdoor Unit

**CU-RE18MKR**

**CU-RE24MKR**

**CU-RE28MKR**



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



**QUICK GUIDE**

© Panasonic HA Air-Conditioning (M) Sdn. Bhd. 2011.  
Unauthorized copying and distribution is a violation  
of law.

**F568152**



Thank you for purchasing  
Panasonic Air Conditioner

## TABLE OF CONTENTS

**SAFETY PRECAUTIONS** 2~3

**REMOTE CONTROL** 4~5

**INFORMATION** 5

**INDOOR UNIT** 6

**TROUBLESHOOTING** 7

**QUICK GUIDE**  
**BACK COVER**

## 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	-

### CU-RE18MKR

Temperature (°C)		Outdoor	
		*DBT	*WBT
COOLING	Max.	46	26
	Min.	5	4
HEATING	Max.	24	18
	Min.	-15	-16

### CU-RE24MKR, CU-RE28MKR

Temperature (°C)		Outdoor	
		*DBT	*WBT
COOLING	Max.	46	26
	Min.	16	11
HEATING	Max.	24	18
	Min.	-15	-16

\* DBT: Dry bulb temperature

\* WBT: Wet bulb temperature

# 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 actions 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.



Do not install the unit in a potentially explosive or flammable atmosphere. Failure to do so could result in fire.

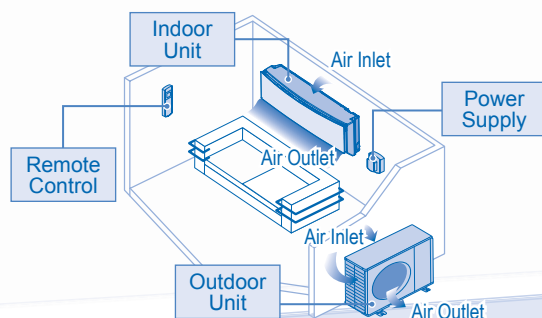
Do not insert your fingers or other objects into the air conditioner indoor or outdoor unit, rotating parts may cause injury.



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.





## WARNING

### 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.



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 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.



This equipment must be earthed to prevent electrical 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 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 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/DRY 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 does 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.

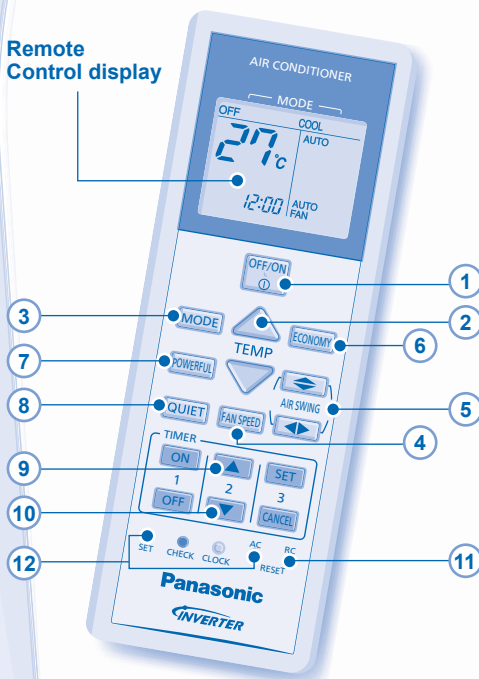
# REMOTE CONTROL



Maximum distances: 8m

INDICATOR	
POWER	(Green)
TIMER	(Orange)
QUIET/ECONOMY	(Orange)
POWERFUL	(Orange)

Remote Control display



## 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 (Not applicable for FAN mode).
- 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 during startup according to temperature setting 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.

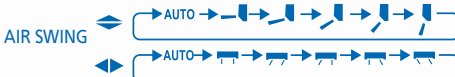
#### FAN mode - To circulate air in the room

### 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 (5 OPTIONS)



- Keeps the room ventilated.
- In COOL/DRY mode, if AUTO is set, the louver swing left/right and up/down automatically.
- In HEAT mode, if AUTO is set, the horizontal louver fix at predetermined position. The vertical louver swing left/right after the temperature rises.

### 6 TO SAVE ELECTRICAL POWER CONSUMPTION



- Save power consumption at unoccupied room by adjust set temperature up to 3°C automatically.
- Brightness of all indicators will be dimmed.

## 7 TO REACH TEMPERATURE QUICKLY

- This operation will stop automatically after 20 minutes.



## 8 TO ENJOY QUIET OPERATION

- This operation reduces airflow noises.



- Press and hold for 5 seconds to dim or restore the unit's indicator brightness.

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

- Press to restore the remote control's default setting.

- Not used in normal operations.

### NOTES

QUIET, POWERFUL, ECONOMY

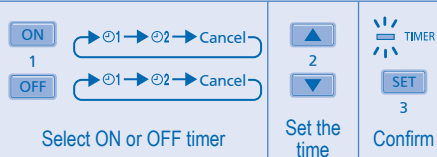
- Can be activated in all modes and can be cancelled by pressing the respective button again.

QUIET, POWERFUL, ECONOMY

- Cannot be selected at the same time.

## TO SET THE TIMER

- 2 sets of ON and OFF timers are available to turn ON or OFF the unit at different preset time.
- Complete below procedures to set each timer:



- Example of application at living room:  
Morning: ON ① at 07:00 (Wake up)  
OFF ① at 08:00 (Out for work)  
Evening: ON ② at 17:00 (Back home)  
OFF ② at 22:00 (Sleep)
- To cancel ON or OFF timer, press **ON** or **OFF** to select respective ① or ② then press **CANCEL**.
- If timer is cancelled manually or due to power failure, you can restore the timer again by pressing **ON** or **OFF** to select respective ① or ② then press **SET**.
- Upcoming timer will be displayed and will be activated in sequence.
- When ON Timer is set, the unit may start earlier (up to 35 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.

## 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 Heating/Cooling 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 e-ion 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 and unplug.
- Remove the remote control batteries.

### NON SERVICEABLE CRITERIAS

TURN OFF POWER SUPPLY AND UNPLUG 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.

# INDOOR UNIT



## CAUTION

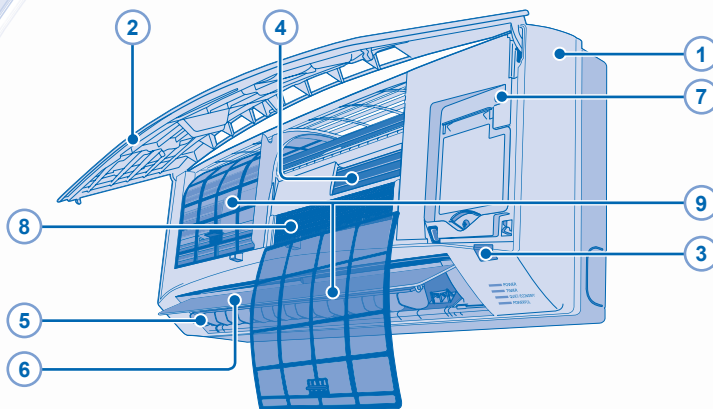
- Switch off the power supply and unplug before cleaning.
- Do not touch the aluminium fin, sharp parts may cause injury.

## CLEANING INSTRUCTIONS

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

## HINT

- To ensure optimal performance of the unit, cleaning maintenance has to be carried out at regular intervals. Dirty unit may cause malfunction and you may see error code "H99". Please consult authorized dealer.



### 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 REMOTE CONTROL RECEIVER

### 4 ALUMINIUM FIN

### 5 HORIZONTAL AIRFLOW DIRECTION LOUVER

- Do not adjust by hand.

### 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.

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.	Heating
Press again until 2 beeps, then release.	
Press the button to turn off.	

### 8 AIR PURIFYING FILTER



Vacuum the air purifying filter.

- Vacuum the filter whenever necessary.
- Replace the filter every 10 years or replace any damaged filter. Part no.: CZ-SA22P

### 9 AIR FILTERS

- Air filter cleaning is required every two weeks.
- 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 filters.

# 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.
	▶ • This helps to remove the surrounding odours.
Indoor fan stops occasionally during automatic fan speed setting.	▶ • Extraction of remaining heat from the indoor unit (maximum 30 seconds).
Airflow continues even after operation has stopped.	▶ • The delay is a protection to the unit's compressor.
Operation is delayed a few minutes after restart.	▶ • Condensation or evaporation occurs on pipes.
Outdoor unit emits water/steam.	▶ • The timer setting repeats daily once set.
Timer indicator is always on.	▶ • The unit is in defrost mode (and AIR SWING is set to AUTO).
Power indicator blinks during HEAT mode with no warm air supply (and louver is closed).	▶ • To avoid unintended cooling effect.
Indoor fan stops occasionally during heating operation.	▶ • This is a preliminary step in preparation for the operation when the ON timer has been set.
Power indicator blinks before the unit is switched on.	▶ • Changes of temperature cause the expansion/contraction of the unit.
Cracking sound during operation.	

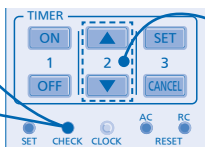
Check the following before calling for servicing.

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.

Use remote control to retrieve error code.

- 1 Press for 5 seconds.
- 2 Press until you hear beep sound, then write 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.

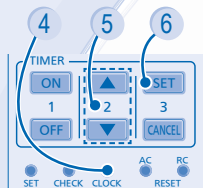
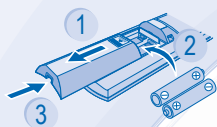


## Note:

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

# 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 → COOL  
FAN ← DRY ←

Select the desired mode.

2

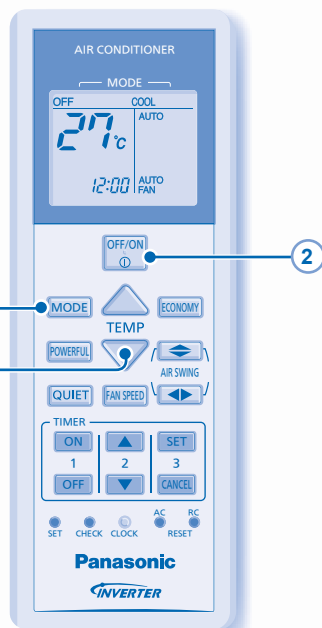
### OFF/ON

Start/stop the operation.

3

### TEMP

Select the desired temperature.



## 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/>

Printed in Malaysia

F568152  
YS0611-1