

Panasonic®

Operating Instructions Air Conditioner

CS-MC12DKU CU-2C24DKU



ENGLISH
ESPAÑOL

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

Antes de utilizar la unidad, sírvase leer atentamente estas instrucciones de funcionamiento y conservarlas como futuro elemento de consulta.

2 ~ 7

8 ~ 13

Please register your product at : www.panasonic.com/register
For assistance, please call : (866)-292-7292, for Hawaii residents call (808)-488-7779.

Manufactured by:

Panasonic HA Air-Conditioning (M) Sdn. Bhd.

Lot 2, Persiaran Tengku Ampuan, Section 21, Shah Alam Industrial Site, 40300 Shah Alam, Selangor, Malaysia.

Thank you for purchasing a Panasonic Air Conditioner

SAFETY PRECAUTIONS

■ Important notice

To prevent personal injury, injury to others and property damage, the following instructions must be followed.

Incorrect operation due to failure to follow instructions will 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 that are COMPULSORY.

Installation Precautions



Warning

Do not install, remove or 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.
- This equipment must be earthed and installed with ELCB. It may cause electrical shock or fire in case of malfunction.



Caution



- This air conditioner must be grounded. Improper grounding will cause electric shock.
- Ensure that the drainage piping is connected properly. Otherwise, water will leak.



- Do not install the unit in a potentially explosive environment.

Operation Precautions



Warning



- Do not share power outlet.
- Do not modify power cord.
- Do not use an extension cord.
- Do not operate with wet hands.
- Do not insert fingers or other objects into the indoor or outdoor unit.
- Do not attempt to repair the unit by yourself.
- Do not use rechargeable (Ni-Cd) batteries.
- Keep the remote control away from infants and small children to prevent them from accidentally swallowing the batteries.



- Use specified supply cord.
- If the supply cord is damaged or needs replacement, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- 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.
- In case of emergency or if an abnormal condition (burnt smell, etc) occurs, turn off the power supply.



Caution



- 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 store or use any combustible equipment in the airflow direction.
- Do not sit on or place anything on the indoor or outdoor unit.
- Do not expose directly to cold air for a long period.



- Ventilate the room regularly.
- Pay attention as to whether the installation rack is damaged after a long period of usage.



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

Safety Regulation

The appliance is not intended for use by young children or infirm people without supervision. Young children should be supervised to ensure that they do not play with the appliance.

Power Supply	
Time Delay Fuse	Rated Volts
20 Amps CS-MC12DKU/CU-2C24DKU	208/230 V

Operation Condition (°F)

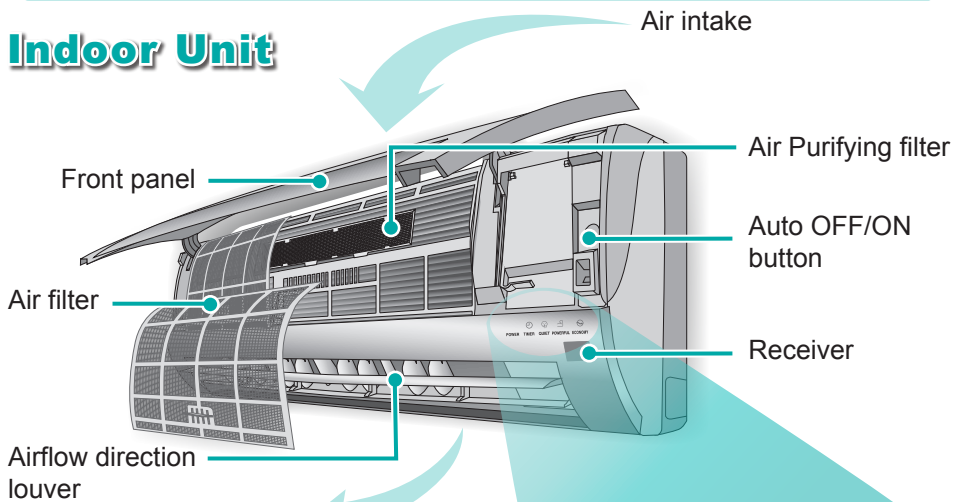
Use this air conditioner under the following temperature range.

DBT: Dry Bulb Temperature WBT: Wet Bulb Temperature	Indoor		Outdoor	
	DBT	WBT	DBT	WBT
Maximum Temperature	89.6	73.4	109.4	78.8
Minimum Temperature	60.8	51.8	60.8	51.8

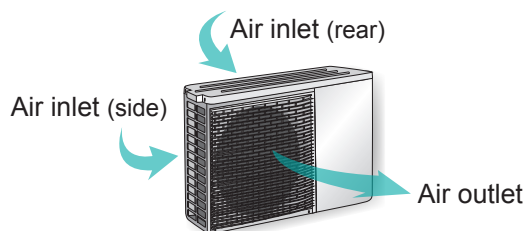
Note: The illustrations in this manual are for explanation purposes only and may differ from the actual unit. It is subject to change without notice for future improvement.

PRODUCT OVERVIEW

Indoor Unit



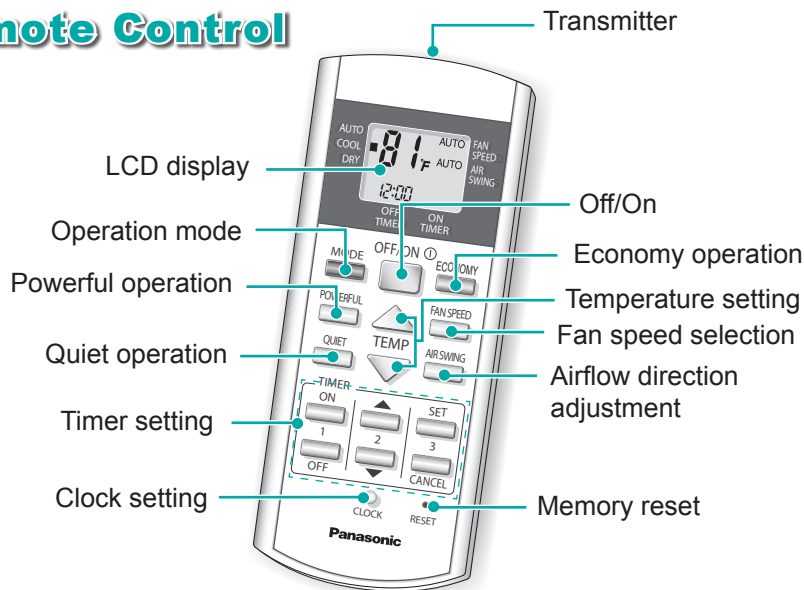
Outdoor Unit



Indicator



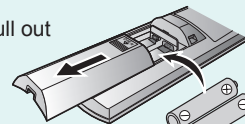
Remote Control



About

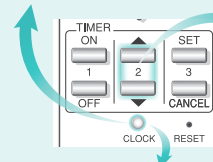
Remote Control Preparation

1. Pull out



2. Insert batteries (AAA or R03)

3. Press CLOCK button



4. Set current time

5. Press again to confirm

- Timer operation will be based on current time set.
- The batteries can be used for approximately 1 year.
- The batteries must be recycled or disposed of properly.

Remote Control Signal

- Make sure it is not obstructed.
- Maximum distances : 32.8 ft (10 m).
- Certain fluorescent lights may interfere with signal transmission. Consult your dealer.

Auto OFF/ON Button

- To operate the unit if the remote control is misplaced or malfunctioning.

Action	Operation mode
Press once	Automatic Operation
Press until "beep" sound	Cooling Operation

- To turn OFF, press the Auto OFF/ON button again.
- To switch the remote control signal receiving sound off or on.
 1. Press until you hear a "beep" sound and release.
 2. Press again until you hear a "beep-beep" sound and release.
 3. Press to switch the sound off or on. (Long "beep" - OFF; short "beep" - ON)

Troubleshooting

- | | |
|--|--|
| • Operation delayed for a few minutes after restart. | ➤ This is a normal self protection function. |
| • Sound like water flowing during operation. | ➤ Caused by refrigerant flow inside. |
| • Mist emerges from indoor unit. | ➤ Condensation effect due to cooling process. |
| • Noisy during operations. | ➤ Installation work could be slanted or front panel isn't closed properly. |
| • Remote control/display does not work. | ➤ Check whether batteries are correctly inserted or need replacement. |
| • The unit cannot operate. | ➤ Check whether circuit breaker is tripped or timer is being used correctly. |
| • Outdoor unit emits water/steam. | ➤ Condensation or evaporation has occurred at piping surface. |

HOW TO OPERATE

Auto, Cool, Dry

■ Operation Details

AUTO - Automatic Operation

- The unit will automatically select the operation mode according to the room temperature.
- Once the operation mode is selected, the unit will operate at the standard setting temperature as shown:

Room temperature	Operation mode	Standard setting temperature
73.4°F & above	Cool	77°F
Below 73.4°F	Dry	72°F

- You may press \triangle or ∇ button to change the standard setting temperature to "HI" or "LO" as shown:

Operation mode	HI	LO
Cool	81°F	73°F
Dry	75°F	68°F

COOL - Cooling Operation

- Enables you to enjoy the cooling effect at your preferred setting temperature.
- The range of temperature can be selected from 60°F ~ 86°F.

DRY - Soft Dry Operation

- Allows you to set the desired temperature at low fan speed which enables you to dehumidify your surroundings.
- The range of temperature can be selected from 60°F ~ 86°F.

1 Start the operation.

2 Select the desired operation.

3 Set the temperature.

- Powerful, Quiet and Economy operations can be activated in all operation modes.
- Press button again to stop the operation.

Hint

- To save electricity, close the curtains when using air conditioner to prevent sunlight and heat from coming in.

Troubleshooting

- The room has a peculiar odour.
 - This may be a damp smell emitted by the wall, carpet, furniture or clothing in the room.
- Air conditioner does not cool efficiently.
 - Ensure the temperature has been set correctly.
 - Ensure windows and doors have been closed properly.
 - Ensure filters are cleaned or replaced when necessary.
 - Ensure inlet and outlet vents of the unit have not been obstructed.

HOW TO OPERATE

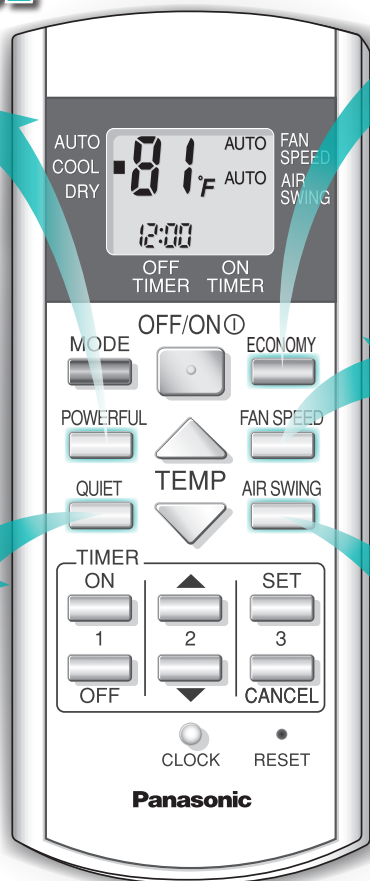
Powerful, Quiet, Economy, Fan Speed, Air Swing

POWERFUL

Enables powerful operation.

QUIET

Enables quiet operation.



ECONOMY

Enables economy operation.

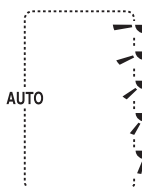
FAN SPEED

Select fan speed.



AIR SWING

Adjust the vertical airflow direction louver.



- Powerful, Quiet or Economy operations cannot be activated at the same time.
- Powerful, Quiet or Economy operations can be cancelled by pressing the respective button again.

Operation Details

POWERFUL

- To achieve setting temperature quickly. It will operate for 15 minutes and return to the previous setting.

QUIET

- To provide a quiet environment.

ECONOMY

- To save electrical power consumption.
- Use when desired room temperature is reached.

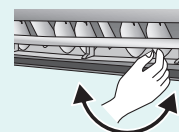
FAN SPEED

- To provide you with various fan speed selections.
- There are 3 levels of fan speed in addition to automatic fan speed.
- Automatic fan speed:

The speed of the indoor fan is automatically adjusted according to the operation.

AIR SWING

- To ventilate air in the room.
- There are 5 settings in addition to automatic vertical airflow direction.
- If automatic vertical airflow direction has been set, the louver swings up and down automatically.
- Please do not adjust the vertical airflow direction louver manually.
- Horizontal airflow direction louver can be adjusted manually.



Hints



- If you wish to have the cool air blowing directly on you, set the airflow direction downward but not for an excessive length of time, as it may harm your health.
- Electricity use can be reduced by approximately 10% if you set the temperature 1°F higher than the desired temperature during cooling operation.

Troubleshooting



- Indoor fan stops occasionally during Automatic Fan Speed setting.
 - This is an advanced feature that helps to remove smell from the surrounding area during operation.

■ Operation Details

TIMER

- Use the ON timer to turn on the air conditioner at the desired time. This will give you a cooled environment, e.g. when you return from work or wake up.
- When the ON timer is set, operation will start 15 minutes before the actual set time.
- Use the OFF timer to stop air conditioner operation at the desired time. This can save electricity while you are going out or sleeping.
- The set timer will repeat daily once it is set.
- If there is a power failure, you can press the SET button to restore the previous setting once the power resumes.
- If the timer is cancelled, you can restore the previous setting by pressing SET button.

HOW TO OPERATE

Timer

1

Select ON or OFF timer.

2

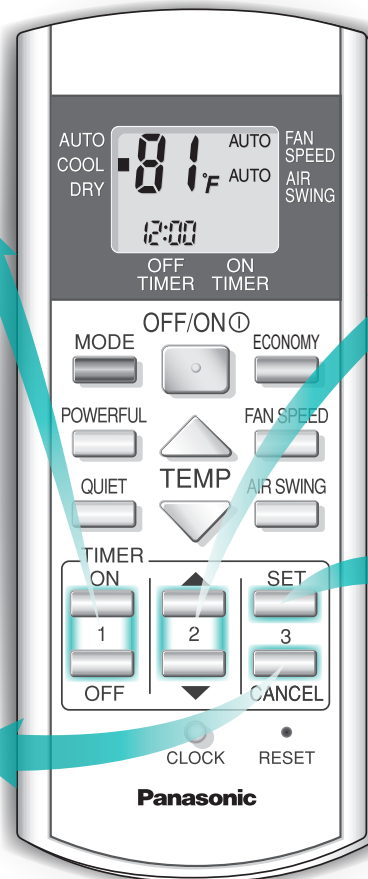
Set the desired time.




3

Confirm the setting.

CANCEL

Cancel the selected timer.



- Ensure the clock on the remote control has been set correctly.
- You can set both the ON and OFF timers at the same time.
- To cancel either the ON or OFF timer, press  or , then press .

Hints



- Press CLOCK button for more than 10 seconds to change the time format - from AM/PM format to 24 hour format.
- For your convenience, you can set the air conditioner to operate automatically by using both ON and OFF timer.

Troubleshooting



- TIMER indicator always on.
 - Timer is activated and the setting will repeat itself daily.
- POWER indicator is blinking 15 minutes before ON timer is activated.
 - The unit is determining the operation mode by sensing the room temperature. This happens when it has been set to AUTO operation mode.

CARE & CLEANING



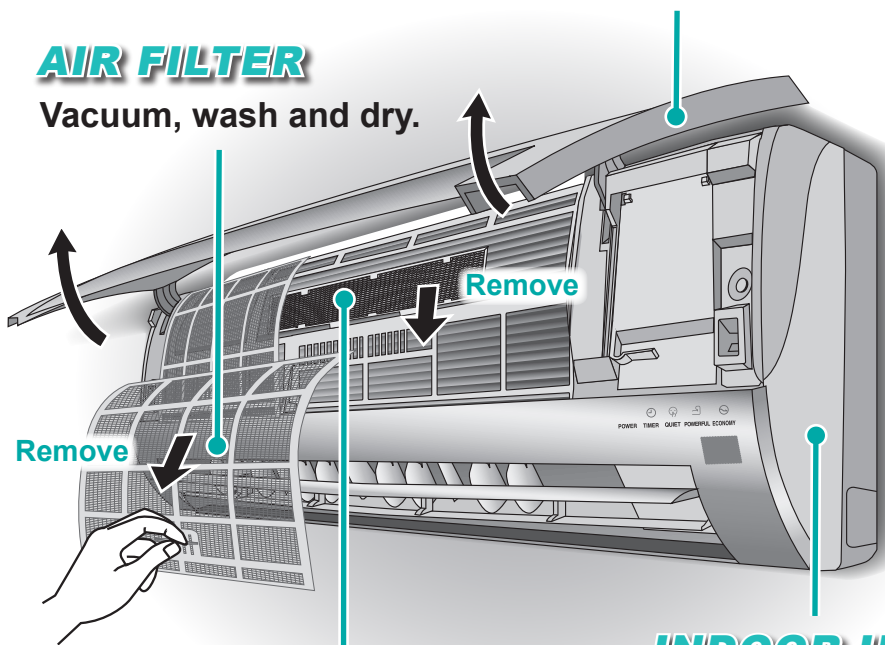
Switch off the power supply before cleaning

FRONT PANEL

Raise and pull to remove.
Wash and dry.

AIR FILTER

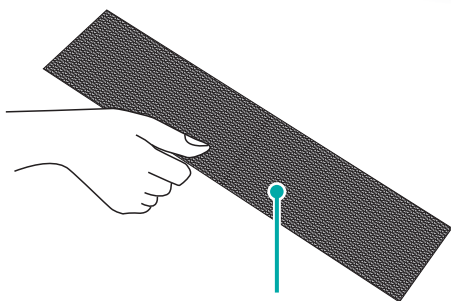
Vacuum, wash and dry.



AIR PURIFYING FILTER

INDOOR UNIT

Wipe gently.



Vacuum the Air Purifying filter.

Washing Instructions

- Do not use benzene, thinner or scouring powder.
- Use soaps or neutral household detergent (≈pH7) only.
- Do not use water warmer than 104°F.

INDOOR UNIT

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

AIR FILTER

- It is recommended that you clean the air filter once every 2 weeks.
- Purchase the replacement filter if it is damaged.
Part no.: CWD001144

AIR PURIFYING FILTER

- It is recommended to clean the filter every 6 months.
- Replace the filter every 3 years or purchase the replacement filter if it is damaged.
Part no.: CZ-SA20P

Pre-season Inspection

- This inspection is recommended before operating the air conditioner in every season.
- Check if the remote control batteries need to be replaced.
- Ensure there is no obstruction at all air intake and outlet vents.
- After the unit has been operating for 15 minutes, it is normal if the temperature difference between air intake and outlet vents at indoor unit is:

Operation	Temperature
Cooling	≥ 14°F

Hints



- Clean the filter regularly as dirty filters will cause unpurified air, low cooling capacity, unpleasant smells and higher energy consumption.
- The unit will become dirty and the performance of the unit will decrease after being used for several seasons. Please consult an authorized dealer to perform seasonal inspections in addition to regular cleaning.
- 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 switch off the power supply.

NON SERVICEABLE CRITERIAS

TURN OFF POWER SUPPLY and CALL Authorized Distributor under the following conditions:

- Abnormal noise during operation
- Water/foreign particles have entered the Remote Control
- Water leak from Indoor unit
- Circuit breaker switches off frequently
- Power cord becomes unnaturally warm
- Switches or buttons are not functioning properly



NO UTILICE LA UNIDAD SI

Si se dan las siguientes circunstancias, CORTE LA ALIMENTACIÓN y LLAME al distribuidor autorizado:

- Si escucha ruidos extraños durante el funcionamiento
- Si entra agua o elementos extraños en el mando a distancia
- Si hay escapes de agua de la unidad interior
- Si el interruptor del circuito salta frecuentemente
- El cable de alimentación se calienta de manera anormal
- Los interruptores o los botones no funcionan correctamente



Matsushita Electric Industrial Co., Ltd.

Web Site: <http://www.panasonic.co.jp/global/>

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