

Panasonic

ENGLISH
OPERATING INSTRUCTIONS

ROOM AIR CONDITIONER
CW-XV715JA/CW-XV915JA ACXF550090

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

Thank you for buying Panasonic Air Conditioner

1 SAFETY PRECAUTIONS

Please observe these following safety precautions when using your air conditioner.

- Failure or negligence in observing these safety precautions could cause fire, electrical shock or personal injury.

- WARNING** This sign warns of risk of death or serious injury.
- CAUTION** This sign warns of risk of injury or damage to property.
- This symbol (with a white background) denotes an action that is **PROHIBITED**.
- These symbols (with a green background) denote actions that are **COMPULSORY**.

INSTALLATION PRECAUTIONS

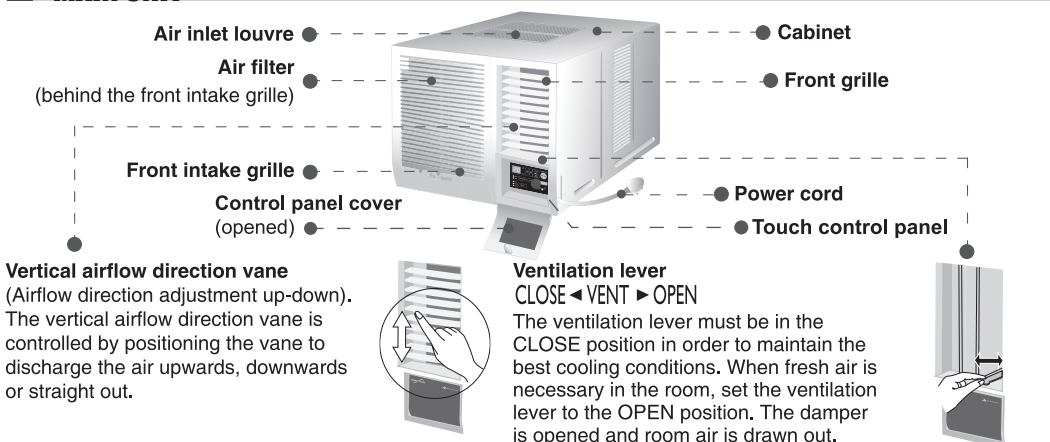
- WARNING** Do not install, remove and reinstall the unit yourself. Improper installation may cause leakage, electric shock or fire. Please engage an authorized dealer or specialist for the installation work. Do not add or replace refrigerant other than the specified type. It may cause product damage, burst and injury. 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.
- CAUTION** The room air conditioner must be earthed. Improper grounding could cause electric shock. Do not install the unit in a place where there are explosive gas leaks. Gas leaks near the unit could cause fire. Ensure that the drainage piping is connected properly. Otherwise, water will leak out.

OPERATION PRECAUTIONS

- WARNING** This sign warns of risk of death or serious injury.
 - Do not modify the length of the power cord or use an extension cord.
 - Do not touch or operate with wet hands.
 - Do not modify or damage the cord.
 - Do not turn on the unit by inserting the power plug. Do not switch off the unit by pulling out the power plug.
 - Avoid an extended period of direct airflow.
 - Do not insert your fingers or other objects into the unit, rotating parts may cause injury.
 - Do not try to repair the unit yourself.
 - Plug in properly before operating and use a specified power cord.
 - If abnormal conditions (burnt smell, etc.) occur, switch off and remove the power plug.
 - Confirm to authorized dealer or specialist on usage of specified refrigerant type. Using of refrigerant other than the specified may cause product damage, burst and injury etc.
 - 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.
- CAUTION** This sign warns of risk of injury or damage to property.
 - Do not use the unit for other purposes, than its intended use.
 - Do not remove the power plug by pulling the cord.
 - Do not block the air intake and outlet vanes.
 - Do not splash or direct water at the unit.
 - Do not expose the unit to direct sunlight during operation.
 - Do not operate the unit without the air filter installed or when the front intake grille has been removed.
 - Do not place any objects on the unit.
 - Do not operate any combustion equipment near the unit's airflow area.
 - 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.
 - Switch off the breaker and unplug the unit from the socket if the unit will not be operated for a long period.
 - Pay attention to any damages on the unit caused by extensive usage.
 - Ventilate the room occasionally where the unit is installed.
 - Unplug the power cord when cleaning the unit.

2 PART IDENTIFICATION

MAIN UNIT



Touch control panel

- TEMPERATURE/TIMER setting pad
- Display Panel (7-Segment LED Display)
- FAN SPEED selection pad
- MODE selection pad
- TIMER pad
- OPERATION OFF/ON pad
- Timer SET/CANCEL pad
- POWERFUL pad
- AIR SWING pad

TYPES OF SIGNAL SOUND - One long "Beep" and one short "Beep". (Sound from the main unit.)

ACCESSORIES

- Remote control
 - Two R03 dry-cell batteries
 - Drain pan
- Remote control**
- Signal Transmitter
 - OPERATION button
 - TIMER button
 - MODE selection button
 - AIR SWING button
 - TEMPERATURE/TIMER setting button
 - TIMER SET/CANCEL button
 - POWERFUL button
 - FAN SPEED selection button
- Be sure to observe the following:
- Aim remote control at control panel on air conditioner when operating.
 - Do not drop or throw the remote control.
 - Do not place the remote control in a location that is exposed to direct sunlight or next to a heating unit or other heat sources.
- Maximum distance : 10 m

3 PREPARATION BEFORE OPERATING

- WARNING** Ensure that the power plug is securely inserted. A loose plug may cause a fire or an electric shock.
- NOTES:**
- If the unit is not going to be used for an extended period of time, remove the power plug. Otherwise, approximately 2.5W of electricity will be used even if the unit has been turned off using the remote control.
 - If operation is stopped, and to be restarted immediately, the unit will resume operation only after 3 minutes.

HOW TO INSERT BATTERIES

- Open the cover.
 - Insert the two batteries.
 - Close the cover.
- CAUTION** Do not use rechargeable (Ni-Cd) batteries because such batteries differ from the standard dry cell batteries in shape, dimension and performance.

4 AIR CONDITIONER INSTALLATION

ABOUT THE BATTERIES

- The batteries can be used for approximately one year.
- Be sure to replace the batteries with two new identical batteries.
- Remove the batteries if the air conditioner will not be used for an extended period of time.

OPERATION CONDITIONS

Use the air conditioner under the following conditions:

- Operating temperature range.

Continuous operation at over 90% high humidity may create condensation and result in waterdrops on the intake and outlet vanes.

	Indoor side		Outdoor side	
	D.B.T.	W.B.T.	D.B.T.	W.B.T.
Max. Temperature	32	23	43	26
Min. Temperature	16	11	16	11

NOTE: Humidity may exceed 90% D.B.T.: Dry Bulb Temperature W.B.T.: Wet Bulb Temperature

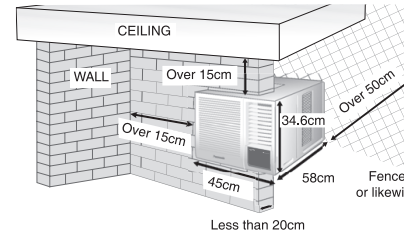
4 AIR CONDITIONER INSTALLATION

CHOOSING THE INSTALLATION LOCATION

- When installing, use the nearest power outlet. Make sure the power outlet is easy to reach so you can quickly disconnect your air conditioner in case of emergency.
- Ensure that the air conditioner is well supported, securely fastened, easily reachable and not obstructed.
- Avoid locations with: salty or sulphurous air, draughts, dampness and flammable gas.
- If you install the drainage system, be sure to channel the condensed water to a suitable location.
- Covers, obstructions and unsteady support may cause excessive operating noise and vibration.
- The rear end of the air conditioner is splash proof. You need not shield or cover it.

PREPARATIONS BEFORE INSTALLATION

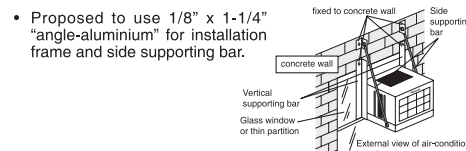
- Dimension**
- There should not be any obstacles surrounding the unit.
 - Prepare an installation hole slightly bigger than the cabinet size.
 - Left and right sides of the unit should be at least 15cm away from the wall.



CAUTION POINT DURING INSTALLATION

When installing air-conditioner at glass window or thin partition, fix the vertical & side supporting bar to the concrete wall in order to support the weight of the air-conditioner and reduce the vibration that is being transferred to the glass window or thin partition.

This can minimize the noise problem caused by improper installation.



INSTALLATION PROCEDURES

- Remove the rear cabinet screws and chassis locking bracket from the cabinet. Save for later use.
- Slide the chassis out from the cabinet.
- Place cabinet into the installation hole. Tilt down for better drainage (max. 10mm). Secure it with wood screws or nails.
- Before installation, please remove the Shipping Block at front side of unit and Shock absorber at the Compressor top, Accumulator and receiver. Filament tape fixed to the compressor and Copper tube, and also remove connecting bar. (refer to caution label)
- Slide the chassis into the cabinet.
- Lock the chassis to the cabinet reusing the chassis locking bracket.
- Depending upon the location of the AC outlet, route the AC cord to either the left or right side while installing the front grille.
- Attach the front grille to the cabinet and fasten it with a screw.
- Attach air filter to the front grille. (See anti-bacterial filter installation instructions included in this package)
- Insert hook of string in the hole provision of the intake grille. Slide the intake grille slightly to the right to reattach the tabs and then push it down to close tight. At about 90° position.

REMOVAL OF FRONT GRILLE

- Remove the front intake grille. Pull up the front intake grille about 90° and slide it slightly to the left to unhook the tabs. Unhook string for intake grille.
- Remove the front grille.
 - Remove the screw on the front grille.
 - At bottom right side of the front grille, press inward on cabinet near the power cord, and pull the grille outward to the right until right tab releases.
 - At the bottom left side, push inward on cabinet and pull the grille outward to the left to release the left tab. Do not pull the bottom edge toward you more than 3 inches to prevent the two top tabs from damage.
 - Slide the front grille upwards to loosen the two top tabs from slots at the top of the cabinet.
- Remove the air filter. Tilt up and pull out the air filter by the holder.

ELECTRIC WORK

- Always use at the rated voltage and with a specific air conditioning circuit.
- 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.
- A 16-Ampere time delay fuse or circuit breaker is required.
- Nominal cross sectional area of power supply wire must be 3 core x 1.5 mm² or above.
- The power supply must be from an independent circuit.
- All electrical installations must be made in accordance with local wiring and safety regulations wherever applicable.
- There must be a double pole switch with a minimum of 3.5 mm contact gap in the fixed installation circuit.
- Please engage an authorized dealer or specialist for the installation work.

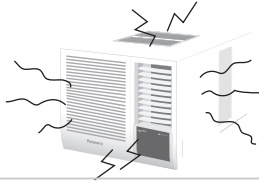
CONDENSED WATER DRAINAGE

This air conditioner employs a "Slinger-Up System" which is designed to splash the condensed water on the condenser coil for maximum cooling efficiency, thus producing a splashing sound. If the splashing sound annoys you, you can provide an outside drainage by using the following procedure which may, however, cause a small loss of performance.

- NOTE: If the unit is installed at coastal area, drainage of condensed water is recommended to prevent the condenser being corroded easily
- Remove the rubber plug and chassis locking bracket from the cabinet. Then slide the chassis out from the cabinet.
 - Install the drain pan. Install the drain pan at the right corner of the cabinet using 2 screws.
 - Connect a drain hose. Fit the drain hose to the drain pan. Underside view with drain pan and hose in place.
 - Slide the chassis back into the cabinet. Lock the chassis to the cabinet reusing the chassis locking bracket. Then reinstall the cabinet to the chassis.
- NOTE: Drain hose or tubing can be purchased locally to satisfy your particular needs.

NOISE CONSIDERATION

- Select an installation location that can support the weight of the air conditioner and one that will not cause increased operating noise and vibration.
- Ensure that airflow and noise from the rear side of the unit (outdoor) when installed do not disturb neighbouring residents.
- Obstacles placed in front of the air outlet on the rear side of the unit (outdoor), or covers placed over it will cause excessive noise and deterioration in performance.



TRANSFERRING

- Repositioning or transfer of the air conditioner due to renovation or moving requires an additional service charge. Please consult your dealer before moving.

5 AIR CONDITIONER OPERATION

OPERATING THE UNIT

OPERATION (OFF/ON) button

Start operation by pressing OPERATION. The operation will turn on and the display panel will light up. To stop the operation, press the OPERATION again. The unit will stop operating and the display panel light will turn off.

SETTING DISPLAY TEMPERATURE

TEMP/TIMER button

Press TEMP/TIMER ▲ or ▼ to set the display temperature. The temperature can be set between 16°C and 30°C. **Recommended temperature: 26°C ~ 28°C**

NOTES:

- The latest temperature setting will be memorized and will appear on the display the next time it's turned on.
- The display temperature selection is for display purpose only and does not indicate actual room setting temperatures. Your room temperature may not necessarily match the displayed temperature.

SELECTING OPERATION MODE

MODE button

Press MODE to select the desired operation. The indicator will light up and a "beep" sound will indicate changing setting.

COOL mode
To set room temperature to your preference of cooling comfort.

FAN mode
To provide air circulation without cooling the room. During Fan operation, temperature setting cannot be selected.

SLEEP mode
To provide energy saving and comfort during Sleep

SELECTING FAN SPEED

FAN SPEED button

Press FAN SPEED to choose the speed level of the fan. The indicator will light up and the "beep" sound will indicate changing setting.

NOTE:

- The latest fan speed setting will be memorized and the indicator will light up the next time the unit is turned on.

ADJUSTING HORIZONTAL AIRFLOW DIRECTION

AIR SWING button

Press to select AIR SWING. The air circulation will automatically move the vertical louvres left and right for better air distribution around the room.

NOTE:
Using your hands to adjust the direction may cause the louvres to malfunction. If this happens, stop operation immediately and restart.

NOTE:
Vertical adjustment of the airflow direction is done manually.

POWERFUL OPERATION

POWERFUL button

To obtain set temperature quickly:

- Press POWERFUL.
- To cancel this operation, press once more.
- After POWERFUL is selected, the operation will go on for 15 minutes, after that it will shift back to previous operation mode.

NOTE:
Sound emitted by the unit will be increased during POWERFUL operation due to increased of air volume.

Cooling	-3°C lower than set temperature (lowest limit 16°C)	Super High Fan Speed
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SETTING THE OFF TIMER

TIMER button

When the air conditioner in operation: Press the TIMER button. The SET/CANCEL indicator light will blink awaiting for setting. Press the TEMP/TIMER ▲ or ▼ button until the preferred hour of operation is reached. Press the SET/CANCEL button to complete the setting. At this time, the SET/CANCEL indicator light is steady instead of blinking.

NOTE:
The hour reading will change back to the set temperature reading after 5 seconds. (You can also revert to temperature setting immediately by pressing the TEMP/TIMER ▲ or ▼ buttons again.)

CHECK TIMER SETTING DURING OFF TIMER

TIMER button

Press the TIMER button to check the remaining programmed timer setting. The figure will be displayed for 5 seconds then will automatically switch back to temperature setting.

NOTE:
The timer figure will change according to the time remaining (if you set it to turn off 3 hours from now, the timer will show "2" at an hour later).

CANCEL OFF TIMER SETTING

SET/CANCEL button

Press the SET/CANCEL button to cancel the timer setting. The SET/CANCEL indicator light will turn off. However the temperature remains displayed.

SLEEP MODE SETTING

The air conditioner will gradually increase the temperature during sleeping time. When the set room temperature is reached, it will maintain the set temperature for an hour and will shift 1°C up. The 1°C up will be maintained for an hour and then will shift 1°C up for a total of 2°C. The 2°C up will be maintained until the set time is consumed and then the unit will turn off automatically.

NOTE: The automatic shift of temperature (Max 2°C) is not indicated on the display panel.

MODE button

Press MODE button to select Sleep mode. SLEEP LED lights on. SET LED blinking awaiting for confirmation. 7-SEGMENT LED DISPLAY show the last set duration time or the default time (8 hours) if the duration has not been set.

Note: If the TIMER button is pressed after selecting SLEEP, there will be no change or effect.

TEMP/TIMER button

NOTE: If no other operation is performed within 10 seconds, sleep mode will cancel out and automatically return to Cool mode. SET LED stops blinking and COOL LED lights on. 7-SEGMENT LED display will show the temperature display.

TEMP/TIMER button

Press TEMP/TIMER ▲ or ▼ to select the desired hour. (Range is 4 to 12 hours).

SET/CANCEL button

Press SET/CANCEL button to complete setting. SET LED stops blinking and lights on. Sleep mode is set.

SET/CANCEL button

NOTE: The hour display will change to temperature display 5 seconds after the SET/CANCEL button was pressed. Or press ▲ or ▼ buttons, the hour display will change to temperature immediately.

CHECK THE REMAINING HOUR DURING SLEEP OPERATION

TIMER button

Press the TIMER button to check the remaining hour of Sleep mode operation. The hour is displayed for 5 seconds then will automatically switch back to temperature display. If the set duration time is '7', it will display '6', one hour after Sleep mode starts to operate.

CANCEL SLEEP OPERATION

SET/CANCEL button

Press SET/CANCEL button. Sleep mode will cancel out and automatically return to Cool mode. SET LED and SLEEP LED lights off. COOL LED lights on. Or press MODE.

NOTE: After the unit stops from Sleep Mode operation or after the unit resumes operating after a brownout, it will automatically reset to Cool Mode at the time the unit was turned on.

SETTING THE ON TIMER

TIMER button

Press the TIMER button. The TIMER indicator light will blink to await for setting. Press the TEMP/TIMER ▲ or ▼ button until the desired hour for operation is reached. Press the SET/CANCEL button to complete the setting. At this time, the TIMER indicator light is steady instead of blinking.

The display will show the remaining hour to the start of the operation (if you set to turn on 3 hours from now, the timer will show "2" at an hour later).

When set time is reached, the air conditioner starts the operation under the previous setting mode and the TIMER indicator will light off. Now, the previous set mode and the fan speed will light up. Simultaneously, the display will show the setting temperature.

CHECK TEMPERATURE/MODE/FAN SPEED SETTING DURING ON TIMER

TIMER button

Press the TIMER button and the previous temperature setting will be shown. Simultaneously, MODE and FAN SPEED indicator will light up. This indication will last for 5 seconds, and then the display will show the remaining time. MODE and FAN SPEED indicator light will turn on.

CHANGE TEMPERATURE/MODE/FAN SPEED SETTING DURING ON TIMER

SET/CANCEL button

Press the SET/CANCEL button to cancel the timer setting. Press the OPERATION button to stop operation. Start the TIMER setting again by repeating the step from the "Setting the on timer" procedures.

NOTE: ON Timer will work only for COOL Mode and FAN Mode

CANCEL TIMER SETTING DURING ON TIMER

SET/CANCEL button

Press the SET/CANCEL button to cancel the timer setting. The SET/CANCEL indicator light will turn off. To operate the air conditioner before reaching the set timer:

- Press the SET/CANCEL to cancel the timer.
- Press the OPERATION button to turn on the unit.

6 HELPFUL INFORMATION & ENERGY SAVING HINTS

HELPFUL INFORMATION

Auto Restart Control

- Operation will automatically resume under the previous operation mode.
- If the unit was set to TIMER mode or SLEEP mode, operation will not resume automatically.

Timer Setting

- When power failure occurs, the timer setting is cancelled. Once power returns, reset the timer.

ENERGY SAVING HINTS

- Setting the temperature 1°C higher save 10% electricity costs.
- Clean the air filter every 2 weeks. Regular cleaning of the air filter preserves efficiency.
- Keeping openings closed keeps cool air in and hot air out.
- Avoid direct sunlight and heat.
- For health reasons do not overcool your room.
- Your air conditioner's cooling capacity should match your room size.

7 CARE AND MAINTENANCE

WARNING

Always turn off the air conditioner and the main power supply before cleaning the unit. Switch off the power supply if the unit is not going to be used for a long period of time.

- Clean the cabinet, front grille with a mild soap or detergent and lukewarm water.
- The front intake grille can be easily removed for cleaning purposes (refer to **Remove the front intake grille** procedures). Gently wash it with water and a sponge.
- The filter can be easily cleaned using a vacuum cleaner. Vacuum the front of the filter and then wash the rear with water. If it is badly soiled, wash with a mild household detergent.
- Do not clean with benzene, thinner, scouring powder or cloth soaked in caustic chemicals.
- If the unit is extremely dirty, heat transfer is less efficient and the unit may not cool effectively. Contact Shun Hing Electric Service Centre Ltd. for an annual check. (Annual check is not covered under warranty)
- If the air filter becomes clogged with dust, the cooling capacity will drop, and 6% of the electricity used to operate the air conditioner will be wasted.

NOTE: Do not dry the front panel or the air filter in direct sunlight. (Exposure to direct sunlight may discolour or deform the panel.)

PRE-SEASON INSPECTION

- Is the discharged air cold?
After 15 minutes of operation, it is normal for the temperature difference between intake and outlet air to be more than 8°C for cooling.
- Are the air intake and outlet vanes of the indoor and outdoor side obstructed?
- Are the remote control batteries weak?

RECOMMENDED INSPECTION

- Usage over several seasons will reduce performance as the unit becomes dirty. A dirty unit may produce foul odours and dust may clog the dehumidifying drainage. Seasonal inspection is recommended in addition to regular cleaning. Consult Shun Hing Electric Service Centre Ltd..

8 BEFORE CALLING FOR SERVICE

BEFORE

Check the following points before calling for repairs or service. If the malfunction persists, please contact Shun Hing Electric Service Centre Ltd..

Condition 1 If the unit is too noisy during operation.

- The following sounds are normal during operation:
- A low humming sound indicating that the unit is operating.
 - A soft clicking sound when the compressor turns on and off.
 - A flowing sound due to circulation of the refrigerant when the compressor is turned on.
 - A splashing sound indicating condensation in the condenser coil.

If you hear other noises, please consult Shun Hing Electric Service Centre Ltd..

Condition 2 If the unit does not operate.

- The main power cord is not plugged in.
- The main circuit breaker has tripped.
- Remote control batteries are weak.

Condition 3 If the unit does not cool properly.

- The room is too big for the unit's cooling capacity.
- The ventilation lever is set to OPEN.
- The air circulation is impeded by curtains or furniture.
- After 15 minutes of operation, it is normal for the temperature difference between intake and outlet air to be more than 8°C for cooling.

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.

Condition 4 If water drips off the rear of the unit.

- Humidity is high.
- Condensed water is overflowing.
- To rectify the problem, mount an optional drain pan to the unit.

Condition 5 If water drips inside the room.

- The unit is tilted inward. To rectify this, tilt the unit slightly outward.
- Mount the optional drain pan if you prefer.
- The drain pan may be blocked.

To call Shun Hing Electric Service Centre Ltd. IMMEDIATELY
Turn off the power and contact Shun Hing Electric Service Centre Ltd. as soon as any of the following events occur.

- The circuit breaker frequently trips or the fuse blows regularly.
- If water or foreign objects have accidentally entered the air conditioner.
- If there is abnormal sound during operation.

NOTE:

- The enclosure opposing the room side is splash proof (IPX4).
- Do not install this appliance in a laundry room or other locations where water may drip from the ceiling, etc.
- If the supply cord is damaged or need to be replaced, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.

Panasonic Corporation

Website: <http://www.panasonic.com>

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ACXF550090

Panasonic

中文
操作說明書

房式空調器
CW-XV715JA/CW-XV915JA ACXF550090



在操作空調器前，請細讀此操作說明，並保存此書以備日後參考。

1 安全注意事項

使用空調器時，請遵守以下的安全防範措施。

- 不遵循或忽視這些安全注意事項會導致火災、觸電或個人傷害。

警告 此標誌表示有可能導致死亡或重傷的嚴重後果。

小心 此標誌表示有可能導致傷害或物質損失事件的後果。

禁止事項 此標誌(白色底)表示禁止事項。

必須進行之事項 此標誌(黑色底)表示必須進行之事項。

安裝注意事項

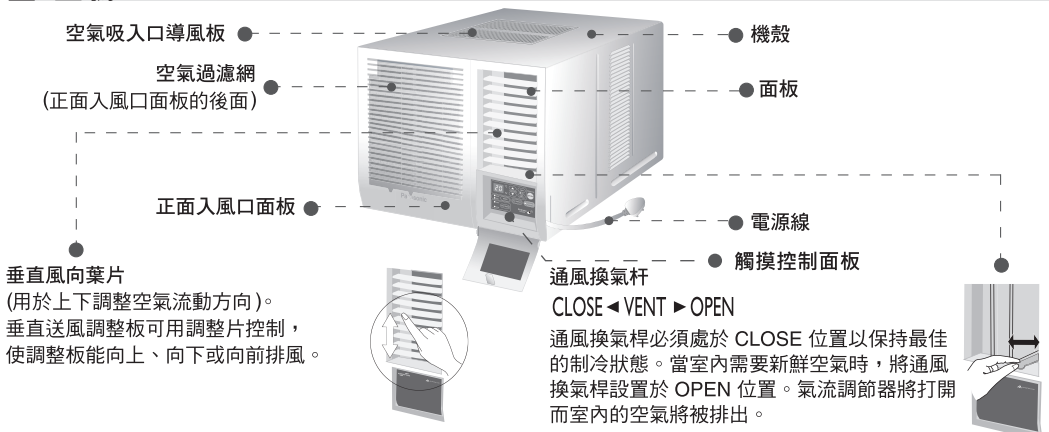
- 警告** 千萬別擅自安裝、拆除或重新安裝本機。不正確的安裝會導致漏電、觸電或火災。請聯絡授權代理商或維修技師進行安裝工作。不可添加或替換除指定類型以外的冷凍劑。這可能導致產品損壞、破裂及受傷事故等等。如果電線損壞，必須由製造商或其服務代理商或具有同等資格的合格人員進行更換，以免遭受危害。本空調器必須接駁地線。
- 小心** 不要善接駁地線將會引致觸電。千萬不要把本機安裝在可能洩漏爆炸性氣體之處。
- 空調器四周如有爆炸性氣體洩漏將有可能引起火災。
- 確保排水管已妥當接駁。
- 否則會引致漏水。

操作注意事項

- 警告** 此標誌表示有可能導致死亡或重傷的嚴重後果。
 - 不要修改電線的長度或使用延長器接駁電源。不可在手濕時操作本機。不可隨意修改或損壞電線。
 - 不要以插入插頭的方式來開啟本機。不要以拔除插頭的方式來關閉本機。
 - 不可長時間直接暴露於冷風之中。
 - 切勿把手指或其他物件插入機體以免受到旋轉部件傷害。
 - 不可自行修理本機。
 - 適當插入電源插頭及使用指定的電源電線。
 - 若出現異常現象(燒焦氣味等)，請關掉電源並拔出插頭。
 - 請向授權經銷商或專業人員確認指定製冷劑類型之運用。使用非指定製冷劑類型會導致產品損壞，爆裂並導致傷害等。
 - 此裝置不適合殘疾、感應不佳或智障、經驗與知識不足的人士(包括兒童)使用。除非負責其安全的監督人從旁監督或指示如何正確使用此裝置。務必監督兒童以確保他們不會玩弄本機。
- 小心** 此標誌表示有可能導致傷害或物質損失事件的後果。
 - 切勿將本機充作其它用途，僅限指定效用。
 - 切勿以拉扯方式來拔除電源插頭。
 - 切勿阻擋吸氣口及送風口。
 - 切勿用水噴射或直接清洗本機。
 - 本機操作時切勿讓它暴露於直射陽光下。
 - 切勿在沒有使用空氣過濾網，或當取下正面入風口面板時操作本機。
 - 切勿放置任何東西於本機上。
 - 切勿在本機的氣流去路使用燃燒器。
 - 切勿坐或踩踏在本機上以免意外摔跤。
 - 切勿觸摸尖銳的鋁散熱片以免受到尖銳部件傷害。
 - 如果長期不使用本機，請關掉斷路器並從插座拔下本機電源插頭。
 - 請多加注意因長期持續使用本機而引致的機件損耗。
 - 定時使裝有空調器的房間通風換氣。
 - 清洗本機前請拔下電源線。

2 各部份名稱

主機



觸摸控制面板

- TEMPERATURE/TIMER (溫度/定時器) 設置項
- 顯示面板
- FAN SPEED (風速) 選項
- MODE (模式) 選項
- TIMER (定時器) 項
- 操作 OFF/ON (關/開) 項
- 定時器 SET/CANCEL (設置/取消) 項
- POWERFUL (強勁) 項
- AIR SWING (風向擺動) 項

信號聲音的類型 — 一聲長“嗶”和一聲“嗶”。(聲音自主機發出。)

可配加附件

- 遙控器
- 兩個 R03 乾電池
- 排水盤

信號傳送器

OPERATION (操作) 鍵

TIMER (定時器) 鍵

MODE (模式) 選項鍵

AIR SWING (風向擺動) 鍵

TEMPERATURE/TIMER (溫度/定時器) 設置項

TIMER SET/CANCEL (定時器設置/取消) 鍵

POWERFUL (強勁) 鍵

FAN SPEED (風速) 選項鍵

請確保留意以下事項：

- 操作時對準房間空調器的信號接收器。
- 切勿掉落或丟棄遙控器。
- 切勿把遙控器放置在暴露於直射陽光處，或制暖裝置和其它熱源處。

● 最遠距離：10 米

3 操作前之準備工作

警告

確保已穩固地插入電插頭。電插頭若不穩固的插緊將可能會引致發生火災或觸電事件。

備註：

- 若長時期不使用本機，請拔出電插頭。否則，即使已用遙控器關閉主機，仍然會消耗大約 2.5 瓦的電力。
- 若操作停止，然後立刻重新啟動，主機只將在 3 分鐘後恢復操作。

如何裝置乾電池

- 打開電池蓋蓋。
- 裝入兩節電池。
- 關緊電池蓋蓋。

小心

勿使用可充電的電池，因其形狀、尺寸、性能均與乾電池不同。

關於電池

- 電池壽命約為一年。
- 確保使用同類型新品的乾電池來更換舊的乾電池。
- 空調器長期不使用時，請將遙控器中的電池取出。

操作狀況

在以下情況下使用空調器：

- 操作溫度範圍。

	室內		室外	
	D.B.T.	W.B.T.	D.B.T.	W.B.T.
最高溫度	32	23	43	26
最低溫度	16	11	16	11

備註：濕度可能超過 90%

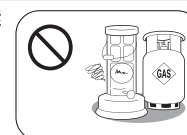
D.B.T.: 乾球溫度
W.B.T.: 濕球溫度

持續於超過 90% 的濕度運轉會導致吸入口和吹出口的葉片凝結水氣及滴水。

4 空調器的安裝

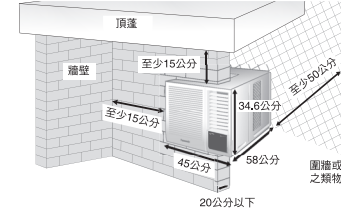
選擇最好的安裝位置

- 安裝時，請選擇一個最接近的電源插座。確保您容易取得電源插座，以便在緊急時您能快速斷開空調器的電源。
- 確保空調器有良好的支撐、穩固鎖緊、易於取得並不受阻礙。
- 避免安裝於下列場所：含鹽份或硫化氣體、通風口、潮濕及有易燃氣體之處。
- 安裝排水系統時，務必排通冷凝水到恰當之處。
- 蓋子、障礙物及不穩固的支座會導致過度的操作噪音及震盪。
- 空調器背面底部有防濺濕保護。您不必遮蓋這部份。



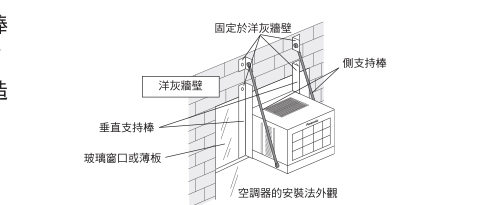
安裝之前的準備工作

- 尺寸**
- 沒有障礙物在空調器的四周圍。
 - 準備一個稍微大過機殼的安裝洞口。
 - 左右牆壁離開本機的距離至少 15 公分。



安裝時的注意事項

當安裝空調器於玻璃窗口或薄板時，垂直支持棒及側支持棒須固定於洋灰牆壁，以便空調器的重量能被洋灰牆壁支持。這可減少傳及玻璃窗口或薄板的震動，從而減少由安裝所造成的噪音問題。



- 安裝時，請使用 1/8" x 1-1/4" “鋁角”所製成的安裝框及側支持棒。

安裝之步驟

- 從機殼取出後機殼螺釘和底盤鎖定支架並保存以備日後使用。
- 把底架從機殼滑拉出來。
- 放置機殼在安裝洞內。
 - 向下傾斜以獲取更好的排水性能(最高10毫米)。
 - 用木螺釘或鐵釘牢固它。
- 請於安裝前、拆除機前、銅管旁、壓縮機旁及上部的避震器。同時也拆除纖維膠帶及連杆。(參考注意標籤)
- 將底架放回機殼。
- 用底盤鎖定支架將底盤緊固於機殼。
- 在安裝面板時，交流電線可以繞向左邊或右邊，視交流電源出口的位置而定。
- 安置面板於機殼並用螺釘擰緊。
- 安置空氣過濾網於面板。(請參閱此包裝內的抗菌濾塵網安裝說明)
- 將串鉤插入進氣網的洞孔。稍微將正面進氣網往右移以扣入阻片，然後向下按壓即可緊閉。

面板的拆卸

- 取下正面入風口面板。
 - 將正面入風口面板向上提起大約 90° 後稍微向左移以拆除垂片。
 - 將進氣網的串鉤解開。
- 取下空氣過濾網。
 - 稍微向上提起然後握著手柄把空氣過濾網取出。
- 取下面板。
 - 取出空氣濾塵網，然後取出前面的螺釘。
 - 在面板靠近電源軟線的右下角，壓緊機殼側，同時向前拉右以釋放右邊的阻片。
 - 在左下角，壓緊機殼側，同時將面板角部向前拉左以釋放左邊的阻片。不要向面板下邊拉超過三寸以免損壞阻片。
 - 從機殼頂部向上拉面板，釋放機殼頂部的兩個阻片。

電力裝置

- 請務必使用額定電壓和指定空調器電路圖。
- 本設備必須接地和安裝 ELCB 或殘餘電流裝置 (RCD)。否則在故障的情況下它可能會導致電擊或火患。
- 需要一個=NS 安培的時間延遲保險絲或斷路器。
- 電源供應的電線地區分界額必須是 3 芯 x 1.5 平方毫米或更大。
- 電源必須來自一個獨立電路。
- 所有電機安裝工作都必須符合當地的電線和安全條例。
- 在固定安裝電路上必須設有一個接觸間隔不少於 3.5 毫米的雙極開關。
- 請諮詢代理商有關於安裝的必要條件。

冷凝器排水系統

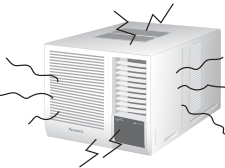
本機採用將冷凝水噴灑在冷凝器上的設計，以取得最佳的制冷效能。這種方法稱為“甩擲系統”。如果噴灑的聲音令您覺得討厭，您可以採用以下方法進行室外排水，不過這會導致性能稍微降低。

備註：若安裝本機於海邊，我們建議您設置冷凝器排水系統以免冷凝器被快速腐蝕。

- 將底盤的橡膠塞子取走和拆除底盤鎖定支架。
 - 接著，把底架從機殼滑拉出來。
 - 安裝排水盤。
 - 用兩個螺釘將排水盤安裝於機殼的右角。
 - 安裝排水管。將排水管固定於排水盤。
 - 外部視圖
 - 底部視圖有安裝就位的排水盤及水喉。
 - 將底架放回機殼。然後用底盤鎖定支架將底盤緊固於機殼。重新安裝機殼於底盤。
 - 內部視圖
 - 螺釘排水盤
 - 順時針方向
- 備註：您可按照個人所須在當地購買排水管或水喉。

■ 噪音問題

- 應該選擇一個能承受空調器重量而又不引起太多操作噪音和震動的安裝地點。
- 在安裝時應該確保本機後部（室外）的空氣流動和噪音不會對鄰居造成不便。
- 本機後部（室外）的空氣出口處如果有障礙物，或被物體蓋住，就會引起過度噪音和影響空調器性能。



■ 搬運

- 如果由於裝修或搬運至其他地點而需要重新擺放空調器，這些拆卸和重新安裝的工作都必須支付額外的服務費，在搬運之前請先詢問代理商。

5 空調器的操作

■ 操作本機

按 OPERATION 以啟動操作。操作將啟動，顯示面板則亮起。再按一次 OPERATION 以停止操作。主機將停止操作，顯示面板則熄滅。

■ 設置顯示溫度

按 TEMP/TIMER ▲ 或 ▼ 以設置顯示溫度。溫度可被設於 16°C 及 30°C 之間。建議溫度：26°C ~ 28°C

顯示將按照設置更換。

備註：

- 最新的溫度設置將被儲存，並且在下次您打開本機時出現於顯示屏上。
- 顯示溫度選項僅作為顯示用途而已，並且不會顯示實際的室內設置。您室內的溫度並不需要和顯示溫度相稱。

■ 選擇操作模式

按 MODE 以選擇所要的操作。指示燈將亮起，“嗶”聲則顯示更換設置。

COOL（制冷）模式
將室溫設定至您所要的舒適制冷。

FAN（送風）模式
在不冷卻室內的情況下開啟空氣循環。在送風運轉時，溫度設置將無法被選取。

睡眠模式
提供睡眠時的節省能源和舒適性。

■ 選擇風速

按 FAN SPEED 以選擇送風的風速水平。指示燈將亮起，“嗶”聲則顯示更換設置。

備註：

- 最新的風速設置將被儲存，並且在下次您打開本機時出現於顯示屏上。

■ 調節水平風向

按下以選擇 AIR SWING。空氣循環將自動地左右擺動水平導風板以更為均衡地散佈室內氣流。

備註：

- 用手來調節風向可能會致使導風板失靈。遇此情況時，請立刻停止操作並重新啟動本機。

備註：

- 風向的垂直調節是以手動來進行。

垂直導風板

■ POWERFUL（強勁）運轉

要迅速獲取設置溫度時：

- 按 POWERFUL。
- 要取消此操作時，再按一次該鍵。
- 選取 POWERFUL 之後，運轉將繼續啟動 15 分鐘，之後它會轉換回之前的運轉模式。

備註：

- 在 POWERFUL 模式時，因為氣流量的增加將導致本機發出更多噪音。

制冷	低於室溫 -3°C（最低局限為 16°C）	超高風速
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■ 設置開機定時器

當空調器處於操作狀態時：

按 TIMER 鍵。

SET/CANCEL 指示燈將閃爍表示必須輸入設置。

按 TEMP/TIMER ▲ 或 ▼ 鍵直至到達所要的小時操作。

按 SET/CANCEL 以完成設置。此時，SET/CANCEL 指示燈將亮著而非閃爍。

備註：

- 在 10 秒鐘後小時讀取將轉換回設置溫度讀取。（您也可以再按 TEMP/TIMER ▲ 或 ▼ 鍵以立刻回復至溫度設置。）

■ 在開機定時器時檢查定時器設置

按 TIMER 鍵以檢查剩餘的編程定時器設置。數字將會顯示 5 秒鐘，然後自動地轉換回溫度設置。

備註：

- 定時器的數字將按照剩餘時間轉換（若您將它設定為從現在起的 3 個小時後關閉，當您在一個小時後檢查定時器時定時器將顯示“2”）。

■ 在開機定時器時取消定時器設置

按 SET/CANCEL 鍵以取消定時器設置。SET/CANCEL 指示燈將熄滅。然而，溫度仍舊顯示。

■ 睡眠模式設置

在睡眠時間裏，空調器將逐漸增加溫度。當溫度達到設定的室溫時，它將保持在設定的溫度一個小時，然後才上調 1°C。在上調的 1°C 溫度下保持另一個小時，然後再上調 1°C，總共為 2°C。本機將維持在上調的 2°C 室溫下，直到設定的時間完成，然後自動關室溫（最大 2°C）的自動轉換不會表明在顯示面板上。

按 MODE（模式）按鈕以選擇睡眠模式。SLEEP LED 燈亮起。SET LED 燈閃爍等確。7 段 LED 顯示屏顯示上一次所設定的時間，若沒有設定時間，它將顯示默認時間（8 小時）。

備註：如果在選擇 SLEEP（睡眠）後按下 TIMER（定時器）按鈕，將不會有任何變動或

備註：如果在 10 秒之內沒有執行任何其他操作，睡眠模式將取消並自動返回 COOL（製冷）模式。SET LED 燈停止閃爍，COOL LED 燈將亮起。7 段 LED 顯示屏將出現溫度顯示。

按 TEMP/TIMER（溫度/定時器）▲ 或 ▼ 以選擇所需的時間。（範圍在 4 至 12 小時）。

按 SET/CANCEL（設置/取消）按鈕以完成設置。SET LED 燈停止閃爍並亮起。睡眠模式已被設定。

備註：在 SET/CANCEL（設置/取消）按鈕被按下的 5 秒後，時間顯示將轉換為溫度顯示。或按 ▲ 或 ▼ 鍵，時間顯示將立刻轉換為溫度顯示。

■ 在睡眠操作時檢查剩餘時間

按 TIMER（定時器）按鈕以檢查剩餘的睡眠操作時間。時間將會顯示 5 秒，然後自動地換回溫度顯示。如果設定時間為 7，在睡眠模式操作 1 小時後，它將顯示“6”。

■ 取消睡眠操作

按 SET/CANCEL（設置/取消）或 MODE（模式）按鈕。睡眠模式將取消並自動返回 COOL（製冷）模式。SET LED 和 SLEEP LED 燈將熄滅。COOL LED 燈亮起。

備註：當本機從睡眠模式操作停止後，或斷電後恢復操作時，它將自動設置為 COOL（製冷）模式。

■ 設置開機定時器

按 TIMER 鍵。TIMER 指示燈將閃爍以等待設置。

按 TEMP/TIMER ▲ 或 ▼ 鍵直至達到供操作的要小時數。

按 SET/CANCEL 鍵以完成設置。此時，TIMER 指示燈將變得穩定而不再閃爍。顯示屏將於操作啟動後顯示剩餘小時（若從現在起您設置以啟動 3 小時，定時器將於 1 小時後顯示“2”）。

當達到設置時間時，空調器將開始操作於之前的設置模式而 TIMER 指示燈將熄滅。此時，之前的設置模式及風量將亮起。同時，顯示屏將顯示設置溫度。

■ 在開機定時器時檢查定時器溫度 / 模式 / 風量設置

按下 TIMER（定時器）按鈕會顯示先前的溫度設定。同時 MODE（模式）及 FAN SPEED（風量）指示燈將會亮起。此顯示會持續 5 秒，然後顯示屏會顯示剩餘時間。MODE（模式）及 FAN SPEED（風量）指示燈將會亮。

■ 在開機定時器時更改定時器溫度 / 模式 / 風量設置

按 SET/CANCEL 鍵以取消定時器設置。

按 OPERATION 鍵。設置理想的模式和風扇速度。然後再按 OPERATION 鍵以停止操作。重復“設置開機定時器”程序的步驟以再次開始 TIMER 設置。

■ 在開機定時器時取消定時器設置

按 SET/CANCEL 鍵以取消定時器設置。SET/CANCEL 指示燈將熄滅。要在達到設置定時器以前操作空調器時：

- 按 SET/CANCEL 以取消定時器。
- 按 OPERATION 鍵以打開本機。

6 有益訊息和節省能源提示

■ 有益訊息

自動重新啟動控制

- 操作將自動恢復於之前的操作模式。
- 如果空調器被設定為 TIMER 模式，操作將不會自動恢復。

定時器設置

- 發生電流中斷時，定時器設置將被取消。恢復電源後，請重設定定時器。

■ 節省能源提示

- 設定溫度高於實際所要室溫的 1°C。這可節省大約 10% 的電費。
- 每兩個星期清洗空氣過濾網一次。定期清洗濾塵網將保持其效能。
- 保持通風口關閉使冷氣進入及熱氣吹出。
- 避免直射日光和熱源。
- 基於健康理由，請勿使您的房間過冷。
- 您空調器的制冷能量必須與您的房間大小配合。

7 保養及維修

警告 要拔出電插頭以清洗本機之前切記先關掉空調器和切斷電源。若長時間不使用本機，請關閉電源。

- 用溫和的肥皂或清潔劑配合溫水來清洗機殼和面板。
- 您可輕易地拆卸正面入風口面板以進行清洗工作（請參考取下正面入風口面板步驟）。小心用水和海棉清洗。
- 可使用吸塵器輕易清潔過濾網。抽吸過濾網正面的塵埃並用水清洗其背部。若過於骯髒，請使用溫和家用清潔劑來清洗。
- 切勿使用苯劑、稀釋劑、漂白劑或用沾有腐蝕性化學劑的布料來清洗本機。
- 若主機極度骯髒，散熱功能將減退，而主機可能無法發揮有效的制冷運轉。請諮詢信興電器服務中心有限公司以進行每年定期檢查。（每年檢查不受保於保修服務）
- 若空氣過濾網累積塵埃，制冷效能將減退，亦浪費大約 6% 用於操作空調器的電力。

備註：切勿將面板或空氣過濾網直接放在太陽底下曬乾。（這將造成褪色或歪曲。）

■ 換季前檢查

- 吹出空氣是否涼爽？
- 開始操作的 15 分鐘內，空氣吸入口及吹出口溫度差距多過 8°C 是正常的。
- 室內或室外機空氣吸入口和吹出口是否受阻？
- 遙控器的電池是否已耗盡？

■ 檢查建議

- 使用超過數季後主機將變懶而減低其效能。視運轉狀況而定，骯髒的主機可能散發異味，而塵埃將阻塞抽濕系統。除了定期清洗之外，我們也建議每季檢查。請諮詢信興電器服務中心有限公司。

8 要求維修服務之前

之前 在要求維修或服務之前，請先檢查下列各點。如果依然無法排除故障，請洽詢信興電器服務中心有限公司。

狀況 1 若主機在運轉當中過於吵鬧。

- 正常運轉當中可能檢測到以下聲音：
 - 低弱嘯聲表示主機正在運轉。
 - 當壓縮機開關時發出柔和卡嗒聲。
 - 當壓縮機開動時因為冷媒循環而發出類似流水聲。
 - 噴灑聲表示冷凝器正在冷凝。
- 若您聽到上述以外的噪聲時，請諮詢信興電器服務中心有限公司。

狀況 2 若主機無法操作。

- 沒有插入主電源線。
- 主電流斷路器跳擊。
- 遙控器的電池已耗盡。

狀況 3 若主機無法正常制冷。

- 房間太大以供主機的制冷效能。
- 通風換氣桿設定於 OPEN（開啟）。
- 窗簾或家具防礙空氣循環。
- 開始操作的 15 分鐘內，空氣吸入口及吹出口溫度差距多過 8°C 是正常的。

關於用戶回收與表蓋設置及電池的信息

【非歐共體國家的處理信息】
這些符號僅有效於歐洲共同體。如果您要去這些物件，請諮詢您的當地政府或經銷商查詢正確的五種方式。

電池符號的注意事項（底部兩個符號舉例）：
此符號可與化學符號綜合使用。在此情況下，它須符合制定給化學品的使用條件。

狀況 4 若主機後部滴水。

- 濕度略高。
- 凝結的水溢出。
- 要糾正問題時，請附置排水盤於主機。

狀況 5 若房內滴水。

- 主機可能向內傾斜。請稍微向外調整以糾正傾斜。
- 可視個人所須裝上排水盤。
- 排水盤可能受阻。

立即洽詢信興電器服務中心

有下列任何事件發生時，請立即關掉電源並洽詢信興電器服務中心。

- 斷路器經常跳擊或保險絲經常燒斷。
- 如果不小心讓水或異物進入空調器。
- 運行時有不正常的聲音。

備註：

1. 相對於室內一側的封閉件為防濺結構（IPX4）。
2. 不可將本機安裝在洗衣房或天花板漏水的地方等等。
3. 若電線已損壞或需要替換，它必須由製造廠家或服務代理商或擁有同等資格的人員進行替換以避免發生危害性事故。

Panasonic Corporation
Website: <http://www.panasonic.com>

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