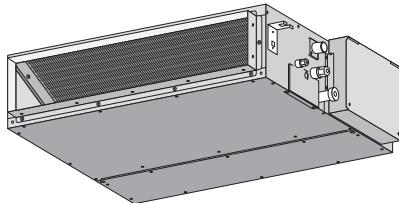




Operating Instructions Air Conditioner



Model No.

Indoor Unit

Indoor Unit	Outdoor Unit Single Split
CS-Z25CD3EAW	CU-Z25CBEA
CS-Z35CD3EAW	CU-Z35CBEA
CS-Z50CD3EAW	CU-Z50CBEA
CS-Z60CD3EAW	CU-Z60CBEA
CS-MZ20CD3EA	

*Multi Split
CU-2Z35CBE
CU-2Z41CBE
CU-2Z50CBE
CU-3Z52CBE
CU-3Z68CBE
CU-4Z68CBE
CU-4Z80CBE
CU-5Z90CBE
CU-4WZ90CBE5

ENGLISH

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

Before installation, the installer must:

Read the Installation Instructions, then request the customer keep them for future reference.

Remove the remote control packed with the indoor unit.

* Kindly consult authorised dealer for connectivity validity.



WEB-ACXF55-35320-EN

Thank you for purchasing Panasonic Air Conditioner.

Before installation, the installer must:

Read the Installation Instructions, then request the customer keep them for future reference. Remove the remote control packed with the indoor unit.

Flexibility to connect Single Split System or Multi Split System Air Conditioner to suit your needs.

For complete product features, please refer to catalogue.

Accessories

- Remote control
- Remote control cable
- Screws for remote control
- M4 machine pitched × 3 and M4 self tapping × 3

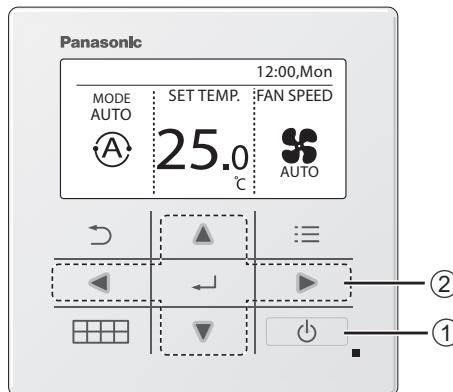
The illustrations in this manual are for explanation purposes only and may differ from the actual unit. They are subject to change without notice.

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Quick Guide

Basic operation



- ① Press to start/stop the operation.
- ② Press to select either mode, set temperature or fan speed section.
 - Use or to select setting.
 - Press to confirm the selection.

Mode section

Default setting for Mode is AUTO.



Set temperature section

Selection range:

16.0 °C ~ 30.0 °C / 60 °F ~ 86 °F.

- Not available during Fan Mode.

Fan speed section

- When FAN AUTO is selected, the fan speed is adjusted automatically according to the operation mode.
- Select the lowest fan speed to have a low noise operation.



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:

This appliance is not intended for accessibility by the general public.



WARNING

This sign warns of death or serious injury.



CAUTION

This sign warns of injury or damage to property.

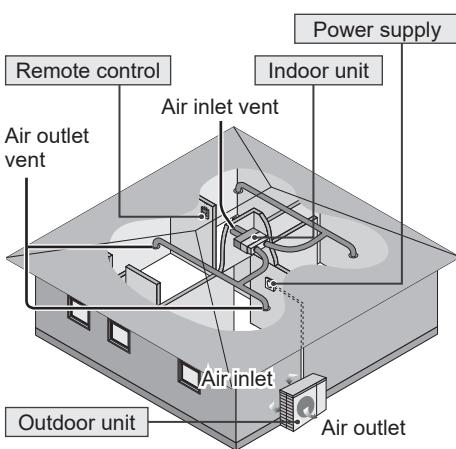
The instructions to be followed are classified by the following symbols:



This symbol denotes an action that is PROHIBITED.



These symbols denote actions COMPULSORY.



WARNING

Indoor unit and outdoor unit



This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Please consult authorised dealer or specialist to clean the internal parts, repair, install, remove, disassemble 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 use means to accelerate the defrosting process or to clean, other than those recommended by manufacturer.

Any unfit method or using incompatible material may cause product damage, burst and serious injury.

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.
- Do not operate or stop the unit by inserting or pulling out the power plug.



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.

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 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 and unplug:

- 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, benzine, 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 operation, it may lead to inefficient power usage and uncomfortable temperature changes.



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.



- Before cleaning or servicing,
- When extended non-use, or
- During abnormally strong lightning activity.

Safety Precautions

Power supply



Do not disconnect the plug by pulling the cord to prevent electric shock.



WARNING



A2L

This appliance is filled with R32
(mildly flammable refrigerant).

If the refrigerant is leaked and exposed to an external ignition source, there is a possibility of ignition.

Indoor unit and outdoor unit



The appliance shall be installed, and/or operated in a room with floor area larger than A_{min} (m^2) and keep away from ignition sources, such as heat/ sparks/open flame or hazardous areas such as gas appliances, gas cooking, reticulated gas supply systems or electric cooking appliances, etc. (Refer to Table A of Installation instructions table for A_{min} (m^2))

Be aware that refrigerant might not contain an odour, highly recommended to ensure suitable flammable refrigerant gas detectors are present, operating and able to warn of a leak.

Keep any required ventilation openings clear of obstruction.



Do not pierce or burn as the appliance is pressurized. Do not expose the appliance to heat, flame, sparks, or other sources of ignition. Else it may explode and cause injury or death.

Precaution for using R32 refrigerant

The basic installation work procedures are the same as conventional refrigerant (R410A, R22) models.



Since the working pressure is higher than that of refrigerant R22 models, some of the piping and installation and service tools are special. Especially, when replacing a refrigerant R22 model with a new refrigerant R32 model, always replace the conventional piping and flare nuts with the R32 and R410A piping and flare nuts on the outdoor unit side.

For R32 and R410A, the same flare nut on the outdoor unit side and pipe can be used.

The mixing of different refrigerants within a system is prohibited. Models that use refrigerant R32 and R410A have a different charging port thread diameter to prevent erroneous charging with refrigerant R22 and for safety.

Therefore, check beforehand. [The charging port thread diameter for R32 and R410A is 1/2 inch.]

Must always ensure that foreign matter (oil, water, etc.) does not enter the piping. Also, when storing the piping, securely seal the opening by pinching, taping, etc. (Handling of R32 is similar to R410A.)

- Operation, maintenance, repairing and refrigerant recovery should be carried out by trained and certified personnel in the use of flammable refrigerants and as recommended by the manufacturer. Any personnel conducting an operation, servicing or maintenance on a system or associated parts of the equipment should be trained and certified.
- Any part of refrigerating circuit (evaporators, air coolers, AHU, condensers or liquid receivers) or piping should not be located in the proximity of heat sources, open flames, operating gas appliance or an operating electric heater.
- The user/owner or their authorised representative shall regularly check the alarms, mechanical ventilation and detectors, at least once a year, where as required by national regulations, to ensure their correct functioning.



- A logbook shall be maintained. The results of these checks shall be recorded in the logbook.
- In case of ventilations in occupied spaces shall be checked to confirm no obstruction.
- Before a new refrigerating system is put into service, the person responsible for placing the system in operation should ensure that trained and certified operating personnel are instructed on the basis of the instruction manual about the construction, supervision, operation and maintenance of the refrigerating system, as well as the safety measures to be observed, and the properties and handling of the refrigerant used.
- The general requirement of trained and certified personnel are indicated as below:
 - a) Knowledge of legislation, regulations and standards relating to flammable refrigerants; and,
 - b) Detailed knowledge of and skills in handling flammable refrigerants, personal protective equipment, refrigerant leakage prevention, handling of cylinders, charging, leak detection, recovery and disposal; and,
 - c) Able to understand and to apply in practice the requirements in the national legislation, regulations and Standards; and,
 - d) Continuously undergo regular and further training to maintain this expertise.
 - e) Air-conditioner piping in the occupied space shall be installed in such a way to protect against accidental damage in operation and service.
 - f) Precautions shall be taken to avoid excessive vibration or pulsation to refrigerating piping.
 - g) Ensure protection devices, refrigerating piping and fittings are well protected against adverse environmental effects (such as the danger of water collecting and freezing in relief pipes or the accumulation of dirt and debris).
 - h) Expansion and contraction of long runs piping in refrigerating systems shall be designed and installed securely (mounted and guarded) to minimize the likelihood hydraulic shock damaging the system.
 - i) Protect the refrigerating system from accidental rupture due to moving furniture or reconstruction activities.
 - j) To ensure no leaking, field-made refrigerant joints indoors shall be tightness tested. The test method shall have a sensitivity of 5 grams per year of refrigerant or better under a pressure of at least 0.25 times the maximum allowable pressure. No leak shall be detected.



1. Installation (Space)

- Product with flammable refrigerants, shall be installed according to the minimum room area, A_{min} (m^2) mentioned in Table A of the Installation Instructions.
- In case of field charge, the effect on refrigerant charge caused by the different pipe length has to be quantified, measured and labelled.
- Must ensure the installation of pipe-work shall be kept to a minimum. Avoid use dented pipe and do not allow acute bending.
- Must ensure that pipe-work shall be securely mounted and guarded from physical damage.
- Must comply with national gas regulations, state municipal rules and legislation. Notify relevant authorities in accordance with all applicable regulations.
- Must ensure mechanical connections be accessible for maintenance purposes.
- In cases that require mechanical ventilation, ventilation openings shall be kept clear of obstruction.
- When disposal of the product, do follow to the precautions in #11 and comply with national regulations.

Always contact to local municipal offices for proper handling.

Safety Precautions

2. Servicing

2-1. Service personnel

- The system is inspected, regularly supervised and maintained by a trained and certified service personnel who is employed by the person user or party responsible.
- Ensure the actual refrigerant charge is in accordance with the room size within which the refrigerant containing parts are installed.
- Ensure refrigerant charge not to leak.
- Any qualified person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorizes their competence to handle refrigerants safely in accordance with an industry recognised assessment specification.
- Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.
- Servicing shall be performed only as recommended by the manufacturer.

2-2. Work

- Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimised. For repair to the refrigerating system, the precautions in #2-2 to #2-8 must be followed before conducting work on the system.
- Work shall be undertaken under a controlled procedure so as to minimize the risk of a flammable gas or vapour being present while the work is being performed.
- All maintenance staff and others working in the local area shall be instructed and supervised on the nature of work being carried out.
- Avoid working in confined spaces. Always ensure away from source, at least 2 meter of safety distance, or zoning of free space area of at least 2 meter in radius.
- Wear appropriate protective equipment, including respiratory protection, as conditions warrant.
- Keep all sources of ignition and hot metal surfaces away.

2-3. Checking for presence of refrigerant

- The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres.
- Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. non sparking, adequately sealed or intrinsically safe.
- In case of leakage/spillage happened, immediately ventilate area and stay upwind and away from spill/release.
- In case of leakage/spillage happened, do notify persons down wind of the leaking/spill, isolate immediate hazard area and keep unauthorised personnel out.

2-4. Presence of fire extinguisher

- If any hot work is to be conducted on the refrigerating equipment or any associated parts, appropriate fire extinguishing equipment shall be available at hand.
- Have a dry powder or CO₂ fire extinguisher adjacent to the charging area.

2-5. No ignition sources

- No person carrying out work in relation to a refrigerating system which involves exposing any pipe work that contains or has contained flammable refrigerant shall use any sources of ignition in such a manner that it can lead to the risk of fire or explosion. They must not be smoking when carrying out such work.
- All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which flammable refrigerant can possibly be released to the surrounding space.
- Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks.
- "No Smoking" signs shall be displayed.



2-6. Ventilated area

- Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work.
- A degree of ventilation shall continue during the period that the work is carried out.
- The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.



2-7. Checks to the refrigerating equipment

- Where electrical components are being changed, they shall be fit for the purpose and to the correct specification.
- At all times the manufacturer's maintenance and service guidelines shall be followed.
- If in doubt consult the manufacturer's technical department for assistance.
- The following checks shall be applied to installations using flammable refrigerants.
 - The refrigerant charge is in accordance with the room size within which the refrigerant containing parts are installed.
 - The ventilation machinery and outlets are operating adequately and are not obstructed.
 - If an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant.
 - Marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected.
 - Refrigerating pipe or components are installed in a position where they are unlikely to be exposed to any substance which can corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are properly protected against being so corroded.



2-8. Checks to electrical devices

- Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures.
- Initial safety checks shall include but not limit to:
 - That capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking.
 - That no live electrical components and wiring are exposed while charging, recovering or purging the system.
 - That there is continuity of earth bonding.
- At all times the manufacturer's maintenance and service guidelines shall be followed.
- If in doubt consult the manufacturer's technical department for assistance.
- If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with.
- If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used.
- The owner of the equipment must be informed or reported so all parties are advised thereafter.

Safety Precautions



3. Sealed electrical components

- Sealed electrical components shall not be repaired.



4. Cabling

- Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects.
- The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.



5. Detection of flammable refrigerants

- Under no circumstances shall potential sources of ignition be used in the searching or detection of refrigerant leaks.
- A halide torch (or any other detector using a naked flame) shall not be used.



6. The following leak detection methods are deemed acceptable for all refrigerant systems

- No leaks shall be detected using detection equipment with sensitivity to detect leakage of 5g/ year of refrigerant or better under a pressure of at least 0.25 times the maximum allowable pressure, for example, a universal sniffer.
- Electronic leak detectors may be used to detect flammable refrigerants, but the sensitivity can be inadequate, or can need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.)
- Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used.
- Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed and the appropriate percentage of gas (25 % maximum) is confirmed.
- Leak detection fluids are also suitable for use with most refrigerants, for example, bubble method and fluorescent agent method. The use of detergents containing chlorine shall be avoided as the chlorine can react with the refrigerant and corrode the copper pipe-work.
- If a leak is suspected, all naked flames shall be removed/extinguished.
- If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. The precautions in #7 must be followed to remove the refrigerant.



7. Refrigerant removal and circuit evacuation

- When breaking into the refrigerant circuit to make repairs – or for any other purpose – conventional procedures shall be used. However, it is important that best practice is followed since flammability is a consideration. The following procedure shall be adhered to:
 - safely remove refrigerant following local and national regulations -> evacuate -> purge the circuit with inert gas -> evacuate -> continuously flush with inert gas when using flame to open circuit -> open the circuit.
 - The refrigerant charge shall be recovered into the correct recovery cylinders.
 - The system shall be purged with OFN to render the appliance safe.
 - This process may need to be repeated several times.
 - Compressed air or oxygen shall not be used for this task.
 - Purging of the refrigerant circuit shall be achieved by breaking the vacuum in the system with OFN and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum.
 - This process shall be repeated until no refrigerant is within the system.
 - The system shall be vented down to atmospheric pressure to enable work to take place.
 - Ensure that the outlet of the vacuum pump is not close to any potential ignition sources and there is ventilation available.

OFN = oxygen free nitrogen, type of inert gas.



8. Charging procedures

- In addition to conventional charging procedures, the following requirements shall be followed.
 - Ensure that contamination of different refrigerants does not occur when using charging equipment.
 - Hoses or lines shall be as short as possible to minimize the amount of refrigerant contained in them.
 - Cylinders shall be kept in an appropriate position according to the instructions.
 - Ensure that the refrigerating system is earthed prior to charging the system with refrigerant.
 - Label the system when charging is complete (if not already labelled).
 - Extreme care shall be taken not to overfill the refrigerating system.
- Prior to recharging the system it shall be pressure tested with OFN (refer to #7).
- The system shall be leak tested on completion of charging but prior to commissioning.
- A follow up leak test shall be carried out prior to leaving the site.
- Electrostatic charge may accumulate and create a hazardous condition when charging and discharging the refrigerant. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before charging/discharging.



9. Decommissioning

- Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its details.
- It is recommended good practice that all refrigerants are recovered safely.
- Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of recovered refrigerant.
- It is essential that electrical power is available before the task is commenced.
 - a) Become familiar with the equipment and its operation.
 - b) Isolate system electrically.
 - c) Before attempting the procedure ensure that:
 - mechanical handling equipment is available, if required, for handling refrigerant cylinders;
 - all personal protective equipment is available and being used correctly;
 - the recovery process is supervised at all times by a competent person;
 - recovery equipment and cylinders conform to the appropriate standards.
 - d) Pump down refrigerant system, if possible.
 - e) If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.
 - f) Make sure that cylinder is situated on the scales before recovery takes place.
 - g) Start the recovery machine and operate in accordance with instructions.
 - h) Do not overfill cylinders. (No more than 80 % volume liquid charge).
 - i) Do not exceed the maximum working pressure of the cylinder, even temporarily.
 - j) When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.
 - k) Recovered refrigerant shall not be charged into another refrigerating system unless it has been cleaned and checked.
- Electrostatic charge may accumulate and create a hazardous condition when charging or discharging the refrigerant. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before charging/discharging.

Safety Precautions



10. Labelling

- Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant.
- The label shall be dated and signed.
- Ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.



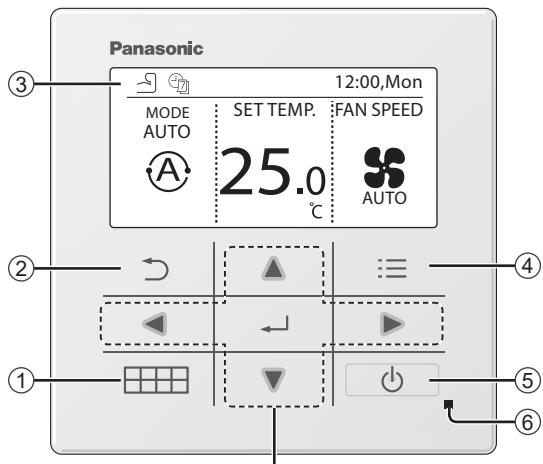
11. Recovery

- When removing refrigerant from a system, either for servicing or decommissioning, it is required to follow good practice so that all refrigerants are removed safely.
- When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed.
- Ensure that the correct number of cylinders for holding the total system charge are available.
- All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i.e. special cylinders for the recovery of refrigerant).
- Cylinders shall be complete with pressure relief valve and associated shut-off valves in good working order.
- Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.
- The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of flammable refrigerants. Consult manufacturer if in doubt.
- In addition, a set of calibrated weighing scales shall be available and in good working order.
- Hoses shall be complete with leak-free disconnect couplings and in good condition.
- The recovered refrigerant shall be processed according to local legislation in the correct recovery cylinder, and the relevant Waste Transfer Note arranged.
- Do not mix refrigerants in recovery units and especially not in cylinders.
- If compressors or compressor oils are to be removed, ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant.
- The compressor body shall not be heated by an open flame or other ignition sources to accelerate this process.
- Draining of oil from a system shall be carried out safely.

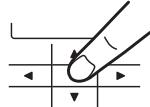
Remote Control buttons and display

Buttons / Indicator

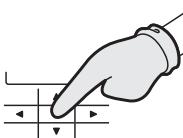
- ① **Quick Menu button**
- ② **Back button**
Returns to the previous screen
- ③ **LCD Display**
- ④ **Main Menu button**
For function setup
- ⑤ **ON/OFF button**
Starts/Stops operation
- Operation indicator**
- ⑥ Illuminates during operation, blinks during alarm.



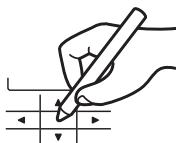
! Press centre



🚫 No glove

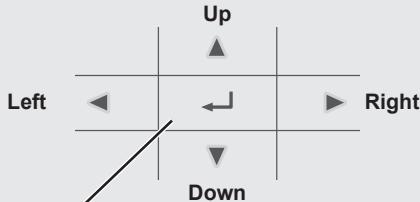


🚫 No pen



Cross key buttons

Selects an item.



Enter button
Fixes the selected content.

Initialization

Please initiate the Remote Control by selecting the language of operation and set the date and time accordingly before setting up the operation menu preferences.

During first power ON, Remote Control will automatically prompt setting screen as default. It can also be access from Personal Setup in the Main Menu.

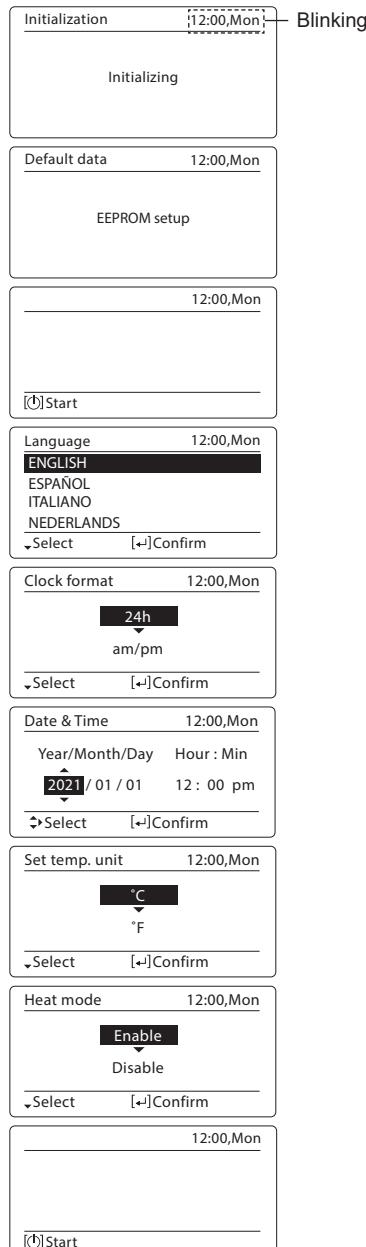
Selecting the language

Wait while the display is initializing.

When initializing screen ends, it turns to normal screen.

When any button is pressed, language setting screen appears.

- ① Scroll with **▼** and **▲** to select the language.
- ② Press **←** to confirm the selection.



Setting the clock

- ① Select with **▼** or **▲** to display the time, either 24h or am/pm format (for example, 15:00 or 3:00 pm).
- ② Press **←** to confirm the selection.
- ③ Use **▼** and **▲** to select year, month, day, hour and minutes. (Select and move with **▶** and press **←** to confirm.)
- ④ Once the time is set, time and day will appear on the display even if the Remote Control is turned OFF.

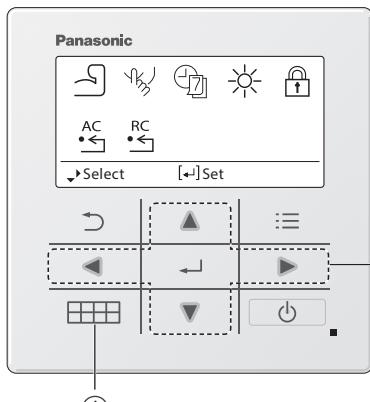
Setting the temperature unit

- ① Scroll with **▼** and **▲** to select the unit.

Selecting the Heat mode

- ① Scroll with **▼** and **▲** to select Enable or Disable.

Quick Menu



- ① Press .
- ② Use , , ,  to select quick menu.
- ③ Press  to turn on/off the select mode.

To return to the Main Screen, Press  or .

Quick Menu



Select each setting and confirm the setting according to the instructions displayed at the bottom of the screen. (The icons refer to each selection key.)

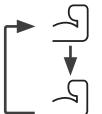
Powerful

Select this icon to operate Powerful mode.

Press  to confirm your selection.

When Powerful mode is selected, an icon will appear on top left of Main Screen.

* Refer to "Remote Control buttons and display"



- Powerful is OFF
- Powerful is ON: To reach desired temperature quickly

Note:

Powerful is automatically stop after 20 minutes.

Powerful will be disabled in below conditions:-

- when fan speed is changed,
- when Quiet is enabled.

Quick Menu

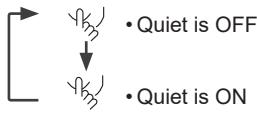
Quiet

Select this icon to enjoy quiet operation. Quiet mode reduces airflow noise.

Press  to confirm your selection.

When Quiet mode is selected, an icon will appear on top left of Main Screen.

* Refer to "Remote Control buttons and display"



Note:

Quiet is disabled when fan speed is changed or Powerful is enabled.



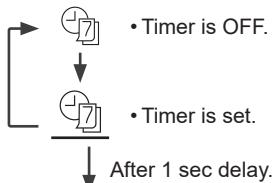
Weekly timer

Select this icon to delete (cancel) or change the pre-set Weekly Timer.

Press  to confirm your selection.

When Weekly Timer mode is selected, an icon will appear on top left of Main Screen.

* Refer to "Remote Control buttons and display"



Select "Yes".

• If you select "No", the screen will return to the Quick Menu Screen.



• Timer setup: Select Timer setup to edit the Weekly Timer.

• Timer copy: Select to copy a timer setting.



[Example of a Timer setup]

Select the day(s) which you wish to edit using   buttons.

Weekly timer							12:00,Mon
Sun	Mon	Tue	Wed	Thu	Fri	Sat	
1. 6:00am	ON						25.0°C
2. 8:00am	ON						25.0°C
3. 10:00am	ON						25.0°C
①	②	③	④	⑤			

① **Select pattern "1" ~ "6".**

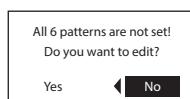
② **Set the hour and minutes of the Timer.**

③ **Select ON/OFF of the Timer.**

④ **Select the operation mode.**



⑤ **Set the temperature.**



If all 6 patterns are not set in a day, this screen will be displayed.

Note:

If all entries are found to be reset to default, this could be due to "Heat mode" setting is disable.



LED intensity dim

Select this icon to dim or restore the indicators' brightness on the operation indicator.



R/C Lock

Select this icon to lock the Remote Control.

Press to confirm your selection.

(When the mode has been accepted, below screen will be displayed.)

Do you want to lock remote control?	
<input type="button" value="Yes"/>	
<input type="button" value="No"/>	

Select "Yes".

(The Main Screen will be locked.)

• If "No" is selected, the screen will return to the Quick Menu Screen.

To unlock the Remote Control

Press any key.

(When the mode has been accepted, below screen will be displayed.)

	*	*	*
--	---	---	---

Press or to scroll and choose the digits. Press or to move to adjacent digit. Press to confirm the four-digit code. (if the number is correct, the screen will be unlocked).

To reset forgotten password

Press , and continuously for 5 seconds.

(When the mode has been accepted, below screen will be displayed.)

Reset password	12:00,Mon
<input type="button" value="Request"/>	
[+/-]Confirm	

Press .

Reset password	12:00,Mon
Password is reset to 0000 and remote control unlocked	
[+/-]Confirm	

Password will be reset after 3 seconds.
Main screen will be unlocked.

AC AC Reset

Select this icon to reset the air conditioner and turn it off.

RC RC Reset

Select this icon to reset the remote control and perform initialization again.

Main Menu

Select menus and determine settings according to the system available in the household.

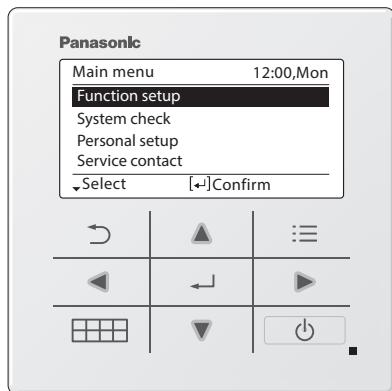
- After initial installation, you may manually adjust the settings.
- The initial setting remains active until the user changes it.
- The Remote Control can be used for multiple installations.
- The system may not work properly if set wrongly. Please consult an authorised dealer.

To display <Main menu>: 

To select content:    

To confirm the selected content: 

Press  to return to main screen



Menu	Default Setting	Setting Options / Display
1 Function setup		
1.1 > Model type ^{*1}	To select model type. * Select "Wall mounted" on the Display for Slim Ducted models.	<div style="display: flex; align-items: center;"> <div style="flex: 1; padding-right: 10px;">Wall mounted</div> <div style="flex: 1; border: 1px solid #ccc; padding: 2px; text-align: right;"> Model type 12:00,Mon Wall mounted Floor console </div> <div style="flex: 1; text-align: right; padding-top: 10px;"> Select [↔] Confirm </div> </div>
1.2 > Heat mode ^{*1 / *2}	To enable or disable heat mode.	<div style="display: flex; align-items: center;"> <div style="flex: 1; padding-right: 10px;">Enable</div> <div style="flex: 1; border: 1px solid #ccc; padding: 2px; text-align: right;"> Enable Disable </div> </div>
1.3 > Fan mode ^{*1 / *2}	To enable or disable Fan mode.	<div style="display: flex; align-items: center;"> <div style="flex: 1; padding-right: 10px;">Enable</div> <div style="flex: 1; border: 1px solid #ccc; padding: 2px; text-align: right;"> Enable Disable </div> </div>
1.4 > Powerful ^{*1}	To enable or disable powerful mode.	<div style="display: flex; align-items: center;"> <div style="flex: 1; padding-right: 10px;">Enable</div> <div style="flex: 1; border: 1px solid #ccc; padding: 2px; text-align: right;"> Enable Disable </div> </div>
1.5 > Quiet ^{*1}	To enable or disable quiet mode.	<div style="display: flex; align-items: center;"> <div style="flex: 1; padding-right: 10px;">Enable</div> <div style="flex: 1; border: 1px solid #ccc; padding: 2px; text-align: right;"> Enable Disable </div> </div>

*1 This function will become hidden when unit is turned on.

*2 "Heat mode" and "Fan mode" becomes hidden when "Weekly timer" is activated and has entries with heat mode inside.

Menu	Default Setting	Setting Options / Display												
1.6 > Filter check To enable or disable filter check.	Disable	Enable Disable												
1.7 > WLAN (Not applicable to the default unit; available with an accessory) To apply the WLAN  settings in Panasonic Comfort Cloud phone app.	Scan QR code WLAN ON/OFF Easy Setting (WPS) Advance setting (AP) Device registration WLAN strength WLAN initialization Learning reset	<table border="1"> <tr><td>WLAN</td><td>12:00,Mon</td></tr> <tr><td>Scan QR code</td><td></td></tr> <tr><td>WLAN ON/OFF</td><td></td></tr> <tr><td>Easy setting (WPS)</td><td></td></tr> <tr><td>Advance setting (AP)</td><td></td></tr> <tr><td>▼ Select</td><td>[+/-]Confirm</td></tr> </table> <div style="text-align: right;">Request</div>	WLAN	12:00,Mon	Scan QR code		WLAN ON/OFF		Easy setting (WPS)		Advance setting (AP)		▼ Select	[+/-]Confirm
WLAN	12:00,Mon													
Scan QR code														
WLAN ON/OFF														
Easy setting (WPS)														
Advance setting (AP)														
▼ Select	[+/-]Confirm													
1.8 Duty rotation (Not applicable) In Duty Rotation, air-conditioning is managed by a running unit and backup unit which rotates between two units after rotation interval has elapsed.														
1.8.1 > Rotation ON/OFF (Not applicable) To set the rotation ON or OFF.	OFF	<table border="1"> <tr><td>Duty rotation</td><td>12:00,Mon</td></tr> <tr><td>Rotation ON/OFF</td><td></td></tr> <tr><td>Rotation interval</td><td></td></tr> <tr><td>Rotation status</td><td></td></tr> <tr><td>▼ Select</td><td>[+/-]Confirm</td></tr> </table>	Duty rotation	12:00,Mon	Rotation ON/OFF		Rotation interval		Rotation status		▼ Select	[+/-]Confirm		
Duty rotation	12:00,Mon													
Rotation ON/OFF														
Rotation interval														
Rotation status														
▼ Select	[+/-]Confirm													
1.8.2 > Rotation interval (Not applicable) To set the rotation interval range. Interval range: 1h ~ 23h	12h	<table border="1"> <tr><td>Rotation</td><td>12:00,Mon</td></tr> <tr><td>Interval</td><td></td></tr> <tr><td>Range: (1h~23h)</td><td>12h</td></tr> <tr><td>Step: ±1h</td><td></td></tr> <tr><td>♦ Select</td><td>[+/-]Confirm</td></tr> </table>	Rotation	12:00,Mon	Interval		Range: (1h~23h)	12h	Step: ±1h		♦ Select	[+/-]Confirm		
Rotation	12:00,Mon													
Interval														
Range: (1h~23h)	12h													
Step: ±1h														
♦ Select	[+/-]Confirm													
1.8.3 > Rotation status (Not applicable) To view the rotation status of unit.	Select and retrieve	<table border="1"> <tr><td>Status</td><td>12:00,Mon</td></tr> <tr><td>Main unit comm.</td><td>:</td></tr> <tr><td>Sub unit comm.</td><td>:</td></tr> <tr><td>Main unit</td><td>:</td></tr> <tr><td>Sub unit</td><td>:</td></tr> <tr><td>▼ Page 2</td><td>[✖]Close</td></tr> </table>	Status	12:00,Mon	Main unit comm.	:	Sub unit comm.	:	Main unit	:	Sub unit	:	▼ Page 2	[✖]Close
Status	12:00,Mon													
Main unit comm.	:													
Sub unit comm.	:													
Main unit	:													
Sub unit	:													
▼ Page 2	[✖]Close													
1.9 > Diagnosis (Not applicable) To enable operations in the indoor unit AUTO OFF/ON switch.	Select and retrieve	Request												

Main Menu

Menu	Default Setting	Setting Options / Display
2 System check		<p>To perform failure diagnosis. If the Error code matches with the error encountered, you will hear a beeping sound. * Please refer to "Troubleshooting" for error codes.</p> <p>Select and retrieve</p> <p>System check 12:00,Mon H00 No memory of failure</p>
3 Personal setup		
3.1 > Touch sound	To enable or disable the operation sound.	<p>Enable</p> <p>Enable Disable</p>
3.2 > LCD contrast	To set the screen contrast.	<p>3</p> <p>LCD contrast 12:00,Mon Low High Select [↔]Confirm</p>
3.3 > Backlight	To set the duration of screen backlight.	<p>1 min</p> <p>Backlight 12:00,Mon OFF 5 mins 15 secs 10 mins 1 min Select [↔]Confirm</p>
3.4 > Backlight intensity	To set the screen backlight brightness.	<p>4</p> <p>Backlight intensity 12:00,Mon Dark Bright Select [↔]Confirm</p>
3.5 > Clock format	To set the type of clock display format.	<p>24h</p> <p>Clock format 12:00,Mon 24h am/pm Select [↔]Confirm</p>

Menu	Default Setting	Setting Options / Display
3.6 > Date & Time	To set the present date and time.	<p>Year / Month / Day / Hour / Min</p> <p>Date & Time 12:00,Mon Year/Month/Day Hour : Min 2021 / 01 / 01 12 : 00 pm Select [+]Confirm</p>
3.7 > Set temp. unit	To set the temperature unit.	<p>Set temp. unit 12:00,Mon °C °F Select [+]Confirm</p>
3.8 > Set temp. decimal	To set the temperature decimal unit.	<p>Enable Disable</p>
3.9 > Language	Sets the display language for the top screen.	<p>Language 12:00,Mon ENGLISH ESPAÑOL ITALIANO NEDERLANDS DEUTSCH / HRVATSKI / TÜRKÇE / SVENSKA / NORSK / DANISH / SUOMI / MAGYAR / УКРАЇНСЬКА / POLSKI Select [+]Confirm</p>
3.10 > Unlock password	4 digit password for all the settings.	<p>Unlock password 12:00,Mon 0000 Select [+]Confirm</p>
4 Service contact		
4.1 > Contact 1 / Contact 2	Preset contact number for installer.	<p>Service contact 12:00,Mon Contact 1 Name : Bryan Adams Phone : 08812345678 Select and retrieve Contact 2 [+]Edit</p>

Main Menu

Menu	Default Setting	Setting Options / Display
5 Custom setup		
5.1 > Custom No.	<p>Preset custom setup. Range: 1~15 * Wrong setting can affect system operations. Some features may not be applicable to your model. Please consult an authorised dealer.</p> <p>Custom No Range Descriptions</p> <ul style="list-style-type: none">1 : Remote control number2 : Solar radiation sensitivity level adjustment3 : Cool & Dry mode set temperature [Low]4 : Cool & Dry mode set temperature [High]5 : Heat mode set temperature [Low]6 : Heat mode set temperature [High]7 : Filter cleaning8 : nanoe™ / nanoe™-G default ON9 : Dust sensor monitoring & LED10 : Auto restart11 : Dust sensor sensitivity level adjustment12 : Auto mode set temperature [Low]13 : Auto mode set temperature [High]14 : Indoor unit installation position15 : Eco status memorize	<p>Custom setup 12:00,Mon</p> <p>Custom No. Range: (1~15) Step: ±1</p> <p>1</p> <p>▲ Select [←→] Confirm</p>

To Learn More...

Single Single split system
Multi Multi split system

Operation mode

AUTO : For your convenience.

- Single** • The unit will select an operation mode every 10 minutes depending on the setting and room temperature.
- Multi** • The unit will select an operation mode every 3 hours depending on the setting, room and outdoor temperature.

HEAT : The unit will take some time to warm up.

- Unit may stops warm air supply for deice.

COOL : Provides efficient comfort cooling to suit your needs.

DRY : Operates at low fan speed for a gentle cooling operation.

FAN : To circulate air in the room.

Multi

- 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/DRY/FAN modes cannot activate at the same time for different indoor units. The different indoor unit stops at standby condition.

Energy saving temperature setting

You may save energy when operating the unit within the recommended temperature range.

HEAT : 20.0 °C ~ 24.0 °C / 68 °F ~ 75 °F.

COOL : 26.0 °C ~ 28.0 °C / 79 °F ~ 82 °F.

Auto restart control

When power is resumed after a power failure, the operation will restart automatically with the last operation mode.

Operating conditions

Use this air conditioner in the temperature range indicated in the table.

Temperature °C (°F)		Indoor		Single split outdoor unit *1		Multi split outdoor unit *2		Multi split outdoor unit *3	
		DBT	WBT	DBT	WBT	DBT	WBT	DBT	WBT
COOL	Max.	32 (89.6)	23 (73.4)	43 (109.4)	26 (78.8)	46 (114.8)	26 (78.8)	46 (114.8)	26 (78.8)
	Min.	16 (60.8)	11 (51.8)	-10 (14.0)	-	-10 (14.0)	-	-10 (14.0)	-
HEAT	Max.	30 (86.0)	-	24 (75.2)	18 (64.4)	24 (75.2)	18 (64.4)	24 (75.2)	18 (64.4)
	Min.	16 (60.8)	-	-15 (5.0)	-16 (3.2)	-15 (5.0)	-16 (3.2)	-25 (-13.0)	-

DBT: Dry bulb temperature, WBT: Wet bulb temperature

*1 CU-Z25CBEA, CU-Z35CBEA, CU-Z50CBEA, CU-Z60CBEA

*2 CU-2235CBE, CU-2Z41CBE, CU-2Z50CBE, CU-3Z52CBE, CU-3Z68CBE, CU-4Z68CBE, CU-4Z80CBE, CU-5Z90CBE

*3 CU-4WZ90CBE5

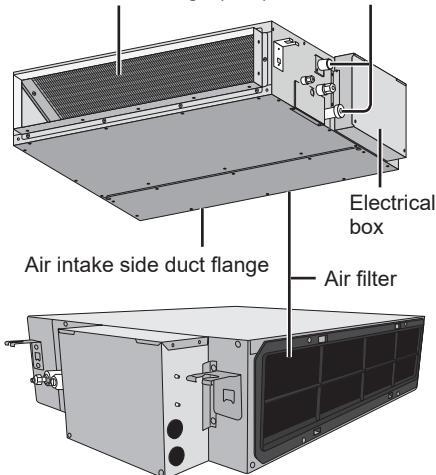
Cleaning the Air Conditioner

Cleaning has to be carried out at regular intervals to ensure the unit is at optimal performance. A dirty unit may cause malfunction and you may retrieve "H 99" error code. Consult an authorised dealer.

- Before cleaning, switch off the power supply and unplug the unit.
- Do not touch the aluminium fin as the sharp parts may cause injury.
- Do not use benzine, thinner or scouring powder.
- Use soap (\simeq pH 7) or neutral household detergent only.
- Do not use water hotter than 40 °C / 104 °F.

Indoor unit

Air outlet side duct flange (rear) Water drain



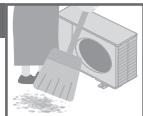
Air Filter

- The air filter is located in the air intake side of the unit.
- For cleaning the air filter, please consult your dealer. Do not attempt to clean inside the unit by yourself.
- If the air filter gets blocked, the efficiency of the air conditioner drops significantly.

Outdoor unit

Clean the debris that surround the unit.

Clear any blockage from the drain pipe.



Troubleshooting

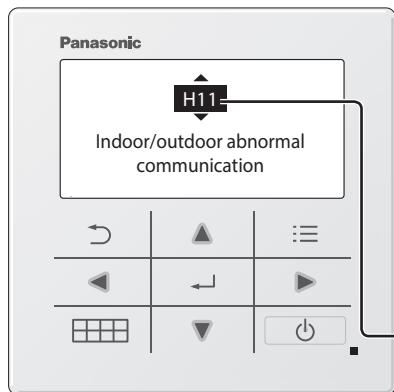
The following symptoms do not indicate malfunction.

Symptom	Cause
During HEAT mode with no warm air supply.	<ul style="list-style-type: none">The unit is in defrost mode.
Operation is delayed a few minutes after restarting.	<ul style="list-style-type: none">The delay is a protection to the unit's compressor.
Cooling/heating capacity is reduced during lowest fan speed setting.	<ul style="list-style-type: none">The lowest fan speed is to have a low noise operation, so cooling/heating capacity may be reduced depending on the condition. Increase the fan speed to increase the capacity.
In COOL mode, when the room temperature reaches near the set temperature, the compressor stops, then the indoor unit fan speed reduced.	<ul style="list-style-type: none">To prevent the room humidity rising. The indoor fan will resume running according to the set fan speed when room temperature increase.
Indoor fan stops occasionally during heating operation.	<ul style="list-style-type: none">To avoid unintended cooling effect.
Indoor fan stops occasionally during automatic fan speed setting.	<ul style="list-style-type: none">This is to help remove the surrounding odour.
Airflow continues even after operation has stopped.	<ul style="list-style-type: none">To extract the remaining heat from the indoor unit (maximum 30 seconds).
The room has a peculiar odour.	<ul style="list-style-type: none">This may be due to damp smell emitted by the wall, carpet, furniture or clothing.
Cracking sound during operation.	<ul style="list-style-type: none">Changes in temperature caused the unit to expand and contract.
Water flowing sound during operation.	<ul style="list-style-type: none">Refrigerant flow inside the unit.
Mist emerges from indoor unit.	<ul style="list-style-type: none">During cooling operation, the discharged cold air may condense to water vapour.
Outdoor unit emits water or steam.	<ul style="list-style-type: none">During cooling operation, condensation occurs on cold pipes and the condensed water may drip from the outdoor unit.During heating operation, frost formed on the outdoor unit during deice cycle melts and is discharged as water or steam.
Discoloration of some plastic parts.	<ul style="list-style-type: none">Discoloration is subjected to the types of materials used in plastic parts. It is accelerated when exposed to heat, sun light, UV light or environmental factors.

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.Clean or replace the filter.Clear any obstruction at the air inlet and air outlet vents.
Noisy during operation.	<ul style="list-style-type: none">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.

Troubleshooting



To retrieve an error code, go to "System check" and press **▲** or **▼** button until you hear beep sound.

When the display shows an error code as indicated below, contact the number registered in the Remote Control or a nearest authorised installer.

Below is a list of error codes that may appear on the display when there is some trouble with the system setting or operation.

◀ ▶ keys are disabled.

Diagnostic display	Abnormality/Protection control
H 00	No memory of failure
H 11	Indoor/outdoor abnormal communication
H 12	Indoor unit capacity unmatched
H 14	Indoor intake air temperature sensor abnormality
H 15	Outdoor compressor temperature sensor abnormality
H 16	Outdoor current transformer (CT) abnormality
H 17	Outdoor suction temperature sensor abnormality
H 19	Indoor fan motor mechanism lock
H 21	Indoor float switch operation abnormality
H 23	Indoor heat exchanger temperature sensor 1 abnormality
H 24	Indoor heat exchanger temperature sensor 2 abnormality
H 25	Indoor ion device abnormality
H 26	Minus ION abnormality
H 27	Outdoor air temperature sensor abnormality
H 28	Outdoor heat exchanger temperature sensor 1 abnormality
H 30	Outdoor discharge pipe temperature sensor abnormality
H 31	Indoor humidity sensor abnormality
H 32	Outdoor heat exchanger temperature sensor 2 abnormality
H 33	Indoor/outdoor misconnection abnormality

Diagnostic display	Abnormality/Protection control
H 34	Outdoor heat sink temperature sensor abnormality
H 35	Indoor/outdoor water adverse current abnormality
H 36	Outdoor gas pipe temperature sensor abnormality
H 37	Outdoor liquid pipe temperature sensor abnormality
H 38	Indoor/outdoor mismatch (brand code)
H 39	Abnormal indoor operating unit or standby units
H 41	Abnormal wiring or piping connection
H 50	Ventilation motor abnormality
H 51	Nozzle lock abnormality
H 52	Left-right limit switch fixing abnormality
H 58	Gas sensor abnormality
H 59	Eco sensor abnormality
H 64	Outdoor high pressure sensor abnormality
H 67	nanoe abnormality
H 70	Light sensor abnormality
H 71	DC cooling fan inside control board abnormality
H 72	Abnormality tank temperature sensor
H 79	Wireless LAN module write error
H 81	Outdoor electronic component self-check abnormality
H 85	Abnormal communication between indoor & wireless LAN module

Diagnostic display	Abnormality/Protection control
H 86	Dust sensor abnormality
H 97	Outdoor fan motor mechanism lock
H 98	Indoor high pressure protection
H 99	Indoor operating unit freeze protection
F 11	4-way valve switching abnormality
F 16	Total running current protection
F 17	Indoor standby units freezing abnormality
F 18	Dry circuit blocked abnormality
F 87	Control box overheat protection
F 90	Power factor correction (PFC) circuit protection

Diagnostic display	Abnormality/Protection control
F 91	Refrigeration cycle abnormality
F 93	Outdoor compressor abnormal revolution
F 94	Compressor discharge pressure overshoot protection
F 95	Outdoor cooling high pressure protection
F 96	Power transistor module overheating protection
F 97	Compressor overheating protection
F 98	Total running current protection
F 99	Outdoor direct current (DC) peak detection

* Some error code may not be applicable to your model. Consult an authorised dealer for clarification.

When...

■ Conducting a seasonal inspection after extended period of non-use

- Check that there is no obstruction around the air inlets and 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 the air inlet and outlet vents:

COOL: $\geq 8^{\circ}\text{C} / 14.4^{\circ}\text{F}$ HEAT: $\geq 14^{\circ}\text{C} / 25.2^{\circ}\text{F}$

■ The units will be not used for an extended period

- Activate HEAT mode for 2~3 hours to remove any moisture left in the internal parts thoroughly. This is to prevent mould growth.
- Turn off the power supply and unplug the unit.

NON SERVICEABLE CRITERIAS

TURN OFF THE POWER SUPPLY AND UNPLUG THE UNIT. Then consult an authorised dealer in the following conditions:

- Abnormal noise during operation.
- Water/foreign particles have entered the remote control.
- Water is leaking from the indoor unit.
- The circuit breaker switches off frequently.
- The power cord becomes unnaturally warm.
- The switches or buttons are not functioning properly.

Information

Information for Users on Collection and Disposal of Old Equipment



This symbol on the products, packaging, and/or accompanying documents means that used electrical and electronic products must not be mixed with general household waste.

For proper treatment, recovery and recycling of old products, please take them to applicable collection points in accordance with your national legislation.

By disposing of them correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment. For more information about collection and recycling, please contact your local authority.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.



For Business users in the European Union and some other European countries

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

[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 authority or dealer and ask for the correct method of disposal.

 WARNING	This symbol shows that this equipment uses a mildly flammable refrigerant. If the refrigerant is leaked, together with an external ignition source, there is a possibility of ignition.		
	This symbol shows that a service personnel should be handling this equipment with reference to the Installation Instructions.		This symbol shows that the Operation Instructions should be read carefully.



Declaration of Conformity (DOC)

Hereby, "Panasonic Corporation" declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU

The full text of the EU declaration of conformity is available at the following internet address:

<http://www.ptc.panasonic.eu/>

Authorized Representative: Panasonic Testing Centre, Panasonic Marketing Europe GmbH, Winsbergring 15, 22525 Hamburg, Germany

Norway: There are usage restrictions within a radius of 20 km from the centre of Ny-Alesund on Svalbard.



Declaration Of Conformity (DOC)

Hereby, "Panasonic Corporation" declares that this product is in compliance with the essential requirements

and other relevant provisions of the relevant statutory requirements.

The full text of the declaration of conformity is available at the following internet address: <http://www.ptc.panasonic.eu/>

Contact in the UK :

Panasonic UK, a branch of Panasonic Marketing Europe GmbH, Maxis 2, Western Road, Bracknell, Berkshire, RG12 1RT

Manufactured by:

Panasonic Corporation

1006, Oaza Kadoma, Kadoma City, Osaka 571-8501, Japan

Email: customer.phvac@eu.panasonic.com

[The email is only for contacts within the European Union (EU) and the European Economic Area (EEA).]

To avoid any miscommunication or delay response, please contact directly your local authorities or dealer.]

Importer:

Panasonic Marketing Europe GmbH

Authorized Representative in EU: Panasonic Testing Centre, Winsbergring 15, 22525 Hamburg, Germany

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

Contact in the UK:

Panasonic UK, a branch of Panasonic

Marketing Europe GmbH

Maxis 2, Western Road, Bracknell,

Berkshire, RG12 1RT