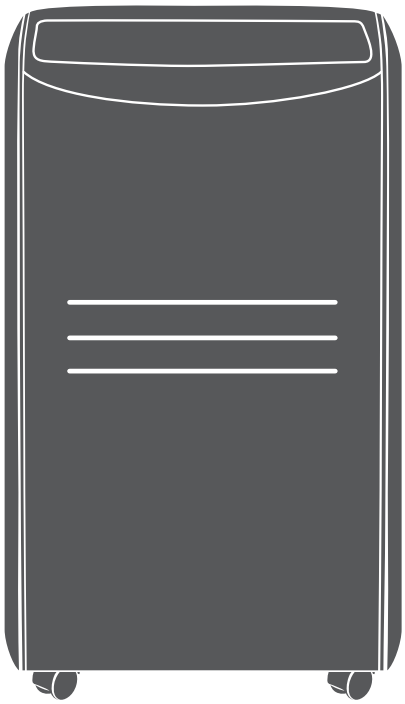
AIR CONDITIONING SYSTEMS
PORTABLE

• USER'S MANUAL



MODELS:
CLCO290-09
CLCO290-09BS
CHLCO-09WK

ENGLISH

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|Safety Precautions

WARNING: "Safety Hazard Symbol", it is very important to please pay close attention to the below, to avoid any serious injury.

WARNING: To avoid any serious injuries or possible unit damage, please read carefully and follow the below safety guidelines:

- The installation of this unit must be according to this manual, as improper installation may cause water leakage, electrical shock or even a fire.
-Use only included parts and accessories, and the specified tools for the installation of your portable air conditioner. The use of parts that are not included in this package may result to water leakage, electrical shock, fire, injury and possible property damage.
- Be certain that the outlet in use, is properly grounded and that of the correct voltage. The three-prong power cord is designed to protect against shock. Information regarding voltage may be found on the nameplate of your unit.
- This unit must be connected to a properly grounded power supply. If the power supply is not grounded or protected by a fuse or a circuit breaker (the correct fuse is determined by the maximum current of the unit, which is located on the nameplate of the device) it is strongly advised to have a professional qualified electrician install the proper power supply.
-Install on a flat and sturdy floor. Failure to install in this manner could result in damage, excessive noise and even vibration.
-This device should be placed clear of any obstructions to ensure its correct and proper function and to avoid any possible hazards.
-DO NOT use an extension cord or modify the length of the cord in any way, to power the unit.
-DO NOT combine a single power outlet with other electrical appliances. Irregular power supply may cause electric shock and a possible fire.
-DO NOT install this unit in a very humid room such as a bathroom facility or a laundry room. Excessive exposure to water may cause the internal electrical components to short circuit.
-DO NOT install in a location exposed to a combustible gas, as this could result to a fire.
- The device is equipped with casters for easy mobility. It is suggested not to be used on thick carpets, as this may cause its tripping.
-DO NOT operate this unit if it has been dropped or damaged in any way.
- For models with heating capabilities, there should be at least 1 meter clear space from any combustible materials.
- Do not touch this unit with wet or damp hands or while barefoot.
- If the portable air conditioner is knocked over while operating, turn off and unplug from the power socket immediately. Examine the device ensuring there is no visible damage. If you suspect that the unit has been damaged, it is necessary to contact a technician or customer support for further assistance.
-In the event of a thunderstorm, it is suggested to turn off the unit as there is the possibility of damage due to unsteady power supply.
- Your portable air conditioner should be operated in such a manner, so as to be protected from moisture. Do not position the unit in an area where possible tripping into water may occur. In this event, unplug immediately.
- All wiring must be performed strictly in accordance to the wiring diagram which is located internally.
- The circuit board of the unit (PCB) is designed with an overcurrent protection fuse. Specifications of the fuse are printed on the circuit board, in this manner: T3.15A/250V.

|Cautions

CAUTIONS

-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.

- 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 supervised, or given instruction concerning the use of the appliance by a person responsible for their safety. (Applicable for non-European countries)

-Minors should be supervised to ensure that there is no mishandling od the device. It is strongly advised that minors should be supervised when around this unit at all times. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid possible hazard.

-Prior to cleaning or maintaining the air conditioner, please make sure the unit is initially turned off and disconnected from the mains.

- Do not remove any fixed covers. If you suspect the unit is not operating properly or if it has been dropped or damaged in any way it should never be used

- Do not place the power cord under any carpets, rugs, runners or similar coverings, under furniture or other appliances. The power cord should be placed in such a manner that accidental tripping may be avoided.

- If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.

- To reduce the risk of possible fire or electric shock, do not combine the use of your device with any Solid-State speed control device (dimmer)

-This unit must be installed in accordance to the national wiring regulations.

-For the proper maintenance of this unit, please contact an authorized technician.

-If any installation is required, please contact an authorized professional installer.

- The inlet or outlet grilles should never be obstructed

-This unit should be operated only, as per the instructions of this manual, and not for any other use.

- Prior to cleaning, power off the unit and unplug.

- In the case of any abnormal behavior (e.g.. a burning smell), disconnect power intermediately and contact your local dealer.

- Do not operate the buttons of the digital control panel with anything other that your hands.

- Do not turn ON/OFF this device by plugging or unplugging the power cord.

- This unit should never be cleaned with the use of hazardous chemicals. The unit should never be operated in the presence of inflammable substances such as pure alcohol, petrol etc.

- Always relocate your portable air conditioner in a vertical position and should always be placed in a vertical position.

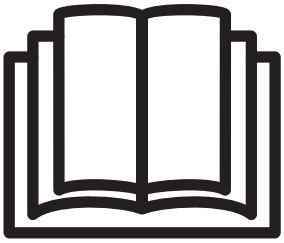
- Grip the power plug properly when pulling out of the power socket.

- When inoperative for a long period of time please power off and unplug

|Warnings (for using R290/R32 refrigerant only)

-Do not use any other means other than the recommended to expedite the defrosting process or to perform a cleaning of the unit, other than those recommended by the manufacturer.
- This device should never be stored in an area in combination with other ignition sources (for example: a gas appliance an electrical heater, open flames etc.)
- Do not attempt to penetrate the unit with a tool or try to burn
- Be extra cautious as refrigerant gas may be odorless.
-Appliance for 9000Btu/h should be installed, operated and stored in a room with a floor area larger than 9 m^2.
- It is necessary to always comply with national gas regulations.
- Keep air ventilation clear of any obstructions
- The unit should be placed in storage in such a manner as to prevent any mechanical damage from occurring.
- Always operate this unit in a well-ventilated area, where the room size corresponds to the specifications of the device for optimal performance.
-Any persons involved with the operation and handling of the refrigerant circuit of this unit, should be certified by the related accredited industry, and authorized as competent to handle refrigerants, safely, and in accordance to the safety standards of the industry.
- Servicing should be performed only by a certified technician as per the Mnaufacturers reccomendations. Any maintenance or repair required, should be performed by skilled personnel who are competent in the use of flammable refrigerants.

Caution: Risk of fire/ flammable materials (Required for R32/ R290 units only)



IMPORTANT NOTE: Please read this manual carefully prior to installing and operating your device! It is recommended to keep this manual for future reference.

Description of displayed Symbols (*Only applicable to units with R32/R290 Refrigerant)

	WARNING	This symbol indicates the use of a flammable refrigerant. If any leakage occurs, or if exposed to an external ignition source, a fire risk is possible.
	CAUTION	This symbol indicates that the user's manual should be read carefully.
	CAUTION	This symbol indicates that a professional service technician should handle this unit with reference to the user's manual
	CAUTION	This symbol indicates the presence of a user's or installation manual

|Warnings (for using R290/R32 refrigerant only)

1. Transport of equipment containing flammable refrigerants See transport regulations
2. Marking of equipment using signs See local regulations
3. Disposal of equipment using flammable refrigerants See national regulations.
4. Storage of equipment/appliances

The storage of equipment should be in accordance as per the user's manual.

5. Storage of packed (unsold) equipment

The storage of the package should be constructed in such a manner that if any mechanical damage to the equipment will not result ina leak of the refrigerant.

6. Information on Servicing

1) Checking the area

Upon initial work, regarding systems containing flammable refrigerants, mandatory safety checks are required to ensure that the risk of possible ignition is minimized. Prior to any repairing to the refrigerant system, the following

2) Work procedure

Any handling should be performed under a controlled procedure as to minimize the risk of flammable gas being present while work is being performed.

3) General work area

All relative maintenance staff and all others working in the area, should be clearly instructed, on the nature of the procedure. Any maintenance in confined spaces must be avoided. The space around the work-area should be securely sectioned off. Confirm that the conditions within the area, are safe and the flammable material is controlled.

4) Prior to and during work operation, the area should be checked and monitored by an appropriate refrigerant detector, also ensuring the technicians to be aware of potentially flammable materials in the atmosphere. It is very important that the refrigerant detector being used is suitable for the usage with flammable refrigerants.

5)Presence of fire extinguisher

If any work that involves heat, is to be conducted, the appropriate fire extinguishing equipment should be always available. A dry powder or CO2 fire extinguisher should be available adjacent to the charging area.

6) No ignition sources

Work that is in relation to a refrigeration system which involves exposing any pipe works that contains or has contained flammable refrigerant gases should be carried out be no persons, as they may lead to the risk of a fire.All possible fire hazards such as cigarette smoking, must be kept far away from the site of repair,installation removing and or disposal, where the possibility of refrigerant gas may be released to the atmosphere. Prior to the performance of any work conducted, the area around the equipment should be monitored and checked to be certain that no flammable hazards or ignition risks are present. NO SMOKING signs are mandatory and must be displayed..

7) Ventilated area

Prior to any work performed, be certain that the area is well ventilated or open. Constant ventilation while any work is carried out is necessary. Ventilation should safely disperse any possible refrigerant leak externally into the atmosphere.

8) Checks to the refrigeration equipment

Where electrical components are being changed, they should be fit for purpose and with the correct specifications. Manufacturer's maintenance and Service Guidelines should be followed at all times. If there is any doubt, please consult with the manufacturer's Technical Debt for assistance. The following checks should always be performed in regard to installations using flammable refrigerants: The charge size is in accordance with the room size, in which the refrigerant parts are installed. Be certain the ventilation is operative and check the outlets do not have any obstructions.

If there is a use of an indirect refrigerant circuit, this secondary circuit should be checked for any refrigerant being present. Any markings to the equipment should be clear and visible. Markings and signs that are not clear should be corrected. Any refrigeration pipe or components should be installed in such a manner as to never be exposed to any substance that may lead to the corrosion of the refrigerant containing components, unless these components are designed as resistant to possible corrosion, or are corroded resistant.

9) Checks to electrical devices

|Warnings (for using R290/R32 refrigerant only)

The repair and the maintenance to the electrical components must include safety checks and also component inspection procedures. If there is any fault, that may compromise the safety of the work applied, then no electrical supply should be connected to the circuit until it is corrected. If the fault cannot be corrected immediately but it is necessary to continue operation, a temporary solution may be applied, such as the reporting to the owner of the equipment, so all parties are informed.

Initial safety checks shall include:

Capacitors are discharged, in a safe manner to avoid any possible sparking. No active electrical components and wirings are exposed while charging, recovering or purging the system. That it is properly grounded.

7. Repairs to sealed components

1) During any performed repairs to sealed components, all electrical supplies must be disconnected from the equipment prior to this act. If it is necessary to have an electrical supply to the equipment during its servicing, then a leak detector should be applied as to warn if there are any signs of potential hazards present.

2) There should be particular attention to the following as to ensure, that by working on electrical components there is no alteration to the casing in such a way that the level of protection is affected. This includes damage to the cables, excessive number of connections, terminals not designed to original specifications, any damage to seals, the incorrect fitting of glands, etc.

Ensure the unit is mounted securely.

Ensure that the seals or any sealing materials have not degraded in such a manner as to no longer serve its purpose, preventing flammable gases entering the atmosphere. Any replacement parts should be in accordance as per the manufacturer's specifications.

NOTE: The use of silicon sealant may affect the efficiency of some types of leak detection equipment. Safe components do not have to be isolated prior to working.

8. Repair to intrinsically safe components

Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current, allowed for the equipment in use. Intrinsically safe components are the only type that can be worked on, while live in the presence of flammable atmosphere. The test apparatus should be at the correct rating. Any replacement of parts should be as specified by the Manufacturer, as other parts may result in an ignition of refrigerant gas from a possible leak.

9.Cabling

Please check that cables are not subject to wear, corrosion, excessive pressure, vibration, or any other adverse environmental effects. Aging or continual vibration, should also be taken into account.

10. Detection of flammable refrigerants

Under no circumstance may a potential ignition source, such as a halide torch or any detector with the use of a flame, may be used.

11. Leak detection methods

The following leak detection methods are acceptable for systems containing flammable refrigerants.

Electronic leak detectors may be used to detect flammable refrigerants. However, the sensitivity may not be adequate, or it is possible it may need re-calibration.

(Detection equipment should be calibrated in a refrigerant-free area) It should be ensured that the detector is not a possible ignition source and is suitable for the refrigerant used. Leak detection equipment should be set at a percentage of the LFL of the refrigerant used. Leak detection equipment should be set at a percentage of the LFL of the refrigerant and should be calibrated to the refrigerant employed and the appropriate percentage of gas (25% maximum) is confirmed. Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine must be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work. If a leak is suspected, all flames must be extinguished. If a leakage of refrigerant is spotted which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shutting off the valves) in a part of the system away from the leak. Oxygen free nitrogen (OFN) should then be purged through the system both before and during the brazing process.

12. Removal and evacuation

When interfering with the refrigerant circuit

|Warnings (for using R290/R32 refrigerant only)

in order to make any repairs or for any other purposes, conventional procedures should be applied. However, it is strongly suggested that safe practice is followed, and flammability should be taken under consideration.
The following procedure should be followed as to:
Remove refrigerant,
Purge the circuit with inert gas,
Evacuate,
Purge again with inert gas,
Open the circuit by performing a cut or brazing.
The refrigerant charge should be recovered into the assigned and correct recovery cylinders, The system must be flushed with OFN to render the unit safe, This process may be repeated several times. The use of Compressed air oxygen may not be used for this act.
Flushing may be achieved by breaking the vacuum in the system with OFN and continuing to fill until the working pressure has been achieved, then venting to atmosphere, and finally pulling down to a vacuum. This process should be repeated until no refrigerant is left within the system. When the final OFN charge is used, the system shall be vented down to atmospheric pressure to enable any work to be performed. This operation is absolutely crucial if brazing operations on the pipe-work are intended to take place.
Ensure that the outlet for the vacuum pump is not close to any ignition sources and there is plenty of ventilation available

13. Charging procedures

In addition to conventional charging procedures, the following requirements should be followed.
Ensure that the contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimise t he amount of refrigerant contained in them.
Cylinders shall be kept in an upright position.
Ensure that the refrigeration system is earthed prior to charging the system with any refrigerant.
Label the system when charging is complete (if not labeled already).
Extreme care mustl be taken not to overfill the refrigeration system. Prior to recharging the system, it must be pressure tested with OFN. The system must also be leak tested on completion of charging but prior to commissioning. A follow up leak test should be carried out prior to leaving the site.

14. Decommissioning

Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its details. It is considered as good practice that all refrigerants are recovered safely. Prior to the task being carried out, an oil and refrigerant sample shall be taken, in the event that analysis is required prior to re-use of reclaimed refrigerant. It is essential that electrical power is available before the task is commenced.
a) Become familiar with the equipment and its operation.
b) Electrically isolate the system.
c) Before attempting this procedure please 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 manufacturer's 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 refrigeration system unless it has been cleaned and checked.

15.Labelling

Equipment must be labelled stating that it has been

|Warnings (for using R290/R32 refrigerant only)

de-commissioned and emptied of refrigerant. The label must be dated and signed. Ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.

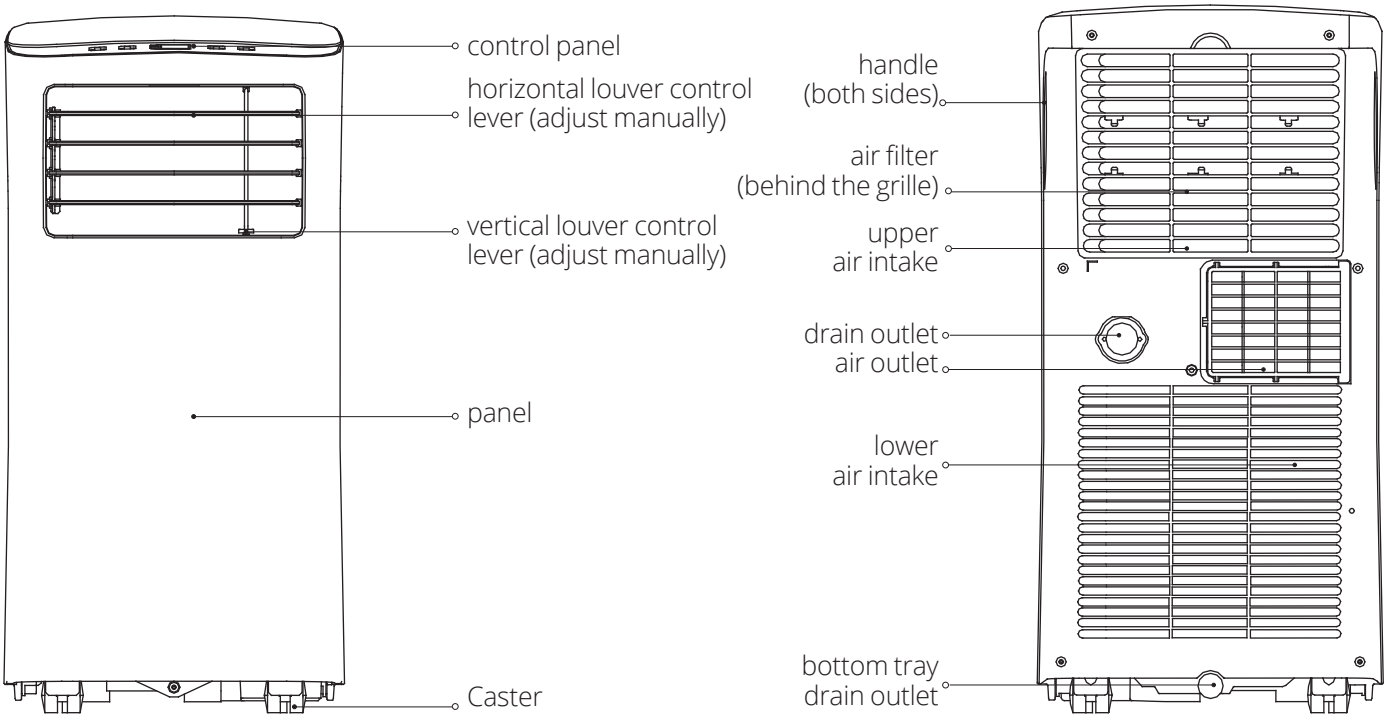
16.Recovery

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed in a safe manner.

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 is 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. 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. Before using the recovery machine, check that it is in satisfactory working order, has been properly maintained and that any associated electrical components are sealed to prevent ignition in the event of a refrigerant release. Consult manufacturer if in doubt.
The recovered refrigerant shall be returned to the refrigerant supplier 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 evacuation process shall be carried out prior to returning the compressor to the suppliers. Only electric heating to the compressor body shall be employed to accelerate this process. When oil is drained from a system, it shall be carried out safely.

Important Note Regarding Fluorinated Gasses

-Fluorinated greenhouse gases are contained in firmly sealed equipment. For specific information on the type, the amount and the CO2 equivalent in tonnes of the fluorinated greenhouse gas (on some models), please refer to the relevant label on the unit itself.
-Installation, service, maintenance and repair of this unit must be performed only by a certified technician.
-Unit un-installation and the recycling of, must be performed by a certified technician.

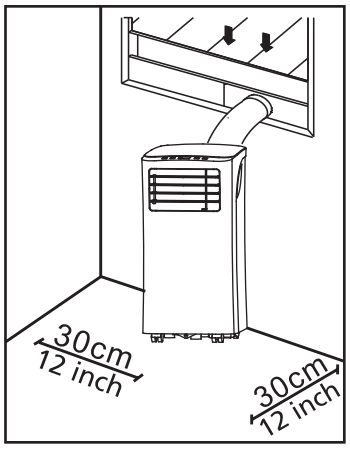

control panel
horizontal louver control lever (adjust manually)
vertical louver control lever (adjust manually)
panel
Caster
handle (both sides)
air filter (behind the grille)
upper air intake
drain outlet
air outlet
lower air intake
bottom tray drain outlet

Front

rear

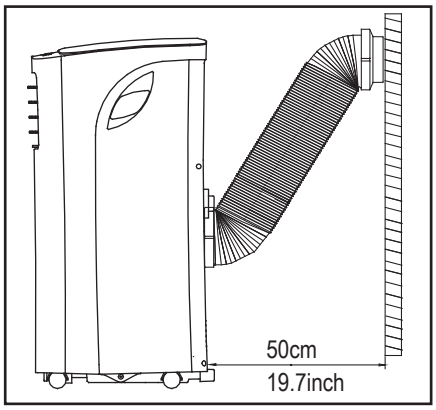
|Installation

Choosing The Right Location



-The air conditioner should be placed on sturdy grounds to minimize noise and vibration. For safe and secure positioning, place the unit on a smooth, level floor strong enough to support the unit.
-The unit must be placed near a properly rated grounded outlet.
-Allow at least 30cm of space from the wall for efficient air-conditioning.
-Never obstruct the air inlet or outlet of the unit

Recommend Installation



NOTE:
All the illustrations in this manual are for explanatory purposes only. Your air conditioner may be slightly different. The actual shape and size may vary.
The unit can be controlled by the unit control panel alone or with the remote controller. This manual does not include Remote Controller Operations, see the <<Remote Controll Illustration>> packed with the unit for details.
There is the possibility of differences between the user's manual and the illustrated photos of the remote control, always refer to the manual for information.

Tools Needed

Medium Philips screwdriver; -Tape measure or ruler; -Knife or scissors; -Saw (optional, to shorten window adaptor for narrow windows)

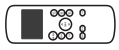
Accessories

Check your window size and choose the fit window slider.

|Installation

Europe

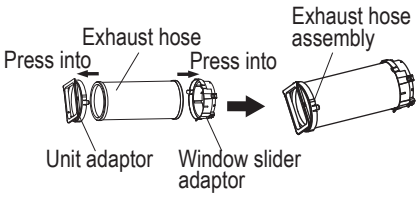
Part	Description	Quantity
	Unit Adaptor	1 pc
	Exhaust Hose	1 pc
 *	Window Slider Adaptor	1 pc
 *	Wall Exhaust Adaptor A (only for wall installation)	1 pc
 *	Wall Exhaust Adaptor B (with cap) (only for wall installation)	1 pc
*	Screw and anchor (only for wall installation)	4 set
 *	Window Slider A	1 pc
 *	Window Slider B	1 pc

Part	Description	Quantity
 *	Bolt	1 pc
 *	Security Bracket and Screw	1 set
	Drain Hose	1 pc
*	Foam Seal C (Non-adhesive)	1 pc
*	Foam Seal A (Adhesive)	2 pc
 *	Foam Seal B (Adhesive)	2 pc
	Remote Controller	1 pc

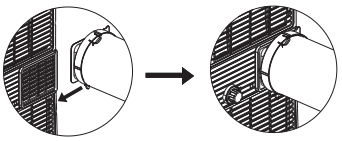
NOTE: Items with * are optional. Slight variations in design may occur.

Window Installation Kit

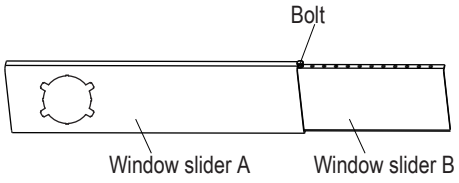
Step One: Preparation of the Exhaust Pipe
Apply pressure to the exhaust pipe and the window adaptor one side, and the unit adaptor on the other, attach with the use of the elastic buckles located on the adaptors.

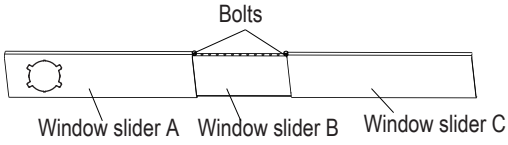


Step Two: Install the Exhaust hose assembly to the unit
Attach the exhaust hose in the air outlet of the unit with the use of the arrows.



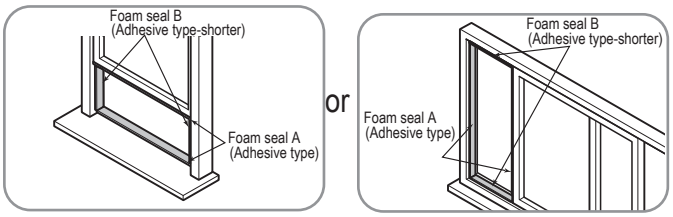
Step Three: Preparing the Adjustable Window Slider
1. Depending on the window size, make necessary adjustments on the window slider.
2. If the length of the window requires two window sliders, use the bolt to fasten the window sliders once they are adjusted to the proper length.
3. For some models, if the length of the window requires three window sliders(optional), use two bolts to fasten the window sliders once they are adjusted to proper length.



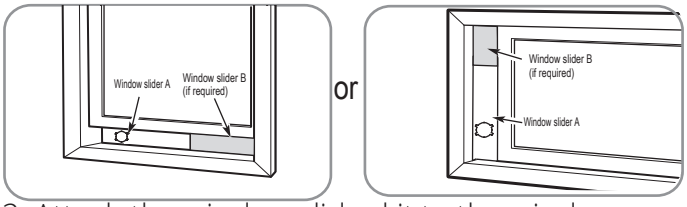


|Installation

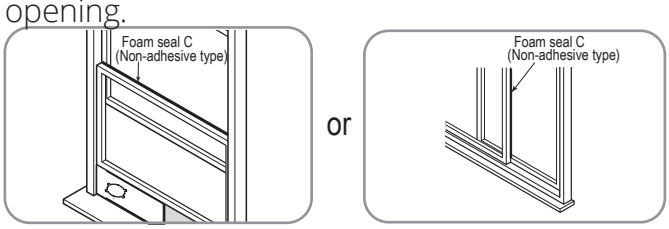
Note: Once the Exhaust Hose assembly and Adjustable Window Slider are prepared, choose from one of the following installation methods.
Type 1: Hung Window or Sliding Window Installation(optional)



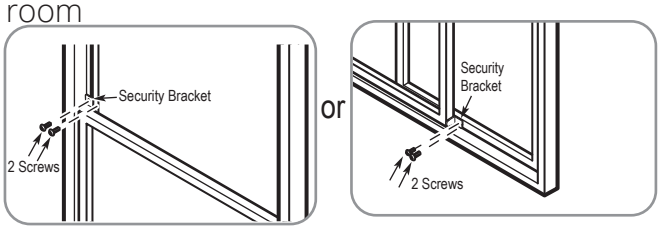
1. Cut the foam seal (adhesive type) to the proper length and attach it to the window frame.



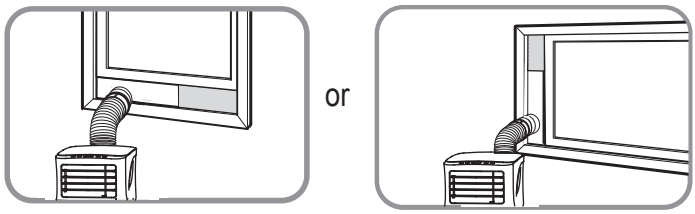
2. Attach the window slider kit to the window opening.



3. Cut the non-adhesive foam seal C strip to match the width of the window. Insert the seal between the glass and the window frame to prevent air and insects from getting into the room

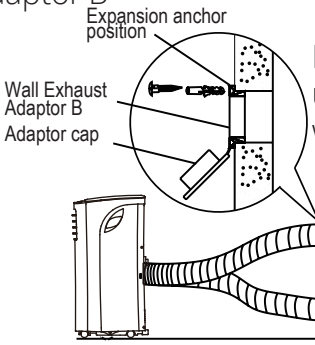


4. If desired, install the security bracket with 2 screws as shown.



5. Insert the window slider adaptor into the hole of the window slider

Type 2: Wall Installation (optional)
1.Cut a 125mm (4.9inch) hole into the wall for the Wall Exhaust Adaptor B. 2.Secure the Wall Exhaust Adaptor B to the wall using the four Anchors and Screws provided in the kit. 3.Connect the Exhaust Hose Assembly (with Wall Exhaust Adaptor A) to the Wall Exhaust Adaptor B



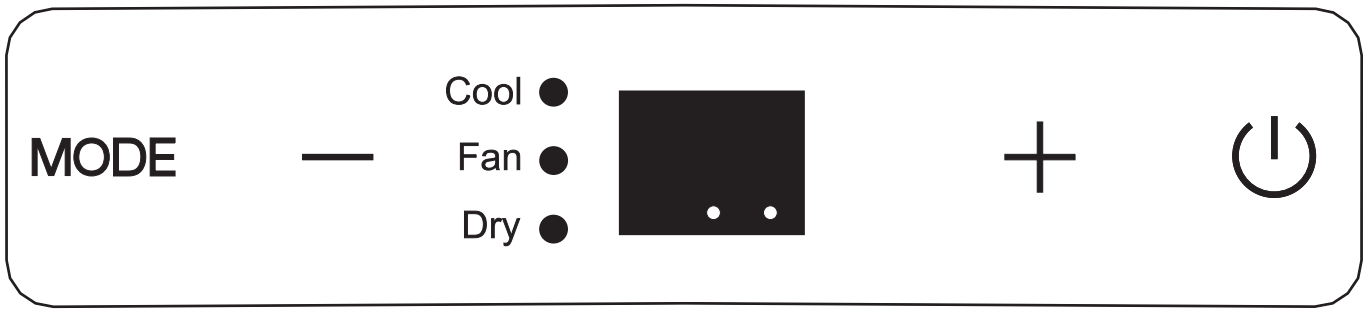
Note: Cover the hole using the adaptor cap when not in use.

Note: To ensure proper function, DO NOT overextend or bend the hose. Make sure that there is no obstacle around the air outlet of the exhaust hose (in the range of 500mm) in order to the exhaust system works properly. All the illustrations in this manual are for explanation purpose only.

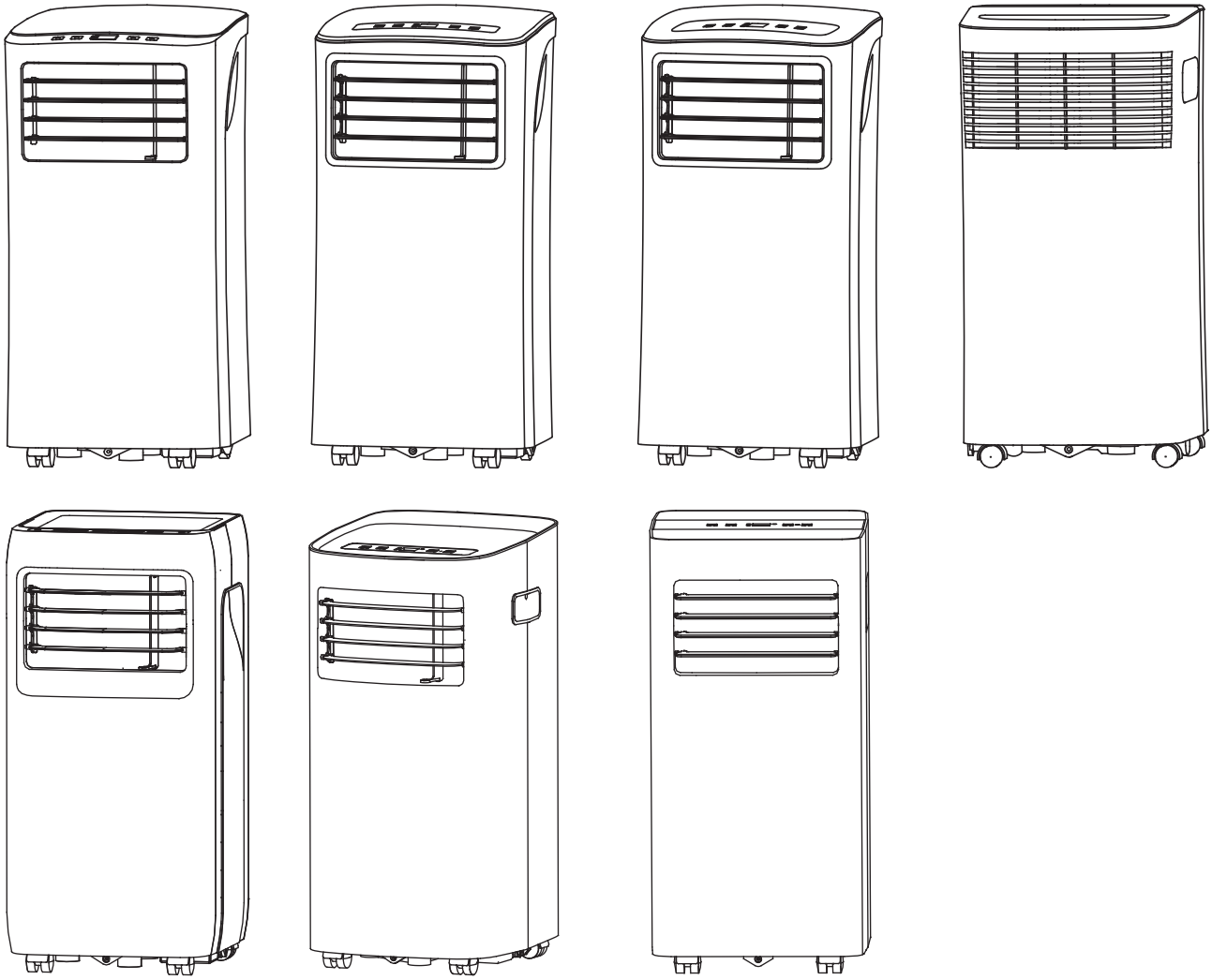
Your air conditioner may be slightly different. The actual shape shall prevail.

|Operation

Control panel



NOTE: The unit that you have purchased may look similar to one of the following:



|Operation

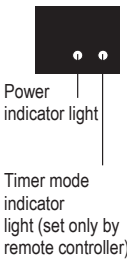
MODE MODE button
Choose the desired operating mode. By pressing the MODE button each time an operation is selected in the following order: COOL – FAN – DRY. Indication led will illuminate under the desired MODE setting.
NOTE: On above modes, the unit operates the auto fan speed automatically. You can set fan speed only by the remote controller on COOL and FAN modes.

– + Up (+) and Down (-) buttons Are used to set the temperature in increments of 1°C or 2°F ranging from 17°C (62°F) to 30°C (86°F).
NOTE: The remote control may display the temperature in both Fahrenheit or Celsius. To change press and hold the up/ down buttons for 3 sec.

Power button
Power switch on/off.

LED display

Shows the set temperature while on cool mode.



While on DRY and FAN modes, it shows the room temperature. Shows Error codes:
E1-Room temperature sensor error.
E2-Evaporator temperature sensor error.
E4-Display panel communication error.
EC-Refrigerant leakage detection malfunction (on some models).
Shows protection code:
P1-Bottom tray is full--Connect the drain hose and drain the collected water away.If protection repeats,call for service.
Note: When one of the above malfunctions occurs, turn off the unit, and check for any obstructions. Restart the unit, if the malfunction is still present, turn off the unit and unplug the power cord. Contact the manufacturer or its service agents or a similar qualified person for service.

Exhaust hose installation
The exhaust hose and its adaptor should be installed or removed according to the usage mode. Under COOL mode the exhaust hose must be installed, under FAN or DRY the exhaust hose should be removed

Operation Instructions
COOL operation
-Press the "MODE" button until the "COOL" indicator light comes on.
-Press the ADJUST buttons "+" or "-" to select your desired room temperature. The temperature can be set within a range of 17°C~30°C/62°F~88°F(or 86°F).
-Press the "FAN SPEED" button on the remote cotroller to choose the fan speed.

DRY operation
-Press the "MODE" button until the "DRY" indicator light is active.
-Under DRY mode, the fan speed or adjusting the temperature is not possible. The fan operates under low speed.
-For optimal dehumidifying please keep all windows and exits shut.
-Do not put the duct to window.

FAN operation
-Press the "MODE" button until the"FAN " indicator light comes on.
-Press the "FAN SPEED" button on the remote cotrollerto choose the fan speed. The temperature can not be adjusted.
-Do not put the duct to window.

|Operation

Other features

SLEEP/ECO operation

This feature can be activated with the use of the remote control only. When SLEEP mode is activated the set temperature will increase by 1C/2F within 30 minutes. The set temperature will again increase by another 1C/2F during the next half hour. This new temperature will be maintained for the next 7 hours, after the duration of the above time frame the unit will return to the initial set temperature and ending the SLEEP mode. This feature is not available under DRY or FAN mode.

AUTO-RESTART

In the event of power loss the unit will regain operation, once power resumes, with the last settings.

AIR FLOW DIRECTION ADJUSTMENT

Adjust the air flow direction manually:

-The louver can be set to the desired position manually.

-Do not place any heavy objects or other loads on the louver, doing so will cause damage to the unit.

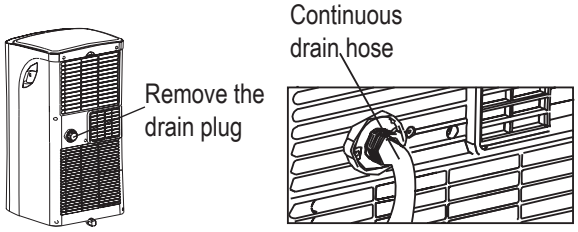
-Keep the louver fully opened during operation.

WAIT 3 MINUTES BEFORE RESUMING OPERATION

Once the unit has stopped its operation, it can not be restarted within the first 3 minutes, for the protection of the device. Operation will automatically restart after 3 minutes.

Water drainage

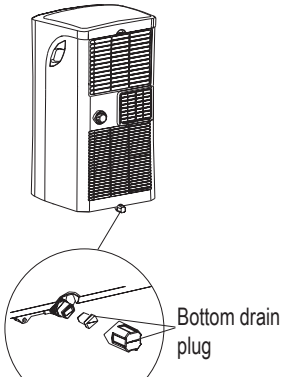
When under dehumidifying mode, remove the drain plug for the back of the unit and install the drain connector (5/8 universal female mender) with a 3/4 hose (may be purchased locally). For models without the drain connector, please attach the drain hose to the outlet, while placing the other side of the hose directly over the drainage port of your basement floor.



NOTE: Be certain the hose is secure without any leaking. Direct the hose toward the drain, in such a manner that there are no breaks or bents securing smooth water flow. When the continuous drain hose is not of use, ensure the drain plug is installed firmly to prevent possible leakage.

When the water level of the bottom tray reaches a predetermined level, the unit beeps 8 times; the digital display area shows “PI”. At this time the air conditioning/dehumidification process will immediately stop. However, the fan motor will continue to operate (this is normal). Carefully move the unit to a drain location, remove the bottom drain plug and let the water drain. Re-install the bottom drain plug and restart the machine until the “PI” symbol disappears. If the error persists, please call for service.

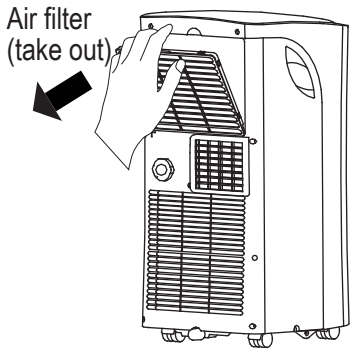
NOTE: Be sure to reinstall the bottom drain plug firmly to revent leakage before using the unit.



|Maintenance

WARNING:
-Be sure to unplug the unit before cleaning or servicing
-DO NOT use flammable liquids or chemicals to clean the unit.
-Do not wash the unit directly under a tap or using a hose as it may cause electrical shock.
-DO NOT operate this unit if the power cable is damaged in any way. If the power cord is damaged it must be replaced from the product manufacturer and never repaired.

Clean the Air Filter



Remove the air filter

CAUTION
DO NOT operate the unit without filter because dirt and lint will clog it and reduce performance.
Maintenance Tips
- Clean the air filter every two weeks to prevent inferior fan operation due to dust.
-The water collection tray must be drained immediately in the event that the error P1 appears on the digital control panel, and also before storage to prevent the possibility of mold growth.
-In households with animals, you will have to periodically wipe down
the grill to prevent blocked airflow due to animal hair.

Clean the Unit

Use a damp lint-free cloth to clean the unit enclosure. Dry with a clean and lint free cloth cloth.

Store the unit when not in use

-Drain the unit's water collection tray as per the instructions in the following section.
-Operate the device on FAN mode for 12 hours in a warm room to dry and prevent the possibility of mold growth.
- Power off the unit and unplug.
-Clean the air filter as per the instructions in the previous section. Reinstall the clean and dry filter before storing.
-Batteries from the remote control should be removed.
-Store in a cool, shady area. Any exposure directly to sunlight or in extreme heat situations may minimize the lifespan of this device.

NOTE: The main chassis and front of the unit may be cleaned with by using a lint-free cloth and soapy water (using a mild detergent) Dry with a clean cloth. The use of harsh cleansers, or the waxing and polishing of the unit is strongly not advised. When cleaning the digital control panel be certain the cloth is dry as any water around the controls may cause damage to the unit.

|Troubleshooting

Please refer to the below prior to contacting customer support.

Problem	Possible Cause	Troubleshooting
Unit does not turn on when pressing ON/OFF button	P1 Error Code	The Water Collection Tray is full. Turn off the unit, drain the water from the Water Collection Tray and restart the unit.
	In COOL mode: room temperature is lower than the set temperature	Reset the temperature
Unit does not cool well	The air filter is blocked with dust or debris	Turn off the unit and clean the filter according to instructions
	Exhaust pipe is not connected or is blocked	Turn off the unit, disconnect the hose, check for blockage and reconnect the hose
	The unit is low on refrigerant	Call a service technician to inspect the unit and top off refrigerant
	Temperature setting is too high	Lower the set temperature
	The windows and doors in the room are open	Confirm all windows and exits are shut
	The room area is too large	Double-check the cooling area
	There are heat sources inside the room	Remove the heat sources if possible
The unit is noisy and vibrates too much	The ground is not level	Place the unit on a flat, level surface
	The air filter is blocked with dust or debris	Turn off the unit and clean the filter according to instructions
The unit makes a gurgling sound	This sound is caused by the flow of refrigerant inside the unit	This is normal

|Design and Compliance Notes

Design Notice:
The design and the specifications of this unit are subject to change at any given moment, without prior notice, for the improvement of the product. Always consult with the after sales department or the manufacturer for further details. Manuals are also subject to updates and you should always check for the latest version by visiting the manufacturer's website.

Energy Rating Information
The energy rating of this unit is based on typical installation with the use of the provided, and not extended, exhaust pipe, without the use of the window slider adaptor or the wall exhaust adaptor A (as shown in the Installation section of this manual) The unit should be operating under COOL mode and HIGH fan speed set by the remote controller.

Unit Temperature Range

Mode	Temperature Range
Cool	17-35°C (62-95°F)
Dry	13-35°C (55-95°F)

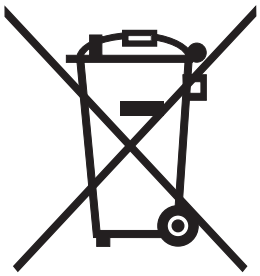
NOTE: To be in compliance EN 61000-3-11, the product CLCO290-09 / CLCO290-09BS /CHLCO-09WK shall be connected only to a supply of the system impedance: | Zsys|=0.437 ohms or less,
Before connect the product to public power network, please consult your local power supply authority to ensure the power network meet above requirement.

|Sociable Remark

When using this unit in the European countries, the following information must be followed:

DISPOSAL: Do not dispose this product as unsorted municipal waste. This appliance requires special treatment for disposal.

It is prohibited to dispose of this appliance in domestic household waste.
There are several possibilities for disposal:
A. Your local municipality has established free collection systems for electronic waste.
B. Your local retailer will take back the old product with the purchase of a new product.
C. The manufacture will take back the old appliance for disposal.
D. The old products contain valuable resources and sometimes can be sold to scrap metal dealers.
Do not dispose this product randomly into the environment. The hazardous substances can leak into the ground-water supply and find their way into the food chain, endangering your health and the environment.



All the pictures in the manual are for explanatory purposes only. The actual shape of the unit you purchased may be slightly different, but the operations and functions are the same.
The company may not be held responsible for any misprinted information. The design and the specifications of the product for reasons, such as product improvement, are subject to change without any prior notice.
Please consult with the manufacturer at +30 211 300 3300 or with the Sales agency for further details. Any future updates to the manual will be uploaded to the service website, and it is advised to always check for the latest version.

Scan here to download the latest version of this manual.
www.inventorappliances.com/manuals

Activate your Warranty

- Visit our web site and activate your warranty via the below link or by scanning the QR code

https://www.inventorappliances.com/warranty-card

- Fill all the fields as shown below

To activate the warranty card, please fill in the following fields

Owner details

Full Name*

Address*

Postal Code*

Phone Number*

E-mail*

Subscribe to Inventor's Newsletter

Unit details

Unit Type*

Serial Number of the unit*

Date of Purchase*

Invoice Number*

Additional Details

* Required field

With the current warranty card you accept **the terms and conditions.**

SEND

☑ once the warranty submission has been completed a confirmation message will be sent to your email

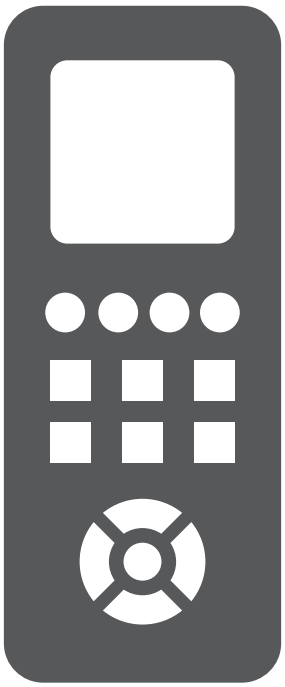
AIR CONDITIONING SYSTEMS

PORTABLE

v 1.1

AIR CONDITIONING SYSTEMS
REMOTE CONTROLLER

• USER'S MANUAL



MODEL:
CLCO290-09
CLCO290-09BS
CHLCO-09WK

ENGLISH

CONTENTS

Remote control specifications 2

Function buttons 3

Using the remote control 4

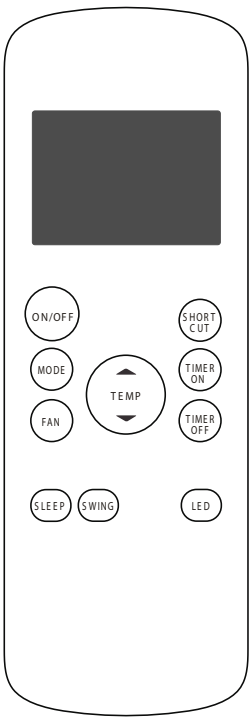
Remote LED screen indicators 5

How to use the basic functions..... 6

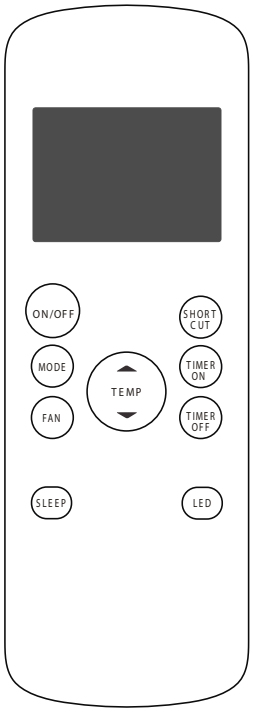
How to use the advanced functions 13

Remote Control Specifications

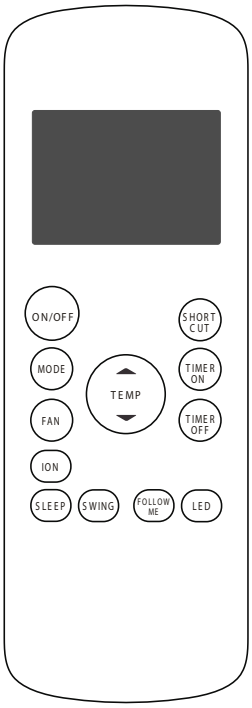
Model	RG57H(B)/BG(C)E;RG57H1(B)/BG(C)E;RG57H2(B)/BG(C)EF;RG57H3(B)/BG(C)EFU1; RG57H3(B)/BG(C)EF; RG57H1 (B)/BG(C)E-M; RG57H(B)/BG(C)EU1; RG57H4(B)/BG(C)EFU 1; RG57H (B)/BGC E-M; RG57H (B)/BGC EU1 -M
Rated Voltage	3.0V(Dry batteries R03/LR03X2)
Signal Receiving Range	8m
Environment	-5°C~60°C(23°F~140°F)



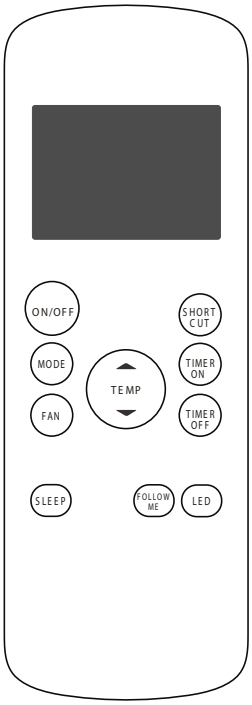
RG57H(B)/BG(C)E
RG57H(B)/BG(C)EU1
RG57H(B)/BG(C)EU1-M
RG57H(B)/BG(C)E-M



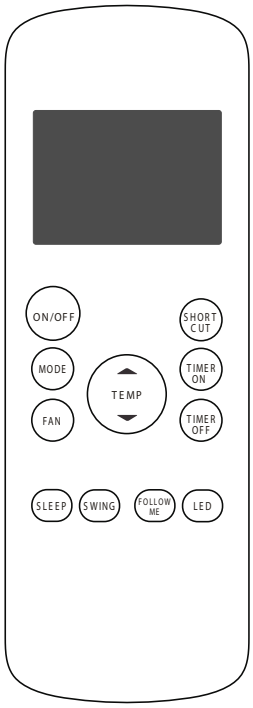
RG57H1 (B)/BG{C)E;
RG57H1 (B)/BG(C)E-M



RG57H2(B)/BG(C)EF



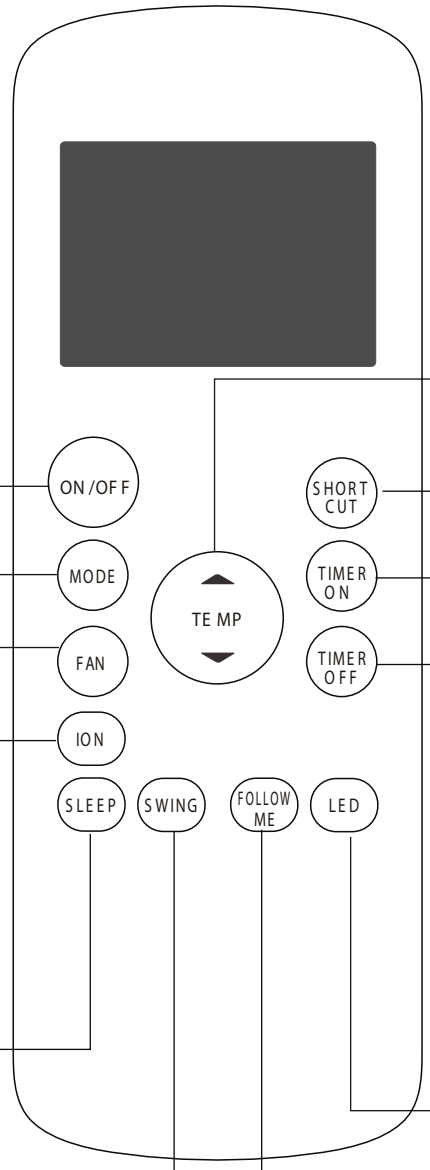
RG57H3(B)/BG(C)EF
RG57H3(B)/BG(C)EFU1



RG57H4(B)/BG(C)EFU1

Function Buttons

Before you begin using your new air conditioner, make sure to familiarize yourself with its remote control. The following is a brief introduction to the remote control itself. For instructions on how to operate your air conditioner, refer to the How to Use Basic Functions section of this manual.



ON/OFF

Turns the unit on or off.

MODE

Scrolls through operation modes as follows:
AUTO COOL DRY HEAT FAN

***NOTE**: Please do not select HEAT mode if the unit you purchased is cooling only. The cooling only appliance does not support heat mode.*

FAN SPEED

Selects fan speeds in the following order: AUTO LOW MED HIGH

NOTE: Med is not available.

ION (Not available)

Press this button, the Ionizer is energized and will help to remove pollen and impurities from the air.

SLEEP

Saves energy during sleeping hours.

SWING (Not available)

Starts and stops louver movement.

FOLLOW ME (Not available)

Temperature sensing and room temperature display button.

SHORT CUT

Sets and activates your favorite pre-settings.

TEMP

Increases temperate in increments of 1°C (1°F). Max. temperature is 30°C (86°F).

TEMP

Decreases temperate in increments of 1°C (1°F). Min. temperature is 17°C (62°F).
NOTE: Press and hold and buttons together for 3 seconds will alternate the temperature display between the °C & °F scale.

TIMER ON

Sets timer to turn unit on (see How to Use Basic Functions for Instructions)

TIMER OFF

Sets timer to turn unit off (see How to Use Basic Functions for Instructions)

LED

Turns indoor unit's LED display on and off.
If you are sensitive to light when you go to sleep, you can press the LED button to turn off the LED display on the unit. Press the button again to turn it back on.

NOTE:
Swing, Ion and Follow me features are not available. RG57H1 (B)/BG(C) E-M comes without med fan speed.

Using The Remote Control

NOT SURE WHAT A FUNCTION DOES?
Refer to the How to Use Basic Functions and How to Use Advanced Functions sections of this manual for a detailed description of how to use your air conditioner.

SPECIAL NOTE

- Button designs on your unit may differ slightly from the example shown.
- If the unit does not have a particular function, pressing that function's button on the remote control will have no effect.
- If there are a major differences between the "USER'S MANUAL" and the "Remote control Illustration" on function description, please use the description in the "USER'S MANUAL".

Inserting and Replacing Batteries

Put the batteries in the remote control before use.

1. Slide the back cover from the remote Control downward, exposing the battery compartment.
2. Insert the batteries, paying attention to match the (+) and (-) ends of the batteries with the symbols inside the battery compartment.
3. Slide the battery cover back into place.

BATTERY NOTES

For optimum product performance:

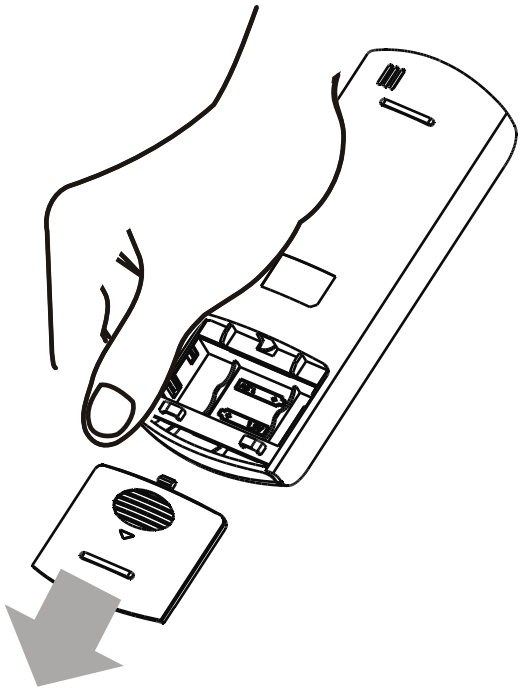
- Do not mix old and new batteries, or batteries of different types.
- Do not leave batteries in the remote control if you don't plan on using the device for more than 2 months.

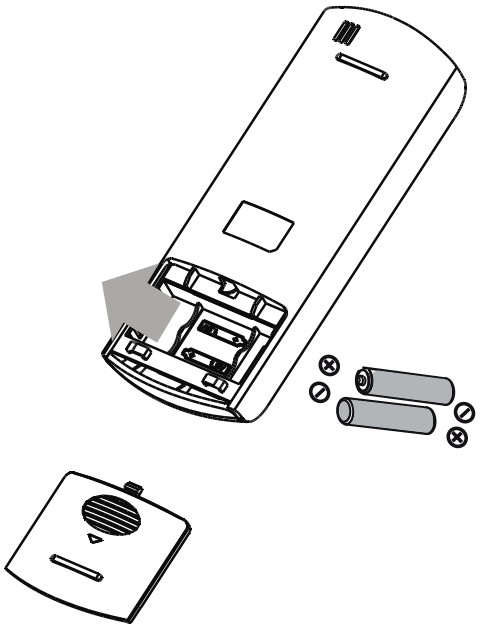
BATTERY DISPOSAL

Do not dispose of batteries as unsorted municipal waste. Refer to local laws for proper disposal of batteries.

TIPS FOR USING REMOTE CONTROL

- The remote control must be used within 8 meters of the unit.
- The unit will beep when the remote signal is received.
- Curtains, other materials and direct sunlight can interfere with the infrared signal receiver.
- Remove batteries if the remote will not be used more than 2 months.





Remote LED Screen Indicators

Transmission Indicator

Lights up when remote sends a signal to the unit

ON/OFF display

Appears when the unit is turned on, and disappears when it is turned off

MODE display

Displays the current mode, including:

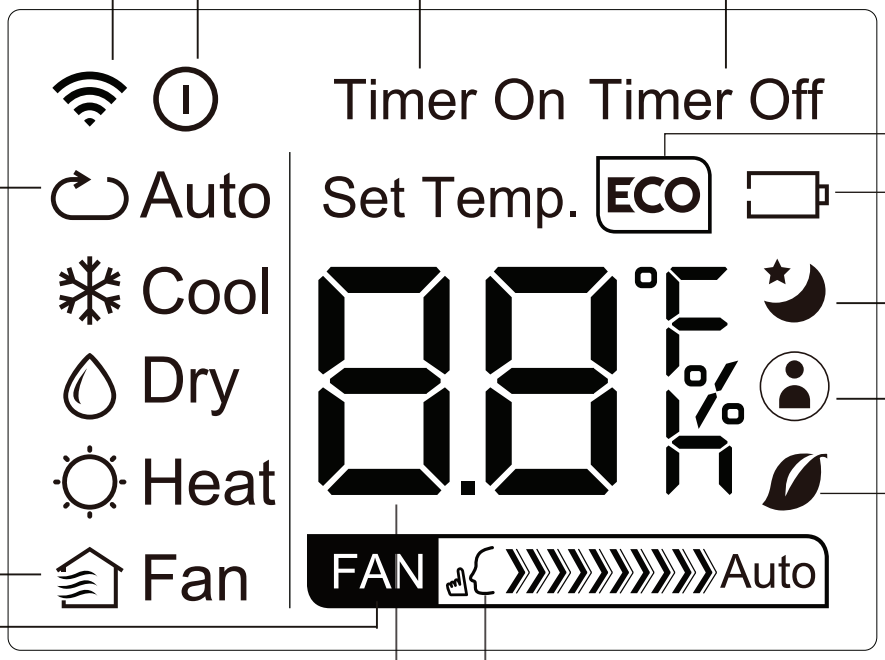
- AUTO
- COO
- DRY
- heat
- FAN

TIMER ON display

Displays when TIMER ON is set

TIMER OFF display

Displays when TIMER OFF is set



ECO display

Not available for this unit

Battery display

Low battery detection

SLEEP display

Displays when SLEEP function is activated

FOLLOW ME display (Not available)

Indicates that the FOLLOW ME function is on

Not available for this unit

FAN SPEED display

Displays selected FAN SPEED: »»»»»»»» HIGH,»»»»»»»» MED, or »»» LOW

This display is blank when set to AUTO speed.

NOTE: MED is not available.

SILENT display

Not available for this unit

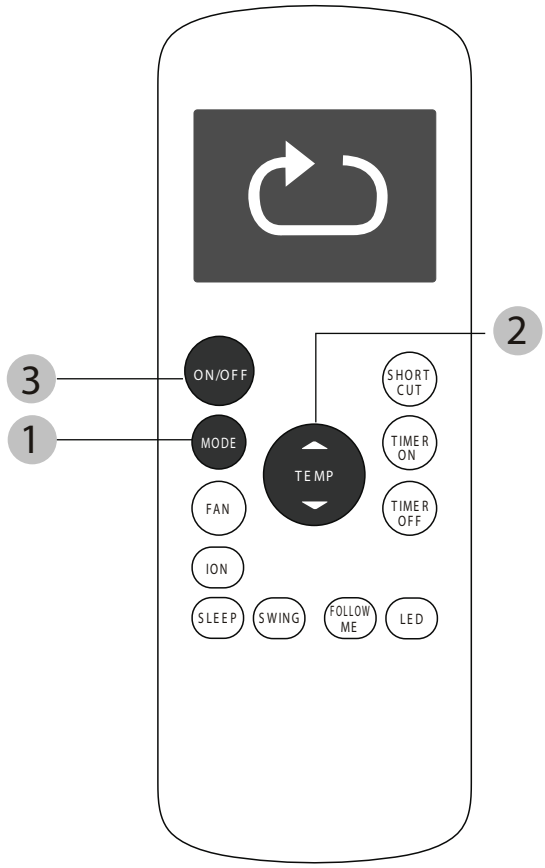
Temperature/Timer display

Displays the set temperature by default, or timer setting when using TIMER ON/OFF functions

- Temperature range: 17-30oC(62°F-86°F)
- Timer setting range: 0-24 hours

This display is blank when operating in FAN mode.

How To Use The Basic Functions



SETTING TEMPERATURE

The operating temperature range for units is 17-30°C (62oF-86°F). You can increase or decrease the set temperature in 1°C (1°F) increments.

AUTO operation

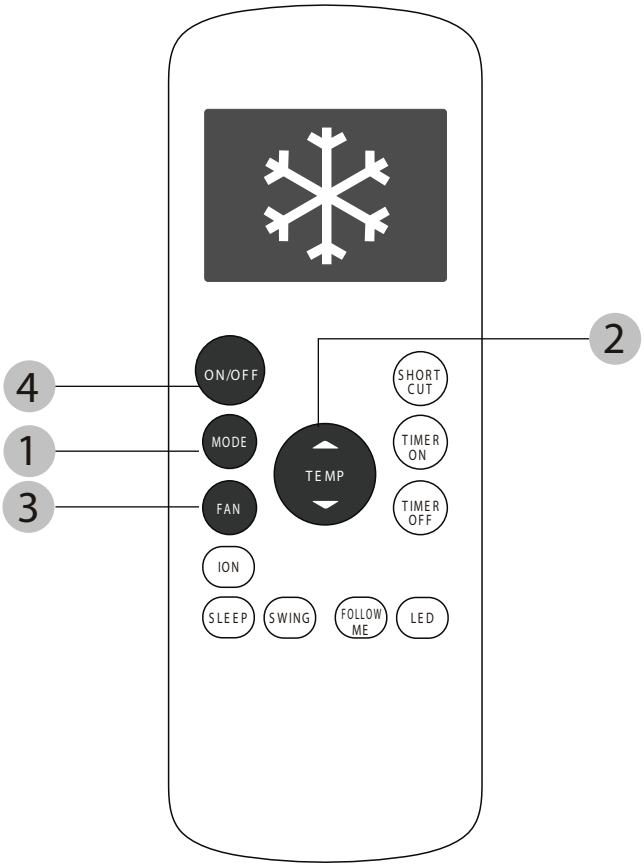
In AUTO mode, the unit will automatically select the COOL, FAN, HEAT or DRY mode Dased on the settemperature.

1. Press the MODE button to select Auto mode,
2. Setyour desired temperature using the Temp ▲ or Temp▼ button.
3. Press the ON/OFF button to start the unit.

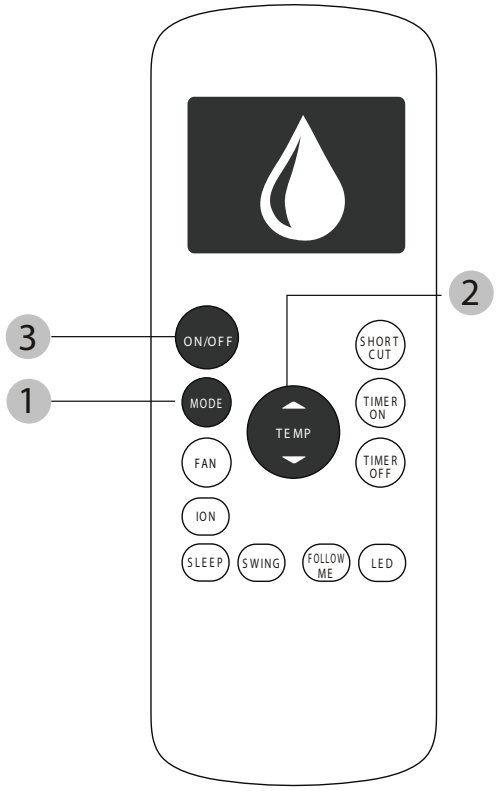
NOTE: FAN SPEED can t be set in Auto mode.

COOL operation

1. Press the MODE button to select COOL mode.
2. Setyour desired temperature using the-Temp^ orTemp'v button.
3. Press the FAN button to select the fan speed: AUTO, LOW, MED, or HIGH.
4. Press the ON/OFF button to start the unit.



How To Use The Basic Functions



DRY operation (dehumidifying)

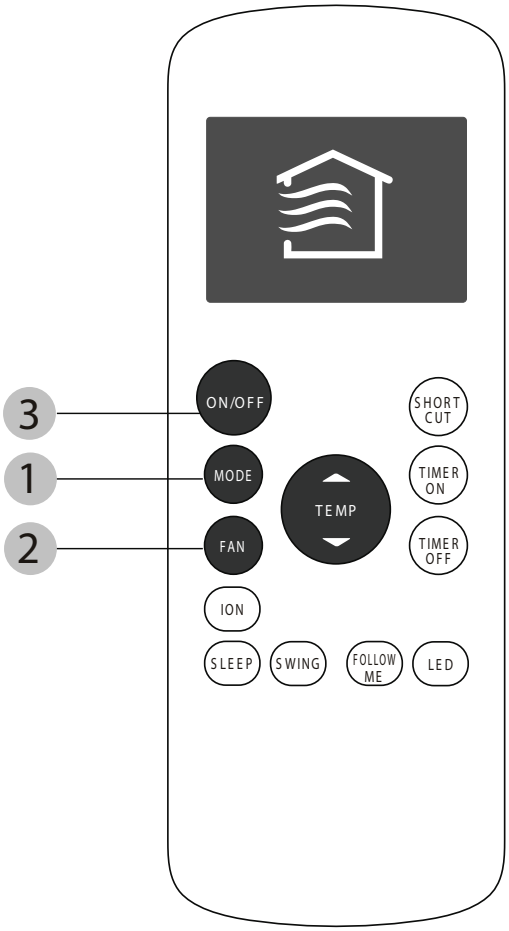
1. Press the MODE button to select DRY mode.
2. Setyour desired temperature using the Temp▲ orTemp ▼ button.
3. Press the **ON/OFF button** to start the unit.

NOTE: FAN SPEED can t be changed in DRY mode.

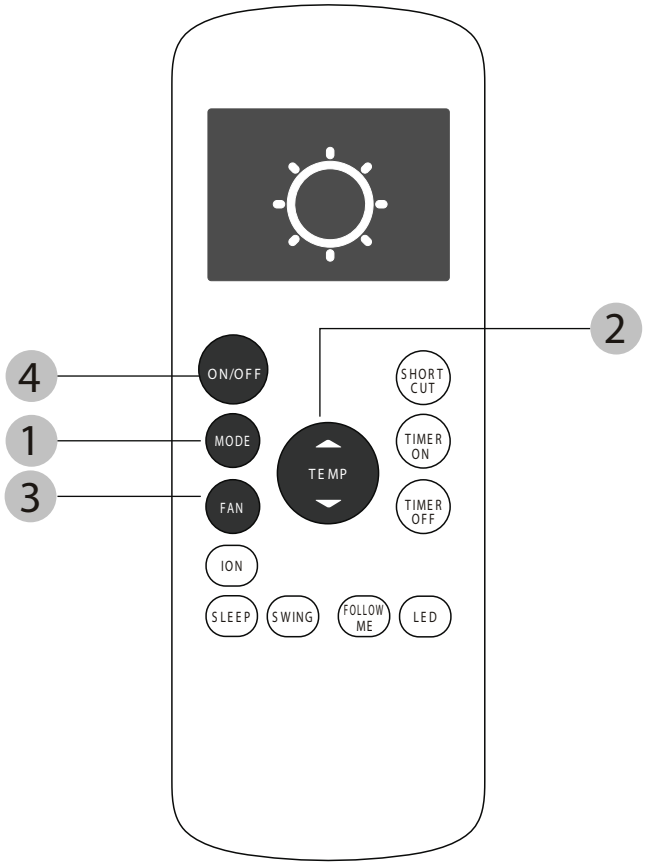
FAN operation

1. Press the MODE button to select FAN mode.
2. Press FAN button to select the fan speed: AUTO, LOW, MEDor HIGH.
3. Press the **ON/OFF button** to start the unit.

NOTE: You can't settemperature in FAN mode. As a result, your remote control's LCD screen will notdisplay temperature.



How To Use The Basic Functions



HEAT operation (Not available)

1. Press the MODE button to select HEAT mode.
2. Setyour desired temperature using the Temp ▲ or Temp ▼ button.
3. Press the **FAN** button to select the fan speed: AUTO, LOW, MED, or HIGH.
4. Press the **ON/OFF** button to start the unit.

NOTE: As outdoor temperature drops, the performance ofyour unit's HEAT function may be affected. In such instances, we recommend using this air conditioner in conjunction with other heating appliances.

Setting the TIMER function

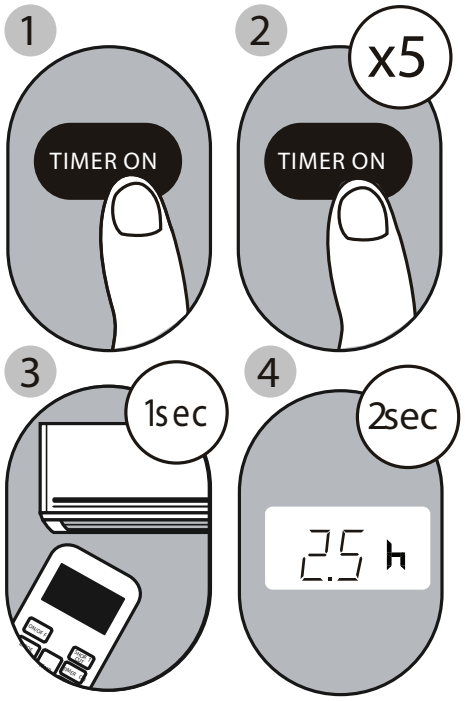
Your air conditioning unit has two timer-related functions:

TIMER ON- sets the amount of time when the unit will automatically turn on.
TIMER OFF- sets the amount of time when the unit will automatically turn off.

TIMER ON function

The **TIMER ON** function allows you to set a time when the unit will automatically turn on, such as when you come home from work.

1. Press the **TIMER ON** button. By default, the last time period thatyou set and an “h” (indicating hours) will appear on the display.
   Note: This number indicates the amount oftime after the current time that you want the unit to turn on.
   For example, if you set **TIMER ON** for 2 hours, “Oh” will appear on the screen, and the unit will turn on after 2 hours.
2. Press the **TIMER ON** button repeatedly to set the time when you want the unit to turn on.
3. Wait 2 seconds, and then the **TIMER ON** function will be activated. The digital display on your remote control will then return to the temperature display.

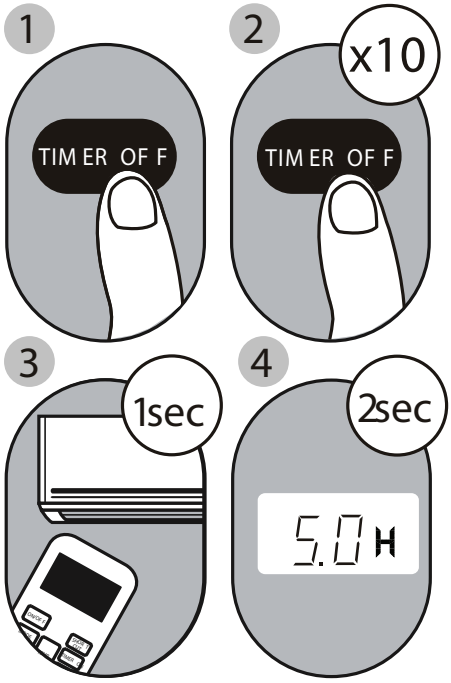


Example: Setting unit to turn on after 2.5 hours.

TIMER OFF function

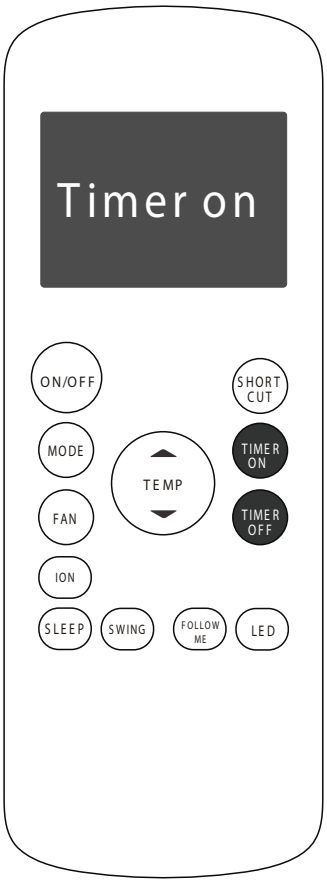
The **TIMER OFF** function allows you to set a time when the unit will automatically turn off, such as when you wake up.

1. Press the**TIMER OFF** button. By default, the last time period thatyou set and an “h” (indicating hours) will appear on the display.
   Note: This number indicates the amount of time after the current time that you want the unit to turn off.
   For example, if you set **TIMER OFF** for 2 hours, “ 2.Oh” will appear on the screen, and the unit will turn off after 2 hours.
2. Press the **TIMER OFF** button repeatedly to set the time when you want the unit to turn off.
3. Wait 2 seconds, and then the **TIMER OFF** function will be activated. The digital display on your remote control will then return to the temperature display.



Example: Setting unit to turn off after 5 hours

NOTE: When setting the **TIMER ON** or **TIMER OFF** functions, up to 10 hours, the time will increase in 30-minute increments with each press. After 10 hours and up to 24, it will increase in 1-hour increments.The timer will revert to zero after 24 hours.
You can turn off either function by setting its timer to” 0.Oh “ .

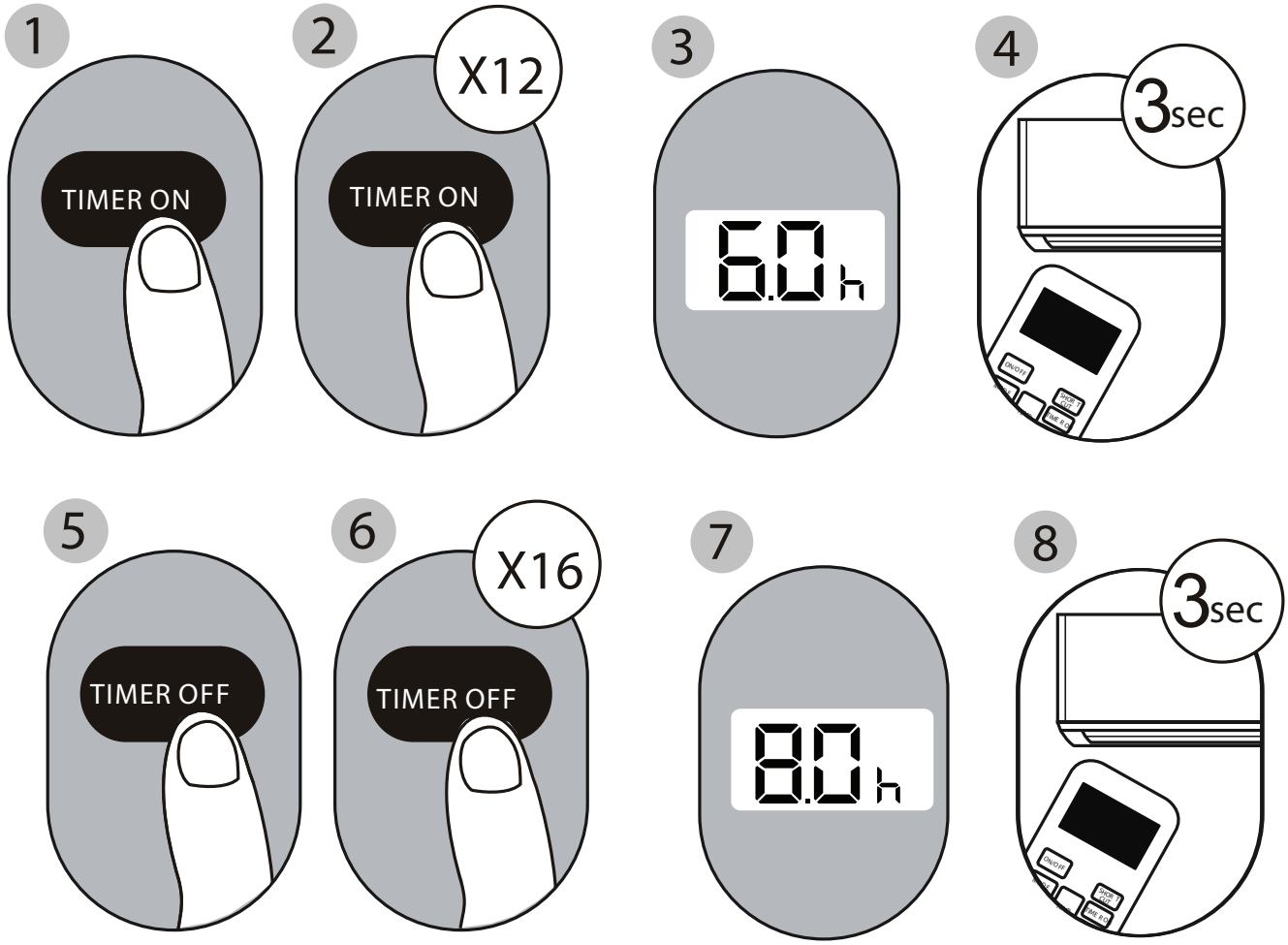


Continue to press **TIMER ON** or **TIMER OFF** until the desired time is reached.

Setting both TIMER ON and TIMER OFF at the same time

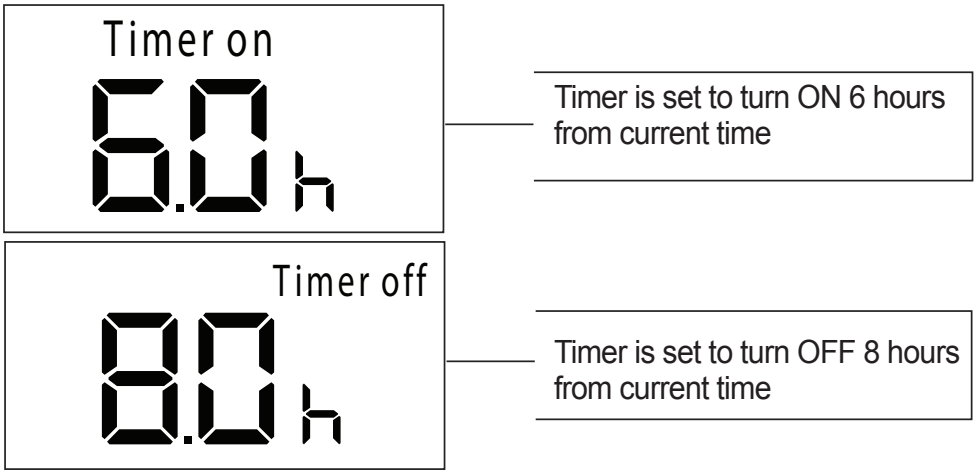
Keep in mind that the time periods you set for both functions refer to hours after the current time. For example, say that the current time is 1:00 PM, and you want the unit to turn on automatically at 7:00 PM. You want it to operate for 2 hours, then automatically turn off at 9:00 PM.

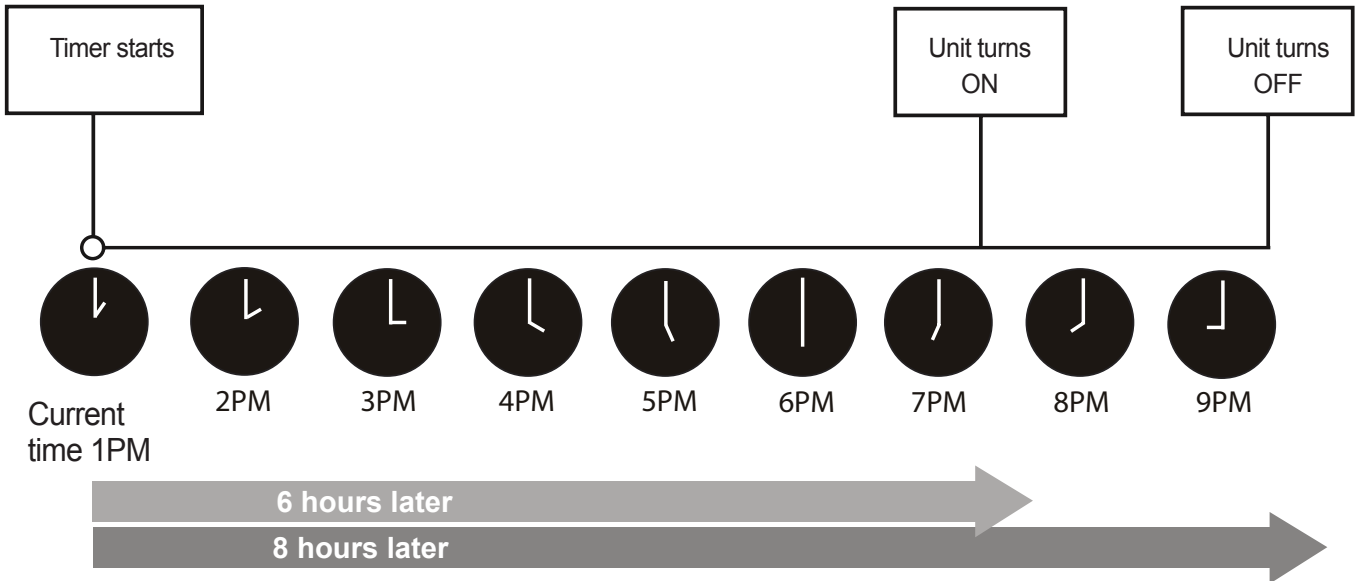
Do the following:



Example: Setting the unit to turn on after 6 hours, operate for 2 hours, and then turn off (see the figure below)

Your remote display



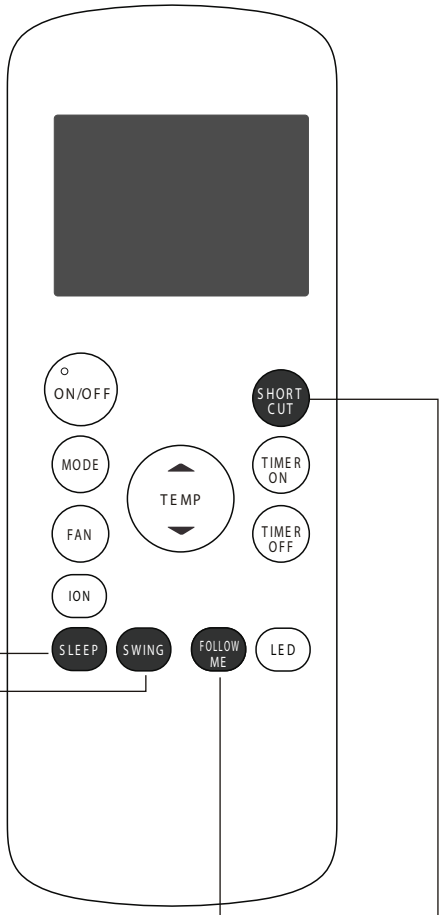


How To Use The Advanced Functions

SLEEP Function

The SLEEP function is used to decrease energy use while you sleep (if you don't need the same temperature settings to stay comfortable). This function can only be activated via remote control.

Note: The SLEEP function is not available in FAN or DRY mode.



SWING Function (Not available)

Used to stop or start louver movement and set the desired up/down airflow direction. The louver changes 6 degrees in angle with each press (on selected models). If you keep it pressed more than 2 seconds, the louver auto swing feature is activated.

FOLLOW ME function (Not available)

The FOLLOW ME function enables the remote control to measure the temperature at its current location. When using AUTO, COOL, or HEAT functions, measuring ambient temperature from the remote control (instead of from the indoor unit itself) will enable the air conditioner to optimize the temperature around you and ensure maximum comfort.

1. Press FOLLOW ME button to activate function. The remote control will send temperature signal to the unit every three minutes.
2. Press FOLLOW ME button again to turn off this function.

SHORTCUT function

- Used to restore the current settings or resume previous settings.
- Push this button when remote controller is on, the system will automatically revert back to the previous settings including operating mode, setting temperature, fan speed level and sleep feature (if activated).
- If pressed more than 2 seconds, the system will automatically restore the current operation settings including operating mode, setting temperature, fan speed level and sleep feature (if activated).

NOTE:

- Button design is based on a typical model and might be slightly different from the actual one you purchased.
- The unit can complete all the functions described. If the unit does not have the feature then the corresponding button on the remote control will not work.
- If there are a major differences between the “USER’S MANUAL” and the “Remote control Illustration” on function description, please use the description in the “USER’S MANUAL”.
- The device should comply with the local national regulations. In Canada, it should comply with CAN ICES-3 (B)/NMB-3 (B). In USA, this device complies with part 15of the FCC Rules. Operation issubject tothe following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  - Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment to an outlet that is different from the one the receiver is connected to.
  - Consult the dealer or an experienced radio/TV technician for help. Changes or modifications not approved by the party responsible for compliance could void user’s authority to operate the equipment.

All the pictures in the manual are for explanatory purposes only. The actual shape of the unit you purchased may be slightly different, but the operations and functions are the same.
The company may not be held responsible for any misprinted information. The design and the specifications of the product for reasons, such as product improvement, are subject to change without any prior notice.
Please consult with the manufacturer at +30 211 300 3300 or with the Sales agency for further details. Any future updates to the manual will be uploaded to the service website, and it is advised to always check for the latest version.

Scan here to download the latest version of this manual.
www.inventorappliances.com/manuals

AIR CONDITIONING SYSTEMS

REMOTE CONTROLLER