



Window Air Conditioner



User's Guide

MODEL: IWA05-LM24

www.impecca.com

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WELCOME

Thank you for purchasing this Window Air Conditioner. Before operating this unit, please read these instructions completely and keep the manual ready for further reference.

IMPORTANT SAFETY INSTRUCTIONS

Before installing and using your air conditioner, please read this owner's manual carefully. Store this manual in a safe place for future reference. Your safety and the safety of others is very important to us. Please pay attention to all safety messages outlined in this user manual.



WARNING

To reduce the risk of fire, electrical shock or injury when using your air conditioner, follow the basic precautions below:

- Plug into a grounded 3 prong outlet.
- Do not remove the ground prong.
- Do not use a plug adapter.
- Do not use an extension cord.
- Unplug the air conditioner before servicing.
- Use two or more people to move and install the air conditioner.



This is a safety alert symbol. This symbol alerts you to potential hazards that can harm you or others or even cause death. All safety messages will directly follow the safety alert symbol and/or the words "DANGER" or "WARNING".



DANGER

Failure to immediately follow these instructions may cause serious injury or even death.



WARNING

All Safety messages alert you of potential hazards, how to reduce the chance of injury, and what can happen if instructions are not followed correctly.

INTRODUCTION TO REFRIGERANTS R32

The refrigerants used for air conditioners are environmentally friendly hydrocarbons R32. This kind of erant is combustibile and odorless. Moreover, it can burn and explode under certain condition. However, there will be no risk of burning and explosion if you comply with the following table to install your air conditioner in a room with an appropriate area and use it correctly.

Compared with ordinary refrigerants, Refrigerant R32 is environmentally friendly and do not destroy the ozone sphere and that its value of greenhouse effect is also very low.



WARNING

- Please read the manual before installation, using, maintenance.
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- Do not pierce or burn the appliance.
- The appliance shall be stored in a room without continuously operating sources (for example: open flames, an operating ignition gas appliance or an operating electric heater.)
- Please contact the nearest after-sale service center when maintenance is necessary. At the time of maintenance, the maintenance personnel must strictly comply with the Operation Manual provided by the corresponding manufacturer and any nonprofessional is prohibited to maintain the air conditioner.
- The handling, installation, storage, servicing and disposal must comply with the provisions of gas-related national laws and regulations, and also national wiring regulation.
- It is necessary to clear away the refrigerant in the system when maintaining or scrapping an air conditioner. Be aware that refrigerants may not contain an odour.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- **Unit operation limits:** Outdoor side 61~110°F, 80%RH, indoor side 61~90°F, 80%RH.



ELECTRICAL REQUIREMENTS



WARNING

ELECTRICAL SHOCK

- Hazard Plug into a grounded 3 prong outlet.
- Do not remove the ground prong.
- Do not use an adapter.
- Do not use an extension cord.
- Failure to follow these instructions can result in death, fire, or electrical shock.



The electrical ratings for your air conditioner are listed on the model and serial number label located on the front left side of the unit (when facing the front). Specific electrical requirements are listed in the chart below. Follow the requirements below for the type of plug on the power supply cord.

Wiring Requirements	Power Supply Cord
115 volt (103min. —127max)	
0-8 amps	
10-amp time-delay fuse or circuit breaker	
Use on single outlet circuit only	

RECOMMENDED GROUND METHOD

For your personal safety, this air conditioner must be grounded. This air conditioner is equipped with a 3 prong power supply cord with a grounded plug. To minimize the possibility of electrical shock, the cord must be plugged into a 3 prong outlet and grounded in accordance with all local codes and ordinances. If a 3 prong outlet is not available, it is the customer's responsibility to have a properly grounded 3 prong outlet installed by a qualified electrician.

IT IS THE CUSTOMER'S RESPONSIBILITY:

- To contact a qualified electrician.
- To assure that the electrical installation is adequate and in conformance with the National Electrical Code, ANSI/NFPA 70-latest edition, and all local codes and ordinances.

LCDI POWER CORD AND PLUG

This air conditioner is equipped with an LCDI (Leakage Current Detection and Interruption) power cord that is required by UL. This power supply cord contains state-of-the-art electronics that sense leakage current. If the cord is damaged and leakage occurs, power will be disconnected from the unit.

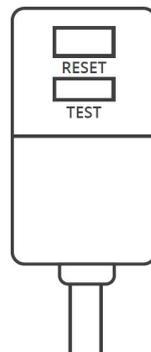
The LCDI power cord and plug will remove the supply source via electrical disconnect (circuit trip) if the nominal current leakage between the cord shield and either load conductor exceeds a predetermined value. The cord will remain deenergized until the device has been manually reset. This is intended to reduce the risk of a fire in the power cord or combustible materials nearby. The cord shields are not grounded and they must be considered a shock hazard if exposed. The cord shield must not be connected to ground or to any exposed metal.

The test and reset buttons on the LCDI Plug are used to check if the plug is functioning properly.

TO TEST THE PLUG:

- Plug power cord into a wall outlet.
- Press the TEST Button, the circuit should trip and cut all power to the air conditioner.
- Press the RESET button for use.

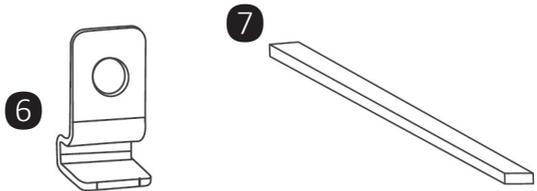
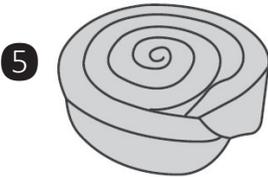
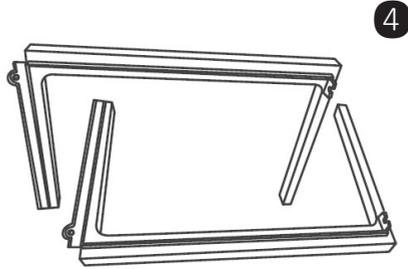
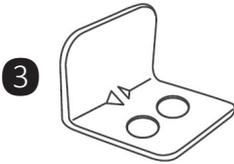
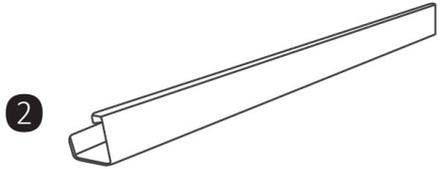
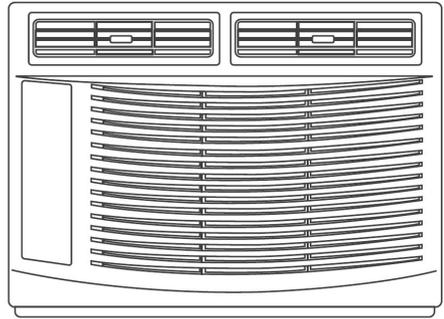
If a test is performed and the indicator light remains ON, the current leakage has been detected. Do not use the air conditioner or attempt to reset the LCDI Plug. Contact Customer Service for troubleshooting recommendations.



SAVE THESE INSTRUCTIONS

PACKING LIST

1. **Window Air Conditioner** (1)
2. **Top Rail** (With sponge) (1)
3. **Sash Lock** (Two holes) (1)
4. **Filler Panels** (2)
(With "Left" & "Right" remark on the front face)
5. **Window Sash Seal** (Sponge) (1)
6. **Lock Frame** (2)
7. **Foam Top Window Gasket** (1)
(Thin sponge for back-up use.)
8. **3/8" Screws** (4)
9. **1/2" Screws** (3)
10. **3/4" Screws** (4)



INSTALLATION & ASSEMBLY INSTRUCTIONS

Some assembly is required for your new air conditioner. Please read and follow these instructions carefully.

- This air conditioner is designed to be installed in a standard double-hung window with a window width between 23" and 34" (584mm-863 mm).
- The air conditioner can be installed without the accordion panels to fit in a narrow window opening. See the window dimensions.
- The Lower Sash (the lower part of the window that moves up and down) must allow for 14.5" of vertical clearance when open. (See Fig.1).
- All supporting parts must be secured to firm wood, masonry, or metal.
- The electrical outlet must be within reach of the power cord.
- The air conditioner should be tilted about 3° for better drainage of condensate and rainwater.

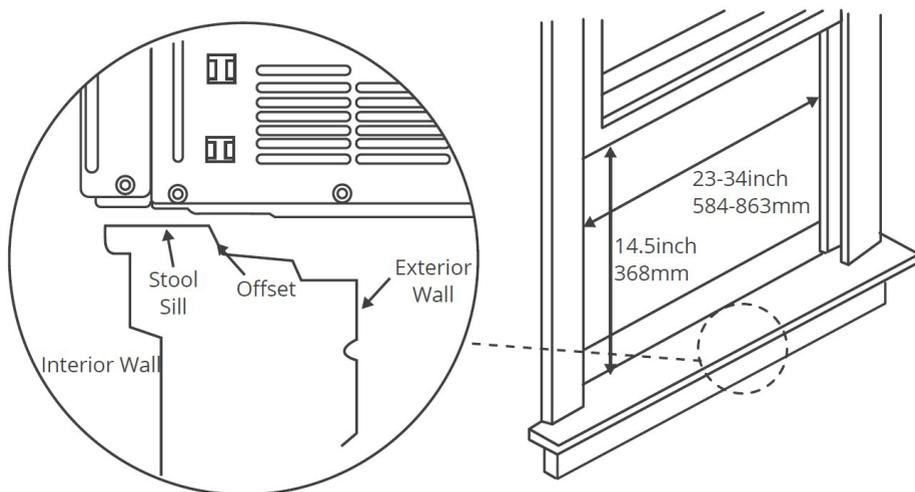


Fig.1

NOTE: Save the product packaging and installation instructions for future reference.

Store the air conditioner in the product box when not in use for an extended period of time.

Top Rail Assembly

The top rail must be assembled prior to installing the air conditioner in the window.

Tools Needed: Phillips Head Screw Driver

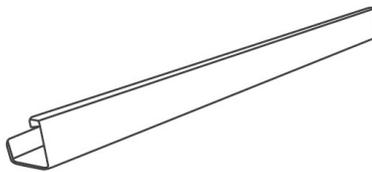
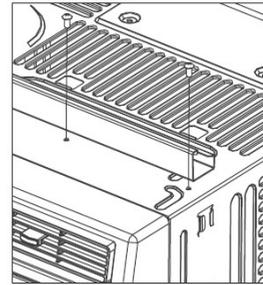
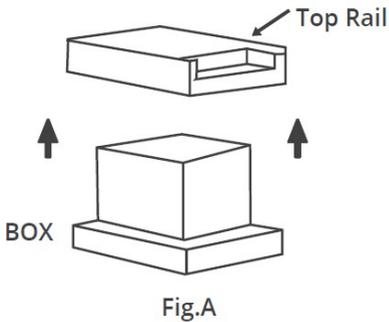
Attaching the Top Rail to the Air Conditioner

- Remove the air conditioner from the box and place on a hard and flat surface.
- Remove top rail from the top of the packaging material as shown in Fig.A.
- Align the hole in the top rail with those in the top of the unit as shown in Fig.B.
- Secure the top rail to the unit with the 3/8" screws as shown in Fig.C.



CAUTION

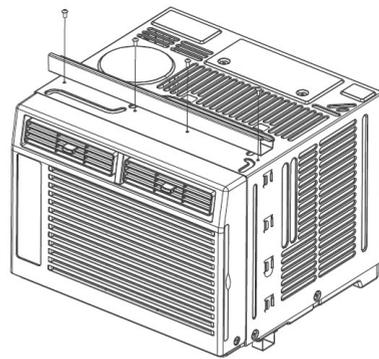
When handling the unit, be careful to avoid cuts from the sharp metal edges and aluminum fins on the front and rear coils.



Top Rail (With sponge) *1



3/8"Screws *4



NOTE: For safety reasons, all 4 screws must be used to attach the top rail.

Accordion Panel Installation

Now that you have installed the top rail, you can now install the accordion panels on each side.

- Place the air conditioner on a hard flat surface.
- Locate the accordion panels in the box.
- Gently pull the free end of the accordion panel (See Fig.2). Do this for both panels.
- Slide the free end of the accordion panel into the side panel of the air conditioner (See Fig.3). Do this for each side.

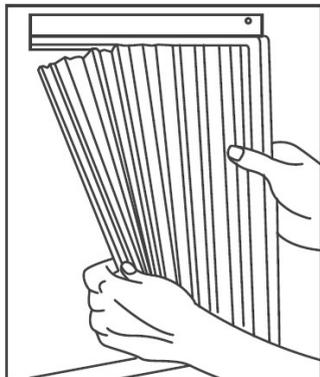


Fig.2

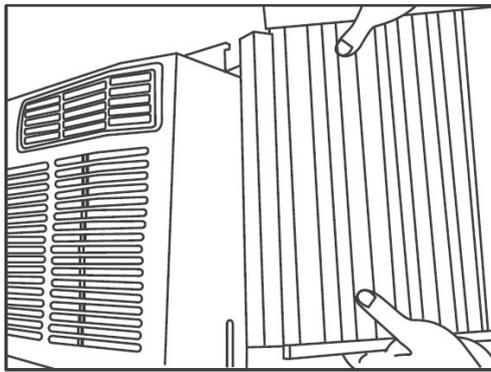


Fig.3

- Once the accordion panels are slid into place adjust the top and bottom rails of the accordion panels into the top and bottom rails of the air conditioner (See Fig.4).

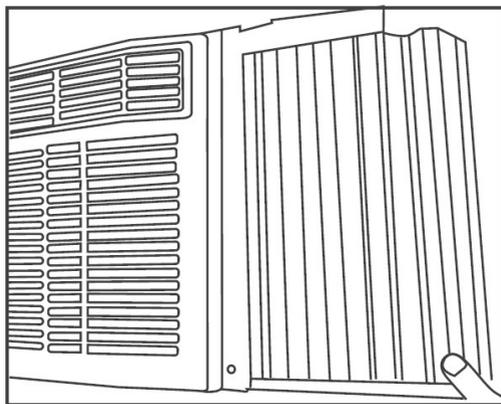


Fig.4

Storm Window Requirements

A storm window frame will not allow the air conditioner to tilt properly which in turn will keep it from draining properly.

To adjust for this, attach a board or piece of wood to the sill. The board or wood piece should have a depth of at least 1-1/2". Make sure the board or piece of wood is approximately 1/2" higher than the storm window frame. This will allow the air conditioner to tilt enough for proper drainage. (See Fig.5).

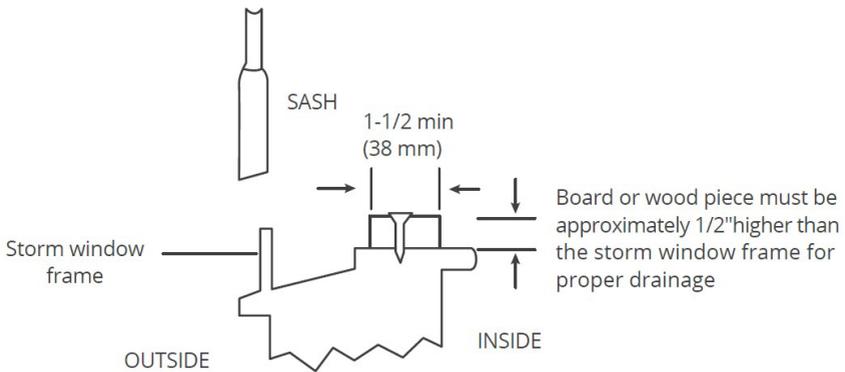


Fig.5

Placing the Unit Inside a Window

- Place the air conditioner on the sill with the bottom mounting rail against its back edge. Center the air conditioner and close the window securely behind the top mounting rail. The air conditioner should be 3° slightly tilted to the outside area. Use a level, about a 1/3 bubble will be the correct case slant to the outside. (See FIG.6 & FIG.7) (It is suggested to keep a downward angle to let accumulated rain water drain out from the back side of the unit bottom.)

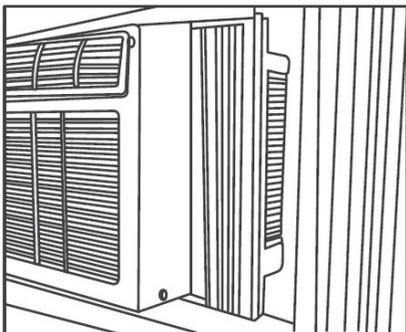


Fig.6

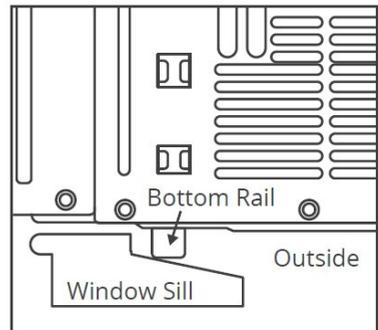


Fig.7

- Once the air conditioner is placed, extend both the left and right accordion panels to the width of the window.

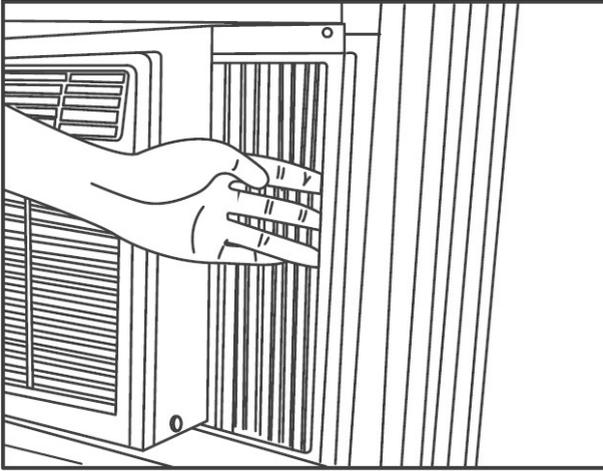


Fig.8

Frame Lock, Sash Lock, and Foam Seal Installation

Mounting Hardware

Tools Needed:

1. Phillips Head Screw Driver
 2. Drill (if pilot holes are needed)
- Place the frame lock between the extended accordion panels and the window sill as show in Fig.9. Screw a 3/4" (19mm) locking screw through the frame lock and into the window sill. (Fig.10)

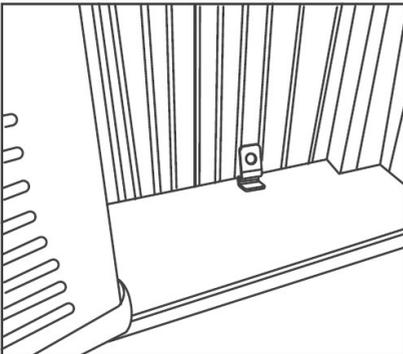


Fig.9

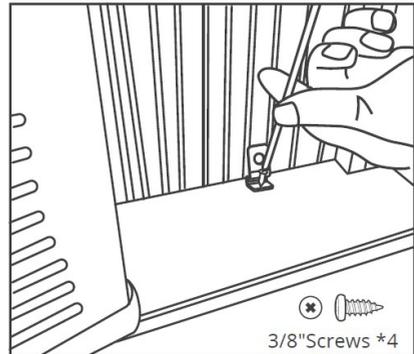


Fig.10

- Drive 1/2" screws into the top of the accordion panel frame and the top rail to securely attach the window air conditioner to the lower sash. (See Fig.11 Fig.12)

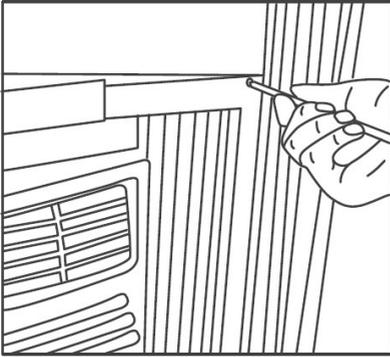


Fig.11

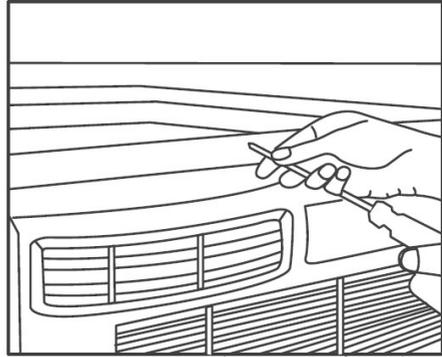


Fig.12

- To secure the lower sash into place, use the sash lock and a 3/4" screw as shown below. (See Fig.13)
- For added insulation, cut the supplied insulation foam to the width of the window. Insert the foam between the window sashes to prevent air and objects from getting into the room. (See Fig.14)

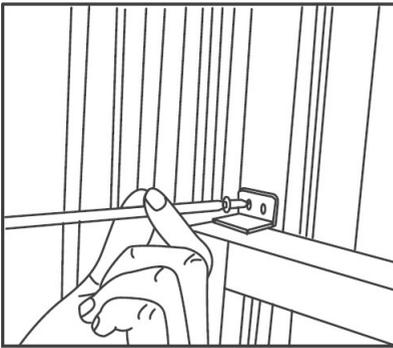


Fig.13

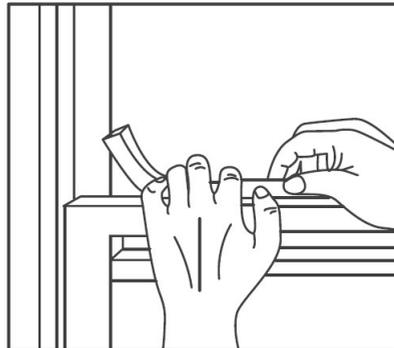


Fig.14

Removing the Air Conditioner from the Window

- Turn the air conditioner off and unplug the power cord.
- Remove the sash seal from between windows, and unscrew sash lock.
- Remove the screws installed through the frame and frame lock.
- Close (slide) the side panels into frame.
- Keeping a firm grip on air conditioner, raise the sash and carefully "rock" air conditioner backward to drain any condensate water in base of unit. Be careful not to spill any remaining water while lifting unit from window.
- Store parts with the air conditioner in the box.

Introduction to Refrigerants R32

Before installing the appliance, you must read the manual carefully to get the safety information and notes.

When filling the combustible refrigerant, any of your rude operations may cause serious injury or injuries to human body or bodies and object or objects.

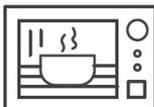
A leak test must be done after the installation is completed.

It is a must to do the safety inspection before maintaining or repairing an air conditioner using combustible refrigerant in order to ensure that the fire risk is reduced to minimum.

It is necessary to operate the machine under a controlled procedure in order to ensure that any risk arising from the combustible gas or vapor during the operation is reduced to minimum.

Requirements for the total weight of filled refrigerant and the area of a room to be equipped with an air conditioner.

1. Site Safety: Open Flames Prohibited, Ventilation Necessary



2. Operational Safety: Mind Static Electricity, Wear Protective Clothing, No Mobile Devices



3. Installation Safety



- 1) Refrigerant Leak Detector
- 2) Appropriate Installation Location
- 3) The left picture is the schematic diagram of a refrigerant leak detector

Please note that:

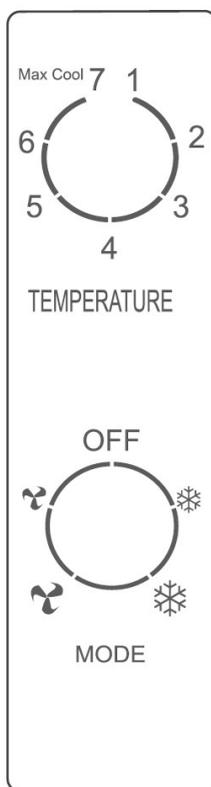
- The installation site should be in a well-ventilated condition.
- The sites for installing and maintaining an air conditioner using Refrigerant R32 should be free from open fire or welding, smoking, drying oven or any other heat source higher than 548°C which easily produces open fire.
- When installing an air conditioner, it is necessary to take appropriate anti-static measures such as wear anti-static clothing and/or gloves.
- It is necessary to choose the site convenient for installation or maintenance wherein the air inlets and outlets of the indoor and outdoor units should be not surrounded by obstacles or close to any heat source or combustible and/or explosive environment.
- If the indoor unit suffers refrigerant leak during the installation, all the personnel should go out till the refrigerant leaks completely for 15 minutes. If the product is damaged, it is a must to carry such damaged product back to the maintenance station and it is prohibited to weld the refrigerant pipe or conduct other operations on the user's site.
- It is necessary to choose the place where the inlet and outlet air of the indoor unit is even.
- It is necessary to avoid the places where there are other electrical products, power switch plugs and sockets, kitchen cabinet, bed, sofa and other valuables right under the lines on two sides of the indoor unit, and also prevent mechanical damage from occurring.

USING YOUR AIR CONDITIONER

Normal Operating Sounds

- You may hear a pinging noise caused by water hitting the condenser, on rainy days, or when the humidity is high. This design feature helps remove moisture and improve efficiency.
- You may hear the thermostat click when the compressor cycles on and off.
- Water will collect in the base pan during rain or days of high humidity. The water may overflow and drip from the outside part of the unit.
- The fan may run even when the compressor is not on.

Manual Control Panel



1. Power: Turn the air conditioner on and off.

2. Cooling Mode: Set to high cooling or low cooling mode. In high cooling mode, the fan will operate at high speed. In low cooling mode, the fan will operate at low speed.

3. Fan Mode: Set to high fan or low fan mode. In high fan mode, the fan will operate at high speed. In low fan mode, the fan will operate at low speed.

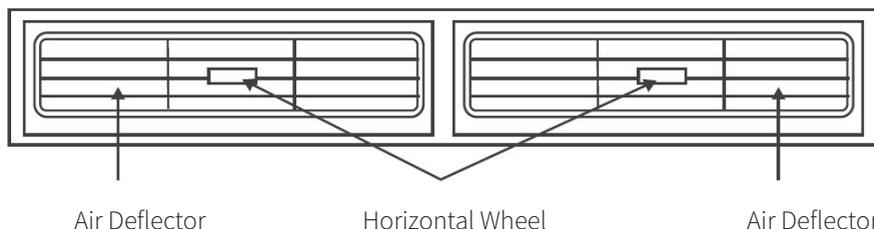
4. Thermostat: Turn the TEMP to the desired room temperature, by set the knob to certain digital direction. For maximum cooling turn the TEMP dial to 7 (Max Cool) direction.

Normal Operating Sounds:

- You may hear a pinging noise caused by water hitting the condenser.
- You may hear the thermostat click when compressor on and off.
- The fan may operate even when the compressor is off.

Directional Louvers:

Use the horizontal wheels to control horizontal airflow and the air deflectors to control vertical airflow.



CARE AND CLEANING

Air Filter Cleaning

The air filter should be checked at least once every month to see if it needs cleaning. Trapped particles and dust can build up in the filter and may decrease airflow as well as cause the cooling coils to accumulate frost.

To clean the air filter:

- Take off the power plug, then remove the filter by sliding it out from the front right side of the air conditioner. (See Fig.15)
- Wash the filter using liquid dish soap and warm water. Rinse the filter thoroughly. Gently shake the filter to remove excess water.
- Let the filter dry completely before placing it into the air conditioner.
- If you do not wish to wash the filter, you may vacuum the filter to remove the dust and other particles.

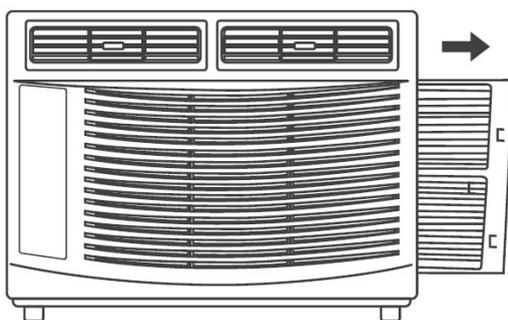


Fig.15

Cabinet Cleaning

To clean the air conditioner cabinet:

- Unplug the air conditioner to prevent shock or a fire hazard. The cabinet and front panel of the air conditioner may be dusted with an oilfree cloth or washed with a cloth dampened in a solution of warm water and mild liquid soap. Rinse thoroughly with a damp cloth and wipe dry.
- Never use harsh cleaners, wax or polish on the cabinet front.
- Be sure to wring excess water from the cloth before wiping around the controls. Excess water in or around the controls may cause damage to the air conditioner.

Winter Storage

To store the air conditioner when it is not in use for an extended period of time, remove it carefully from the window according to the installation instructions and cover it with plastic or place it in the original box.

TROUBLESHOOTING

Problem	Possible Cause	Possible Solutions
The Air Conditioner will not start.	The air conditioner is unplugged.	Make sure the air conditioner plug is pushed completely into the outlet.
	The fuse is blown/circuit breaker is tripped.	Check the house fuse/circuit breaker box and replace the fuse or reset the breaker.
	Power failure.	The unit will automatically re-start when power is restored. There is a protective time delay (approx.3 minutes) to prevent tripping of the compressor overload. For this reason, the unit may not start normal cooling for 3 minutes after it is turned back on.
	The current interrupter device is tripped.	Press the RESET button located on the power cord plug. If the RESET button will not stay engaged,discontinue use of the air conditioner and contact a qualified service technician.

Problem	Possible Cause	Possible Solutions
The Air Conditioner does not cool as it should	Airflow is restricted	Make sure there are no curtains, blinds, or furniture blocking the front of the air conditioner.
	The temperature control may not be set correctly	Lower the set thermostat temperature.
	The air filter is dirty	Clean the filter. See the Cleaning and Care Section of the manual.
	The room may be too warm	Please allow time for the room to cool down after turning on the air conditioner.
	Cold air is escaping	Check for open furnace registers and cold air returns.
	The cooling coils are frozen	See "Air Conditioner Freezing Up" below.
The Air Conditioner is freezing up.	Ice blocks the air flow and stops the air conditioner from cooling the room	Set the MODE dial to HIGH FAN or HIGH COOL and set the thermostat to a higher temperature.
Water is dripping outside	Hot and humid weather	This is normal.
Water is dripping inside the room	The air conditioner is not correctly tilted outside	For proper water drainage, make sure the air conditioner is slightly tilted downward from the front of the unit to the rear.
Water collects in the base pan	Moisture removed from the air is draining into the base pan	This is normal for a short period in areas with low humidity and normal for a longer period in areas with high humidity.

CUSTOMER SUPPORT

Visit our website to contact us, find answers to Frequently Asked Questions, and for other resources which may include an updated version of this user's manual.



If you wish to contact us by phone, please be sure to have your model number and serial number ready and call us between 9:00am and 6:00pm ET, at +1 866-954-4440.

Keep tabs on Impecca's newest innovations and enter contests via our social network feeds:

 www.facebook.com/Impecca/

 www.instagram.com/impecca/

 [@impeccausa](https://twitter.com/impeccausa)

ONE-YEAR LIMITED APPLIANCE WARRANTY (US)

Impecca™ warrants this product against defects in material and workmanship to the original purchaser as specified below.

PARTS AND LABOR– if the product is determined to have a manufacturing defect, within a period of one year from the date of the original purchase, Impecca™, at its own discretion, will repair or replace the product parts at no charge to you in the U.S.A.

To obtain warranty service by an authorized Impecca™ service center, please email us at: service@impecca.com to obtain a Repair and Maintenance Authorization (RMA) number and received instructions on how the repair and/or replacement procedure will take place.

Any glass materials included with the appliance will be covered for a period of 60 days from purchase.

Impecca™ specifically excludes from this warranty any non-electric/mechanical attachments, accessories and disposable parts including but not limited to outside case, connecting cables, batteries and AC adapters. Impecca™ reserves the right to repair or replace defective products with the same, equivalent or newer models.

We reserve the right to either repair or replace product at our discretion. Replacement may be either new or refurbished and while every endeavor will be made to ensure it is the same model, if not possible it will be equal or higher specification.

Normal "Wear and Tear" is not covered by this warranty. Further, Impecca™ hereby reserves the right to determine "Wear and Tear" on any and all products. Tampering or opening the product casing or shell will void this warranty in its entirety.

Exclusions: This warranty does not cover the following:

1. Any product that has a defaced or covered serial number.
2. Products that have been transferred to a second owner.
3. Rust on the interior or exterior of the unit.
4. Products listed as "As-Is" or "Refurbished."
5. Food loss due to any product failure.
6. Window air conditioners installed in a wall.
7. The product if used in a commercial setting.
8. Service calls that do not involve product malfunction.
9. Service calls for a product ruined by not following the provided instructions.
10. Service calls to correct improper installation.
11. Costs associated with making the product accessible for servicing (including but not limited to removal of

trim/molding/cabinetry, etc.)

12. Service calls to replace any consumables such as light bulbs, filters, etc.
13. Surcharges that may apply to service calls on weekends, nights, holidays. Damages to the finish of appliance or household furnishings due to installation of appliance.
14. Damages caused by any of the following: Acts of God; fires; misuse; accidents; incorrect power supply; service performed by unauthorized persons; use of non-genuine Impecca parts, etc.

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