

# Dual-Hose Portable Air Conditioner User Manual

**Model: IPAC12-KR2**

## Read This Manual

Inside you will find many helpful hints on how to use and maintain your air conditioner properly. Just a little preventive care on your part can save you a great deal of time and money over the life of your air conditioner. You'll find many answers to common problems in the chart of troubleshooting tips. If you review our chart of Troubleshooting Tips first, you may not need to call for service at all.

### CAUTION

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazardous situation.
- The appliance shall be installed in accordance with national wiring regulations.
- Do not operate your air conditioner in a wet room such as a bathroom or laundry room.
- Contact an authorized service technician for repair or maintenance of this unit. Contact an authorized installer for installation of this unit.

# CONTENTS

---

## **SAFETY PRECAUTIONS**

Safety rules .....	2
Operating conditions .....	2
Electrical information .....	3

## **IDENTIFICATION OF PARTS**

Accessories .....	3
Names of parts.....	4

## **AIR CONDITIONER FEATURES**

Electronic control operating instructions .....	5
---	---

## **OPERATING INSTRUCTIONS**

Operating instructions .....	6
------------------------------	---

## **INSTALLATION INSTRUCTIONS**

Location .....	8
Window kit installation .....	8
Exhaust hose installation .....	11
Water drainage .....	12

## **CARE AND MAINTENANCE**

Care and maintenance .....	13
----------------------------	----

## **TROUBLESHOOTING TIPS**

Troubleshooting .....	14
-----------------------	----

### **NOTE**

The rating data indicated on the energy label is based on the testing condition of installing the un-extended air exhaust duct without adaptor A & B (The duct and the adaptor A & B are listed in the accessories chart of the Instruction Manual).

## SAFETY PRECAUTIONS

### Safety rules

To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring instructions may cause harm or damage.

#### ! Always do this

- Your air conditioner should be used in such a way that it is protected from moisture: e.g. condensation, splashed water, etc. Do not place or store your air conditioner where it can fall or be pulled into water or any other liquid. Unplug immediately if exposed.
- Always transport your air conditioner in a vertical position and stand on a stable, level surface during use.
- Turn off the product when not in use.
- Always contact a qualified person to carry out repairs. If the supply cord is damaged it must be repaired by a qualified technician.
- Keep an air path of at least 30cm all around the unit from walls, furniture and curtains.
- If the air conditioner is knocked over during use, turn off the unit and unplug from the main power supply immediately.

#### ⊘ Never do this

- Do not operate your air conditioner in a wet room such as a bathroom or laundry room.
- Do not touch the unit with wet or damp hands or when barefoot.
- Do not press the buttons on the control panel with anything other than your fingers.
- Do not remove any fixed covers. Never use this appliance if it is not working properly, or if it has been dropped or damaged.
- Never use the plug to start and stop the unit. Always use the switch on the control panel.
- Do not cover or obstruct the inlet or outlet grilles. Do not use hazardous chemicals to clean or come into contact with the unit. Do not use the unit in the presence of flammable substances or vapor such as alcohol, insecticides, gasoline, etc.
- Do not allow children to operate the unit unsupervised.
- Do not use this product for functions other than those described in this instruction manual.

#### Save Energy

- Use the unit in the recommended room size.
- Locate the unit where furniture cannot obstruct the air flow.
- Keep blinds/curtains closed during the sunniest part of the day.
- Keep the filters clean.
- Keep doors and windows closed to keep cool air in and warm air out.

### Operating conditions

The air conditioner must be operated within the temperature range indicated below:

MODE	ROOM TEMPERATURE
COOL	62°F (17°C) - 95°F (35°C)
DRY	55°F (13°C) - 95°F (35°C)

### Suggested tools for window kit installation

1. Screwdriver (medium size Phillips)
2. Tape measure or ruler
3. Knife or scissors
4. Saw (In the event that the window kit needs to be cut down in size because the window is too narrow for direct installation)

## IDENTIFICATION OF PARTS

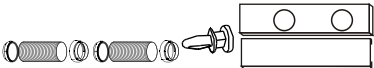


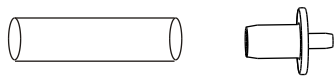
### **⚠ WARNING For your safety**

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Avoid fire hazard or electric shock. Do not use an extension cord or an adaptor plug. Do not remove any prong from the power cord.

### **⚠ WARNING Electrical Information**

- Be sure the electrical service is adequate for the model you have chosen. This information can be found on the serial plate, which is located on the side of the cabinet and behind the grille.
- Be sure the air conditioner is properly grounded. To minimize shock and fire hazards, proper grounding is important. The power cord is equipped with a three-prong grounding plug for protection against shock hazards.
- Your air conditioner must be used in a properly grounded wall receptacle. If the wall receptacle you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker, have a qualified electrician install the proper receptacle.
- Ensure the receptacle is accessible after the unit installation.

### **Accessories**

PARTS:	PART NAMES:	QUANTITY:
	Exhaust hose and Adaptor I and Adaptor B Window Slider Kit and bolt (diagram not to scale)	1 set
	Foam seal and adhesive foam seal	2 pcs.
	Remote Controller and Batteries (2x AAA)	1 pc.
	Drain hose(※) and drain hose adaptor(※)	1 pc.

**NOTE: Optional parts (※), some models without.**

- Check that all the accessories are included in the package and please refer to the installation instructions for their usage.

NOTE: All the illustrations in this manual are for explanation purpose only. Your air conditioner's actual shape may be slightly different.

# IDENTIFICATION OF PARTS

## PARTS NAMES

### Front

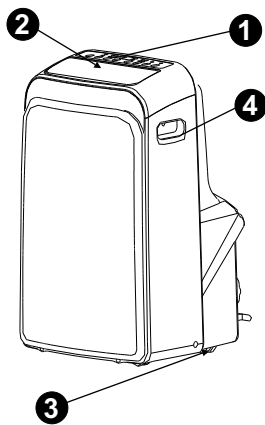


Fig.1

- ❶ Operation panel
- ❷ Horizontal louver blade (swings automatically)
- ❸ Caster
- ❹ Carrying handle (both sides)

### Rear

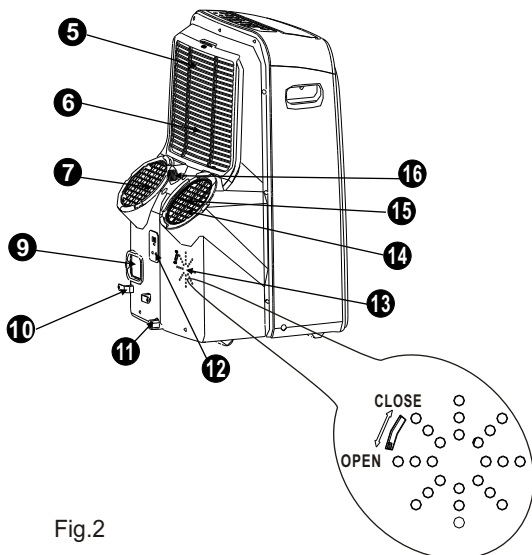


Fig.2

- ❺ Air filter (Behind the grille)
- ❻ Air intake
- ❼ Air outlet
- ❽ Power cord outlet
- ❾ Power cord buckle (Used only when storing the unit)
- ❿ Bottom tray drain outlet
- ⓫ Power plug socket (Use only when storing the unit)
- ⓬ Vent control
- ⓭ Air inlet
- ⓮ Air filter
- ⓯ Drain outlet

## AIR CONDITIONER FEATURES

### ELECTRONIC CONTROL OPERATING INSTRUCTIONS

Before you begin, thoroughly familiarize yourself with the control panel and remote controller and all its functions, then follow the symbol for the functions you desire.

**The unit can be controlled by the unit control panel alone or with the remote controller.**

**NOTE: This manual does not include Remote Controller Operations, see the <<Remote Controller Instruction>> packed with the unit for details.**

### OPERATION PANEL OF THE AIR CONDITIONER

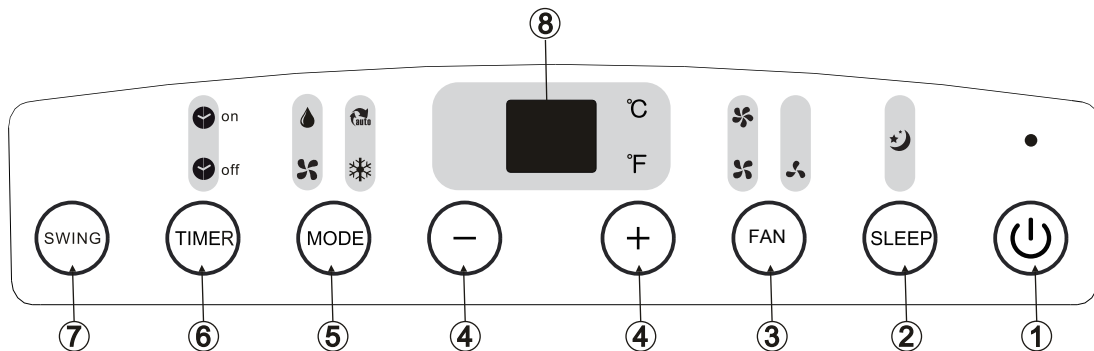


Fig.3

#### ① POWER button

Power switch on/off.

#### ② SLEEP button

Used to initiate the SLEEP operation.

#### ③ FAN button

Control the fan speed. Press to select the fan speed in four steps – LOW, MED, HI and AUTO. The fan speed indicator light illuminates under each fan setting except for "AUTO." When AUTO is selected, none of the fan indicators will be lit.

#### ④ UP( + ) and DOWN( - ) button

Used to adjust (increasing/decreasing) temperature settings(1°C/2°F increments) in a range of 17°C(62°F) to 30°C(88°F) or the TIMER setting in a range of 0~24hrs..

**NOTE:** The control is capable of displaying temperature in degrees Fahrenheit or degrees Celsius. To convert from one to the other, press and hold the Up and Down buttons at the same time, for 3 seconds.

#### ⑤ MODE select button

Selects the appropriate operating mode. Each time you press the button, a mode is selected in a sequence that goes from AUTO -> COOL -> DRY -> FAN. The mode indicator light illuminates for the corresponding mode.

#### ⑥ TIMER button

Used to initiate the AUTO ON start time and AUTO OFF stop time program, in conjunction with the + & - buttons. The timer on/off indicator light illuminates under the timer on/off settings.

#### ⑦ SWING button

Used to initiate the Autoswing feature. When the operation is ON, press the SWING button can stop the louver at the desired angle.

#### ⑧ LED Display

Shows the set temperature in " °C " or " °F " and the Auto-timer settings. While on DRY and FAN modes, it shows the room temperature.

## **OPERATING INSTRUCTIONS**

---

### **Error codes and protection code:**

- E1-** Room temperature sensor error – Unplug the unit and plug it back in. If error repeats, call for service.
- E2-** Evaporator temperature sensor error – Unplug the unit and plug it back in. If error repeats, call for service.
- E3-** Condenser temperature sensor error – Unplug the unit and plug it back in. If error repeats, call for service.
- E4-** Display panel communication error – Unplug the unit and plug it back in. If error repeats, call for service.
- P1-** Bottom tray is full – Connect the drain hose and drain the collected water away. If protection repeats, call for service.

### **Operating 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 62°F - 88°F/17°C - 30°C
- Press the "FAN SPEED" button to choose the fan speed

#### **DRY operation (dehumidifier)**

- Press the "MODE" button until the "DRY" indicator light comes on.
- Under this mode, you cannot select a fan speed or adjust the temperature. The fan motor operates at LOW speed.
- Keep windows and doors closed for the best dehumidifying effect.
- Do not attach the duct to window.

#### **AUTO operation**

- When you set the air conditioner in AUTO mode, it will automatically select cooling or fan only operation depending on what temperature you have selected and the room temperature.
- The air conditioner will control room temperature automatically around the temperature point set by you.
- Under AUTO mode, you cannot select the fan speed.

#### **FAN operation**

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

#### **TIMER operation**

- When the unit is on, pressing the TIMER button will initiate the Auto-off stop program. The TIMER OFF Indicator light will illuminate. Press the UP or DOWN button to deselect the desired time (in hours) until the unit will turn off. Press the TIMER button again within 5 seconds and the TIMER ON indicator light will illuminate. Press or hold the UP or DOWN button to select the desired time from now you want the unit to turn on again.
- When the unit is off, press the TIMER button to initiate the Auto-on start program. Press it again within 5 seconds to set the time for the Auto-off stop program. Use the UP and DOWN buttons to change the time accordingly (in hours).
- The display will automatically revert to the previous temperature setting if there are no modifications within a five second period.
- Turning the unit ON or OFF at any time or adjusting the timer setting to 0.0 will cancel the Auto Start/Stop timer program.
- Malfunction error codes (E1, E2, E3 or E4) will also cancel any Auto-Start/Stop programs.
- Note that the time function starts out in half-hour increments (.5, 1, 1.5) until it reaches 10 hours.
- The timer begins from the present moment, so if it is presently midnight and you set the OFF time for 6 hours and the on time for 12, it will go off at 6 AM and on again at 12 PM.



### **SLEEP operation**

Upon pressing this button, the selected temperature will increase by 2°F (1°C) in 30 minutes. The temperature will then increase by another 2°F (1°C) after an additional 30 minutes. This new temperature will be maintained for 7 hours before it returns to the originally selected temperature. This ends the Sleep mode and the unit will continue to operate as originally programmed.

**NOTE:** This feature is unavailable under FAN or DRY mode.

### **Note on sleep mode:**

*The idea behind this mode is to save energy during the night when one is sleeping. Generally one may not need the room to be as cool while they are sleeping, so the unit will gradually warm up the room a bit to save energy and then revert back to the originally set temperature later.*

### **Other features**

#### **Auto-Restart**

If the unit turns off unexpectedly due to a power cut, it will restart with the previous function setting automatically when the power resumes.

#### **Wait 3 minutes before resuming operation**

After the unit has stopped, it cannot be restarted for the first 3 minutes. This is to protect the unit. Operation will automatically start after 3 minutes.

#### **Air flow direction adjustment**

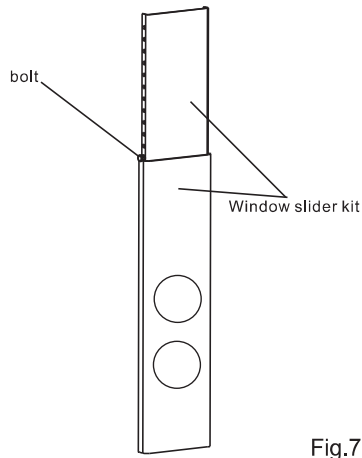
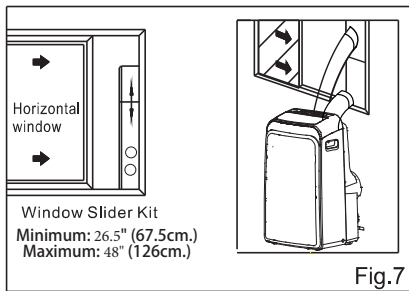
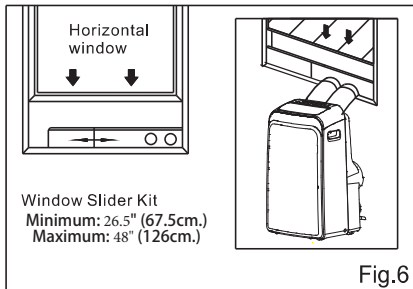
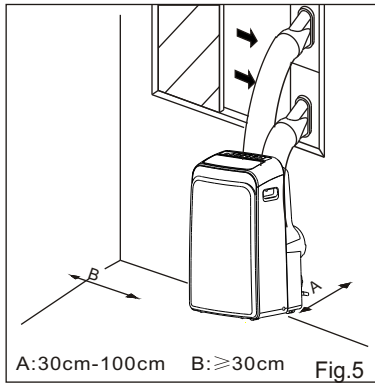
The louver can be adjusted automatically.

- Air flow direction is adjusted automatically (Fig.4):
- When the Power is ON, the louver opens fully. Press the SWING button on the panel or remote control to initiate the auto-swing feature.
- The louver will swing up and down automatically.
- Please do not adjust the louver manually.



Fig.4

# INSTALLATION INSTRUCTIONS (optional)



## INSTALLATION INSTRUCTIONS

### Location

- The air conditioner should be placed on a firm foundation 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 has casters to aid placement, but it should only be rolled on smooth, flat surfaces. Use caution when rolling on carpet surfaces. Do not attempt to roll the unit over objects.
- The unit must be placed within reach of a properly rated grounded socket.
- Never place any obstacles around the air inlet or outlet of the unit.
- Allow 30cm to 100cm of space from the wall with for efficient air-conditioning.

### Window slider kit Installation

Your window slider kit has been designed to fit most standard "Vertical" and "horizontal" window applications. However, it may be necessary for you to improvise/modify some aspects of the installation procedures for certain types of window. Please refer to Fig. 6 & Fig.7 for minimum and maximum window openings. Window slider kit can be fixed with a bolt (see Fig.7a).

**Note:** If the window opening is less than the mentioned minimum length of the window slider kit, shorten the piece containing both holes in order to fit the window opening. Never cut up to the hole itself.

# INSTALLATION INSTRUCTIONS (optional)

## Installation in a double-hung sash window

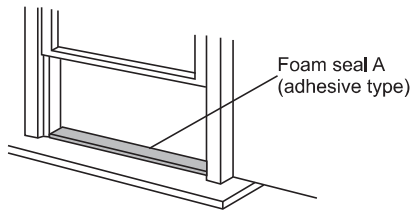


Fig.8

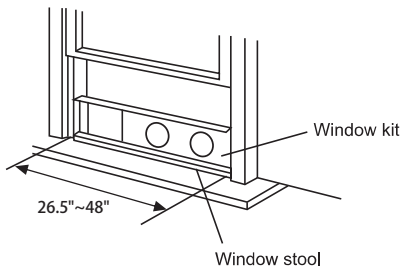


Fig.9

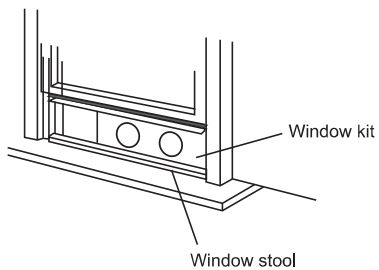


Fig.10

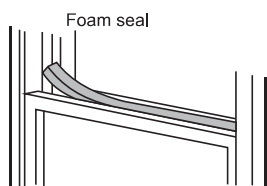


Fig.11

1. Cut the foam seal(adhesive type) to the proper length and attach it to the window stool. Fig.8
2. Attach the window slider kit to the window stool. Adjust the length of the window slider kit according to the width of window, shorten the adjustable window kit if the width of window is less than 26.5 inches Open the window sash and place the window slider kit on the window stool. Fig.9
3. Cut the foam seal(adhesive type) to the proper length and attach it on the top of the window. Shown as in Fig.10
4. Close the window sash securely against the window.
5. Cut the foam seal to an appropriate length and seal the open gap between the top window sash and outer window sash. Shown as in Fig.11.

# INSTALLATION INSTRUCTIONS (optional)

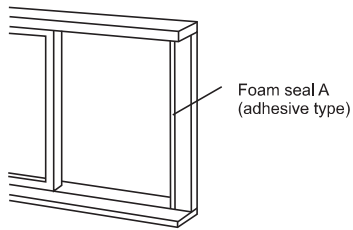


Fig.12

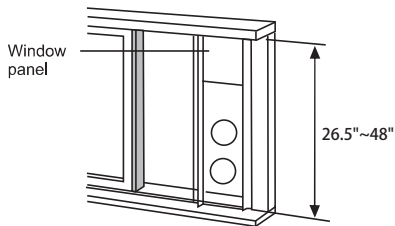


Fig.13

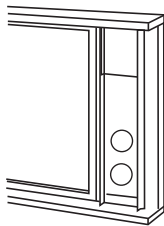


Fig.14

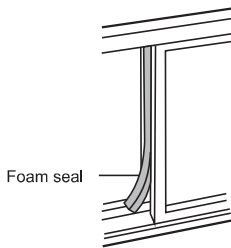


Fig.15

## Installation in a sliding sash window

1. Cut the foam seal(adhesive type) to the proper length and attach it to the window frame. See Fig.12.
2. Attach the window slider kit to the window stool. Adjust the length of the window slider kit according to the width of window, shorten the adjustable window kit if the width of window is less than 26.5 inches.Open the window sash and place the window slider kit on the window stool. See Fig.13.
3. Cut the foam seal(adhesive type) to the proper length and attach it on the top of the window. Shown as in Fig.14.
4. Close the sliding sash securely against the window.
5. Cut the foam seal to an appropriate length and sea the open gap between the top window sash and outer window sash. Shown as in Fig.15.

**Note:** All the illustrations in this manual are for descriptive purposes only. Your unit may be slightly different in actuality.

# INSTALLATION INSTRUCTIONS

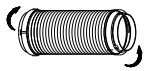


Fig. 16a

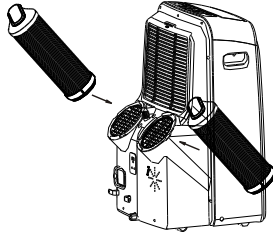


Fig. 17a

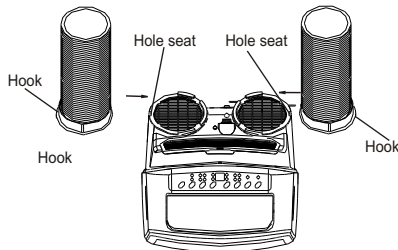


Fig. 17b

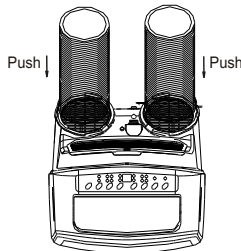


Fig. 18

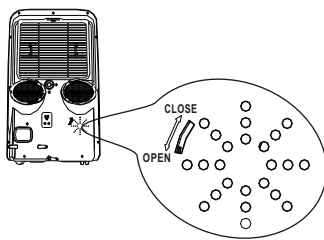


Fig. 19

## Exhaust hose installation:

The exhaust hose and adaptor must be installed or removed in accordance with the usage mode.

COOL or AUTO mode	Install
FAN, (DRY) DEHUMIDIFY mode	Remove

1. Install the adaptor B and adaptor I onto the exhaust hose as shown in Fig. 16a or Fig. 16b. Refer to the previous pages for window kit installation.
2. Install the flexible Exhaust hose as depicted in Fig. 17a&b. Then push the hook of the Exhaust hose into the hole seat of the unit in Fig. 18.

## ⚠ CAUTION:

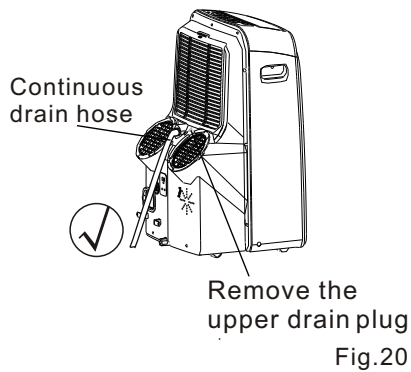
Make sure that there are no obstacles around the air outlet of the exhaust hose (in the range of 500mm) to ensure the exhaust system functions properly.

## **VENT CONTROL feature**

The Vent Control is located at the back of the air conditioner. The OPEN position removes stale air from the room and exhausts it to the outside. Fresh air is drawn in through normal passages in the home.

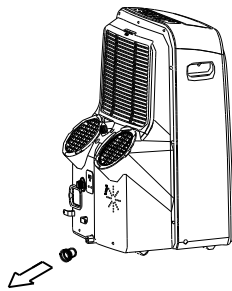
When you do not need to circulate the room air, set Vent Control to CLOSE position.

## INSTALLATION INSTRUCTIONS



### Water drainage:

- During dehumidifying modes, remove the upper drain plug from the back of the unit, install the drain connector (5/8" universal female mender) with 3/4" hose (locally purchased). For the models without drain connector, just attach the drain hose to the hole. Place the open end of the hose directly over the drain area in your basement floor. Please refer to Fig.20.



- When the water level of the bottom tray reaches a predetermined level, the unit beeps 8 times and the display shows "P1." At this time the dehumidification process (or A/C, if applicable) will immediately stop. The fan motor will continue to operate, however. Carefully move the unit to a drain location, remove the bottom drain plug and let the water drain away. Reinstall the bottom drain plug and restart the machine until the "P1" symbol disappears. If the error repeats, call for service.

Note: Be sure to reinstall the bottom drain plug before using the unit. (See Fig 21)

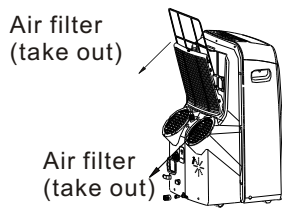


Fig.22

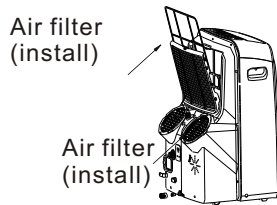


Fig.23

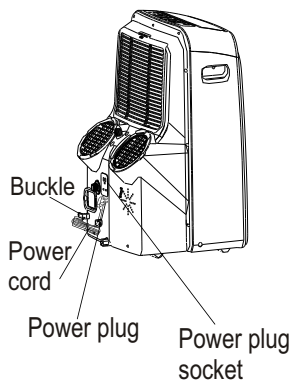


Fig.24

## CARE AND MAINTENANCE

### IMPORTANT:

- 1) Be sure to unplug the unit before cleaning or servicing.
- 2) Do not use gasoline, thinner or other chemicals to clean the unit.
- 3) Do not wash the unit directly under a tap or using a hose. It may cause electrical danger.
- 4) If the power cord is damaged, it should be repaired by the manufacturer or its agency.

### 1. Air filter

- Clean the air filter at least once every two weeks to prevent inferior fan operation because of dust.

#### - Removal

This unit has two filters. Take the air filters out as shown in Fig. 22.

#### - Cleaning

Wash the air filter by immersing it gently in warm water (about 104°F (40°C) with a neutral detergent. Rinse the filter and dry it in a shady place.

#### - Mounting

Install the air filters after cleaning as shown in Fig.23..

### 2. Unit enclosure

- Use a lint-free cloth soaked with neutral detergent to clean the unit enclosure. Finished by a dry clean cloth.

### 3. Unit idle for a long time

- Remove the rubber plug at the back of the unit and attach a hose to drain outlet. Place the open end of the hose directly over the drain area in your basement floor (See Fig.20).
- Remove the plug from the bottom drain outlet, all the water in the bottom tray would drain out (See Fig.21).
- Keep the appliance running on FAN mode for half a day in a warm room to dry the appliance inside and prevent mold forming.
- Stop the appliance and unplug it, wrapped the cord and bundle it with the tape (Fig.24). Remove the batteries from the remote controller.
- Clean the air filter and reinstall it.

## **TROUBLESHOOTING TIPS**

### **TROUBLE SHOOTING**

<b>TROUBLES</b>	<b>POSSIBLE CAUSES</b>	<b>SUGGEST REMEDIES</b>
<b>1. Unit does not Start when Pressing on/off Button</b>	- P1 appears in the display window	Drain the water in the bottom tray.
	- Room temperature is lower than the set temperature.(Cooling mode)	Reset the temperature.
<b>2. Not cool enough</b>	- The windows or doors in the room are not closed.	Make sure all the windows and doors are closed.
	- There are heat sources inside the room.	Remove the heat sources if possible.
	- Exhaust air duct is not connected or blocked.	Connect the duct and make sure it can function properly.
	- Temperature setting is too high.	Decrease the set temperature.
	- Air filter is blocked by dust.	Clean the air filter.
<b>4. Noisy or vibration</b>	- The ground is not level or not flat enough.	Place the unit on a flat, level ground if possible.
<b>5. Gurgling sound</b>	- The sound comes from the flowing of the refrigerant inside the air-conditioner.	It is normal.

### **Technical support**

For questions not answered in this manual, or for warranty service, please contact Impecca Technical Support:

By phone: 1-866-954-4440 (9:00 AM to 6:00 PM Eastern Time)

By e-mail: [service@impeccausa.com](mailto:service@impeccausa.com)

Online: [www.impecca.com](http://www.impecca.com)

© 2015 Impecca