



OWNER'S MANUAL

ARP-9409, ARP-9411



ARP-9409 / ARP-9411

PORTABLE AIR CONDITIONER
ACONDICIONADOR DE AIRE PORTÁTIL
CONDITIONNEUR D' AIRE PORTABLE

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Read and retain these instructions for future reference.

For any Customer Support needs, please choose the Support tab on
www.royalsovereign.com

Royal Sovereign International, Inc

PORTABLE AIR CONDITIONER

ARP-9409, ARP-9411

INTRODUCTION

Thank you for choosing Royal Sovereign to provide you and your family with all of the “Home Comfort” requirements for your home, apartment, or office. This Portable Air Conditioner can be set-up in just minutes and can be easily moved from room to room. It is a multi-functional room air comfort system that offers you Air Conditioning, Dehumidification and Air Circulation modes. This manual will provide you with valuable information necessary for the proper care and maintenance for your new appliance. Please take a few moments and read the instructions thoroughly. If properly maintained, your appliance will give you many years of troublefree operation.

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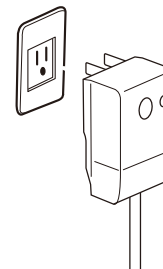
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PRECAUTIONS FOR USE

Electrical Specifications and Power Cord

Check to ensure that the electrical service being used is adequate for the model you've chosen. The electrical rating of your new air conditioner is defined on the serial plate of the unit. Please refer to the rating when checking electrical requirements to ensure they meet the electrical codes of your location.

- Install the air conditioner according to the installation instructions supplied.
- Do not modify any part of this product.
- Do not insert any objects into the product or block the airflow in any way.
- Ensure that the power supply you use has an appropriate voltage rating.
- Only use a properly installed 3 pin, grounded AC socket that is rated 115V, 60Hz, 15 amps or more.
- If the electrical outlet you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker, you should have a qualified electrician install the proper outlet.
- This unit uses a plug with a built-in fuse. Conduct a Power Plug Check (see page 9) before use to confirm normal operation.
- **Do not use this unit with any extension cords or adapter plugs.**
- If the cord or plug is damaged in any way, please call the Royal Sovereign Service Department (see page 16.)
- Do not plug this cord into a loose electrical outlet.
- Turn the unit off and unplug, when cleaning the air conditioner, removing the filter or when the air conditioner will not be used for an extended time period.

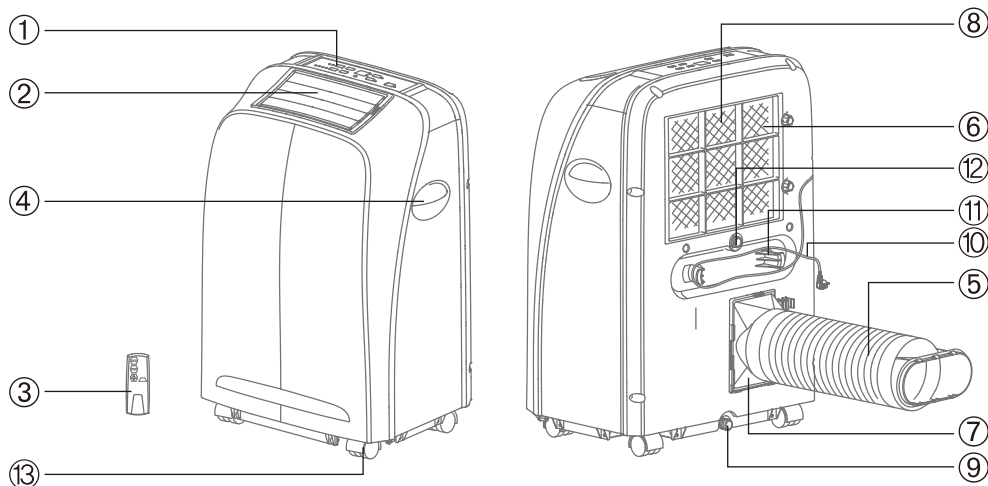


General Use

- Do not block air outlets or intake with obstacles.
- Do not insert any objects into the air conditioner.
- Do not splash or pour water on the housing or control panel.
- Do not place heavy items or sit on unit.
- Make sure the drainage plug is installed on bottom of machine.
- Drain the unit when moving the air conditioner or when storing the unit.

IDENTIFICATION OF PARTS

1. Control panel
2. Air outlet
3. Remote control
4. Handle
5. Exhaust hose
6. Air intake
7. Exhaust outlet
8. Filter
9. Drain port
10. Power cord
11. Power cord hooks
12. Secondary drain port
13. Caster wheel

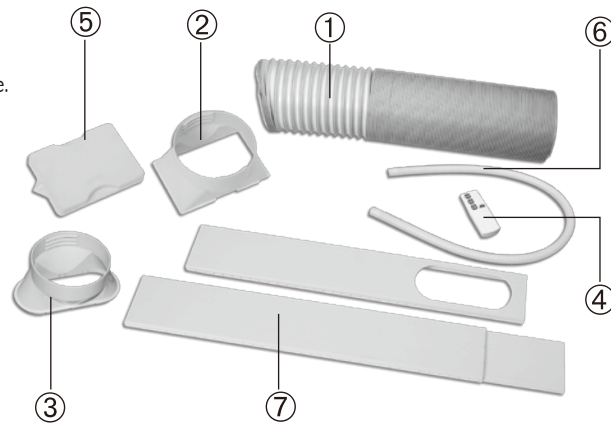


INSTALLATION

Unpack your New Portable Air Conditioner and let the machine stand upright for 2 hours before starting. Unpack all parts listed below. If any parts are missing do not return this product to the place of purchase. Please visit our website www.royalsovereign.com and click on the "Support" tab .

Accessories Include

1. Exhaust hose
2. Hose connector
3. Hose adapter
4. Remote control
5. Water tray
6. Drainage hose
7. Window slider



Part 1: Exhaust hose, connector and adapter

1. Extend one end of the exhaust hose.
2. Take the hose connector and twist it counterclockwise onto one end of the exhaust hose.
3. Extend the opposite end of the exhaust hose.
4. Take the hose adapter and twist it counterclockwise onto the unused end of the exhaust hose.

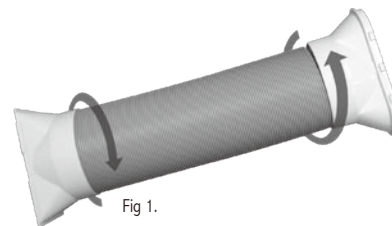


Fig 1.

Part 2: Attaching exhaust hose

1. Hold the exhaust hose parallel to the floor with the hose connector positioned up and down
2. Line up the hose connector above the tabs on the exhaust outlet. Slide connector down into the tabs locking the connector in place.



Fig 2.

Part 3: Installing window slider kit

1. Open the window and place the window slider on the inside edge of the window.
2. Adjust the window slider to the width of the window.
3. Insert a screw into the top of the window slider to secure it at the correct length.
4. Take window slider out and attach to exhaust hose by snapping the hose adapter into the hole on the window slider. Make sure that the tabs on the window slider are facing outside.
5. Extend exhaust hose to desired length.
6. Place window slider and hose into the edge of the window.
7. Close window to secure slider.

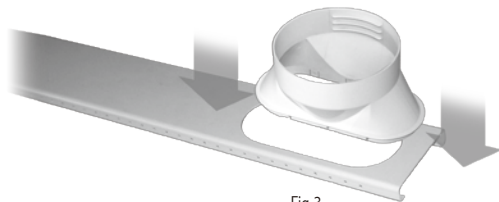


Fig 3.

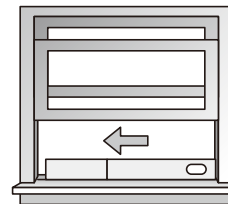
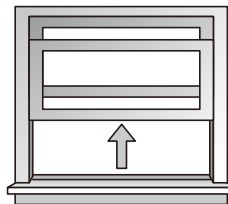
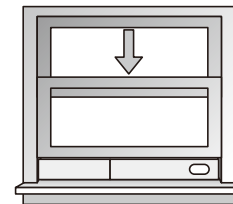


Fig 4.



OPERATION

Before Use

- Check to make sure rubber drain plugs are securely plugged into the drain ports on the back of the unit to prevent water leaks
- Check to make sure that air conditioner has been properly vented out the window (See Installation pg 7.)
- Check to make sure air conditioner is on a flat surface
- Conduct a Power Plug Check:
 1. Press the RESET button on the power cord.
 2. Plug cord into an electrical outlet.
 3. Press the TEST button on the power cord. The RESET button should pop up.
 4. Press the RESET button for use.
 5. Do not use the air conditioner if the test fails. The green light on the power cord will turn on if the plug is working properly.

Note: If you turn the air conditioner off and immediately restart it, allow 3 minutes for the compressor to restart cooling.
In the event of a power failure, wait 3 minutes before restarting unit.

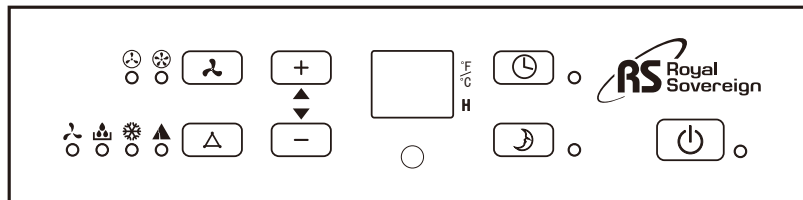
Control Panel

Buttons

- | | |
|------------------------------------|---------------------------------|
| ⏻ Power button | ⌚ Timer button |
| 🌙 Sleep mode button | 🌀 Fan speed button |
| ⬆️ Mode button | + Temperature / Timer up button |
| ⬇️ Temperature / Timer down button | |

Indicator Lights

- | | |
|--------------------|------------------|
| ⌚ Low fan speed | 🌀 High fan speed |
| ⬆️ Automatic mode | ❄️ Cool mode |
| 🌧️ Dehumidify mode | 🌀 Fan only mode |



Control Panel Operation

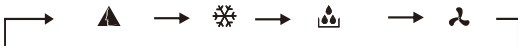
Automatic, Cool, Dehumidify, Fan Only Mode Operation

1. Turn the unit on

Press the Power button to turn the unit on. The red light next to the power button and the Mode, Fan speed, and temperature indicators will light up.



2. Select operating mode

Press the  button to select desired operating mode:




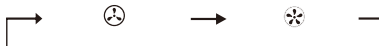
3. Adjust temperature

The temperature can be set within a range of 59°F to 87°F by 1 °F intervals.

Press ,  to increase or decrease the temperature. The LED display will flash the desired temperature for 5 seconds then display the current room temperature.

4. Adjust fan speed

Press the  button to select desired fan speed.



5. Power down

Press the power button again to turn the unit off.

Mode Descriptions

Automatic mode

When  is selected the unit will automatically select the operation mode with  or .

When room temperature is greater than 75 °F the unit will automatically select  mode.

When room temperature is less than 75 °F the unit will automatically select  mode.

Cool mode

When  mode is chosen the air conditioner will run when the room temperature is higher than the set temperature.

When the room temperature is lower than the set temperature only the fan will run.

Dehumidify mode

When in  mode then fan will run at low speed and cannot be adjusted.

Temperature cannot be adjusted during dehumidify mode.

The compressor will stop running after 8 minutes and will turn back on after 6 minutes and will continue to cycle on and off.




Fan mode




When  is selected the unit will only run the fan at low or high speed.

Temperature cannot be adjusted during fan mode.

Timer Operation

The timer can be used to turn the unit off after a set amount of time, or to turn the unit on after a set amount of time.

To use the timer to turn the unit on: While air conditioner is off press the  button. The light next to the timer button will blink and 0 will show on the LED display. Press the ,  buttons to adjust the time up to 24 hours. You can also pre-select Mode and Fan speed while timer light is blinking. The light next to the timer will stay lit up to show that timer is set. The unit will turn on after the set time has passed.

To use the timer to turn the unit off: Press the  button. The light next to the timer button will blink and 0 will show on the LED display. Press the ,  buttons to adjust the time up to 24 hours. The unit will shut down after the set time has passed.

Sleep Mode Operation

Sleep mode can only be operated when the unit is in Cool mode. When in Sleep mode the set temperature will 1 °F after one hour and 2 °F after two hours. After six hours have passed the unit will stop running.

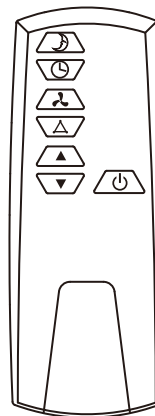
To use sleep mode: Make sure the unit is in Cool mode. Press the  button. The light next to the sleep button will turn on.

NOTE: The unit has a memory function, when the unit is turned off and back on the previous setting should remain intact. This function does not work when unit is left in Automatic mode.

Remote Control

To use: aim remote control at the sensor on the control panel.

- ⏻ Power button : Press to turn the unit on or off
- ⏮ Mode button : Press to choose operation mode: Automatic, Cool, Dehumidify, Fan
- ↻ Fan button : Press to choose between High and Low fan speed
- ▲ / ▼ Temperature / Timer button : Press up or down to control room temperature or timer hours
- 🌙 Sleep mode button : Press to set or cancel sleep mode operation
- ⌚ Timer button : Press to set unit to automatically turn off or on with a timer

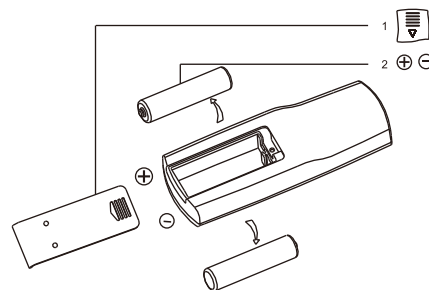


Remote Control Battery Installation

- The remote control uses two AAA batteries which have been included for your convenience.
- Remove the battery cover on back of the remote.
- Insert the batteries, making sure the (+) and (-) polarity is aligned correctly.
- Replace the battery cover.

NOTES:

- When replacing batteries, always change both batteries at the same time.
- Remove the batteries if the remote control is not used for a month or longer.
- Do not dispose of batteries in a fire.



MAINTENANCE

Drainage

Occasionally, you may need to drain the unit. The LED display will show E4 when draining is necessary.

To drain:

1. Turn off the power to the unit and unplug.
2. Place the water tray under the drainage port to collect water.
3. Remove the rubber drainage plug.
4. Replace the plug, when drainage water stops flowing.

For continuous drainage into a floor drain:

1. Turn off the power to the unit and unplug.
2. Remove the rubber drainage plug from the secondary drainage port.
3. Attach the drainage hose to the secondary port.
4. Place other end of drainage hose into a floor drain.
5. Replace the rubber drainage plug after operation to prevent leaks.

Cleaning the filter

The filter should be cleaned about every 2 weeks to maintain proper airflow.

1. Turn off the power to the unit.
2. Locate the 2 filter knobs on the back of the unit.
3. Twist both knobs counter clockwise to unlock the filter and remove the knobs.
4. Remove the filter.
5. Filter can be cleaned by a vacuum or soft cloth. If the filter is very dirty it can be washed with a mild detergent and rinsed with water. Make sure filter is dry before replacement.
6. Replace filter and knobs and turn knobs clockwise to the lock position.

NOTE: Never run the unit without the filter in. This could damage the unit.

Cleaning the unit

1. Turn off the power to the unit and unplug.
2. Wipe down unit with a soft, dry, or damp cloth. A mild detergent can be used.



3. Never use a volatile substance such as gasoline or abrasive cleaners.
4. Do not splash water onto the unit.

Storing the air conditioner

If the unit will not be used for a long time, be sure to drain the air conditioner, clean the air filter, pull out the power supply plug and wrap around power cord hooks, and remove the batteries from the remote control before storage. After draining, keep the air conditioner running on FAN mode for at least 8 hours to dry the unit completely to prevent mold.

TROUBLESHOOTING

Problem	Possible Reasons
Air Conditioner does not operate	<ul style="list-style-type: none"> - Check and reset the power plug. Wait 3 minutes and try to run the unit again. - The batteries in the remote may need to be replaced. Replace the batteries and try to run the unit again. - Make sure the plug is properly plugged into the outlet. - The set temperature may be too close to room temperature. Lower the set temperature. - The air outlet may be blocked. Check the air outlet and remove any items that may be found.
Air Conditioner runs but does not cool	<ul style="list-style-type: none"> - Check the room for open doors or windows and close them. - There may be another appliance in the room giving off heat. Check the room and turn off the appliance. - The air filter may be dirty. Check the filter and clean if necessary. - The air exhaust or intake may be blocked. - The set temperature may be too high. Check the set temperature and reduce it if necessary.
Air Conditioner does not run and LED shows E4	<ul style="list-style-type: none"> - There may be excess water in the unit. Drain the unit.
Water is leaking from the unit	<ul style="list-style-type: none"> - Make sure unit is on a flat surface - Drain the unit.
Machine automatically turns off	<ul style="list-style-type: none"> - Timer may have been set to shut off. Turn power back on.
LED display shows E4	<ul style="list-style-type: none"> - Water full. Drain the unit.
LED display shows E2	<ul style="list-style-type: none"> - Temperature sensor error
LED display shows E3	<ul style="list-style-type: none"> - Evaporator error

SPECIFICATIONS

- Figures noted in the contents are for reference only; variation may result due to the application in different countries or regions, and shall be based on practical operation.

Model	ARP-9409	ARP-9411
Cooling Capacity	9,000 BTU / 2600W	11,000 BTU/ 3200W
Dehumidifying Capacity	1.9 pints / h / .9L/h	2.3 pints/ h / 1.1 L/h
Standard Cooling Input Power / Current	860 W / 7.7 A	1130 W / 10 A
Air Flow Volume	340 m ² /h	340 m ² /h
Voltage / Frequency	AC115V / 60 Hz	AC115V / 60 Hz
Sound Pressure Level	≤ 54dB	≤ 54dB
Net Weight	53 lbs / 24 kg	59.5 / 27 kg
Unit Dimensions	16.5 x 12 x 25 in / 420 x 305 x 636 mm	16.5 x 12 x 25 in / 420 x 305 x 636 mm
Packaging Dimensions	18.9 x 14.6 x 32.3 in / 480 x 370 x 820 mm	18.9 x 14.6 x 32.3 in / 480 x 370 x 820 mm
Refrigerant	R410A	R410A

"Electrical waste products should not be disposed of with household waste.
Please recycle where facilities exist. Check with your local authority or retailer for recycling advice."

