ROYAL SOVEREIGN ARP-5010 Owner's Manual

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1. Rear cover
2. Air inlet
3. Front cover
4. Operation panel
5. Castor wheels
6. Power line
7. Air inlet

side view   front view   Rear view
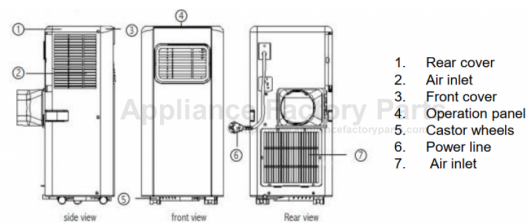
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-------- Manual continues below --------

Owner's Manual

RS Royal Sovereign®

Portable Air Conditioner

ARP-5008
ARP-5010

Thank you for purchasing the Royal Sovereign Portable Air Conditioner, ARP-5008 / ARP-5010. This manual will provide you with safety information, instructions for optimal use, and proper care and maintenance for your product. Please read this manual carefully before operating.

CONTENTS

SAFETY INSTRUCTIONS

When using this appliance follow these safety precautions to reduce risk of fire, electric shock, or injury.

⚠ WARNING

Electrical Safety
1. For your safety, this appliance should be properly grounded on a level surface indoors.
2. The appliance should be placed near an electrical outlet so that the outlet is easily accessible.
3. Make sure the voltage meets the appliance's electricity requirements (115V/60Hz, 15 amps or more).
4. Do not operate if the electrical plug or power cord is damaged.
5. Do not under any circumstances alter the electric plug.
6. Do not plug this cord into a loose electrical outlet.
7. Only plug the appliance into a properly installed 3 pin, grounded AC socket.
8. Do not share the electrical socket with other appliances.
9. 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.
10. Do not use an adapter plug or extension cord with this appliance.
11. This unit uses a plug with a built-in fuse. Conduct a Power Plug Check (see Operation page 6) before use to confirm normal operation.
12. 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.

Operating Safety
1. Install the air conditioner according to the installation instructions supplied (page 5).
2. Do not block air outlets or intake with obstacles.
3. Do not insert any objects into the air conditioner.
4. Do not place heavy items or sit on the unit.
5. Do not splash or pour water on the housing or control panel.
6. Make sure the rubber drain plugs are securely plugged into the drain ports on the back of the unit to prevent water leaks.
7. Drain the unit when moving the air conditioner or when storing the unit.
8. Do not modify any part of this product.
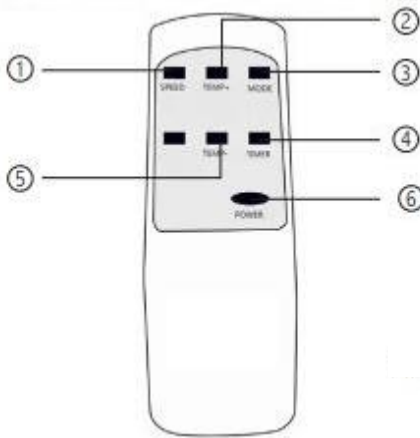9. Do not operate this appliance for any other purpose other than its intended use.

**Read & Fully Understand This Owner's Manual Before Using This Machine.**

PRODUCT VIEW
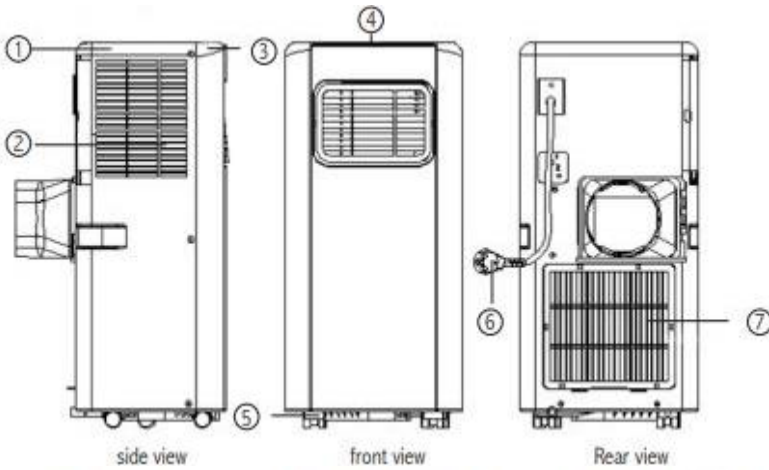
1. Rear cover
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3. Front cover
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side view   front view   Rear view

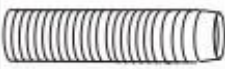## APPEARANCE AND FUNCTION OF REMOTE CONTROLLER
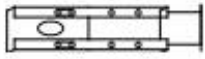
1. SPEED button
2. TEMPERATURE + button
3. MODE button
4. TIMER button
5. TEMPERATURE – button
6. POWER button

APPEARANCE AND FUNCTION OF CONTROL PANEL
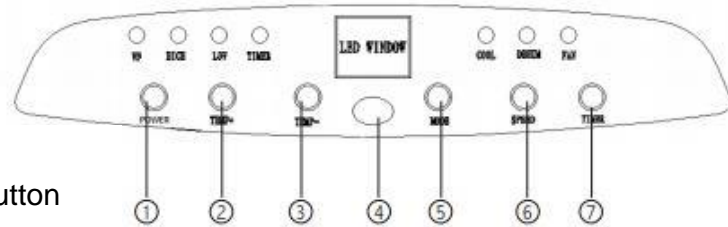
1. POWER button
2. TEMPERATURE + button
3. TEMPERATURE – button
4. Signal Receiver Window
5. Operation Mode button
6. Fan Speed Adjustment button
7. TIMER ON/OFF button

ACCESSORIES (included)

Parts					
PARTS NAME	portable air conditioner	exhaust hose	round fixing clip	square fixing clip	mounting board
QTY/SET	1	1	1	1	1

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Installation

Part 1: Placement

- Place the air conditioner on a flat surface and near a power supply outlet at least 12 in. (30 cm.) away from any wall or object that could block the airflow (See Fig.7).
- Socket wiring should be in accordance with the local electric safety requirements.

Part 2: Exhaust Hose Installation

- Twist both ends of the exhaust hose into the square fixing clip and the flat fixing clip.
- Insert the square fixing clip into openings at back of the air conditioner (see Fig.8).
- Put the other end of the exhaust hose to the near windowsill.

Part 3: Window Slider Kit Installation

- The window slider kit can be installed horizontally or vertically.
- Open the window and place the window slider on the inside edge of the window.
- Adjust the window slider to the width of the window.
- Fig. 9 and Fig. 9a shows the minimum and maximum size for the window slider kit.
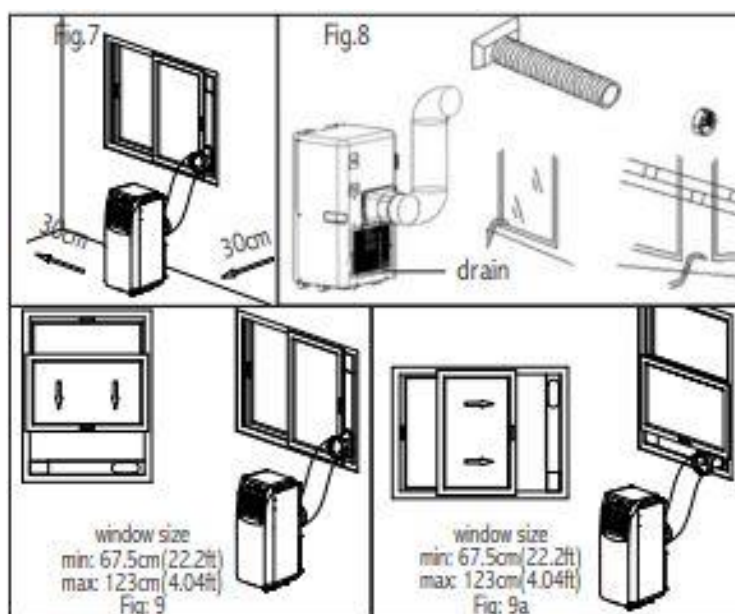
PRODUCT OPERATION

BEFORE PLUGGING IN THE UNIT TO A POWER SOURCE:

1. Let the appliance stand upright for about 2 hours. This will reduce the chance of malfunction in the cooling system from possible mishandling during delivery.

2. Check to make sure the rubber drain plugs are securely plugged into the drain ports on the back of the unit to prevent water leaks.

3. Check to make sure the exhaust hose has been installed properly (See Installation page 5).

4. Check to make sure that the air conditioner has been properly vented out the window (See Installation page 5).

Conduct a Power Plug Check:
1. Press the RESET button on the power cord.
2. Plug the 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 THE UNIT.

Operation Temperature Range

	Maximum cooling	Minimum cooling
DB / WB (°F)	95/75 (35/24°C)	64/54 (17.7/12°C)

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PRODUCT OPERATION

Temperature Settings: Celsius to Fahrenheit (or Fahrenheit to Celsius)
- To change press temp + and temp - simultaneously.

Cooling operation
- Press the "Mode" button until the "Cool" icon appears.
- Press the "Temp +" or " Temp -" button to select a desired room temperature (60-90°F/16-31°C).
- Press the "Fan Speed" button to select wind speed.

Dehumidifying operation
- Press the "Mode" button until the "Dehumidify Indicator Lamp" blinks.

Fan operation
- Press the "Mode" button until the "Fan" icon appears.
- Press the "Fan Speed" button to select wind speed.

Timer ON setting:
- When the air-conditioner is OFF, press the "Timer" button and select a desired ON time through the temperature and time setting buttons.
- "Preset ON Time" is displayed on the operation panel.
- ON timer can be set for any time from 0 to 24 hours.

Timer OFF setting:
- When the air-conditioner is ON, press "Timer" button and select a desired OFF time through the temperature and time setting buttons.
- "Preset OFF Time" is displayed on the operation panel.
- OFF timer can be set for any time from 0 to 24 hours.

Wait 3 minutes before resuming operation
- After the unit has stopped, it cannot restart operation in the first 3 minutes. This is to protect the unit. Operation will automatically start after 3 minutes.

Machine Maintenance

WARNING: Before maintenance, turn the power switch off and disconnect the power cord from the wall.

Drainage
The internal water tank in the air conditioner has one water level safety switch that controls water level. When the water level reaches an anticipated height, the water full indicator lamp lights up.
NOTE: If water pump is damaged, drainage can be performed both manually and continuously.

To drain manually:
1. Turn off the power to the unit and unplug.
2. Place a 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 drainage hole at the bottom of the unit.
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 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 a gasoline or abrasive cleaners.
4. Do not splash water onto the unit.

Machine Maintenance

WARNING: Before maintenance, turn the power switch off and disconnect the power cord from the wall.

If the unit will not be used for a long time:

- Drain the air conditioner (See page 8).

- After draining, keep the air conditioner running on FAN mode for at least 8 hours to dry the unit completely to prevent mold.

- Pull out the power supply plug and wrap around power cord hooks.

- Remove the batteries from the remote control before storage.

- Clean the air filter.

Cleaning the Air Filter
The filter should be cleaned about every 2 weeks to maintain proper airflow.

- **Dismounting:** Open the air inlet grille and take off air filter.

- **Cleaning:** Clean the air filter with neutral detergent in lukewarm water (104°F/40°C) and let it dry in the shade.

- **Mounting**: Put the air filter into the inlet grille, replace the components as they were.

TROUBLESHOOTING

In case of problems, first turn off the air conditioner and disconnect from the source of electricity.

Symptom	Solutions
Unit does not start when pressing power button	• Reset the power plug. Wait 3 minutes and try to run the unit again. • Drain the water tank (see Maintenance page 8). • If the room temperature is lower than the set temperature in cooling mode, the unit will not run. • If the room temperature is higher than the set temperature in heating mode, the unit will not run.
Not cool enough	• Make sure all windows and doors in the room are closed. • Remove all heat sources from inside the room. • Connect the exhaust air hose tightly and make sure that it can function properly. Keep it as short and free of curves as possible to avoid bottlenecks. • Decrease the set temperature. • The air filter may be blocked by dust, so clean the air filter.
Unit is noisy or vibrating during operation	• Place the unit on a flat, level surface. • Make sure that the unit is not touching any other objects.
Gurgling sound	• This is not uncommon with portable air conditioners. Do not worry, this is a normal sound.
E0 Code	• Replace the room temperature sensor. Contact for repair.
E2 Code	• Empty the water tank

NOTE: For all replacements and repairs that need to be made, contact Royal Sovereign Customer Service at +1) 800-397-1025

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SPECIFICATIONS

MODEL	ARP-5008	ARP-5010
Cooling Capacity	8,000 BTU ASHRAE 4,000 BTU DOE	10,000 BTU ASHRAE 5,000 BTU DOE
Room Size (Sq. ft.)	Up to 350	Up to 450
Voltage / Frequency	115V / 60 Hz	115V / 60 Hz
Standard Cooling Input Power	860W	1050W
Operating Sound Level	65 dB	65 dB
Dehumidifier Capacity	40 Pints (19.2 L) per Day	40 Pints (19.2 L) per Day
Air Flow Volume	320 m3h	320 m3h
Fan Speeds	2	2
Refrigerant	R410A	R410A
Unit Dimensions (W x D x H)	13"W x 11"D x 26.7"H 330 mm x 280 mm x 680 mm	13"W x 11"D x 26.7"H 330 mm x 280 mm x 680 mm
Unit Weight	42.2 lbs. / 22 kgs.	45.2 / 24 kgs.

ONE YEAR LIMITED WARRANTY

Royal Sovereign International, Inc. warranties this product to be free from defects in material and workmanship for a period of one (1) year. This warranty is extended to the original purchaser only.

This warranty only covers products that are properly installed, properly maintained, and properly operated in accordance with the instructions provided. This limited warranty does not cover any failures or operating difficulties due to normal wear and tear, accident, abuse, misuse, alteration, misapplication, improper installation, or improper maintenance and service by you or any third party.

Returned product will not be accepted without a Return Authorization number. To request a Return Authorization number, please visit us at www.royalsovereign.com. All transportation costs for the return of damaged product or parts will be the responsibility of the purchaser. Return defective product, in original packaging, to the address below.

Royal Sovereign International, Inc. requires reasonable proof of your date of purchase from an authorized retailer or distributor. Therefore, you should keep your receipt, invoice, or canceled check from the original purchase. The limited warranty shall be limited to the repair or replacement of parts which prove defective under normal use and service within the warranty period.

Royal Sovereign International, Inc. (and its affiliated companies) SHALL HAVE NO LIABILITY WHATSOEVER TO PURCHASER OR ANY THIRD PARTY FOR ANY SPECIAL, INDIRECT, PUNITIVE, INCIDENTAL, OR CONSEQUENTIAL DAMAGES. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above exclusion and limitations may not apply to you.

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For product support and warranty questions, please visit us at
www.royalsovereign.com/CustomerSupport