

Shinco®



SPU2-14HG/SPU2-14HW

SPU2-14CG/SPU2-14CW

Portable Air Conditioner

USER GUIDE

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READ AND SAVE THESE INSTRUCTIONS

California Prop 65 Warning

 **WARNING:**

This product contains Acrylonitrile which is known to the state of California to cause cancer birth defects and other reproductive harm. Do not ingest.

For more info go to: www.P65warnings.ca.gov

Features:

- **Dehumidification:** Removes up to 50 pints of moisture per 24 hours, with a Continuous Drain Option for extended, unattended use.
- **Self-Evaporation Technology:** Helps reduce water drainage requirements.
- **Safety:** Metal control box to prevent fire or explosion risks.
- **Compressor:** Rotary compressor for efficient cooling.
- **Portability:** Universal castors allow easy movement.
- **Wi-Fi Function:** Supports remote control for convenient operation.
- **Modes:** 3 operational modes—Cooling, Dehumidifier, and Fan(Heating function available for SPU2-14HG/SPU2-14HW).
- **Energy-Efficient:** Low power consumption and low noise motor (57 dBA).
- **User-Friendly:** Features push-button controls with an LED display for easy adjustments of temperature, fan speed, and timer settings.

What's in the Box

- AC Unit
- Exhaust Hose
- Window Installation Plate
- Remote Control

Technical Specs:

- **Power Supply:** 115V / 60Hz
- **Rated Power:** 1220W
- **Refrigerant Type:** R32
- **Cooling Capacity:**
 - **ASHRAE:** 14,000 Btu/h
 - **DOE:** 10,000 Btu/h
- **Heating Capacity:** 11,000 Btu/h
- **Coverage Area:** Up to 700 sq. ft.
- **Air Flow:** 400 cubic meters per hour
- **Moisture Removal (Dehumidifier):** 1.5 liters per hour
- **Fan Speed:** Low, Medium, and High settings
- **Temperature Display:** Switchable between °C / °F
- **Timer:** Adjustable up to 24 hours
- **Noise Level:** 57 dBA
- **Exhaust Hose Max Length:** 59 inches
- **Window Kit:** Adjustable from 26.6 to 49.7 inches
- **Product Dimensions:** L x W x H: 32" x 18.5" x 15.4"

READ ALL INSTRUCTIONS BEFORE USE

Your safety and the safety of others are very important. We have provided many important safety messages in this manual and on your appliance.

Always read and follow all safety messages.



A2L

This symbol shows that this appliance uses a flammable refrigerant. If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire.



This symbol indicates that the operation manual should be read carefully.



This symbol indicates that service personnel should handle this equipment with reference to the installation manual.



This symbol indicates that information is available, such as the operating manual or installation manual.



A2L

CAUTION: FIRE HAZARD

READ THIS MANUAL CAREFULLY BEFORE USING THE APPLIANCE

R32 refrigerant gas complies with European environmental directives.

This appliance contains approximately 11.3 oz of refrigerant gas.

The appliance must be installed, operated, and stored in a room with a floor area larger than 43 square feet.

Attention Points

For your health and safety, please read the following instructions carefully before using the unit.

Requirements:

- Place the unit on a flat, dry surface.
- Keep the air conditioner at least 20 inches (50 cm) away from surrounding objects.

- Ensure the power supply complies with safety specifications, includes proper grounding, and is securely connected.
- After installation, ensure the plug is intact and firmly inserted into the socket.
- Keep the air inlet and outlet unobstructed.
- If the power cord is damaged, it must be replaced by qualified personnel from the manufacturer's maintenance department or a similar authorized service center.
- Keep the unit away from flammable materials such as gasoline, stoves, or other heat sources.
- Arrange wires neatly to avoid tripping hazards or accidental disconnection.
- Turn off the unit and unplug it immediately if the power cord is damaged. Seek professional maintenance assistance promptly.
- This appliance can be operated by children aged 8 years and above, or individuals with reduced physical, sensory, or mental capabilities, only under proper supervision or instruction regarding safe usage and potential hazards.
- Children must not play with the appliance. Cleaning and maintenance must not be performed by children without supervision.

Prohibitions:

- This air conditioner is for household use only and should not be used for other purposes.
- Do not install the unit in damp areas, such as laundry rooms or locations with excessive moisture.
- Avoid turning the unit on or off by plugging or unplugging the power cord.
- Do not place objects on the unit or insert items into the air inlet or outlet.
- Do not use insecticides, flammable sprays, or other hazardous substances near the air conditioner.
- Do not allow oil or water to come into contact with the unit.
- Clean the unit with a semi-damp, soft cloth only. Do not use water, benzene, gasoline, alcohol, or chemical solvents. If cleaning is needed, use a neutral detergent.

Suggestions:

For optimal operation:

- **Cooling mode:** Do not use the unit if the ambient temperature exceeds 104°F (40°C).
- **Heating mode:** Do not use the unit if the ambient temperature is below 44.6°F (7°C).

Parts

Parts Name:

- | | |
|--------------------------|-----------------------|
| 1. Control Panel | 7. Power Cord |
| 2. Wind Guide Bar | 8. Filter |
| 3. Exhaust Hose Assembly | 9. Air Outlet |
| 4. Casters | 10. Power Cord Buckle |
| 5. Handle | 11. Drainage Outlet |
| 6. Air Intake Grille | |

Figure 1

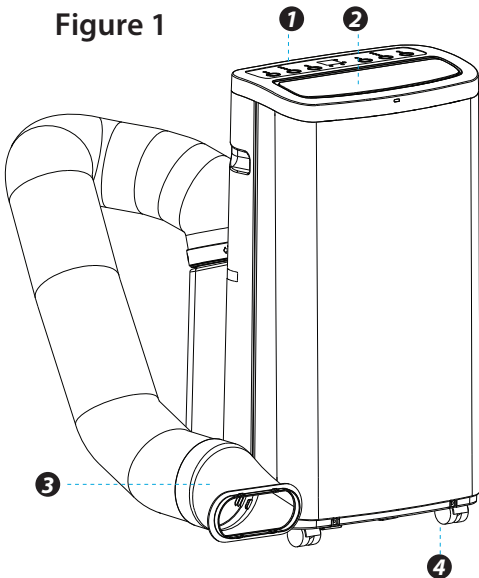
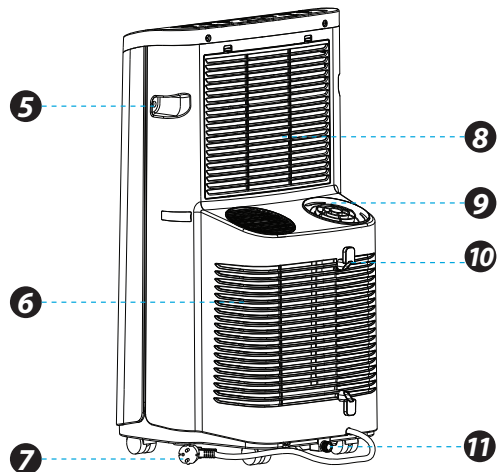


Figure 2



Control Panel

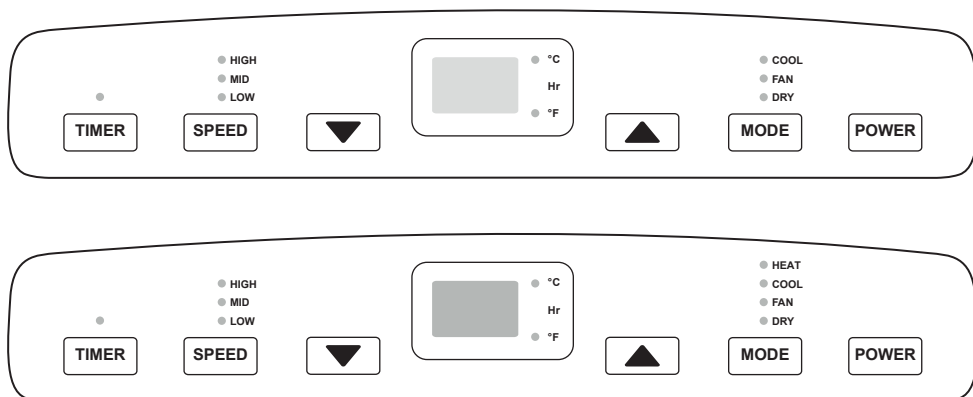


Figure 3

Notes: After shutting down the unit in cooling or heating mode, wait at least 3 minutes before restarting.

Panel Description

1. Buttons and Display

- **POWER:** Turns the unit ON or OFF.
- **MODE:** Selects Cool, Fan, Dry or Heat mode. Indicator lights display the selected mode.
- **UP/DOWN:**
 - Adjusts the temperature in Cool mode.
 - Adjusts the timer in Timing mode.
 - Press UP and DOWN simultaneously to switch between Fahrenheit (°F) and Celsius (°C).
- **SPEED:** Adjusts fan speed (Low, Medium, High).
The corresponding indicator light will illuminate.
- **TIMER:** Activates the timer setting mode.

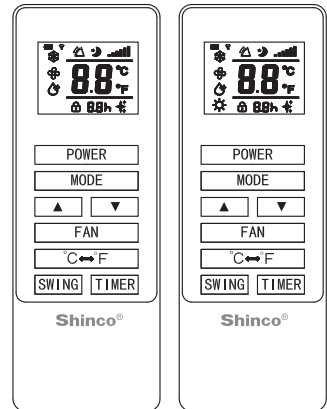
• 88 DISPLAY:

- **In Cool mode:** Displays the set temperature.
- **In Fan and Dry modes:** Displays the room temperature.
- "°C" indicates Celsius, and "°F" indicates Fahrenheit.

Remote Control Instructions

- **POWER:** Turns the unit ON or OFF.
- **MODE:** Selects Cool, Fan, Dry or Heat mode.
- **UP/DOWN:** Adjusts temperature and timer settings.
- **FAN:** Adjusts fan speed (Low, Medium, High).
- **TIMER:** Sets the timer.
- **SWING:** Controls the air outlet's oscillation.
- **°C/°F:** Toggles between Celsius and Fahrenheit.

Figure 4



Cooling only
remote control

Multiple Protection Functions

1. Frost Protection Function:

In Cool, Dry, or Energy-Saving modes, the unit will enter protection mode if the exhaust pipe temperature drops too low. It will resume normal operation once the temperature stabilizes.

2. Full Water Protection Function:

- If water in the tray exceeds the warning level, the unit will sound an alarm, and the display will show "FL."
- To resolve this, connect a drainage pipe to the outlet and empty the water into a drainage area. Once emptied, the unit will resume normal operation.

3. Compressor Protection Function:

To protect the compressor's lifespan, there is a 3-minute delay before restarting after the compressor is shut down.

Operation Method

Time Setting

1. Setting the Timer for Shutdown

- While the machine is running, press the Timer key. The timer LED will light up, and the "88" display will flash "0" for five seconds.
- During this time, press the Up or Down keys to adjust the shutdown time from 1 hour to 24 hours. Each press increases or decreases the time by 1 hour.
- Once the set time is reached, the machine will shut down automatically.

2. Setting the Timer for Start-Up

- While the machine is in standby mode, press the Timer key. The timer LED will light up, and the "88" display will flash "0" for five seconds.
- Use the Up or Down keys to adjust the start-up time, following the same procedure as for the shutdown timer.
- You can also select the working mode (cooling, heating, etc.) and adjust the temperature if applicable. Once the set time is reached, the machine will start automatically and operate in the selected mode.

3. Changing the Timer Setting

- While the timer is active, press the Timer key to display the remaining time. The "88" display will flash.
- During this time, press the Up or Down keys to adjust the remaining time.
- If you press the Timer key again while the display is flashing, the timer setting will be canceled.

Operation Modes

1. Cool Mode or Heat Mode

- Press the Mode key to select Cool Mode or Heat Mode while the machine is running or set to start-up mode. The corresponding LED will light up.
- Adjust the temperature using the Up or Down keys. The temperature can be set between 60°F and 86°F (16°C and 30°C), increasing or decreasing by 1°F or 1°C with each press.
- Use the Fan Speed key to select the desired fan speed (Low, Medium, or High).
- To enable Sleep Mode, press and hold the Up and Timer keys simultaneously. This forces both fans to operate at low speed. Press the same key combination again or change the mode to cancel Sleep Mode.

2. Dry Mode

Press the Mode key to select Dry Mode while the machine is running or set to start-up mode. The corresponding indicator light will turn on.

Note: The temperature and fan speed cannot be adjusted in Dry Mode.

3. Fan Mode

- Press the Mode key to select Fan Mode while the machine is running or set to start-up mode. The corresponding indicator light will turn on.
- Use the Fan Speed key to select the desired fan speed (Low, Medium, or High).

Note: The temperature cannot be adjusted in Fan Mode.

Important Notes:

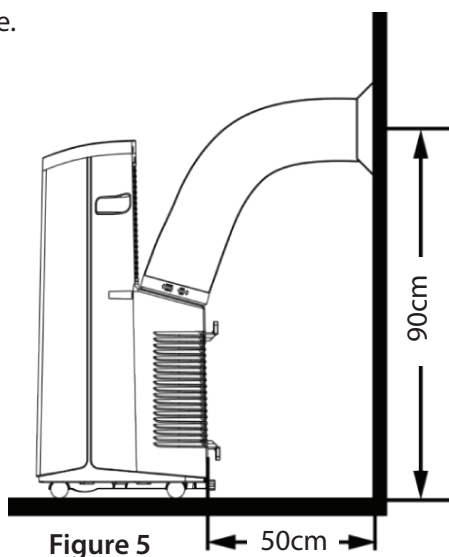
1. If the Full Water indicator is displayed, the machine will stop working.
Drain the water before restarting the machine.
2. The exhaust duct is not required when using Dry Mode or Fan Mode.
3. If your room is exposed to direct sunlight, close the curtains for optimal cooling performance.

Installation

1. Selecting the Installation Location

- Install the machine on a flat, dry surface.
- Ensure at least 20 inches (50 cm) of clearance around the machine for proper airflow.
- **The optimal installation distance is:**
 - 20 inches (50 cm) from the back of the machine to the wall.
 - 36 inches (90 cm) from the air outlet to the floor.

Refer to Figure 5 for an illustration of the recommended installation setup.



2. Assembly Method of Exhaust Pipe

a. **Connect the Exhaust Pipe Assembly:**

Attach the exhaust pipe to the round joint as shown in Figure 6.

b. **Attach to the Machine:**

Fix the circular end of the exhaust pipe assembly to the air outlet of the machine, ensuring alignment with the direction shown in Figure 7.

c. **Connect to the Window Sealing Plate:**

Secure one end of the oblate joint on the exhaust pipe assembly to the window sealing plate.

d. **Install the Window Seal:**

Fit the window seal to the nearest window. Ensure there are no obstacles within 20 inches (50 cm) outside the window to allow smooth exhaust flow.

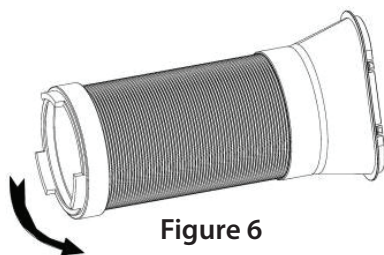


Figure 6

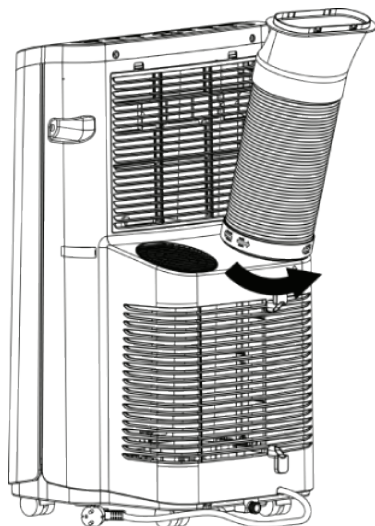


Figure 7

Important Notes:

- The length of the exhaust duct should be between 24 inches (60 cm) and 67 inches (170 cm), including the adapter.
- It is recommended to use the shortest possible length to optimize energy efficiency.
- The exhaust duct is specifically designed for this air conditioner model. Do not use exhaust pipes of different lengths or materials, as this may cause operational failure.

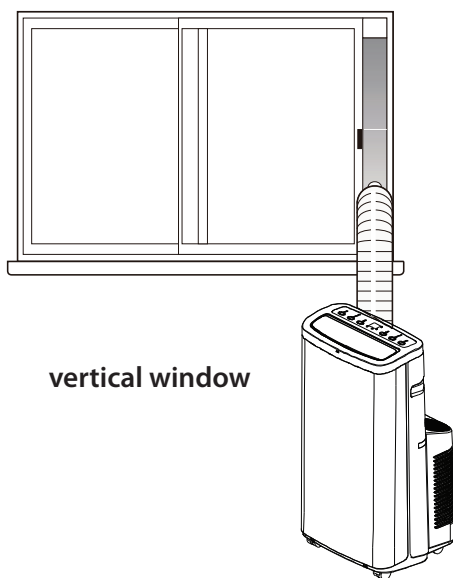
Note:

The exhaust pipe and installation method described above are part of the standard configuration provided by the company. Actual components may vary slightly.

3. Installation of Window Sealing Plate

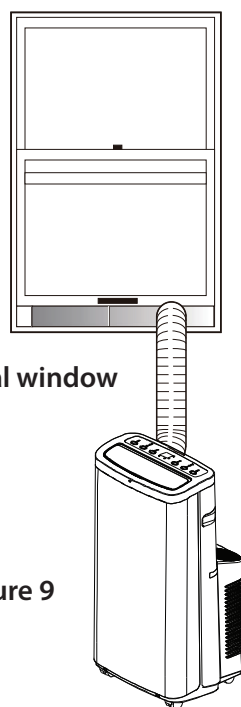
The window sealing panels are designed to fit most horizontal or vertical windows. Follow these steps to install the plate:

- a. **Measure the Window Size:** Accurately measure the width or height of your window.
- b. **Adjust the Window Sealing Plate:** Extend or shorten the sealing plate to match the measured window size.
- c. **Secure the Sealing Plate:** Once the length is adjusted, secure the sealing plate using the provided screws to fix it in place.



vertical window

Figure 8



horizontal window

Figure 9

- d. **Secure the Sealing Plate to the Window:** Install the adjusted and fixed window sealing plate onto the window frame. Ensure it is positioned firmly and securely.
- e. **Attach the Exhaust Pipe Assembly:**
 - Connect the flat end of the exhaust nozzle to the window sealing plate assembly.
 - Use screws to fix the exhaust pipe assembly securely to the sealing plate for a tight connection.

4. Installation Diagram

Ensure all components are aligned as shown in the diagram for efficient operation.

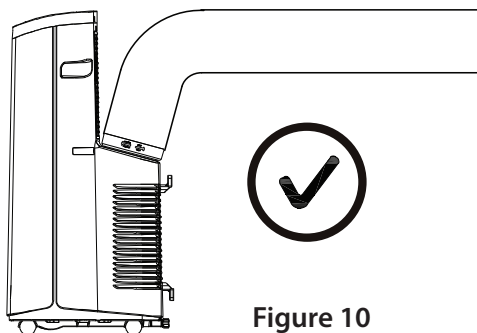


Figure 10

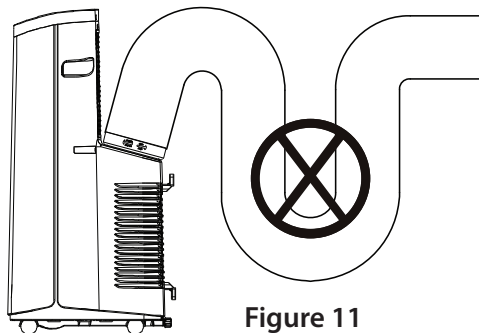


Figure 11

Drainage Operation

1. Condensation in Wet Weather

- During refrigeration or drying mode in humid conditions, the unit may produce excess condensed water.
- When the water level in the water tray reaches a certain limit, the unit will activate a full water alarm, stop the compressor, and display a "Full Water" indicator on the control panel.
- An alarm will sound until the water level drops below the warning threshold or the water is manually drained. Once drained, the unit will resume normal operation.

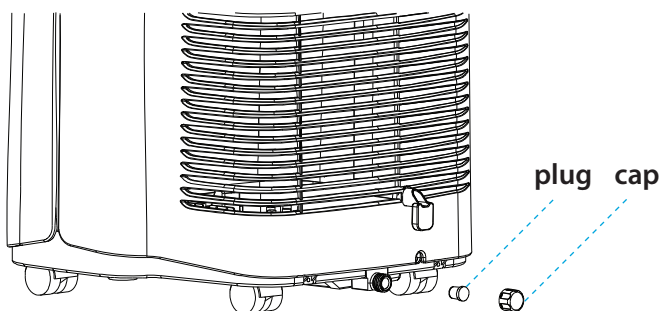
2. How to Drain Water

- When the full water alarm is triggered, promptly drain the water:
 - Move the unit to an area where you can safely drain water (e.g., a toilet or sewer).
 - Unscrew the nut on the drainage outlet and remove the water plug.
 - Allow the water to fully drain.
 - Reinstall the water plug and nut securely before using the unit again.

Note:

When moving the machine to drain water, handle it carefully to prevent water spillage from inside the unit.

Figure 12



Maintenance

Cleaning

Important: Before cleaning, ensure the unit is turned off and unplugged from the power source.

- 1. Cleaning the Surface:** Wipe the exterior of the unit with a duster or a soft, damp cloth. Avoid using harsh chemical agents such as benzene, alcohol, or gasoline, as these can damage the surface or compromise the machine's overall integrity.
- 2. Cleaning the Filter Screen:**
 - A blocked filter can impede air circulation and reduce the efficiency of the air conditioner.
 - For optimal performance, it is recommended to clean the filter every two weeks during long-term use.

Steps to Clean the Filter:

- 1. Remove the Filter:** Pull out the filter in the direction indicated in Figure 13.
- 2. Clean the Filter:**
 - Submerge the filter in warm water (approximately 40°C/104°F) mixed with a neutral detergent.
 - Gently clean the filter to remove dust and debris.
- 3. Dry the Filter:** Allow the filter to dry completely in a shaded area. Avoid direct sunlight to prevent damage.

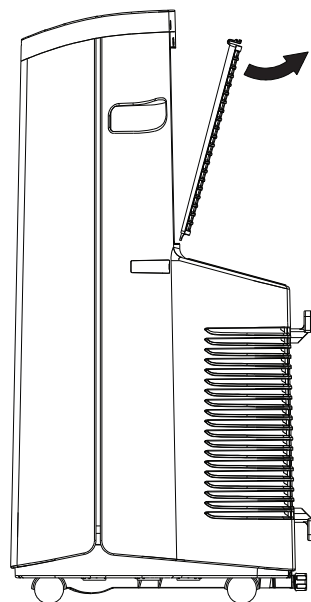


Figure 13

Note: Regular maintenance of the filter ensures better air circulation and prolongs the life of your air conditioner.

Post-Season Preservation

When the air conditioner will not be used for an extended period, such as after the cooling season, follow these maintenance steps to ensure its longevity:

1. Drain Water

- Fully drain the water from the internal water tray through the drain outlet.
- During drainage, tilt the unit backward slowly to ensure all water is removed.

2. Dry the Unit

- Set the air conditioner to Air Supply Mode.
- Press and hold the Wind Speed button for 5 seconds until the downdraft fan begins working.
- Let the unit operate in this mode for 2–3 hours to dry the internal components and prevent mildew growth.

3. Power Off and Store Components

- Turn off the unit and unplug the power cord.
- Wrap the cord neatly and secure it in place.
- Detach the exhaust pipe and store it safely.

4. Protect and Store the Unit

- Cover the air conditioner with a plastic bag to protect it from dust.
- Place the unit in a dry location.

5. Remove the Remote Control Batteries: Remove the batteries from the remote control to prevent leakage. Store them in a cool, dry place.

Troubleshooting Guide

Before contacting a professional electrician, check the following:

TROUBLE	CAUSE	SOLUTION
The air conditioner doesn't work	Is the power off? Is the plug not inserted? Is the fuse blown or closed? Is the time setting appropriate? Is there a full water warning?	Normal phenomenon. Plug in the power plug. Replace the fuse or turn on the power. Change the time setting. Pour out the water.
The air conditioner is not cooling	Is the air inlet and outlet blocked? Is there any other heating source in the room? Is the filter too dirty? Is the temperature setting appropriate? Is the fan speed set to the lowest gear?	Remove the blockage. Remove other heat sources. Clean the filter screen. Change the temperature. Choose the right wind speed.
The air conditioner is not standing securely, too much noise, and shaking while running	Is the fuselage tilted? Is the ground uneven?	Put it on the ground. Ensure it's placed on an even surface.

Note:

In case of the following abnormal conditions, turn off the air conditioner and pull out the plug, then contact a professional electrician:

- The fuse often breaks.
- The power cord is damaged or the skin of the cord is exposed.
- The body produces an abnormal odor.

Intelligent Detection Function

Error-detecting code	Multi-functional defection
E1	Coil sensor sensing abnormal
E2	Abnormal perception of room temperature sensor
E4	Anti-freezing protection
FL	The machine is in full water alarm state
FUSE PARAMETERS	Voltage: 250V AC; Current: 3.15A



Do not place the waste separately for other special purposes



Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact you local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being. When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposals at least free of charge.