The design and specifications are subject to change without prior notice for product improvement. Consult with the sales agency or manufacturer for details.

Thank you for purchasing of SENVILLE air conditioner. To guarantee safety and best efficiency, please read this manual carefully and keep a suitable storage for reference.
When using this air conditioner in the European countries, please read the following information:

**DISPOSAL:** Do not dispose of this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

It is prohibited to dispose of this appliance in domestic household waste. For disposal, there are several possibilities:

A) The municipality has established collection systems, where electronic waste can be disposed of at least free of charge to the user.
B) When buying a new product, the retailer will take back the old product at least free of charge.
C) The manufacturer will take back the old appliance for disposal at least free of charge to the user.
D) As old products contain valuable resources, they can be sold to scrap metal dealers.

Wild disposal of waste in forests and landscapes endangers your health when hazardous substances leak into the ground-water and find their way into the food chain.
SAFETY PRECAUTIONS

To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring of instructions may cause harm or damage. The seriousness is classified by the following indications.

This symbol indicates the possibility of death or serious injury.

This symbol indicates the possibility of injury or damage to property.

Meanings of symbols used in this manual are as shown below.

Never do this.

Always do this.

WARNING

Connect with the power properly.

- Otherwise, it may cause electric shock or fire due to excess heat generation.

Do not modify power cord length or share the outlet with other appliances.

- It may cause electric shock or fire due to heat generation.

When the air filter is to be removed, do not touch the metal parts of the unit.

- It may cause electric shock or fire.

Do not operate or stop the unit by switching on or off the power.

- It may cause electric shock or fire due to heat generation.

Do not operate with wet hands or in damp environment.

- It may cause electric shock.

Do not allow water to run into electric parts.

- It may cause failure of machine or electric shock.

Use the correctly rated breaker or fuse.

- There is risk of fire or electric shock.

Always install circuit breaker and a dedicated power circuit.

- No installation may cause fire and electric shock.

Do not use strong detergent such as wax or thinner.

- Use a soft cloth for cleaning.

Ensure that the installation bracket of the outdoor appliance is not damaged due to prolonged exposure.

- If bracket is damaged, there is concern of damage due to falling of unit.

Ensure the power cord is not damaged.

- If the cord is not damaged, it may cause failure of appliance or accident.

Do not use for special purposes.

- Operation without filters may cause failure.

Turn off the main power switch when not using the unit for a long time.

- It may cause failure of product or fire.

Ensure that the installation bracket of the outdoor appliance is not damaged due to prolonged exposure.

- If bracket is damaged, there is concern of damage due to falling of unit.

If water enters the unit, turn off power and contact a qualified service technician.

- It may cause failure of appliance or accident.

Always insert the filters securely. Clean filter once every two weeks.

- Use caution when unpacking and installing. Sharp edges could cause injury.

Do not place obstacles around air-inlets or inside of air-outlet.

- Do not place a pet or houseplant where it will be exposed to direct air flow.

Do not put a pet or houseplant where it will be exposed to direct air flow.

- This could injure the pet or plant.

Do not put objects like thin rods into the panel of blower and suction side.

- The high-speed fan inside may cause danger.

Do not use this air conditioner to preserve precision devices, food, pets, plants, and art objects.

- It may cause deterioration of quality, etc.

Ventilate the room well when used together with a stove, etc.

- An oxygen shortage may occur.

Use caution when unpacking and installing. Sharp edges could cause injury.

- Operation without filters may cause failure.

Ensure the power cord is not damaged.

- If the cord is not damaged, it may cause failure of appliance or accident.

Always insert the filters securely. Clean filter once every two weeks.

- If water enters the unit, turn off power and disconnect the power, contact a qualified service technician.

Do not place heavy object on the power cord and take care so that the cord is not compressed.

- There is danger of fire or electric shock.

Water may enter the unit and degrade the insulation. It may cause an electric shock.

Do not use the power cord near flammable gas or combustibles, such as gasoline, benzene, thinner, etc.

- It may cause explosion or fire.

Use caution when unpacking and installing. Sharp edges could cause injury.

- Do not place heavy object on the power cord and take care so that the cord is not compressed.

Ensure the power cord is not damaged.

- If the cord is not damaged, it may cause failure of appliance or accident.

Always insert the filters securely. Clean filter once every two weeks.

- If water enters the unit, turn off power and disconnect the power, contact a qualified service technician.

Do not place heavy object on the power cord and take care so that the cord is not compressed.

- There is danger of fire or electric shock.

Do not clean the air conditioner with water.

- It may cause explosion, fire and burns.

- It may cause explosion or fire.

Do not use the power cord near flammable gas or combustibles, such as gasoline, benzene, thinner, etc.

- It may cause explosion or fire.

Do not place obstacles around air-inlets or inside of air-outlet.

- Do not place a pet or houseplant where it will be exposed to direct air flow.

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- It may cause explosion or fire.
OPERATING INSTRUCTIONS

Indoor unit
1. Front panel
2. Air inlet
3. Air filter
4. Air outlet
5. Horizontal air flow grille
6. Vertical air flow louver (inside)
7. Display panel

NOTE: The actual shape of the indoor unit you purchased may be slightly different on front panel and display window.

Outdooor unit
8. Connecting pipe
9. Connecting cable
10. Stop valve

Indication lamps on LED Display window
- **FRESH indication lamp (optional function)**: This lamp illuminates when the Clean Air feature is activated.

- **DEFROST indication lamp**: (Applicable to cooling & heating models only) Lights up when the air conditioner starts defrosting automatically or when the warm air control feature is activated in heating operation.

- **RUN indication lamp**: This lamp illuminates when the air conditioner is in operation.

- **TIMER indication lamp**: Lights up during Timer operation.

- **Temperature indicator**: Displays the temperature settings when the air conditioner is operational.

- Displays the malfunction code.

**NOTE:** All the pictures in this manual are for explanation purpose only. Your air conditioner may be slightly different. The actual shape will prevail.

**Special functions**

**Refrigerant Leakage Detection**
With this new technology, the display area will appear 'EC' or the LED indication lamps keep flashing (depending on models) when the outdoor unit detects refrigerant leakage.

**Louver Angle Memory Function (optional)**
Within the scope of safety angle, it will memorize the open angle of horizontal louver. If it exceeds, it will memorize the boundary of safety angle. In the following circumstances, it will return to standard angle: 1) pressing the turbo or manual control button, 2) unplug and then plug in the machine. So we strongly suggest that the open angle of the horizontal louver should not be set too small, in case the condensed water forms and drops from the horizontal louver.

**SELF CLEAN function (Optional)**
- Function used after the Shut Down of cooling operation to clean the Evaporator and keep it as fresh for the next operation.
- The unit will operate as following sequence: FAN ONLY mode at Low fan speed -- Heating operation with LOW fan speed (applicable to cooling & heating models only) -- FAN ONLY operation -- Stop Operation -- Turn off.
- **Note:**
  - This function is only available under COOL(AUTO COOL, FORCED COOL) and DRY mode.
  - Before selecting the function, it is recommended to run the air conditioner under Cooling operation for about half an hour.
  - Once the Self Clean function is activated, all TIMER setting will be cancelled.
  - During Self Clean operation, when press the SELF CLEAN button on the remote controller again will stop the operation and turn off the unit automatically.

**FRESH function (on some models)**
This air conditioner is equipped with ionizer or Plasma Dust Collector (Depending on specific configuration of the model). With the anions generated by ionizer, the air circulation of the air conditioner fills the room with refreshing, natural and healthy air. The Plasma Dust Collector generates a high voltage ionization zone, through which the air is converted to plasma. Inside the air, most of the dust, smoke, and pollen particles are captured by the electrostatic filter.

**Anti-mildew function (Optional)**
When turns off the unit on COOL, DRY, AUTO (Cool) mode, the air conditioner will continue operating for about 7-10 minutes (depending on models) with soft wind. This will help to dry up the condensed water inside the evaporator, and prevent the breeding of mildew.

**Vertical swing function (Optional)**
After the AC starts up, users can control the vertical louver swing by the remote controller.
OPERATING INSTRUCTIONS

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

Operating temperature

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room temperature</td>
<td>Cooling operation</td>
</tr>
<tr>
<td>≥17°C(62°F)</td>
<td>≤30°C(86°F)</td>
</tr>
<tr>
<td>0°C<del>50°C (32°F</del>122°F)</td>
<td></td>
</tr>
<tr>
<td>Outdoor temperature</td>
<td>-15°C<del>30°C (5°F</del>86°F)</td>
</tr>
<tr>
<td>-15°C<del>50°C/ 5°F</del>122°F: For the models with low temperature cooling system</td>
<td></td>
</tr>
</tbody>
</table>

NOTE:
1. Optimum performance will be achieved within these operating temperatures. If air conditioner is used outside of the above conditions, certain safety protection features might come into operation and cause the unit to function abnormally.
2. Room relative humidity less than 80%. If the air conditioner operates in excess of this figure, the surface of the air conditioner may attract condensation. Please sets the vertical air flow louver to its maximum angle (vertically to the floor), and set HIGH fan mode.

Suggestion: For the unit adopts an Electric Heater, when the outside ambient temperature is below 0°C(32°F), we strongly recommend you to keep the machine plugged in order to guarantee it running smoothly.

Manual operation

Manual operation can be used temporarily in case the remote controller is disable or the unit requires maintenance.

NOTE: The unit must be turned off before operating the manual control button. If the unit is operational, continue pressing the manual control button until the unit is off.

1. Open and lift the front panel up to an angle until it remains fixed with a clicking sound. For some models, please use suspension bars to prop up the panel.
2. One press of the manual control button will lead to the forced AUTO operation. If press the button twice within five seconds, the unit will operate under forced COOL operation.
3. Close the panel firmly to its original position.

CAUTION:
- This button is used for testing purposes only. You had better not choose it.
- To restore the remote controller operation, use the remote controller directly.

Airflow direction control

Adjust the air flow direction properly otherwise it might cause discomfort or cause uneven room temperatures.

Adjust the horizontal/vertical louver using the remote controller. For some models, the vertical louver can only be adjusted manually.

To set the horizontal/vertical air flow direction
- Perform this function while the unit is in operation.
- Use the remote controller to adjust the air flow direction. The vertical/horizontal louver changes 6 degree in angle for each press, or swing up and down automatically.

Please refer to the "REMOTE CONTROLLER OPERATION MANUAL" for details.

For some models, the vertical louver can only be adjusted manually. Move the deflector rod manually to adjust the air flow in the direction you prefer.

IMPORTANT: Do not put your fingers into the panel of blower and suction side. The high-speed fan inside may cause danger.

CAUTION:
- Do not operate the air conditioner for long periods with the air flow direction set downward in cooling or dehumidifying mode. Otherwise, condensation may occur on the surface of the horizontal louver causing moisture to drop on to the floor or on furnishings.
- When the air conditioner is started immediately after it was stopped, the horizontal louver might not move for approximately 10 seconds.
- Open angle of the horizontal louver should not be set too small, as COOLING or HEATING performance may be impaired due to too restricted air flow area.
- Do not move the horizontal louver manually, otherwise the horizontal louver will be out of sync. Please cease operating, unplug power for a few seconds, then restart the air conditioner.
- Do not operate unit with horizontal louver in closed position.
Cleaning the Grille, Case and Remote Controller

A cloth dampened with cold water may be used on the indoor unit if it is very dirty. Then wipe it with a dry cloth.

Do not use a chemically treated cloth or duster to clean the unit.

Do not use benzine, thinner, polishing powder, or similar solvents for cleaning. These may cause the plastic surface to crack or deform.

Never use water hotter than 40°C/104°F to clean the front panel, it could cause deformation or discoloration.

CAUTIONS

CARE AND MAINTENANCE

Care and Maintenance

Cleaning the Grille, Case and Remote Controller

Turn the system off before cleaning. To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

NOTE: Power supply must be disconnected before cleaning the indoor unit.

CAUTIONS

- A cloth dampened with cold water may be used on the indoor unit if it is very dirty. Then wipe it with a dry cloth.
- Do not use a chemically treated cloth or duster to clean the unit.
- Do not use benzine, thinner, polishing powder, or similar solvents for cleaning. These may cause the plastic surface to crack or deform.
- Never use water hotter than 40°C/104°F to clean the front panel, it could cause deformation or discoloration.

Cleaning the air filter

NOTE: Power supply must be disconnected before cleaning the indoor unit.

A clogged air filter reduces the cooling efficiency of this unit. Please clean the filter once every 2 weeks.

1. Lift the indoor unit panel up to an angle until it stops with a clicking sound. For some models, please use suspension bars to prop up the panel.
2. Take hold of the handle of the air filter and lift it up slightly to take it out from the filter holder, then pull it downwards.
3. Remove the AIR FILTER from the indoor unit. Clean the AIR FILTER once every two weeks. Clean the AIR FILTER with a vacuum cleaner or water, then dry it up in cool place.
CARE AND MAINTENANCE

4. Remove the Air Freshening Filters from its supporting frame (The solution to disassemble may differ from each other for different filters. Refer to 1 and 2). Clean the air freshening filter at least once a month, and replace it every 4-5 months. Clean it with vacuum cleaner, then dry it in a cool place. For the models with plasma, do not touch the plasma within 10 minutes after you open the panel.

5. Install the air freshening filter back into position.
6. Insert the upper portion of air filter back into the unit, taking care that the left and right edges line up correctly and place filter into position.

Maintenance
If you plan to not use the unit for a long time, perform the following:
1. Clean the indoor unit and filters.
2. Operate the fan for about half a day to dry the inside of the unit.
3. Stop the air conditioner and disconnect power.
4. Remove the batteries from the remote controller.

Checks before operation
- Check that the wiring is not broken off or disconnected.
- Clean the indoor unit and filters.
- Check that the air filter is installed.
- Check if the air outlet or inlet is blocked after the air conditioner has not been used for a long time.

Caution
- Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
- Do not use water to clean inside the air conditioner. Exposure to water can destruct the insulation, leading to possible electric shock.
- When cleaning the unit, first make sure that the power and circuit breaker are turned off.
- Do not wash with hot water at more than 40℃. Shake off moisture completely and dry it in the shade; do not expose it directly to the sun. The filter may shrink.
- Do not wash with hot water at more than 40℃. Shake off moisture completely and dry it in the shade; do not expose it directly to the sun. The filter may shrink.

OPERATION TIPS

The following events may occur during normal operation.

1. Protection of the air conditioner.
   - Compressor protection
   - The compressor can't restart for 3 minutes after it stops.
   - Anti-cold air (Cooling and heating models only)
     - The unit is designed not to blow cold air on HEAT mode, when the indoor heat exchanger is in one of the following three situations and the set temperature has not been reached.
     - A) When heating has just started.
     - B) Defrosting.
     - C) Low temperature heating.
   - The indoor or outdoor fan stop running when defrosting (Cooling and heating models only).
   - Defrosting (Cooling and heating models only)
     - Frost may be generated on the outdoor unit during heat cycle when outdoor temperature is low and humidity is high resulting in lower heating efficiency of the air conditioner.
     - During this condition air conditioner will stop heating operation and start defrosting automatically.
     - The time to defrost may vary from 4 to 10 minutes according to the outdoor temperature and the amount of frost built up on the outdoor unit.

2. A white mist coming out from the indoor unit
   - A white mist may generate due to a large temperature difference between air inlet and air outlet on COOL mode in an indoor environment that has a high relative humidity.
   - A white mist may generate due to moisture generated from defrosting process when the air conditioner restarts in HEAT mode operation after defrosting.

3. Low noise of the air conditioner
   - You may hear a low hissing sound when the compressor is running or has just stopped running. It is the sound of the refrigerant flowing or coming to a stop.
   - You can also hear a low "squeak" sound when the compressor is running or has just stopped running. This is caused by heat expansion and cold contraction of the plastic parts in the unit when the temperature is changing.
   - A noise may be heard due to louver restoring to its original position when power is turned on.

4. Dust is blown out from the indoor unit
   - This is a normal condition when the air conditioner has not been used for a long time or during first use of the unit.

5. A peculiar smell comes out from the indoor unit.
   - This is caused by the indoor unit giving off smells permeated from building material, from furniture, or smoke.

6. The air conditioner turns to FAN only mode from COOL or HEAT (For cooling and heating models only) mode.
   - When indoor temperature reaches the temperature setting on air conditioner, the compressor will stop automatically, and the air conditioner turns to FAN only mode. The compressor will start again when the indoor temperature rises on COOL mode or falls on HEAT mode (For cooling and heating models only) to the set point.

7. The air conditioner runs Anti-mildew function after turning off the unit.
   - When turning off the unit under COOL(AUTO COOL, FORCED COOL) and DRY mode, the air conditioner will run Anti-mildew function for 7-10 seconds, then stop the operation and turn off the unit automatically.
8. Dripping water may generate on the surface of the indoor unit when cooling in a high relatively humidity (relative humidity higher than 80%). Adjust the horizontal louver to the maximum air outlet position and select HIGH fan speed.

9. Heating mode (For cooling and heating models only)
The air conditioner draws in heat from the outdoor unit and releases it via the indoor unit during heating operation. When the outdoor temperature falls, heat drawn in by the air conditioner decreases accordingly. At the same time, heat loading of the air conditioner increases due to larger difference between indoor and outdoor temperature. If a comfortable temperature can’t be achieved by the air conditioner, we suggest you use a supplementary heating device.

10. Auto-restart function
• Power failure during operation will stop the unit completely.
• For the unit without Auto-restart feature, when the power restores, the OPERATION indicator on the indoor unit starts flashing. To restart the operation, push the ON/OFF button on the remote controller. For the unit with Auto-restart feature, when the power restores, the unit restarts automatically with all the previous settings preserved by the memory function.

11. Lightning or a car wireless telephone operating nearby may cause the unit to malfunction. Disconnect the unit with power and then re-connect the unit with power again. Push the ON/OFF button on the remote controller to restart operation.

If one of the following faults occurs, stop the air conditioner immediately, disconnect the power and then connect it in again. If the problem still exists, disconnect the power and contact the nearest customer service center.

- Fuse blows frequently or circuit breaker trips frequently.
- Other objects or water fall into the air conditioner.
- The remote controller won’t work or works abnormally.
- If one of the following code appears on the display area: E0,E1,E2,E3.....or P0,P1,P2,P3.....

Malfunctions | Cause | What should be done?
--- | --- | ---
Unit does not start | Power cut | Wait for power to be restored.
Unit may have become Unplugged. | Check that plug is securely in wall receptacle.
Fuse may have blown. | Replace the fuse.
Battery in Remote controller may have been exhausted. | Replace the battery.
The time you have set with timer is incorrect. | Wait or cancel timer setting.
Unit not cooling or heating (Cooling/ heating models only) | Inappropriate temperature setting. | Set temperature correctly. For detailed method please refer to "Using remote control" section.
Air filter is blocked. | Clean the air filter.
Doors or Windows are open. | Close the doors or windows.
Air inlet or outlet of indoor or outdoor unit has been blocked. | Clear obstructions away first, then restart the unit.
Compressor 3 minutes protection has been activated. | Wait.

If the trouble has not been corrected, please contact a local dealer or the nearest customer service center. Be sure to inform them of the detailed malfunctions and unit model number.

Notes: Do not attempt to repair the unit yourself.
Always consult an authorized service provider.