

features of your new air conditioner

- **Slim & Smart Design**

Extremely slim and compact design will allow this air conditioner to fit in any kind of interior space.

- **mpi**

mpi function generates hydrogen(H) and oxygen(O₂) to attack undesirable air contaminants such as bacteria, pollen, and odor. It makes you breathe better as if you were staying around waterfalls, ocean surf, rivers and mountains.

- **2Way air outlet**

There are two separate air outlets for cooling and heating. Having warmer air coming out from the bottom part of the air outlet will spread the warm air evenly throughout the room. Stay cooler and warmer in every corner of your room.

- **Cost Efficient System**

Your new air conditioner not only provides maximum cooling power in the summer, but can also be an efficient heating method in the winter with the advanced “Heat Pump” system. This technology is up to 300% more efficient than electrical heating, so you can further reduce its running cost. Now, meet year-round needs with one air conditioner.



For easy future reference write the model and serial number down. You will find your model number on the right side of the air conditioner.

Model # _____
Serial # _____

safety information












To prevent electric shock, disconnect the power before servicing, cleaning, and installing the air conditioner.

SAFETY INFORMATION

Before using your new air conditioner, please read this manual thoroughly to ensure that you know how to safely and efficiently operate the extensive features and functions of your new appliance.

Because the following operating instructions cover various models, the characteristics of your air conditioner may differ slightly from those described in this manual. If you have any questions, call your nearest contact center or find help and information online at www.samsung.com.

Important safety symbols and precautions:



 WARNING	Hazards or unsafe practices that may result in severe personal injury or death.
 CAUTION	Hazards or unsafe practices that may result in minor personal injury or property damage.
 CAUTION	To reduce the risk of fire, explosion, electric shock, or personal injury when using your air conditioner, follow these basic safety precautions:
	Do NOT attempt.
	Do NOT disassemble.
	Do NOT touch.
	Follow directions carefully.
	Cut-off the power supply.
	Make sure the machine is grounded to prevent electric shock.
	Call the contact center for help.
	Note.

These warning signs are here to prevent injury to you and others. Please follow them carefully.

After reading this section, keep it in a safe place for future reference.

safety information

SEVERE WARNING SIGNS

-  **Do not place the air conditioner near hazardous substances or equipment that releases free flames to avoid fire, explosions or injuries.**
 - Potential risk of fire hazard or explosion.
- Do not install the outdoor unit at an unstable place or elevated surface where there is potential risk of falling.**
 - If the outdoor unit falls, it may cause personal injury or loss of property.
- Failure or damage may occur if any changes or modification that is not stated in the installation manual was performed. In this case, user will be responsible for the repair expenses.**
- Install the air conditioner away from direct exposure to sunlight, heating apparatus, and humid places.**
 - Hang curtains on windows to boost cooling efficiency and to avoid the risk of electric shock.
- Use the power line with the power specifications of the product or higher and use the power line for this appliance only. In addition, do not use an extension line.**
 - Extending the power line may result in electric shock or fire.
- Install an exclusive circuit breaker and short-circuit breaker for the air conditioner.**
 - Potential risk of electric shock or fire.
- Do not insert anything such as fingers or branches into the air conditioner vents while the air conditioner is running.**
 - Keep the children away from the air conditioner to prevent them from putting their finger on the air conditioner. Potential risk of personal injury.
- If any foreign substance such as water has entered the appliance, cut-off the power supply and contact the nearest service center.**
 - Failing to do so may result in electric shock or fire.
- Turn off the air conditioner using the provided remote control or control accessory (if provided). Do not cut-off the power supply to turn off the unit (unless there is an immediate danger).**
- Do not run the air conditioner for an extended period of time in a room with the door closed or with babies, elderly or disabled people.**
 - Open the door or windows to ventilate your room at least once an hour to prevent oxygen shortage.
- The air conditioner is composed of moving parts. Keep children away from the unit to avoid physical injury.**
-  **Make sure that children take precautions against access to the air conditioner and they do not play with the unit.**
- Do not clean the interior of air conditioner on your own.**
 - You may damage the parts which can cause electric shock or fire.

- Consult contact center for cleaning the interior of the air conditioner.



Do not connect the air conditioner with heating apparatus or attempt to disassemble, remodel or repair it yourself.

- Potential risk of malfunction, electric shock or fire. If repairs are needed, consult the contact center.



Consult the place of purchase or contact center to install, reinstall or disassemble the air conditioner.

- Improper installation carries a risk of unit malfunction, water leakage, electric shock or fire.
- If installing in specialty areas, such as a factory complex or saline coastal area, consult the place of purchase or contact center for specific installation details.
- The units must be installed according to distances declared, in order to permit accessibility from each side, either to guarantee correct operation of maintenance or repairing products. The unit's parts must be reachable and removable completely under safety condition (for people or things).

Consult a dealer regarding the appropriate measures to prevent the allowable concentration from being exceeded.

- If the refrigerant leaks, and cause the concentration limit to be exceeded, hazards due to lack of oxygen in the room may result.

If the indoor unit gets wet, turn the power off immediately and call your nearest contact center.

- Potential risk of fire or electric shock.

Always make sure that the power supply is compliant with current safety standards. Always install the air conditioner in compliance with current local safety standards.

Verify that the voltage and frequency of the power supply comply with the specifications and that the installed power is sufficient to ensure the operation of any other domestic appliance connected to the same electric lines.

Use a rated circuit breaker only.

- Never use steel wires or copper wires as a circuit breaker. It may cause fire or unit malfunctions.

Do not put undue stress or place heavy object on the power cable.

Do not bend the power cable excessively.

- Potential risk of fire or electric shock.

To protect the product from water and possible shock, you should keep the power cable and the connection cord of the indoor and outdoor units in the protection tube.

When opening or closing the front panel, use a stable stool and watch your steps carefully.





Disconnect the air conditioner from power supply before it is repaired or disassembled.

Clean the air conditioner after the inner fan stops operating.


- Potential risk of injury or electric shock.

safety information

SEVERE WARNING SIGNS (CONT'D)

-  **Use a receptacle that has a ground terminal. The receptacle must be used exclusively for the air conditioner.**
 - Improper electrical grounding may cause electric shock or fire.**Be sure to ground the unit. Do not connect the ground wire to gas or water pipes, lighting rods, or telephone grounding lines.**
 - If the unit is not properly grounded, electric shock may result.
-  **If the appliance generates a strange noise, a burning smell or smoke, cut-off the power supply immediately and contact the nearest service center.**
 - Potential risk of fire or electric shock.

CAUTION SIGNS

-  **Do not block or place items in front of the air conditioner. Do not step, hang onto, or place heavy items on the air conditioner.**
 - Potential risk of personal injury.**If failure or damage occurs on the conditions of improper use not followed by the installation manual, there will be an extra labor charge for installing and construction.**
 - Potential risk of malfunction, electric shock or fire if repairs or installations are attempted by a non-qualified service technician.**Do not spray flammable gases such as insecticide near the air conditioner.**
 - Potential risk of electric shock, fire or unit malfunction.**Do not open the front grille during operation.**
 - Potential risk of electric shock or unit malfunction.**Cool air should not flow directly towards people, pets, and plants.**
 - It is harmful to your health, pets, and plants.**Do not drink drain water coming out of the air conditioner.**
 - Potential risk of health hazard.**Do not allow children to climb on the air conditioner.****Do not use the air conditioner as a cooling precision instrument for food, pets, plants, cosmetics or machinery.****Do not pull or give excessive shock to the air conditioner.**
 - Potential risk of fire, or unit malfunction and there are risk of personal injury because unit may fall down.**Do not spray water directly on the air conditioner or use benzene, thinner or alcohol to clean the surface of the unit.**
 - Potential risk of electric shock or fire.
 - Potential risk of damage to the air conditioner.**Do not place any objects, especially containers with liquid.**



Do not touch the pipe connected to the air conditioner.



Install the indoor unit away from lighting apparatus using the ballast.

- If you use the wireless remote control, reception error may occur due to the ballast of the lighting apparatus.

Install the outdoor unit where operating noise and vibration will not disturb your neighbor and in a well-ventilated area with no obstacle.

- Potential risk of malfunction.
- Operating noise may disturb your neighbor.

Make sure that there are no obstacles or covers that block the air conditioner.

Allow sufficient space for air circulation.

- Insufficient ventilation may result in poor performance.

If the power cable is damaged, the manufacturer or a qualified service technician must replace it.

If a power outage occurs while the air conditioner is working, turn off the power source immediately.

Max current is measured according to IEC standard for safety and current is measured according to ISO standard for energy efficiency.

Check for damage on delivery. If damaged, do not install the air conditioner and call the place of purchase immediately.

Keep indoor temperatures stable and not extremely cold, especially where there are children, elderly or disabled people.

The packaging material and used batteries of the remote controller (optional) must be disposed of in accordance with the national standards.

The refrigerant used in the air conditioner must be treated as chemical waste. Dispose the refrigerant following national standards.

Have a qualified service technician install the air conditioner and perform a trial operation.

Firmly connect the drain hose to the air conditioner for proper water drainage.

Check for damages on the outdoor unit installation pad at least once a year.

- Potential risk of personal injury or property loss.

When using a wireless remote control, the distance should not be more than 7 meters from the air conditioner.

If the remote control is not used for a long period of time, remove the batteries to prevent leakage of electrolyte.

When cleaning the outdoor unit, touch the heat exchanger radiator fins with extreme care.

- Wearing thick gloves can protect your hands.

Make sure that the condensed water dripping from the drain hose runs out properly and safely.

safety information

The 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: Young children should be supervised to ensure that they do not play with the appliance.

For use in Europe : This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.



CAUTION SIGNS (CONT'D)



Inspect the condition, electric connections, pipes and external case of the air conditioner regularly by a qualified service technician.

Do not open doors and windows in the room being cooled during operation unless necessary.

Do not block the air conditioner vents. If objects block the air flow, it may cause unit malfunction or poor performance.

Make sure there are no obstacles under the indoor unit.

- Potential risk of fire or loss of property.

The air conditioner should be used only for the applications for which it has been designed: the indoor unit is not suitable to be installed in areas used for laundry.

Our units must be installed in compliance with the spaces indicated in the installation manual to ensure either accessibility from both sides or ability to perform routine maintenance and repairs. The units' components must be accessible and that can be disassembled in conditions of complete safety either for people or things.

For this reason, where it is not observed as indicated into the Installation Manual, the cost necessary to reach and repair the unit (in safety, as required by current regulations in force) with slings, trucks, scaffolding or any other means of elevation won't be considered in-warranty and charged to end user.



Ensure the off-on and protection switches are properly installed.

Do not use the air conditioner if damaged. If problems occur, immediately stop operation and cut-off the power supply.

When not using the air conditioner for a long period of time or during a thunder/lightning storm, cut the power at the circuit breaker.



Call the place of purchase or a contact center if repairs are needed.

- Potential risk of fire or electric shock if disassembly or repairs are attempted by a non-qualified service technician.

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This product has been determined to be in compliance with the Low Voltage Directive (2006/95/EC) and the Electromagnetic Compatibility Directive (2004/108/EC) of the European Union.



Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

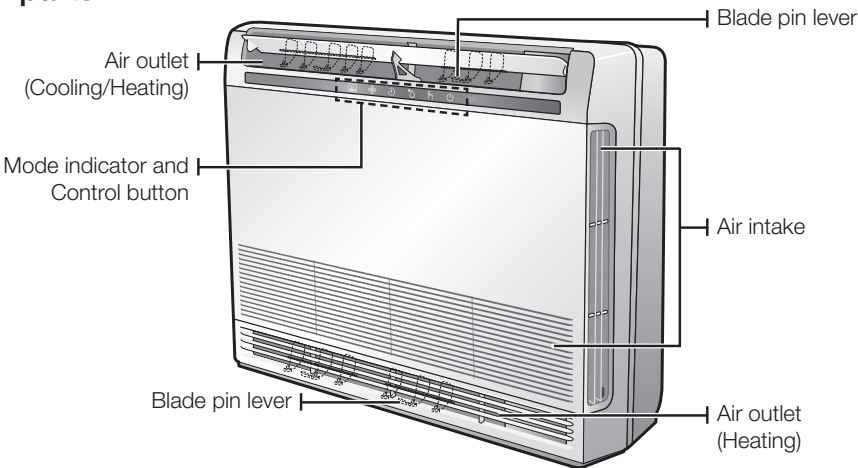
viewing your air conditioner before use

Congratulations on the purchase of the air conditioner. We hope you will enjoy the features of your air conditioner and stay cool or warm with optimal efficiency.
Please read the user manual to get started and to make the best use of the air conditioner.

CHECKING THE INDOOR UNIT

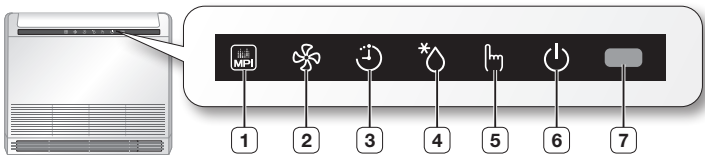
Carefully unpack your air conditioner, and check the unit to make sure it is not damaged.








Main parts



Your air conditioner may slightly look different from illustration shown above depending on your model.

Mode indicator and Control button



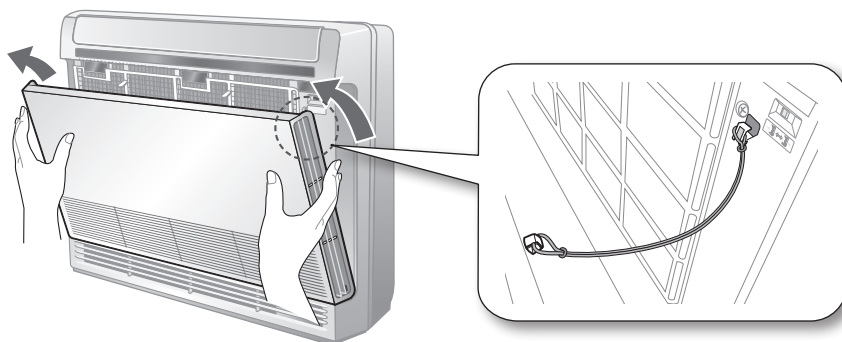
1	m<i>pi</i> INDICATOR		m<i>pi</i> icon will light up when m<i>pi</i> is operating.
2	FAN MODE INDICATOR		This icon will light up when the unit is operating in Fan mode.
3	TIMER INDICATOR		Timer icon will light up when On/Off Timer function is set.
4	DEICE INDICATOR		This icon will light up when the unit starts to de-ice.
5	POWER BUTTON		Turn On/Off the air conditioner. The air conditioner will operate in Auto mode.
6	POWER INDICATOR		Power icon will light up when the unit is in operation.
7	REMOTE CONTROL SENSOR		Aim the remote control toward this spot on the air conditioner.



Each time you press the button, a short beep will sound and the unit is properly operating.

REMOVING THE FRONT PANEL

Grab the top portion of the front panel and pull the front cover towards yourself. Unhook the safety string and lift up the front panel.



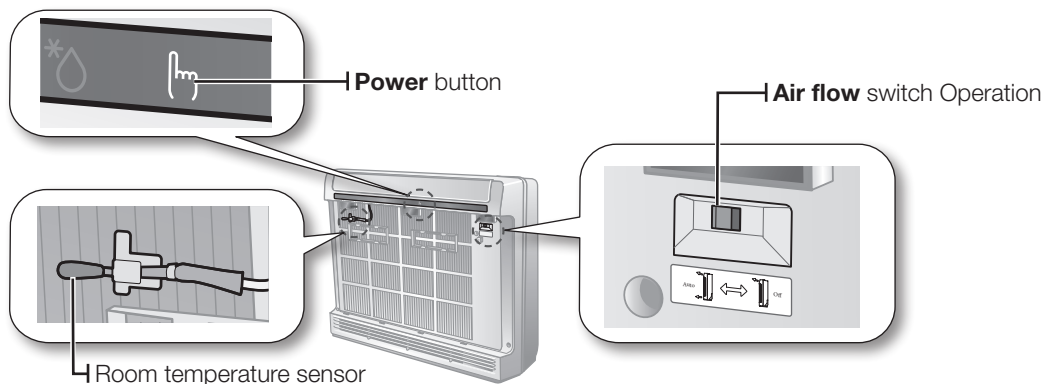
Viewing the power button and parts under the panel

You may locate the **Power** button among with the mode indicators. When the front panel is open, you may locate the temperature sensor and the **Air flow** switch. Temperature sensor is located on the top left side of the air conditioner just above the anti-allergy/deodorizing filter slot and the **Air flow** switch is located on the top right corner of the air conditioner.

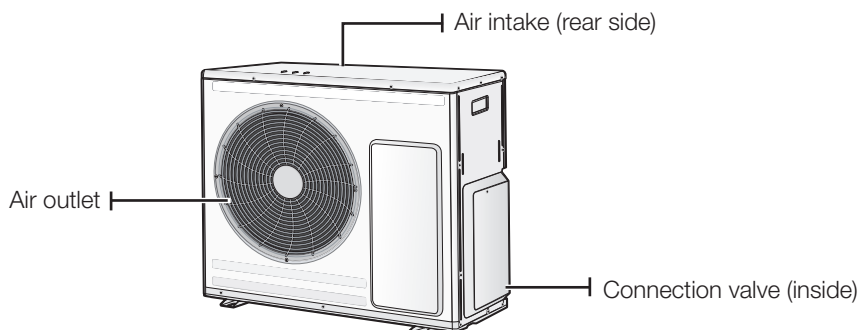
You can turn on the air conditioner in Auto mode by pressing the **Power** button.

When you set the **Air flow** switch on Auto, it will open the bottom air outlet in Cool, Heat and Fan modes. However, in Silence mode, the bottom air outlet will be closed. Also, in Cool mode, the bottom air outlet will be closed within an hour. When you set the **Air flow** switch on Off, the bottom air outlet will be closed.

The room temperature sensor measures indoor room temperature.



CHECKING THE OUTDOOR UNIT

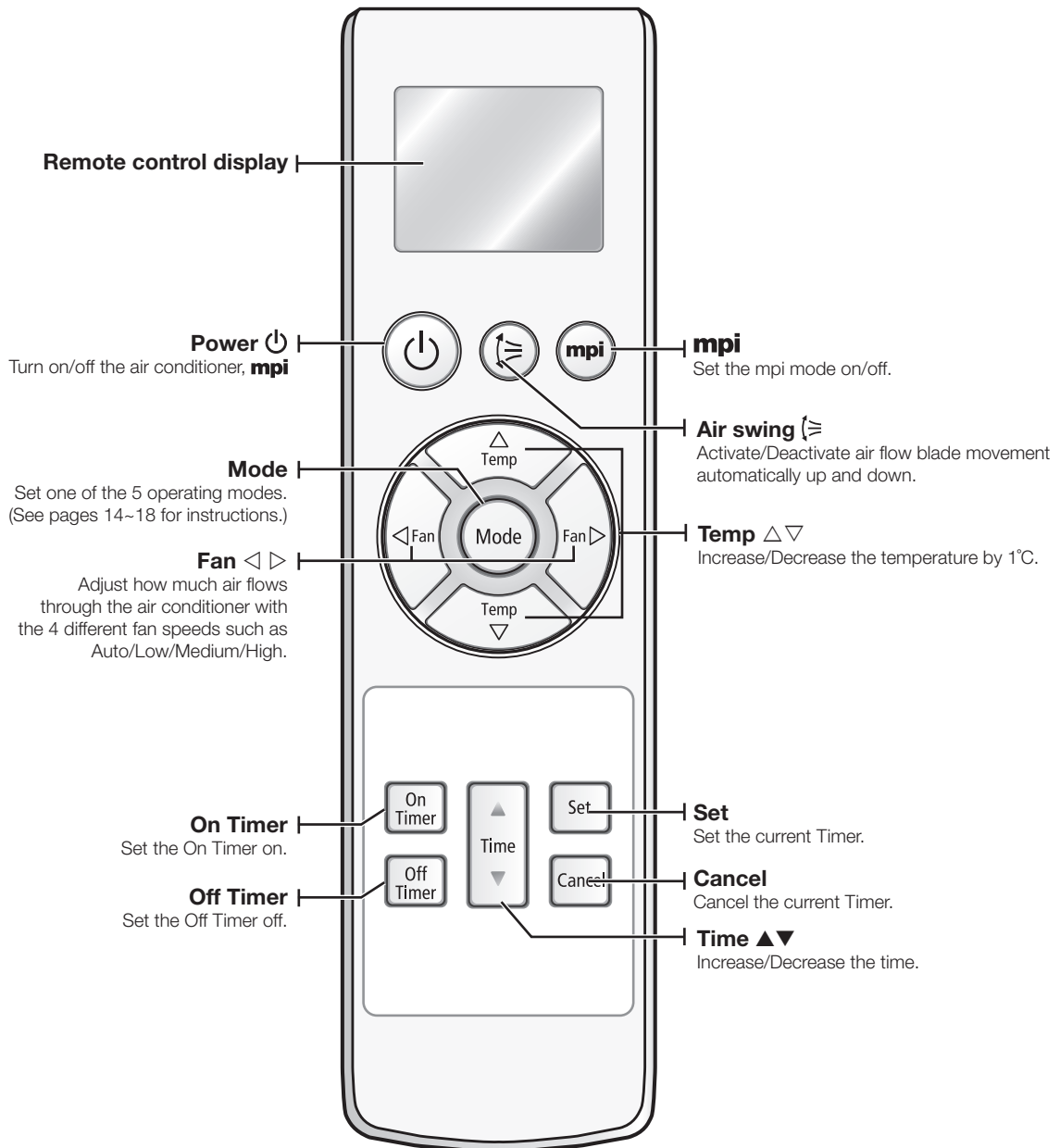


The designs and shape are subject to change according to the model.

viewing your air conditioner before use

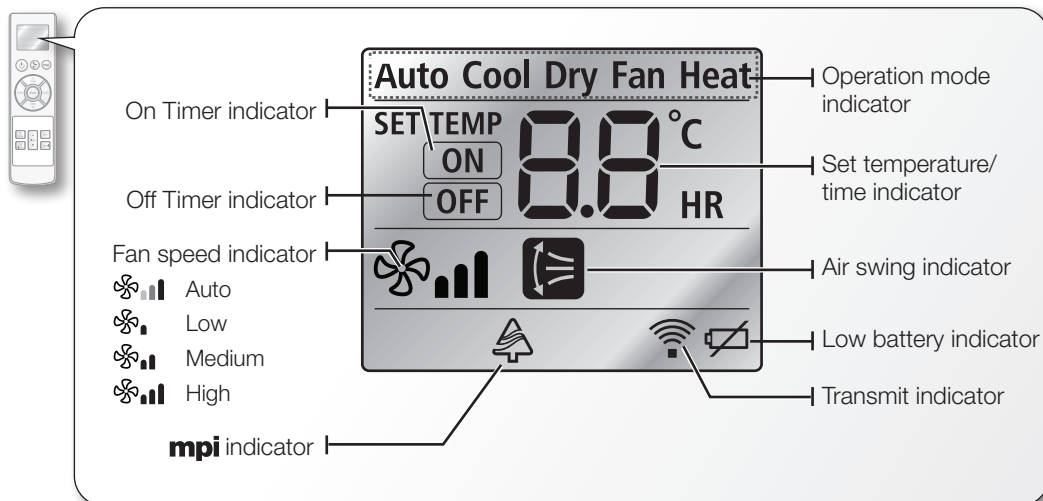
CHECKING THE REMOTE CONTROL

You can activate the air conditioner by pointing the remote control away from it. When using the remote control, always point it directly at the air conditioner.



Each time you press the button, a short beep will sound and a transmit indicator appears on the remote control display.

Remote control display



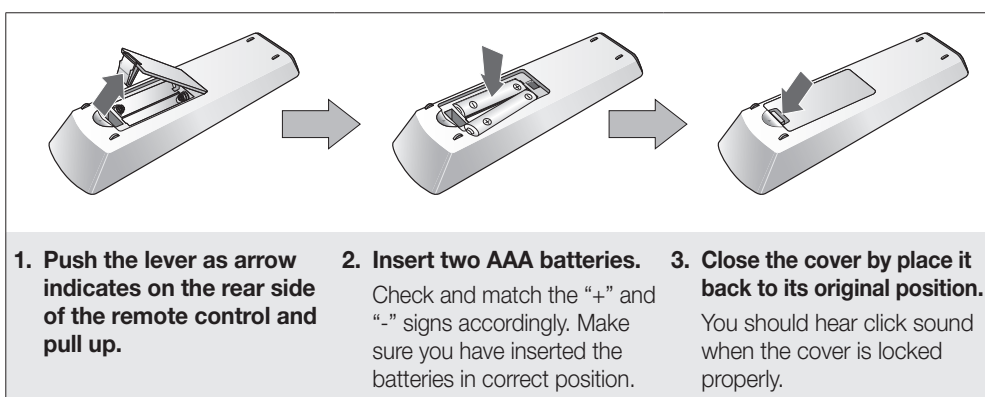
Using the remote control

- Point the remote control towards the remote control sensor of the unit.
- When properly pressing the button on the remote control, you will hear beep sound from the unit.



- The signal may not be received well of electronic lighting style fluorescent lamps, such as inverter fluorescent lamps are in the same space.
- If other electrical products operate by the remote control, call your nearest contact center.

Installing the batteries



Correct disposal of batteries in this product

(Applicable in countries with separate collection systems)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

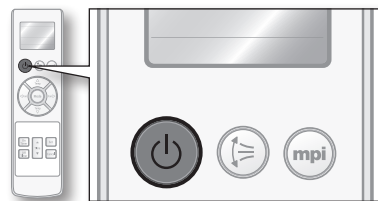
operating basic function

TURNING THE AIR CONDITIONER ON AND OFF


Press the **Power**  button on the remote control.

You will hear a ringing sound and the air flow blade will move up and down automatically when air conditioner is properly on. The air conditioner will operate in the most recent operation mode used or Auto mode.

When you turn off the air conditioner, air flow blade will stop moving and remain closed.



Turning on/off your air conditioner without the remote control.

You can operate your air conditioner by pressing the **Power**  button on the right bottom side of the air conditioner.

SELECTING OPERATION MODE

Auto

In Auto mode, the air conditioner will automatically set the temperature and fan speed depending on the room temperature detected by the room temperature sensor.


1. Turn on the air conditioner.

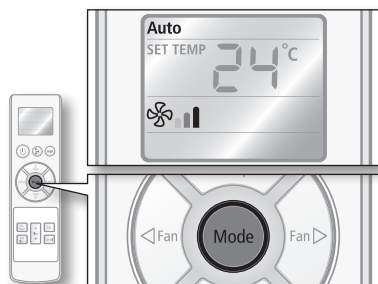
Press the **Power**  button on the remote control.

2. Set the operation mode.



Press the **Mode** button on the remote control until operation mode indicator displays Auto.

The air conditioner will automatically set the fan speed, and operation mode to Cool or Heat depends on the room temperature.

-  When you press the **Mode** button, mode will change in order of Auto, Cool, Dry, Fan and Heat.

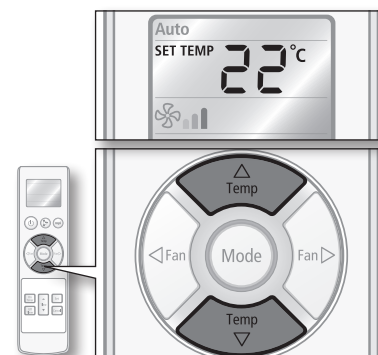



3. Set the Temperature.

Press the **Temp**  or  button on the remote control to decrease or increase the desired temperature.

You can set the desired temperature between the range of 16°C~30°C.

-  You can decrease/increase the temperature by 1°C.



-  • When the air conditioner is already operating in another mode, press the **Mode** button until Auto mode indicator appears on the remote control display.
- When you are using the remote control, make sure correct indicator which matches your selection appears on the remote control display.
 - Air flow can be adjusted manually. (See page 19 for instructions.)

Cool

In Cool mode, the air conditioner will cool your room. You can adjust the temperature and the fan speed to feel cooler in hot season.


1. Turn on the air conditioner.

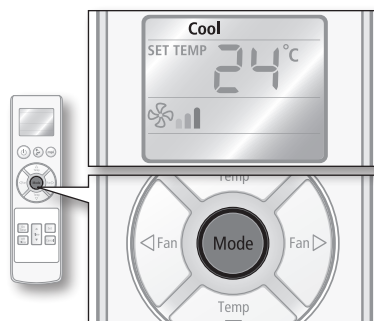
Press the **Power**  button on the remote control.

2. Set the operating mode.



Press the **Mode** button on the remote control until Cool mode indicator appears on the remote control display.

The air conditioner operates in Cool mode and will lower the temperature in your room.

-  When you press the **Mode** button, mode will change in order of Auto, Cool, Dry, Fan and Heat.

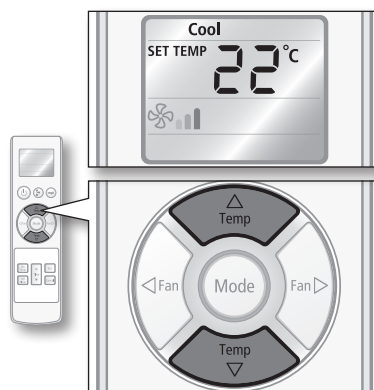


3. Set the temperature.



Press the **Temp**  or  button on the remote control to decrease or increase the desired temperature.

You can set the desired temperature between the range of 16°C~30°C.

-  You can decrease/increase the temperature by 1°C.

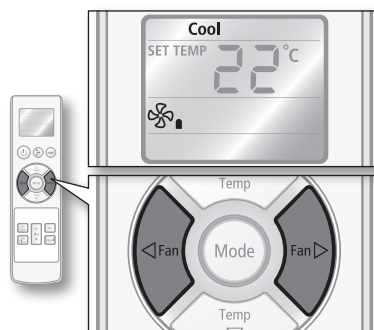



4. Set the fan speed.

Press the **Fan**  or  button on the remote control to set the desired fan speed.

If room temperature reaches desired value, the air conditioner will shut off cooling for a while and just the fan runs.

-  When you press the **Fan**  or  button, fan speed will change in order of Auto, Low, Medium and High.



-  • When you are using the remote control, make sure correct indicator which matches your selection appears on the remote control display.
- Air flow can be adjusted manually. (See page 19 for instructions.)
 - If current outside temperatures are much higher than the selected indoor temperature, it may take time to bring the inner temperature to the desired coolness.

operating basic function

SELECTING OPERATION MODE

Dry

The air conditioner in Dry mode acts like a dehumidifier by removing moisture from the indoor air. Dry mode makes the air feel refreshing in a humid climate.

1. Turn on the air conditioner.

Press the **Power**  button on the remote control.

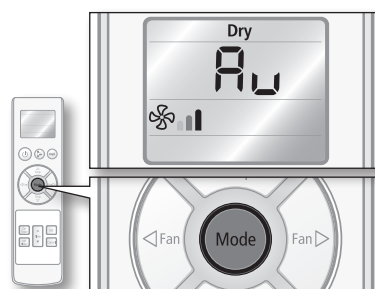
2. Set the operating mode.

Press the **Mode** button on the remote control until Dry mode and Auto fan speed indicator appear on the remote control display.

In Dry mode temperature will be set automatically and **Au** will appear on the remote control display.



When you press the **Mode** button, mode will change in order of Auto, Cool, Dry, Fan and Heat.



- When you are using the remote control, make sure correct indicator which matches your selection appears on the remote control display.
- Temperature/Fan speed cannot be adjusted while using this mode.
- Air flow can be adjusted manually. (See page 19 for instructions.)

Fan

Fan mode can be selected to ventilate your room. Fan mode will be helpful to refresh the stale air in your room.

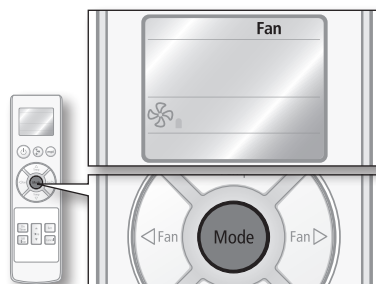
1. Turn on the air conditioner.


Press the **Power**  button on the remote control.

2. Set the operating mode.

Press the **Mode** button on the remote control until Fan mode indicator appears on the remote control display.

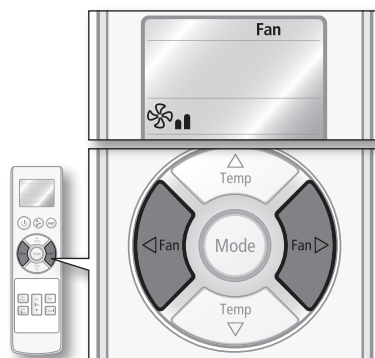
The air conditioner operates in Fan mode.




-  When you press the **Mode** button, mode will change in order of Auto, Cool, Dry, Fan and Heat.

3. Set the fan speed.

Press the **Fan Speed** button on the remote control to set the desired fan speed.



-  When you press the **Fan**  or  button, fan speed will change in order of Low, Medium and High.

-  • When you are using the remote control, make sure correct indicator which matches your selection appears on the remote control display.
- Air flow can be adjusted manually. (See page 19 for instructions.)

operating basic function

SELECTING OPERATION MODE

Heat

The air conditioner heats as well as cools. Warm your room with this versatile appliance in the cold of winter.

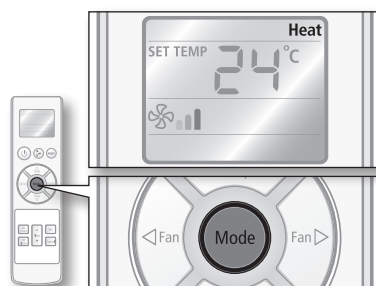
1. Turn on the air conditioner.

Press the **Power**  button on the remote control.

2. Set the operating mode.



Press the **Mode** button on the remote control until Heat mode indicator appears on the remote control display.

The air conditioner operates in Heat mode and warms your room.



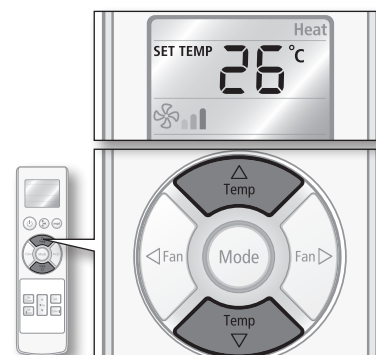
-  When you press the **Mode** button, mode will change in order of Auto, Cool, Dry, Fan and Heat.

3. Set the temperature.



Press the **Temp**  or  button on the remote control to decrease or increase the desired temperature.

You can set the desired temperature between the range of 16°C~30°C.




-  You can decrease/increase the temperature by 1°C.

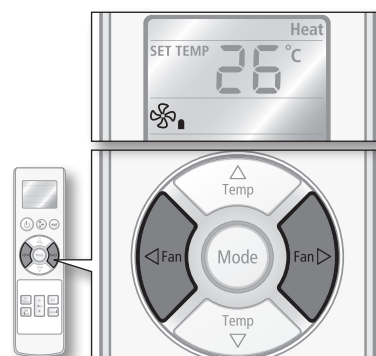



4. Set the fan speed.

Press the **Fan**  or  button on the remote control to set the desired fan speed.

If room temperature reaches desired value, heating will stop for a while.

-  • When you press the **Fan**  or  button, fan speed will change in order of Auto, Low, Medium and High.
- Fan may not operate for about 3~5 minutes at the beginning to prevent any cold blasts while the air conditioner is warming up.



-  • Air flow can be adjusted manually. (See page 19 for instructions.)
- Since the air conditioner heats the room by taking heat energy from outdoor air, the heating capacity may decrease when outdoor temperatures are extremely low. If you feel the air conditioner insufficiently heats, using an additional heating appliance in combination with the air conditioner is recommended.

ADJUSTING THE AIR FLOW DIRECTION

Air flow can be directed to your desired position.

Vertical air flow

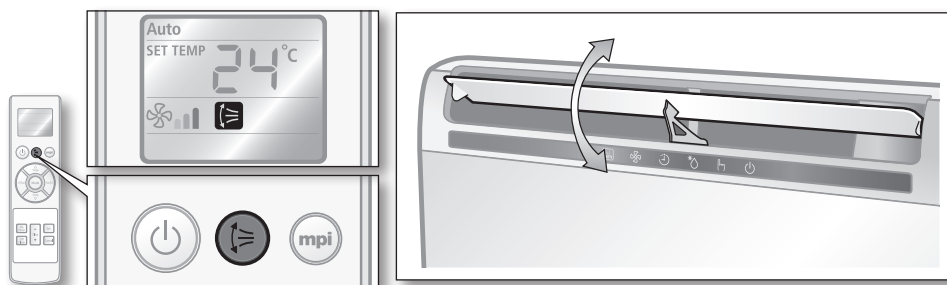
Air flow blades move up and down.

1. Press the **Air swing** (≡) button on the remote control.

Air swing indicator will be on and the number of indicator lights move up and down.

Air flow blades move up and down continuously to circulate the air.

To keep the air flow direction in a constant position, press the **Air swing** (≡) button on the remote control again.

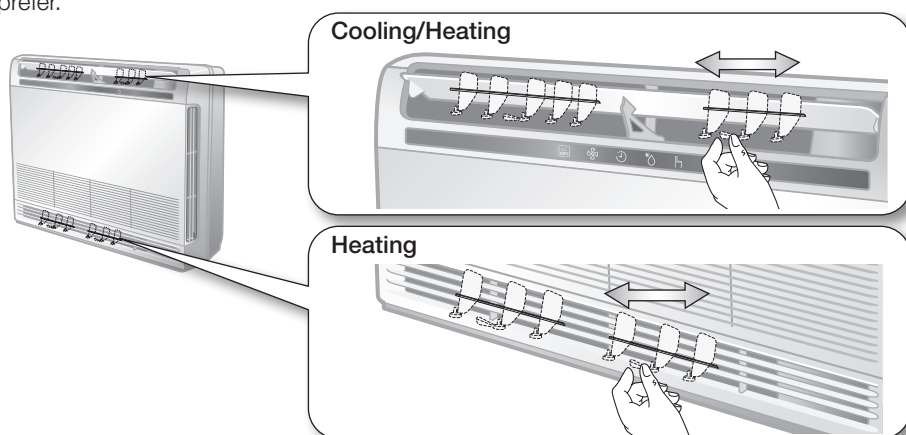


 Vertical air flow direction is adjustable when the air conditioner is cooling the room.


Horizontal air flow

Make sure one of the blade pins that stick out of the air flow blades is not broken.

1. Move the blade pins left or right to keep the air flow direction in a constant position you prefer.



 To avoid any injuries, please move the blade pin after stopping Air Swing mode.

 **CAUTION** While the air conditioner cools the room, operate the appliance with the air flow blades pointing upwards. If the unit operates in Cool mode for an extended period of time with the air flow blades pointing downward, moisture may generate from the temperature difference and thus carries the risk of electric shock or unit malfunction.

using advanced functions

SETTING THE TIMER

This advanced Timer function allows you to turn on/off your air conditioner automatically even when you are away. Simply set the time and your air conditioner will turn on/off automatically.

On timer

This function allows you to turn on the air conditioner automatically within the time range of 24 hours. On timer is available while your air conditioner is on/off.

1. Press the **On Timer** button on the remote control.

On timer indicator blinks on the remote control display.



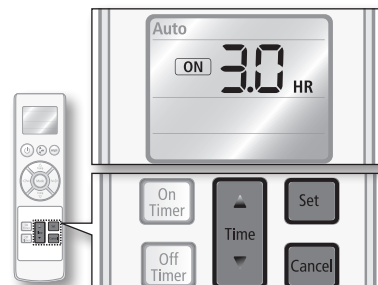
2. Set the time you want the air conditioner to turn on automatically.

Press the **Time** ▲ or ▼ button on the remote control to change the time setting while On timer indicator is blinking. You can set the time up to 24 hours, increasing in 30 minute unit up to first 3 hours and in hourly unit after first 3 hours.

3. Press the **Set/Cancel** button on the remote control to active it on.

The remote control display will show the hour(s) you have set.


The air conditioner will operate automatically at set time and then On timer indicator disappears. If On timer is not set within 10 seconds, the air conditioner will end setting.

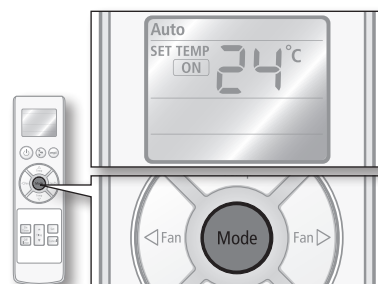



4. Set the operating mode.

Press the **Mode** button on the remote control until the desired mode appears on the remote control display.

The air conditioner will operate in the mode you set.

-  On timer function is available in Auto/Cool/Dry/Fan/Heat mode.



-  • Temperature can also be adjusted. (See step 3 on page 15 for instructions.)
- After the set up while the unit is off, approximately after 10 seconds, all the other indicators will be gone except the On timer indicator and remaining time.
- Setting time allows you to change by pressing the **On Timer** button. Press the **Time** ▲ or ▼ button to change time setting and then press the **Set/Cancel** button to active it on.

To deactivate the On timer

1. Press the **Set/Cancel** button on the remote control.

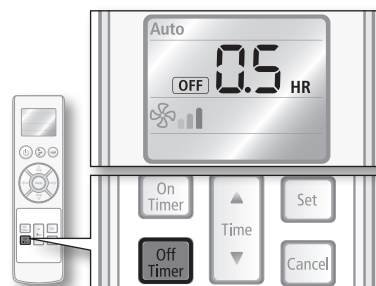
On timer you set will be canceled and On timer indicator will disappear.

Off timer

This function allows you to turn off the air conditioner automatically within the time range of 24 hours. Off timer is functional when the unit is operating.

1. Press the **Off Timer** button on the remote control.

Off timer indicator blinks on the remote control display.



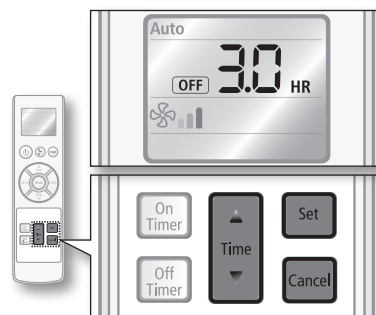
2. Set the time you want the air conditioner to turn off automatically.

Press the **Time ▲** or **▼** button on the remote control to change the time setting while Off timer indicator is blinking. You can set the time up to 24 hours, increasing in 30 minute unit up to first 3 hours and in hourly unit after first 3 hours.

3. Press the **Set/Cancel** button on the remote control to active it on.

The remote control display will show the hour(s) you have set.

The air conditioner will operate automatically at set time and then Off timer indicator disappears. If Off timer is not set within 10 seconds, the air conditioner will end setting.



- Setting time allows you to change by pressing the **Off Timer** button. Press the **Time ▲** or **▼** button to change time setting and then press the **Set/Cancel** button to active it on.
- You can combine Off timer function with On timer function to turn on and then off the air conditioner at the desired time. (See page 22 for instructions.)

To deactivate the Off timer

1. Press the **Set/Cancel** button on the remote control.

Off timer you set will be canceled and Off timer indicator will disappear.

- Off timer function is available in Auto/Cool/Dry/Fan/Heat mode.

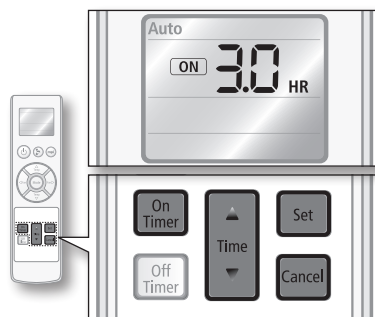
using advanced functions

SETTING THE TIMER

Combining On timer and Off timer

You can combine the On timer and Off timer together for more convenient use of the timer function.

1. Set the On timer.
Press the **On Timer** button.
Set the time with **Time ▲** or **▼** button.
Press **Set/Cancel** button to activate the On timer.



 See page 20 for more detail instructions on setting On timer.

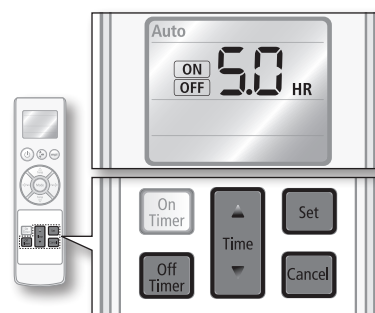
2. Set the Off timer.
Press the **Off Timer** button.
Set the time with **Time ▲** or **▼** button.
Press **Set/Cancel** button to activate the Off timer.

When you set the time, there can be two possible options:

On timer is shorter than Off timer

The air conditioner will turn on and then off automatically. Set up should be done while the air conditioner is off.

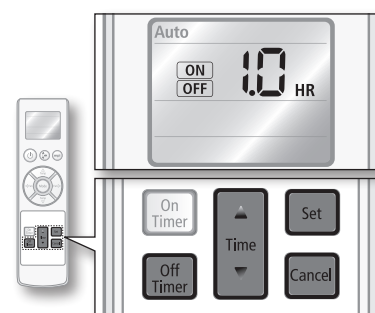
For example, If the On timer is set at 3 hours and the Off timer at 5 hours, the air conditioner will turn off automatically 3 hours after the set time and then operate for next 2 hours before turning off automatically.



On timer is longer than Off timer

The air conditioner will turn off and then on automatically. Set up should be done while the air conditioner is operating.

For example, If the On timer is set at 3 hours and the Off timer at 1 hour, the air conditioner will turn off automatically an hour after the set time and remain off for 2 hours before turning on automatically.



 See page 21 for more detail instructions on setting Off timer.

To deactivate the timer combination

1. Press the **Set/Cancel** button on the remote control.
Both of the On and Off timer will be canceled and the indicators will disappear.

USING THE **mpi** FUNCTION

mpi, Micro Plasma Ion, generates hydrogen(H) and oxygen(O₂) to remove a polluted substance and decomposition of such harmful particles. It makes you breathe better as if you were staying around waterfalls, ocean surf, rivers and mountains.

1. Press the **mpi** button on the remote control.

mpi indicator will appear on the remote control display and the air conditioner generates MPI.

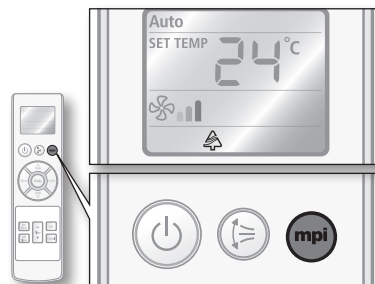


- The **mpi** mode can be selected whether the air conditioner is on/off.
- The **mpi** mode will be on automatically when you turn on the air conditioner.

To deactivate **mpi** mode

1. Press the **mpi** button on the remote control.

mpi mode you set will be canceled and blue light will turn off.



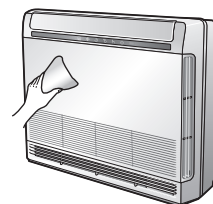
cleaning and maintaining the air conditioner

CLEANING THE EXTERIOR

1. Wipe the surface of the unit with a slightly wet or dry cloth when needed.



Do not use Benzene, Thinner or Clorox™. They may damage the surface of the air cleaner and can create a risk of fire.



CLEANING THE FILTER

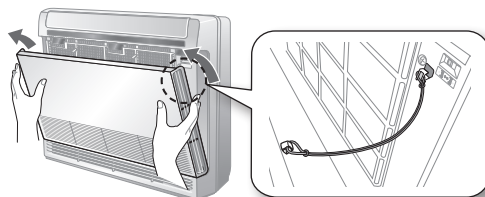
When cleaning the filter, make sure to turn off the power of the indoor unit. No special tools are needed to clean it.

Air filter

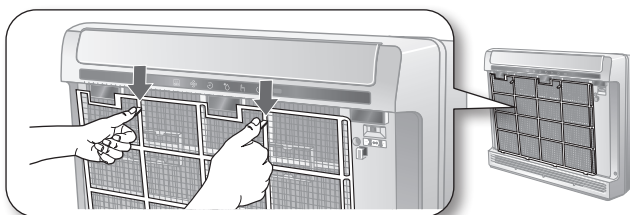
Washable air filter captures large particles from the air. The filter is cleaned with a vacuum or by hand washing. Filter clean indicator will light up when air filter need to be cleaned.

1. Open the front panel.

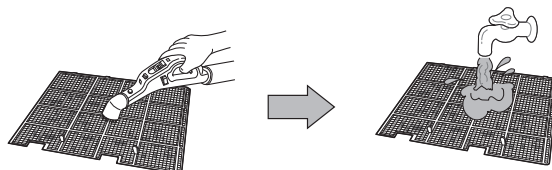
Grab the top portion of the front panel and pull the front cover towards yourself. Unhook the safety string and lift up the front panel.



2. Grab the handle and slightly press the air filter down to bent the air filter. Then, pull the Air filter towards you and lift it up to remove the Air filter.



3. Clean the Air filter with a vacuum cleaner or soft brush. If dust is too heavy, then rinse it with running water and dry it in a ventilated area.



- For the best conditions, repeat every two weeks.
- If the Air filter dries in a confined (or humid) area, odors may generate. If it occurs, re-clean and dry it in a well-ventilated area.

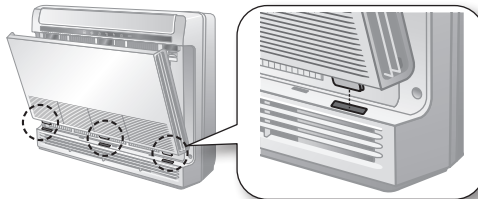
4. Insert the Air filter back in its original position.
5. Close the front panel.
Grab the side of the front panel and place the bottom first, then push the panel.
6. Press the **Filter Reset** button on the remote control.

Anti-allergy filter

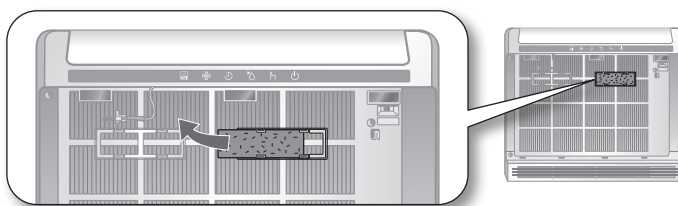
Washable Anti-allergy filter leads to reduction in allergens that thrive in polluted air. The filter is cleaned with a vacuum or by hand washing.

1. Open the front panel.

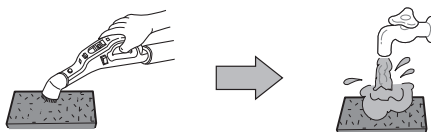
Grab the top portion of the front panel and pull the front cover towards yourself. Unhook the safety string and lift up the front panel.



2. Grab the handle and slightly press the air filter down to bent the air filter. Then, pull the Air filter towards you and lift it up to remove the Air filter.
3. Pull and slide out the Anti-allergy filter.



4. Clean the Anti-allergy filter with a vacuum cleaner or soft brush. Then rinse it with running water and dry it in a ventilated area.



5. Install the Anti-allergy filter back in position.

6. Close the front panel.

Grab the side of the front panel and place the bottom first, then push the panel.



Clean the Anti-allergy filter every 3 months. The cleaning term may differ on usage and environmental conditions.

cleaning and maintaining the air conditioner

REPLACING THE FILTER

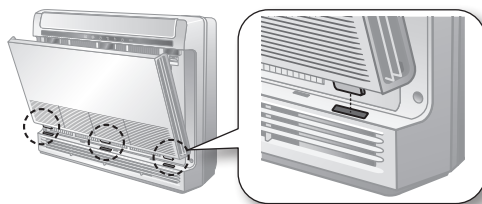
Replacement filter may be purchased from the retail store or ordered from the dealer where you purchased the unit. If you cannot find one, please call a contact center.

Deodorizing filter

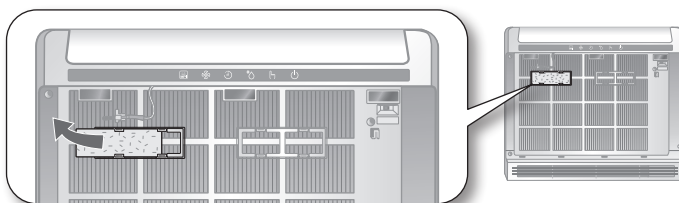
Deodorizing filter absorbs efficiently cigarette smoke, pet odors and other unpleasant smells. Deodorizing filter cleaning is simple, just remove old filter and install a new one.

1. Open the front panel.

Grab the top portion of the front panel and pull the front cover towards yourself. Unhook the safety string and lift up the front panel.



2. Grab the handle and slightly press the air filter down to bend the air filter. Then, pull the Air filter towards you and lift it up to remove the Air filter.
3. Pull and slide out the Deodorizing filter.



4. Install the new Deodorizing filter back in position.
5. Close the front panel.

Grab the side of the front panel and place the bottom first, then push the panel.



- The replacement timing of the Deodorizing filter differs depending on usage and environmental conditions.
- Even if Deodorizing and Anti-allergy filters are installed in an inverted position it will not significantly affect its filtration system.

MAINTAINING YOUR AIR CONDITIONER

If the air conditioner will not be used for an extended period of time, dry it thoroughly and disconnect from the wall. There may be internal damage if moisture is left in its components.

1. Before storing the appliance, operate the air conditioner in Fan mode for three to four hours to dry the air conditioner completely.
2. Upon removing from storage, dry the inner components of the air conditioner again by running in Fan mode for three to four hours. This helps remove odors which may have generated from dampness.

TROUBLESHOOTING

Refer to the following chart if the air conditioner operates abnormally. This may save time and unnecessary expenses.

PROBLEM	SOLUTION
The air conditioner does not operate immediately after it has been restarted.	<ul style="list-style-type: none"> Because of the protective mechanism, the appliance does not start operating immediately to keep the unit from overloading. The air conditioner will start in 3 minutes.
The air conditioner does not work at all.	<ul style="list-style-type: none"> Check power status and then operate the air conditioner again. Check if the circuit breaker is switched off. Check if there is a power failure. Check your fuse. Make sure it is not blown out.
The temperature does not change.	<ul style="list-style-type: none"> Check if you selected Fan mode. Press the Mode button on the remote control to select another mode.
The cool(warm) air does not come out of the air conditioner.	<ul style="list-style-type: none"> Check if the set temperature is higher (lower) than the current temperature. Press the Temperature button on the remote control to change the set temperature. Press the Temperature ▼ or ▲ button to increase or decrease the temperature. Check if the air filter is blocked by dirt. Clean the Air filter every two weeks. Check if the air conditioner has just been turned on. If so, wait 3 minutes.
The fan speed does not change.	<ul style="list-style-type: none"> Check if you selected Auto or Dry mode. The air conditioner automatically adjusts the fan speed to Auto in Auto/Dry mode.
Timer function does not set.	<ul style="list-style-type: none"> Check if you press the Set/Cancel button on the remote control after you have set the time.
Odors permeate in the room during operation.	<ul style="list-style-type: none"> Check if the appliance is running in a smoky area or if there is a smell entering from outside. Operate the air conditioner in Fan mode or open the windows to air out the room.
The air conditioner makes a bubbling sound.	<ul style="list-style-type: none"> A bubbling sound may be heard when the refrigerant is circulating through the compressor. Let the air conditioner operate in a selected mode.

appendix

Water is dripping from the air flow blades.	<ul style="list-style-type: none"> • Check if the air conditioner has been cooling for an extended period of time with the air flow blades pointed downwards. Condensation may generate due to the difference in temperature.
Remote control is not working.	<ul style="list-style-type: none"> • Check if your batteries are depleted. • Make sure batteries are correctly installed. • Make sure nothing is blocking your remote control sensor. • Check that there are strong lighting apparatus near the air conditioner. Strong light which comes from fluorescent bulbs or neon signs may interrupt the electric waves.

OPERATION RANGES

The table below indicates the temperature and humidity ranges the air conditioner can be operated within. Refer to the table for efficient use.

MODE	OPERATING CONDITIONS	IF OUT OF CONDITIONS
COOLING	Indoor temp: 18°C~32°C	<ul style="list-style-type: none"> - A safety device will stop continuously the system functioning; - Condensation may occur on the indoor unit with risk to have either water blow off or drops on the floor;
	Indoor humidity: below 80%	
	Outdoor temp: -5°C~43°C	
HEATING	Indoor temp: below 27°C	<ul style="list-style-type: none"> - A safety device will stop continuously the system functioning;
	Outdoor temp: -15°C~24°C	
DEHUMIDIFYING	Indoor temp: 18°C~32°C	<ul style="list-style-type: none"> - A safety device will stop continuously the system functioning; - Condensation may occur on the indoor unit with risk to have either water blow off or drops on the floor;
	Indoor humidity: below 80%	
	Outdoor temp: -5°C~43°C	
POWER SUPPLY	Single phase rated voltage minimum and maximum limit	220-240V~, 50Hz 198V - 264V



- Any damage occurs out of condition specified cannot be covered by product warranty. If the system works continuously outside of conditions, its performance and reliability will be compromised.
- If the outdoor temperature is as low as 0°C, the heating capacity may drop depending on the operating condition.

QUESTIONS OR COMMENTS?

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AUSTRIA	0810 - SAMSUNG (7267864, € 0.07/min)	www.samsung.com	UKRAINE	0-800-502-000	www.samsung.com/ua (Ukrainian) www.samsung.com/ua_ru (Russian)
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This product is ROHS compliant



Air Conditioner

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