



USER'S MANUAL

SH18BW6 Series
SH24BW2 Series

ENGLISH

ESPAÑOL

FRANÇAIS

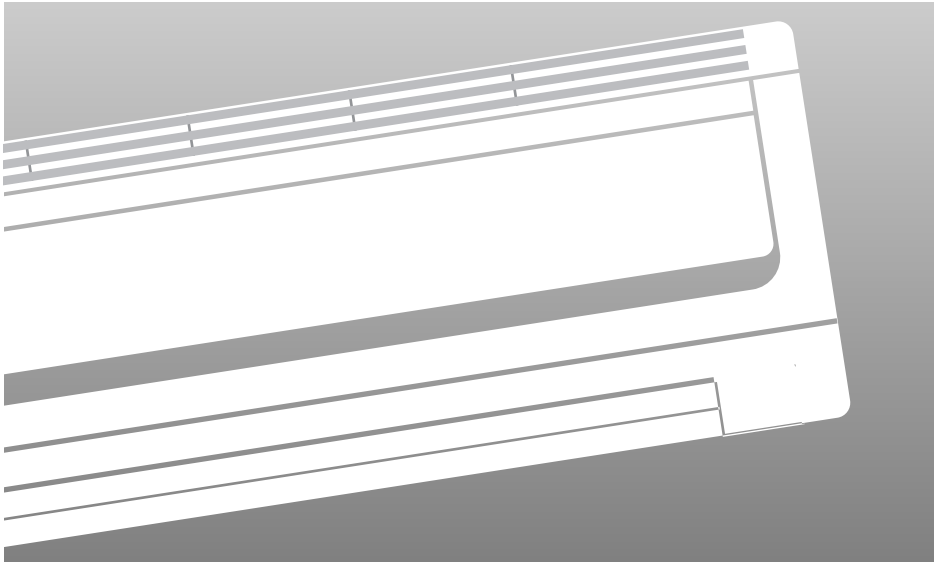
ITALIANO

PORTUGUÊS

DEUTSCH

ΕΛΛΗΝΙΚΑ

Split-type Air Conditioner (Cooling and Heating)



Safety Precautions

You should take the following safety precautions when using your air conditioner.



WARNING

- If you don't follow the safety precautions, you may get the risk of an electric shock, injury or death.
- The manufacturer or qualified service personnel must install this air conditioner.
- Unplug the electric power before repairing, installing or cleaning.

DURING OPERATION

- ◆ Do not repair the air conditioner at your discretion. It is recommended to contact a service center directly.
- ◆ Never spill any kind of liquid on the air conditioner. If this happens, unplug or turn off the air conditioner and contact an authorized service center.
- ◆ Do not insert anything between the airflow blades to prevent damage of the inner fan and consequent injury. Keep children away from the air conditioner.
- ◆ Do not place any obstacles in front of the air conditioner.
- ◆ Do not spray any kind of liquid into the indoor unit. If this happens, turn off the breaker and contact a service center.
- ◆ Make sure that the air conditioner is well ventilated at all times: Do not place a cloth or other materials over it.
- ◆ Remove the batteries if you don't use the remote control for a long time. (If applicable)
- ◆ Use the remote control within 7 meters from the indoor unit. (If applicable)

DISPOSING OF THE UNIT

- ◆ Before throwing out the air conditioner, remove the batteries from the remote control.
- ◆ When you dispose of the air conditioner, consult your dealer. If pipes are removed incorrectly, refrigerant may blow out and cause air pollution. When it contacts with your skin, it can cause skin injury.
- ◆ The package of the air conditioner should be recycled or disposed properly for environmental reasons.

OTHERS

- ◆ Never store or load the air conditioner upside down or sideways to prevent the damage of the compressor.
- ◆ Young children or infirm persons should be always supervised when they use the air conditioner.
- ◆ Max current is measured according to IEC standard for safety.
- ◆ Current is measured according to ISO standard for energy efficiency.

Contents

◆ PREPARATION	
■ Safety Precautions	2
■ Name of Each Part	4
■ Remote Control-Buttons and Display	6
■ Inserting the Remote Control Batteries	7
■ Getting Start	8
◆ OPERATION	
■ Selecting the Auto Mode	9
■ Selecting the Cool Mode	10
■ Selecting the Heat Mode	11
■ Selecting the Dry Mode	12
■ Selecting the Fan Mode	13
■ Selecting the Turbo Function	14
■ Selecting the Energy Saving Function	15
■ Adjusting the Airflow Direction Vertically	16
■ Adjusting the Airflow Direction Horizontally	17
■ Setting the On Timer	18
■ Setting the Off Timer	19
■ Setting the Sleep Timer	20
■ Setting the 1 Hour Timer	21
◆ RECOMMENDATIONS FOR USE	
■ Operating Recommendations	22
■ Temperature and Humidity Ranges	23
■ Operating Your Air Conditioner Without the Remote Control	23
■ Troubleshooting Guide	24
■ Cleaning Your Air Conditioner	25
■ Cleaning Deodorizing and Bio Filter (Option)	25



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

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it 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 this item for environmentally safe recycling.

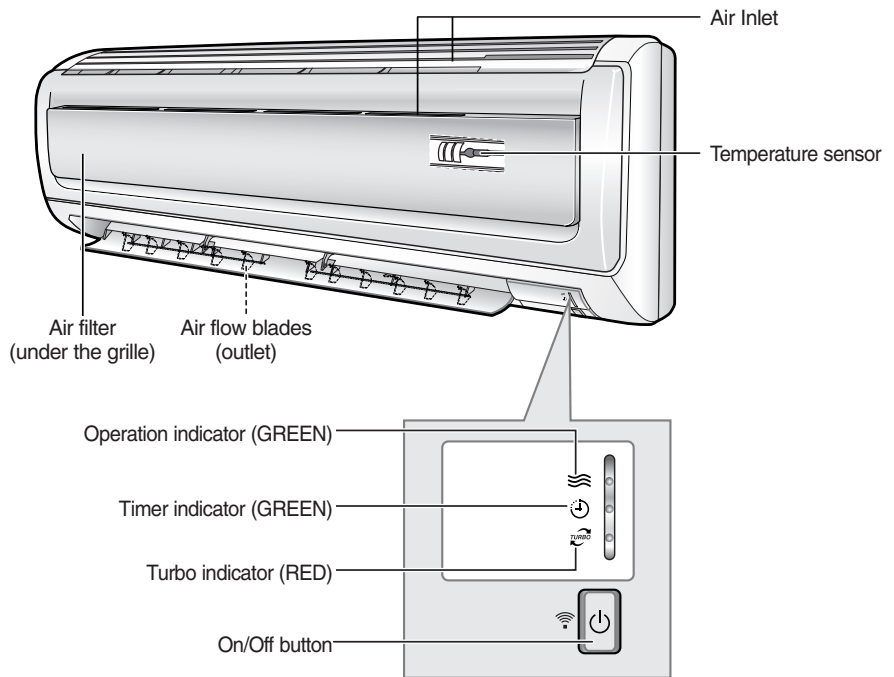
Business users should contact their supplier and check the terms and conditions of the purchase contract.

This product should not be mixed with other commercial wastes for disposal.

Name of Each Part

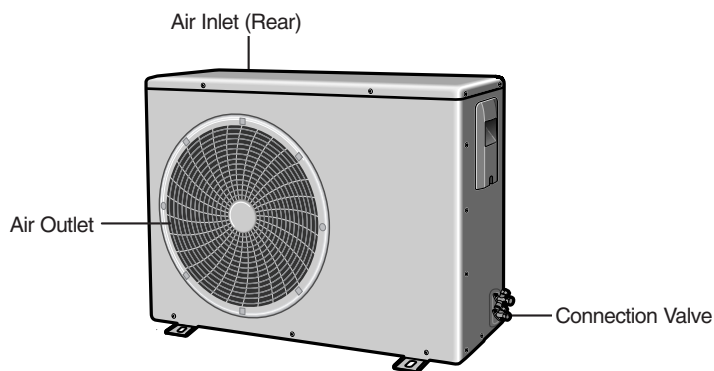
The design and shape can be changed according to the model.

Indoor Unit



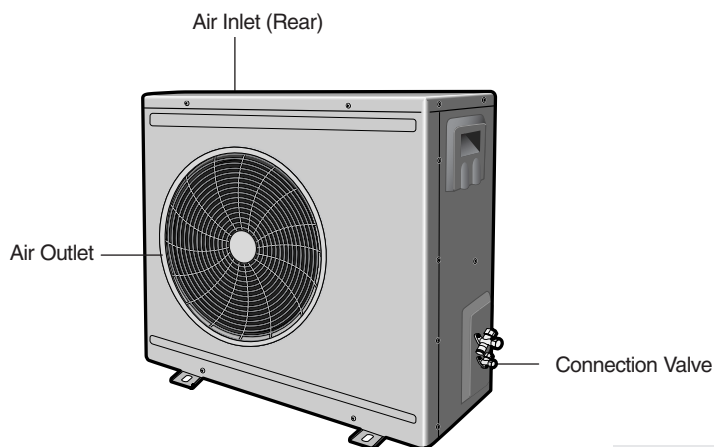
Outdoor Unit

SH18BW6 Series

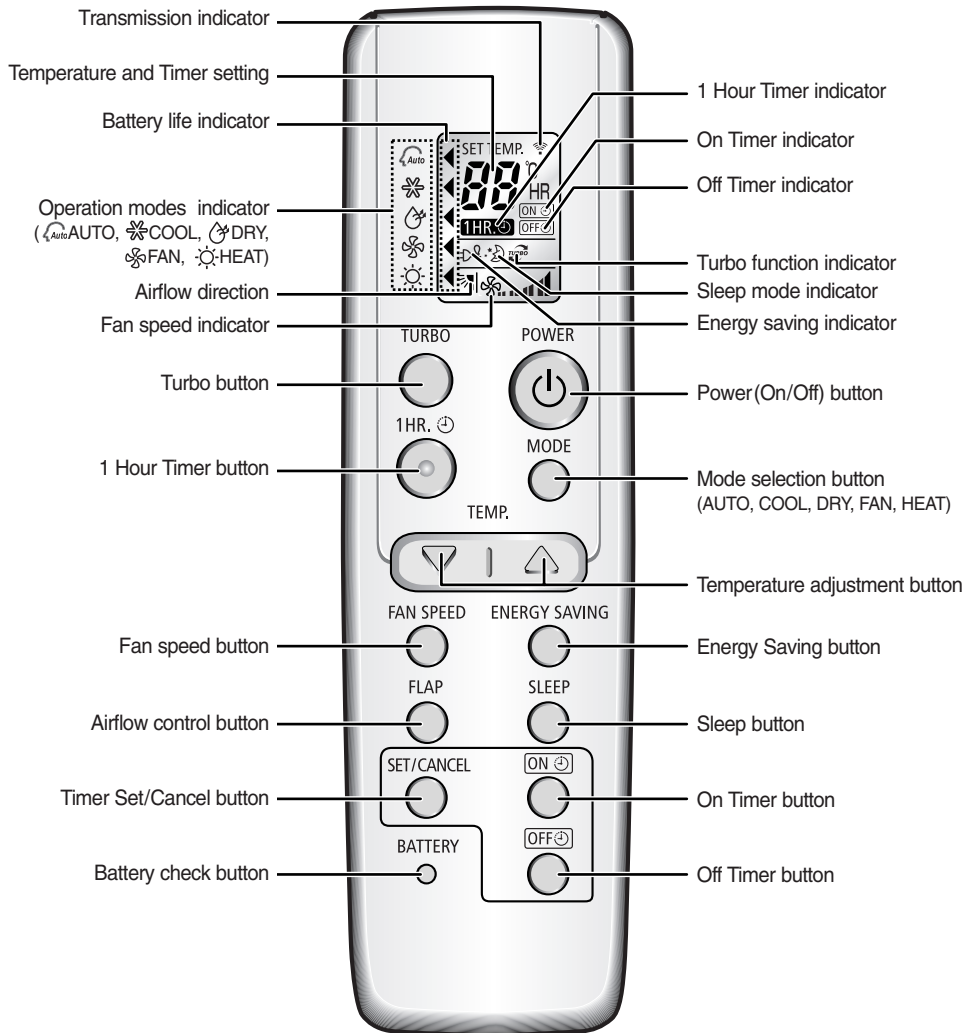


Outdoor Unit

SH24BW2 Series



Remote Control - Buttons and Display



Note

- ◆ Each mode indicator shows the current setting and the battery life.
- ◆ You can check the battery life by pressing the ^{BATTERY} button.
- ◆ The number of the battery life indicator means the remaining battery life. Replace the batteries when only one battery life indicator remains.

Inserting the Remote Control Batteries

You must insert or replace the remote control batteries when:

- ◆ **You purchase the air conditioner**
- ◆ **The remote control does not work correctly**

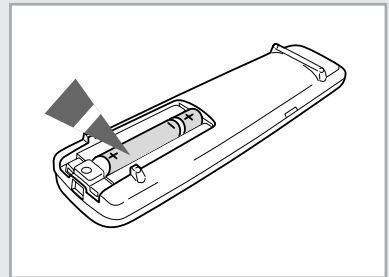
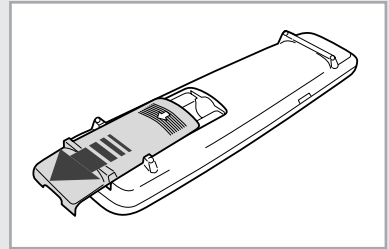
Note

- ◆ Use two AAA, LR03 1.5V batteries.
- ◆ Do not use old batteries or different kinds of batteries together.
- ◆ Batteries may be completely discharged after 12 months, even if they have not actually been used.

-
- 1 Remove the battery cover in the rear of the remote control by pushing it with your thumb.

-
- 2 Insert two batteries, respecting the polarities as indicated by the + and - symbols.

-
- 3 Close the cover by sliding it back in its place.
-



Getting Start

The User's Manual provides you valuable information about your air conditioner. Please read this manual carefully before using the air conditioner. It will help you take full advantage of the unit's features.


You have already seen the basic description of the unit on pages from 4 to 6. Starting up with the next page, you will find a series of step-by-step procedures for each function available.

The illustrations in the step-by-step procedures use three different symbols:



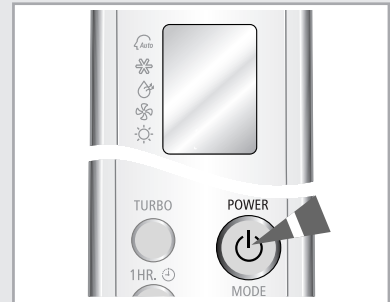
Selecting the Auto Mode

You can select the Auto mode if you want to cool or heat your room automatically. You can adjust the temperature and the fan speed in this mode.

- 1 If necessary, press the  button.


Result:

- ◆ The operation indicator on the indoor unit lights up.
- ◆ The air conditioner starts up in the mode you selected last.
- ◆ The indoor unit beeps.





- 2 Press the  button on the remote control until  is displayed.

Result:



- ◆ The indoor unit beeps each time you press the  button.
- ◆ The air conditioner runs in the Auto mode.
- ◆ The Auto mode cools or heats the room depending on the set temperature.
- ◆ The air conditioner changes the Cool or Heat mode automatically depending on the current temperature during operation.



Note You can change modes at any time.

- 3 Press the  |  button to adjust the temperature until the required temperature is displayed.

You can set the temperature between 16°C and 30°C.

Result: Each time you press the  |  button:

- The temperature is adjusted by 1°C
- The indoor unit beeps



Selecting the Cool Mode

**You can select the Cool mode if you want to cool your room.
You can adjust the temperature and the fan speed when cooling.**



- 1 If necessary, press the  button.


Result:

- ◆ The operation indicator on the indoor unit lights up.
- ◆ The air conditioner starts up in the mode you selected last.
- ◆ The indoor unit beeps.





- 2 Press the  button on the remote control until  is displayed.

Result:

- ◆ The indoor unit beeps each time you press the  button.
- ◆ The air conditioner runs in the Cool mode.



Note You can change modes at any time.




- 3 Press the  |  button to adjust the temperature until the required temperature is displayed.

You can set the temperature between 16°C and 30°C.

Result:

- ◆ Each time you press the  |  button:
 - The temperature is adjusted by 1°C
 - The indoor unit beeps
- ◆ If the room temperature is higher than the selected temperature, the air conditioner starts cooling.
- ◆ If the room temperature reaches the set temperature, the air conditioner stops cooling, but the fan operates consistently.



- 4 Press the  button to select the fan speed until the required setting is displayed.


 Automatic (rotated :  →  → )

 Low

 Medium

 High

 Maximum

Result: Each time you press the  button, the indoor unit beeps.

- 5 To control the airflow direction, refer to pages 16 and 17.

Selecting the Heat Mode

**You can select the Heat mode if you want to heat your room.
You can adjust the temperature and the fan speed when heating.**


- 1 If necessary, press the  button.

Result:



- ◆ The operation indicator on the indoor unit lights up.
- ◆ The air conditioner starts up in the mode you selected last.
- ◆ The indoor unit beeps.

- 2 Press the  button on the remote control until  is displayed.

Result:



- ◆ The indoor unit beeps each time you press the  button.
- ◆ The air conditioner runs in the Heat mode.


Note You can change modes at any time.






- 3 Press the  |  button to adjust the temperature until the required temperature is displayed.


You can set the temperature between 16°C and 30°C.


Result:


- ◆ Each time you press the  |  button:
 - The temperature is adjusted by 1°C
 - The indoor unit beeps
- ◆ If the room temperature reaches 5°C higher than the set temperature, the air conditioner stops heating, but the fan operates consistently.
- ◆ If the room temperature reaches 3°C lower than the set temperature, the air conditioner starts heating again.


- 4 Press the  button to select the fan speed until the required setting is displayed.

 Automatic (rotated :  →  →  → )


 Low

 Medium

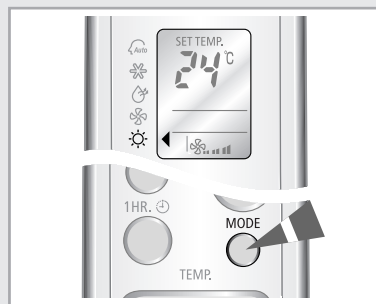
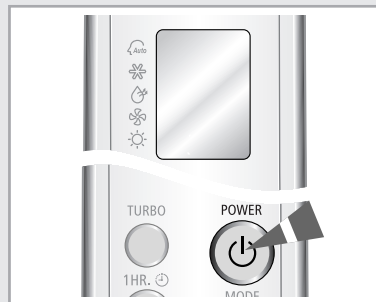
 High

 Maximum

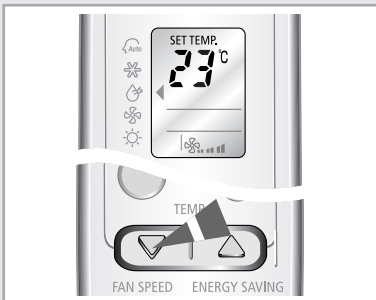
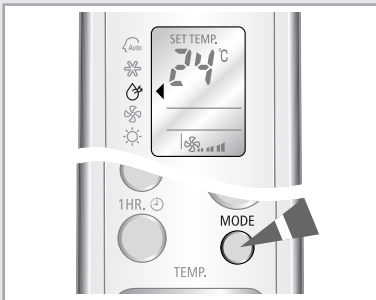
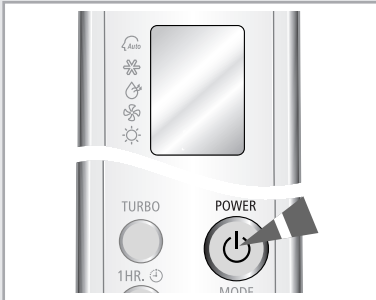
Result:

- ◆ Each time you press the  button, the indoor unit beeps.
- ◆ For the first 3~5 minutes, the fan may not operate to prevent the cool air from running out of the indoor unit. It helps to warm the air in your room sufficiently.

- 5 To control the airflow direction, refer to pages 16 and 17.



Selecting the Dry Mode



**You can select the Dry mode if you want to dehumidify your room.
You can adjust the temperature in this mode.**


- 1 If necessary, press the  button.

Result:



- ◆ The operation indicator on the indoor unit lights up.
- ◆ The air conditioner starts up in the mode you selected last.
- ◆ The indoor unit beeps.

- 2 Press the  button on the remote control until  is displayed.

Result:



- ◆ The indoor unit beeps each time you press the  button.
- ◆ The air conditioner runs in the Dry mode.

Note You can change modes at any time.

- 3 Press the  |  button to adjust the temperature until the required temperature is displayed.

You can set the temperature between 16°C and 30°C.


Result:

- ◆ Each time you press the  |  button:
 - The temperature is adjusted by 1°C
 - The indoor unit beeps
- ◆ The air conditioner starts dehumidifying and the fan speed is adjusted automatically.

- 4 To control the airflow direction, refer to pages 16 and 17.

Selecting the Fan Mode

You can select the Fan mode if you want to ventilate your room. It helps to refresh the air in your room. You can adjust the fan speed in this mode.


- 1 If necessary, press the  button.

Result:


- ◆ The operation indicator on the indoor unit lights up.
- ◆ The air conditioner starts up in the mode you selected last.
- ◆ The indoor unit beeps.



- 2 Press the  button on the remote control until  is displayed.

Result:

- ◆ The indoor unit beeps each time you press the  button.
- ◆ The air conditioner runs in the Fan mode.
- ◆ The temperature is set automatically.

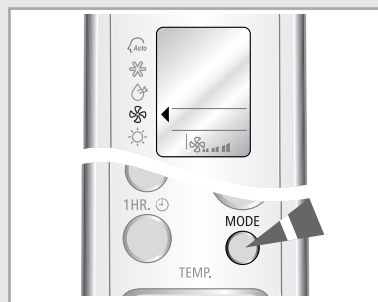
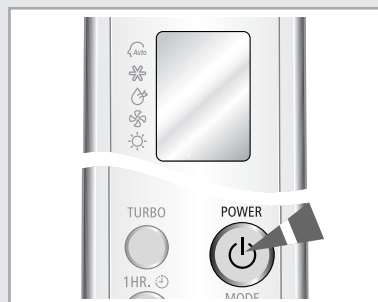
Note You can change modes at any time.

- 3 Press the  button to select the fan speed until the required setting is displayed.

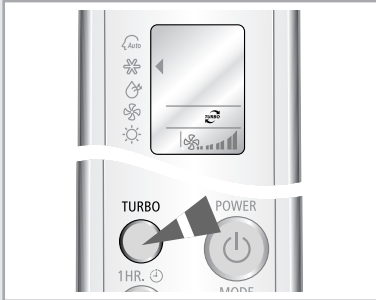
 Low
 Medium
 High

Result: Each time you press the  button, the indoor unit beeps.

- 4 To control the airflow direction, refer to pages 16 and 17.



Selecting the Turbo Function



You can select the Turbo Function if you want to cool or heat your room in the fastest way. After the 30-minute operation with the maximum setting, it returns to the previous setting.

-
- 1 If necessary, press the  button.


Result:

- ◆ The operation indicator on the indoor unit lights up.
- ◆ The air conditioner starts up in the mode you selected last.
- ◆ The indoor unit beeps.

-
- 2 Press the  button.

Result:

- ◆ The temperature and fan settings are adjusted automatically.
- ◆ The air conditioner cools or heats the room as quickly as possible.
- ◆ After 30 minutes, the air conditioner is reset automatically to the previous setting.
- ◆ You can select the Turbo function in the Auto, Cool and Heat mode. If you select this function in the Dry or Fan mode, the mode changes to the Auto mode.

-
- 3 Press the  button again to stop the Turbo Function before the end of the 30-minute period.

Result: The air conditioner is reset automatically to the previous setting.

-
- 4 To control the airflow direction, refer to pages 16 and 17.
-

Selecting the Energy Saving Function

You can select the Energy Saving Function to save energy when cooling or heating.


- 1 If necessary, press the  button.

Result:



- ◆ The operation indicator on the indoor unit lights up.
- ◆ The air conditioner starts up in the mode you selected last.
- ◆ The indoor unit beeps.


- 2 Press the  button.

Result:

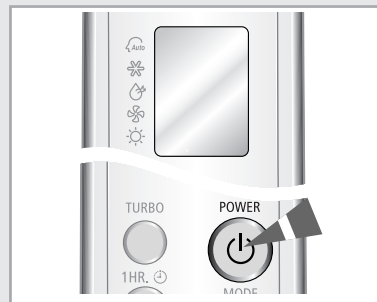
- ◆ The indoor unit beeps.
- ◆ The air conditioner runs in the Energy saving mode.
- ◆ The outer airflow blade moves up and down.
- ◆ To stop the Energy saving mode, press the  again.

Note You can select the Energy saving mode only in the Cool and Heat mode.

- 3 Press the  |  button to adjust the temperature until the required temperature is displayed.

- 4 Press the  button to select the fan speed until the required setting is displayed.


- 5 To control the airflow direction, refer to pages 16 and 17.




Adjusting the Airflow Direction Vertically



You can adjust the airflow direction vertically. The outer airflow blade moves up and down to increase the efficiency of the cooling or heating operation.

-
- 1 Press the  button until the required direction is set.
Result: The outer blade is adjusted vertically.

-
- 2 Press the  button to move the blade up and down automatically during operation.

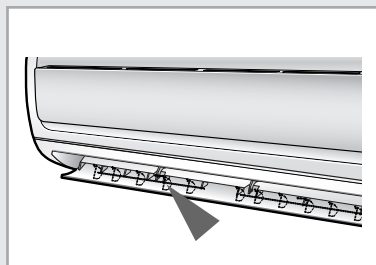
-
- 3 Press the  button again to stop the blade moving up and down.

Note	If you turn the air conditioner...	Then the blade...
	off	is closed completely.
	on	set to the default position.

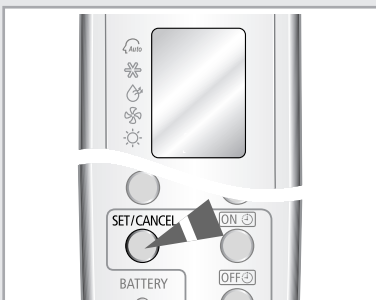
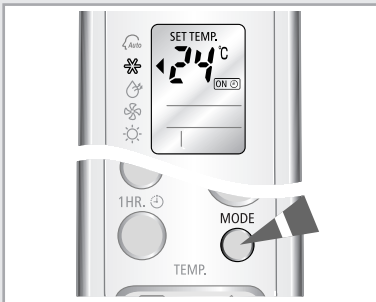
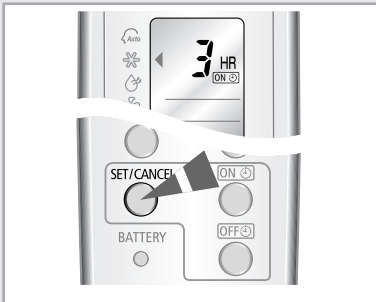
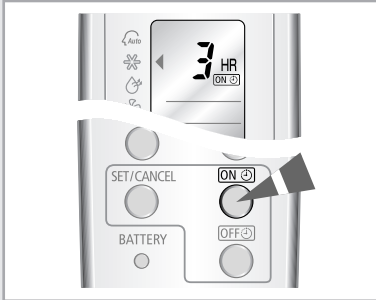
Adjusting the Airflow Direction Horizontally

You can adjust the airflow direction horizontally with your hands. The inner blades with small fins moves the air to the required direction.


- 1 Adjust the inner blades by moving them to left or right.



Setting the On Timer




You can set the On Timer to turn on the air conditioner automatically at the appointed time. You can set the time from 1 hour to 24 hours.

- 1 Press the  button until the required time is displayed to set the On Timer. You can set the time between 1 hour and 24 hours.

- 2 Press the  button to complete the setting.

Result:

- ◆ The remaining time is displayed.
- ◆ The timer indicator stops blinking.
- ◆ The selected mode and the temperature on the display disappear after 10 seconds.
- ◆ The air conditioner turns on automatically at the appointed time and the On Timer setting disappears.


- 3 Press the  button until the desired mode is displayed at the top of the remote control to select the mode in advance.

Result:


The air conditioner operates in the selected mode when it is turned on.

Note If you don't use the remote control after setting the On Timer, it turns off automatically after 25 hours.

To Cancel the On Timer


Press the  button to cancel the On Timer.

Note

If you press the  button, both the On Timer and the Off Timer are canceled.

Setting the Off Timer

You can set the Off Timer to turn off the air conditioner automatically at the appointed time. You can set the time from 1 hour to 24 hours.





- 1 Press the  button until the required time is displayed to set the Off Timer. You can set the time between 1 hour and 24 hours.



- 2 Press the  button to complete the setting.

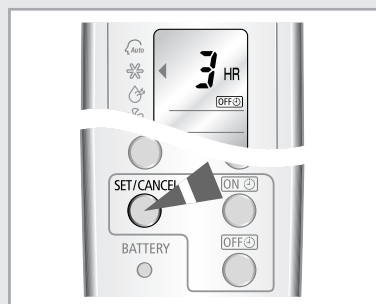
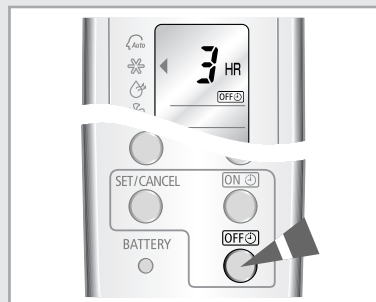
Result:

- ◆ The remaining time is displayed.
- ◆ The timer indicator stops blinking.
- ◆ The air conditioner turns off automatically at the appointed time and the Off Timer setting disappears.


Example If you would like to turn the air conditioner on after 2 hours and to operate it for 2 hours:


1. Press the  button until '2 Hr' is displayed.
2. Press the  button.
3. Press the  button until '4 Hr' is displayed.
4. Press the  button.

Note You can check or change the mode and/or the temperature by pressing the  button or the  button after setting the Off Timer.



To Cancel the Off Timer

Press the  button to cancel the Off Timer.



Note If you press the  button, both the On Timer and the Off Timer are canceled.



Setting the Sleep Timer

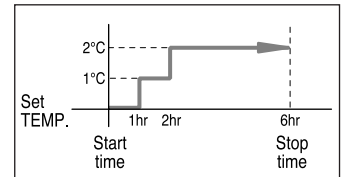


You can set the Sleep Timer to turn off the air conditioner automatically while you are sleeping. The air conditioner stops operating 6 hours after you set the Sleep Timer.

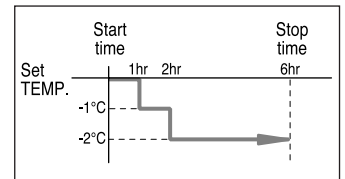
- 1 Press the  button until the  indicator appears on the remote control.
Result:
 - ◆ The indoor unit beeps.
 - ◆ The air conditioner will be controlled as indicated in the illustrations below.

Note You can set Sleep Timer only in the Cool or Heat mode.

Cooling The temperature is increased by 1°C every hour. After the increase of 2°C, the temperature is maintained for 4 hours.





Heating The temperature is decreased by 1°C every hour. After the decrease of 2°C, the temperature is maintained for 4 hours.



To Cancel the Sleep Timer






Press the  button to cancel the Sleep Timer.

- Result:**
- ◆ The indoor unit beeps.
 - ◆ The  indicator is no longer displayed.
 - ◆ The air conditioner operates normally.

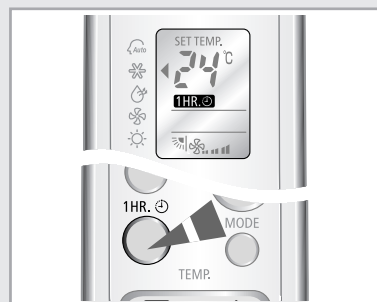
Setting the 1 Hour Timer

You can set the 1 Hour Timer to turn off the air conditioner automatically after an hour. It is the quick and convenient way using only one button.


- 1 Press the  button until the  indicator appears on the remote control.
Result:
 - ◆ The indoor unit beeps.
 - ◆ The air conditioner turns off after an hour automatically.


- 2 Press the  button until the desired mode is displayed at the remote control to select the mode after setting the 1 Hour Timer.
Result: The air conditioner operates in the selected mode for an hour.

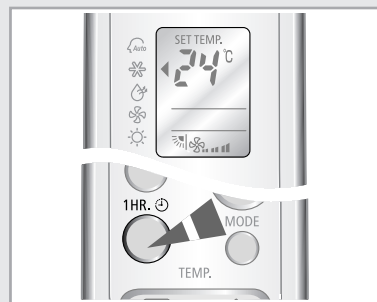
Note If you set the 1 Hour Timer when the air conditioner is turned off, the air conditioner turns on and operates for an hour.



To cancel the 1 Hour Timer

Press the  button to cancel the 1 Hour Timer.

- Result:
- ◆ The indoor unit beeps.
 - ◆ The  indicator is no longer displayed.
 - ◆ The air conditioner operates normally.



Operating Recommendations

When you use your air conditioner, it is recommended to read the following:

Topic	Recommendation
Heating performances	The heat pump function of the air conditioner absorbs heat from outside air and brings it indoors. As the temperature of the outside air drops, the heating performance of air conditioner will decrease. If you find that the room is not warm enough, using an additional heating appliance is recommended.
Warm air circulation	The air conditioner circulates warm air to heat your room. It will take some time to warm the air in your room entirely after the air conditioner turns on. Therefore, turn the air conditioner on in advance.
Frost	When outdoor temperature is low but humidity is high, frost may form on the outdoor unit at Heat mode. <ul style="list-style-type: none">◆ The heating operation stops.◆ The defrost mode will be triggered automatically for 3 to 14 minutes. No intervention is required ; after about 7 minutes, the air conditioner operates again normally.
High indoor and outdoor temperatures	If both indoor and outdoor temperatures are high and the air conditioner is running at HEAT mode, the outdoor unit's fan and compressor may stop at times. This is normal ; simply wait until the air conditioner switches on again.
Power failure	If a power failure occurs while the air conditioner is operating, the unit will be switched off. When the power returns, the air conditioner starts up again automatically.
Protection mechanism	When the air conditioner is started immediately after being plugged in or stopped, the normal operation starts up after 3 minutes for the reason of protection.
Cooling operation	The indoor unit may not get the selected fan speed such as Medium and Low under cooling operation at very low outdoor temperatures for the protection of the indoor unit from ice or frost. During Low fan speed operation, cooling performance will be reduced. If the room does not be cooled down when using Low fan speed operation, please adjust the indoor unit's fan speed.

Temperature and Humidity Ranges

If you check the following tables, you can use your air conditioner more efficiently.

If the air conditioner is used at...	Then...
High temperatures	The air conditioner may stop operating for the reason of protection.
Low temperatures	Water may leak and some malfunction may occur if the heat exchanger freezes.
High humidity levels	Water may condense and drip from the surface of the indoor unit if you don't use the air conditioner for a long time.

Operation	Outdoor Temperature	Indoor Temperature	Indoor Humidity
Heating	-10°C to 24°C approx.	27°C or less	-
Cooling	-5°C to 43°C approx.	16°C to 32°C approx.	80% or less
Dehumidifying	18°C to 43°C approx.	16°C to 32°C approx.	-

* If the outdoor temperature is as low as 0°C, the heating capacity drops up to 70~80% depending on the operating condition.

If you use the air conditioner over 32°C(indoor temperature), the cooling capacity may drop.

Operating Your Air Conditioner Without the Remote Control

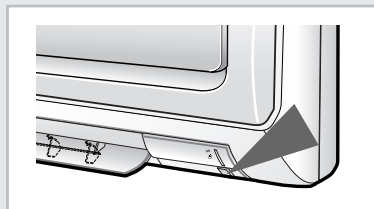
You can operate your air conditioner directly without the remote control.

- To turn the air conditioner on, press the On/Off button on the right side of the indoor unit.

Result:






 - ◆ The Operation indicator on the indoor unit lights up.
 - ◆ The indoor unit beeps.
 - ◆ The air conditioner starts up in the appropriate mode for the room temperature. The air conditioner changes the Cool or Heat mode automatically depending on the current temperature during operation.
- To turn the air conditioner off, press the On/Off button again.

Note Even if you turned the air conditioner on with the On/Off button, you can control it with the remote control.



Troubleshooting Guide

Before contacting the service center, check the following. It will save your time and the expense of an unnecessary call.

Problem	Explanation/Solution
The air conditioner does not operate.	<ul style="list-style-type: none"> ◆ Check if the circuit breaker of the air conditioner is switched on. ◆ Check if the air conditioner is turned on. If necessary, press the  button on the remote control. ◆ Check if the Timer indicator on the indoor unit is on. If so: <ul style="list-style-type: none"> - Wait until the set time is reached and the air conditioner starts automatically. - Cancel the Timer. (See pages 18 and 19 for further details)
The air conditioner does not operate with the remote control.	<ul style="list-style-type: none"> ◆ Check if there are no obstacles in front of the indoor unit. ◆ Check the remote control batteries. ◆ Make sure that you are within 7 meters from the indoor unit.
No beep is heard when you press the  on the remote control.	<ul style="list-style-type: none"> ◆ Check if you are pointing the remote control at the remote control sensor on the right side of the indoor unit. ◆ Replace the remote control batteries if necessary.
The air conditioner does not cool or heat.	<ul style="list-style-type: none"> ◆ Check if the correct operating mode has been selected (Auto, Cool, Heat). ◆ The room temperature may be too low or too high. ◆ Check if the air filter is dirty; refer to page 25 for cleaning instructions. ◆ Check that there is no obstacle in front of the outdoor unit.
When heating, the required room temperature is never reached and the air conditioner frequently stops.	<ul style="list-style-type: none"> ◆ Check if the required temperature is set correctly. ◆ Increase the fan speed. ◆ If the airflow is directed upwards, set the blade downwards with the remote control.
The fan speed does not change when you press the  button.	<ul style="list-style-type: none"> ◆ Check if the mode is set to the Auto, Cool, Heat or Fan mode; in the Dry mode, the fan speed changes automatically.
The airflow direction does not change when you press the  button.	<ul style="list-style-type: none"> ◆ Check if the air conditioner has been turned on; if necessary, press the  button on the remote control.
The timer is not correctly triggered.	<ul style="list-style-type: none"> ◆ Check if the timer is set correctly; see pages 18 and 19.
Odor permeates into the room during operation.	<ul style="list-style-type: none"> ◆ You can use the Fan mode to ventilate your room.

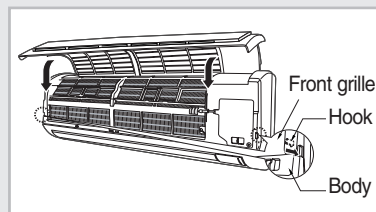
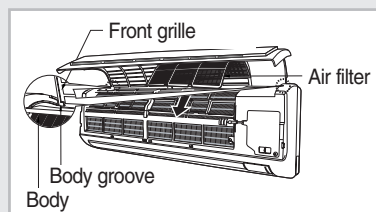
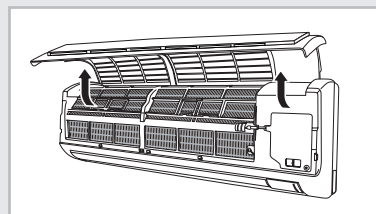
Cleaning Your Air Conditioner

For the best use of your air conditioner, you must clean it every 2 weeks to remove the dust that accumulates on the air filter.

IMPORTANT Before cleaning your air conditioner, check if you have turned off the circuit breaker.

- 1 Open the upper front grille by pulling the lower right and left tabs of the grille.
- 2 Pull air filters out of each tab of the grille.
- 3 Remove all dust on the air filters with a vacuum cleaner or brush.
- 4 When you finish, insert air filters by fixing them to each tab of the grille.
- 5 To close the front grille, fix it to hooks and push down the lower right and left tabs of the grille.
- 6 Clean the front grille with a damp cloth and mild detergent (do NOT use benzene, solvents or other chemicals).

Note If you have not used the air conditioner for a long time, select the Fan mode for 3 to 4 hours to dry the inside of the air conditioner.



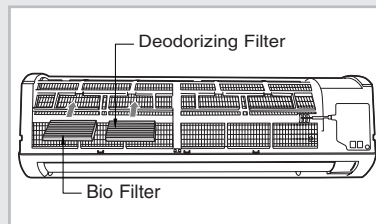
Cleaning Deodorizing and Bio Filter (Option)

There are Deodorizing and Bio filters inside your air conditioner. They remove odors and dust in your room. You should clean the filters every 3 months.

- 1 Open the upper front grille by pulling the lower right and left tabs of the grille.
- 2 Pull out the deodorizing and Bio filter.
- 3 Wash the filters with clean water, then dry them in the shade.
- 4 Insert the filters in their place.

Note You can change the position of filters with each other.


- 5 Close the front grille.





Contact SAMSUNG WORLD WIDE

If you have any comments or questions regarding a Samsung products, contact the SAMSUNG customer care center.

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