AQB09JJWC IB_E_DB98-25865 2006.4.14 3:34 PM Page 27

SAMSUNG

USER'S MANUAL

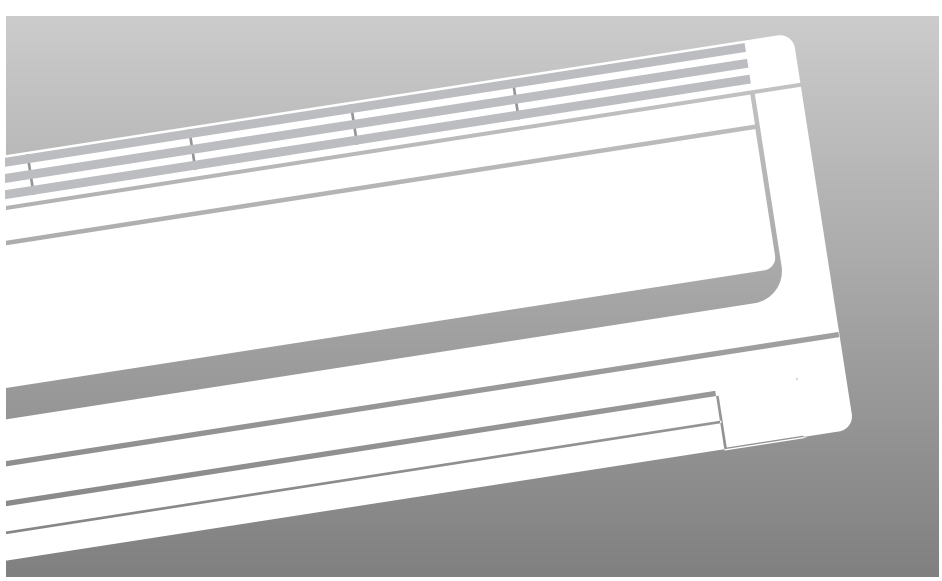
Indoor Unit	Outdoor Unit
AQB09JJWC	UQB09JJWC
AQB12JJWC	UQB12JJWC
AQB18J6WC	UQB18J6WC
AQB24J2WC	UQB24J2WC

ENGLISH

ESPAÑOL

FRANÇAIS

Split-type Air Conditioner
(Cooling and Heating)



ⒺⓈⒻ DB98-25865A(2)

Register your product at www.samsung.com/global/register

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 23ft(7m) 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.

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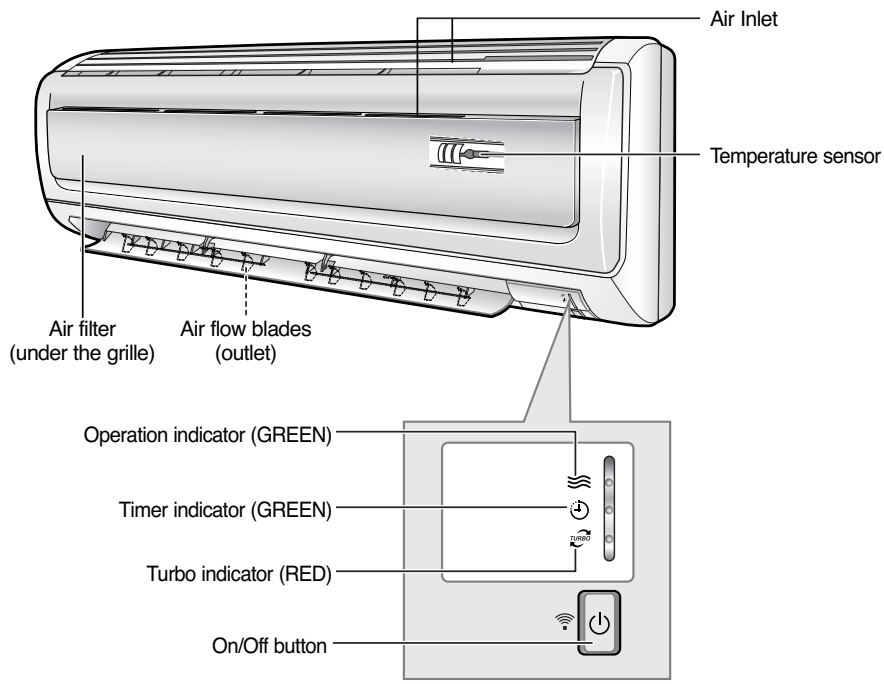
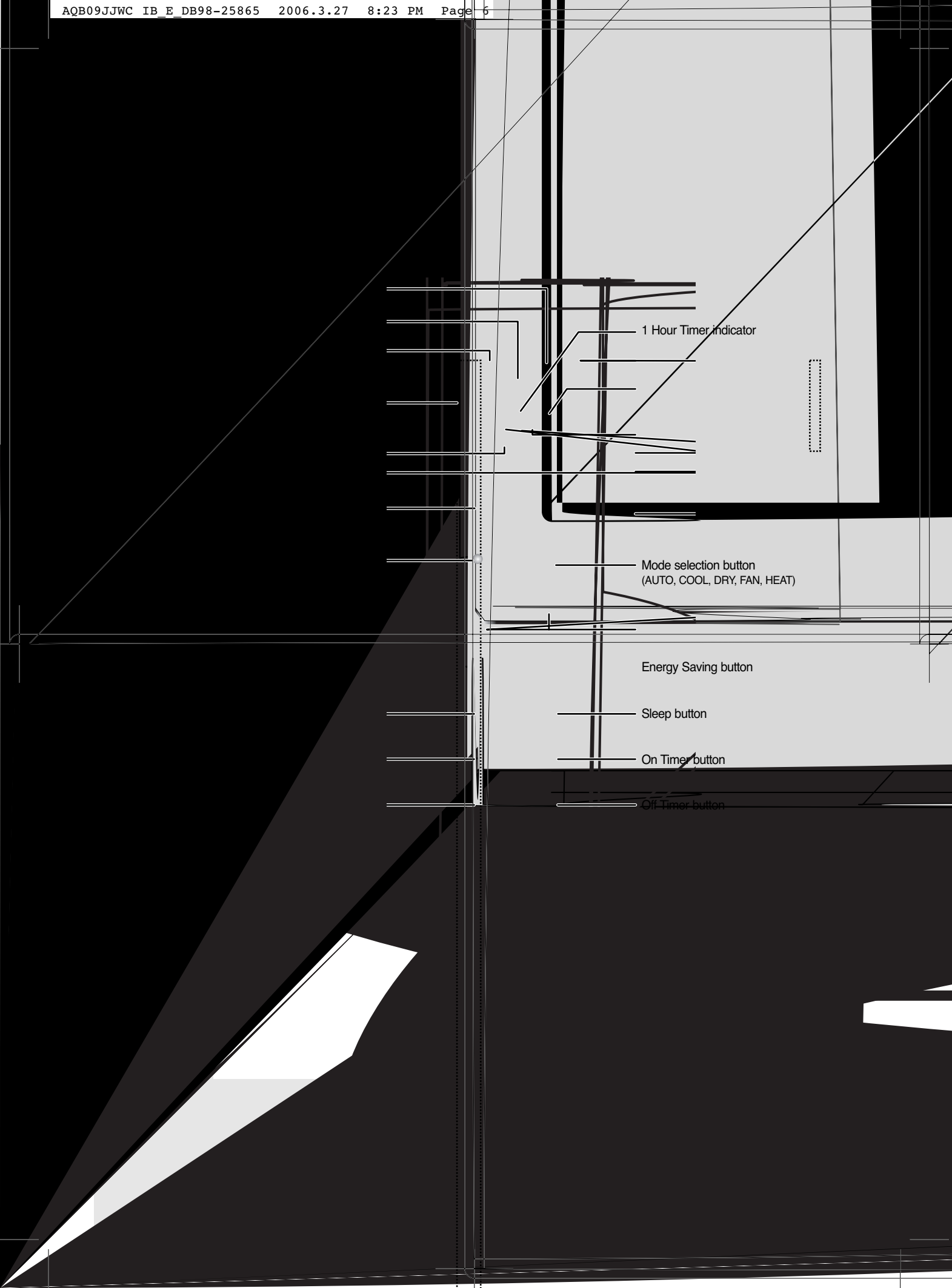
Name of Each Part

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

Indoor Unit




1 Hour Timer indicator
Mode selection button
(AUTO, COOL, DRY, FAN, HEAT)
Energy Saving button
Sleep button
On Timer button
Off Timer button

Inserting the Remote Control Batteries

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.

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:

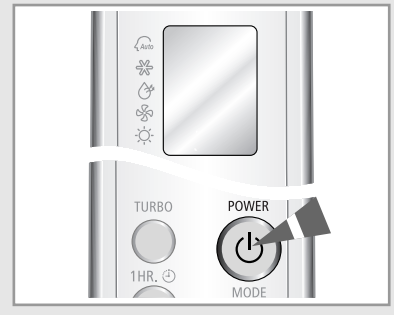
PRESS	**PUSH**	**HOLD DOWN**

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 POWER 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 MODE button on the remote control until Auto is displayed.

Result:
- The indoor unit beeps each time you press the MODE 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.

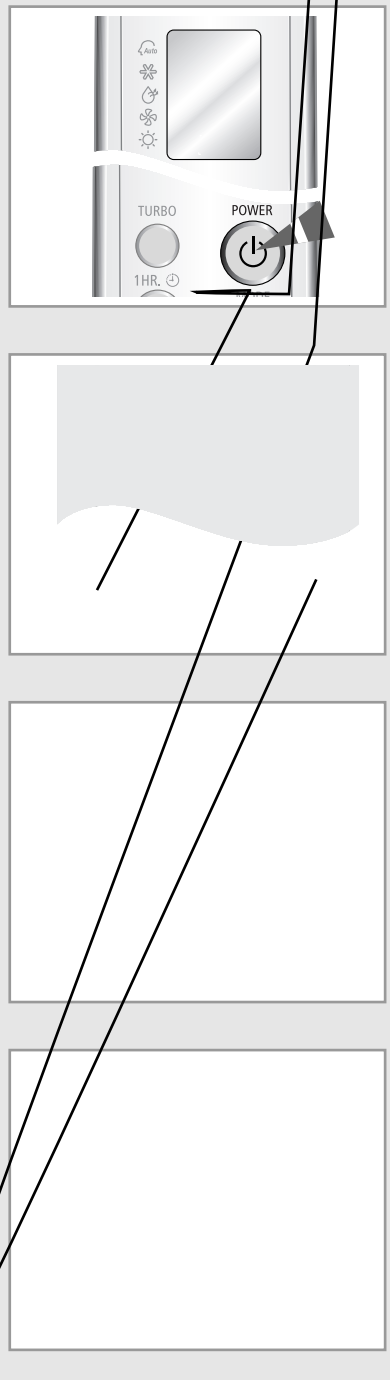
Note You can change modes at any time.

3 Press the ▽ | △ button to adjust the temperature until the required temperature is displayed.
You can set the temperature between 61°F(16°C) and 86°F(30°C).

Result: Each time you press the ▽ | △ button:
- The temperature is adjusted by 1°F
- The indoor unit beeps

Selecting the Cool Mode

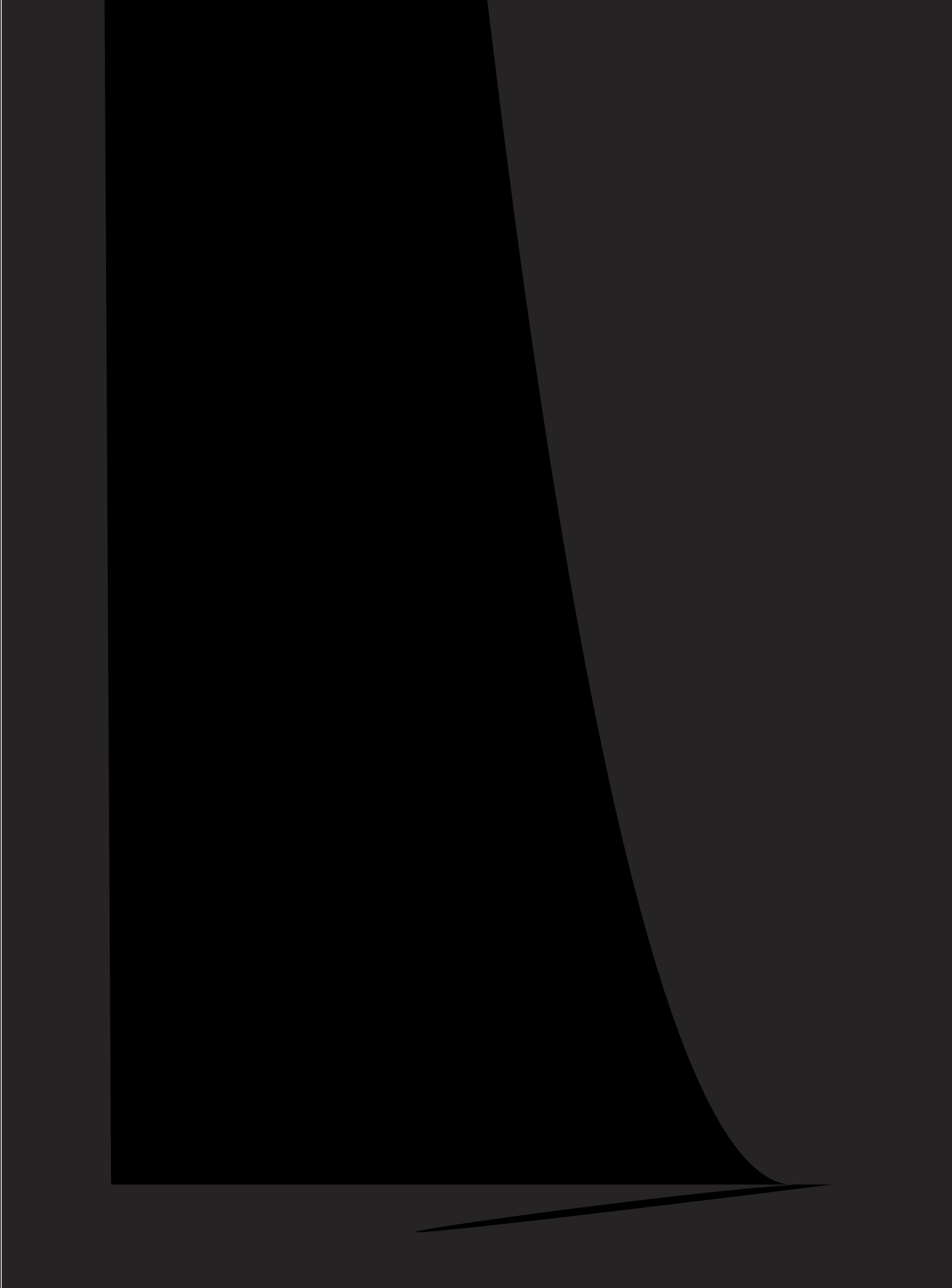
You can select the Cool mode if you want to cool your room.
You can adjust the temperature and the fan speed when cooling.



1 If necessary, press the POWER button.

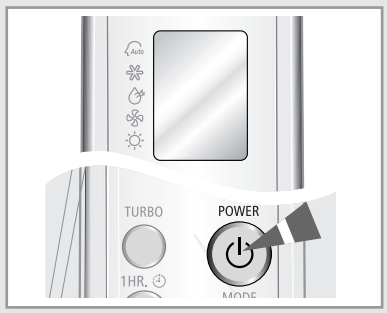
Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode you selected last.
- The indoor unit beeps.

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



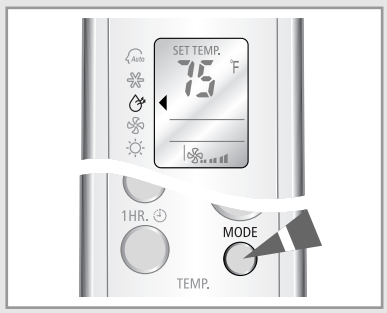
Selecting the Dry Mode

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 POWER button.

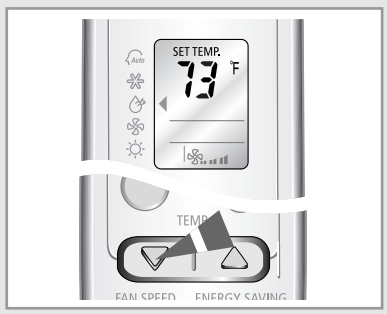
Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode you selected last.
- The indoor unit beeps.



2 Press the MODE button on the remote control until the Dry mode icon is displayed.

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

Note You can change modes at any time.

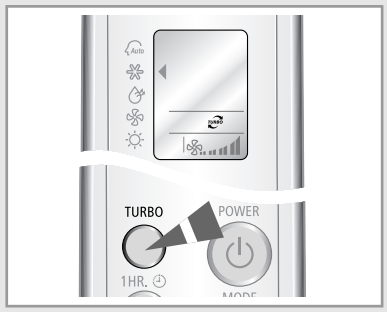


3 Press the ▽ | △ button to adjust the temperature until the required temperature is displayed.
You can set the temperature between 61°F(16°C) and 86°F(30°C).

Result:
- Each time you press the ▽ | △ button:
  - The temperature is adjusted by 1°F
  - 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 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 POWER 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 TURBO 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.

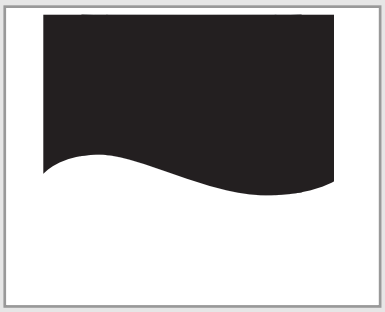
3 Press the TURBO button again to stop the Turbo Function before the end of the 30-minute period.

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

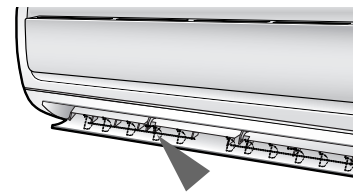
Adjusting the Airflow Direction Vertically



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 ON 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 SET/CANCEL button to complete the setting.

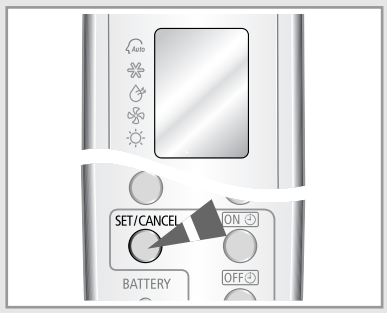
Result:
- ◆ The remaining time is displayed.
- ◆ The timer indicator stops blinking.
- ◆ The selected mode and the temperature on the display disappear after 10 seconds.
- ◆ The air conditioner turns on automatically at the appointed time and the On Timer setting disappears.

3 Press the MODE 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



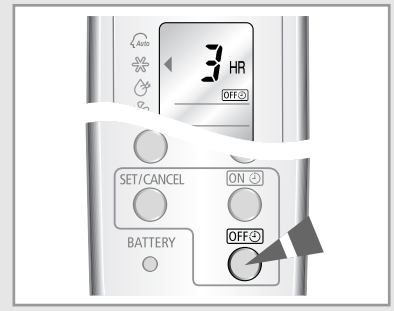
Press the SET/CANCEL button to cancel the On Timer.

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

Setting the Off Timer

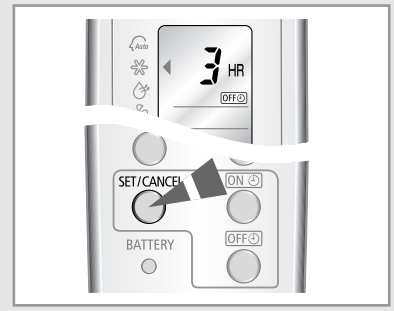
You can set the Off Timer to turn off the air conditioner automatically at the appointed time. You can set the time from 1 hour to 24 hours.

1 Press the OFF 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 SET/CANCEL 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 ON button until '2 Hr' is displayed.
2. Press the SET/CANCEL button.
3. Press the OFF button until '4 Hr' is displayed.
4. Press the SET/CANCEL button.

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

To Cancel the Off Timer

Press the SET/CANCEL button to cancel the Off Timer.

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

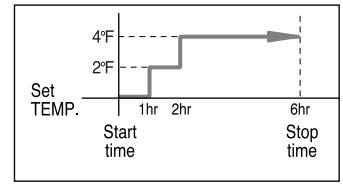
Setting the Sleep Timer

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.

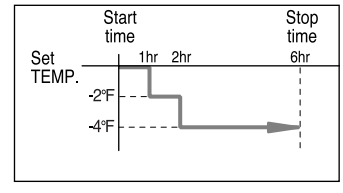
1 Press the button until the indicator appears on the remote control.

Result:
- ◆ The indoor unit beeps.
- ◆ The air conditioner will be controlled as indicated in the illustrations below.

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



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



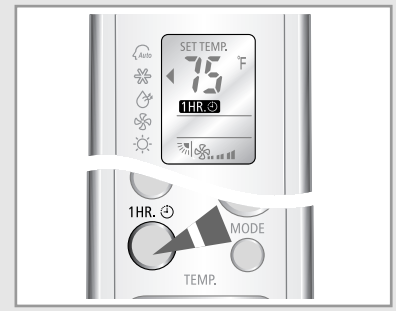
To Cancel the Sleep Timer

Press the SLEEP 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 1HR. button until the 1HR. indicator appears on the remote control.

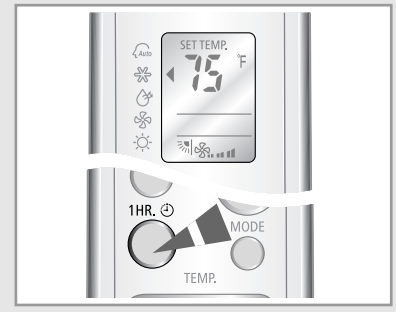
Result: ◆ The indoor unit beeps.
◆ The air conditioner turns off after an hour automatically.

2 Press the MODE 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 1HR. button to cancel the 1 Hour Timer.

Result: ◆ The indoor unit beeps.
◆ The 1HR. 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. ◆ 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	14°F to 75°F approx.	81°F or less	
	-10°C to 24°C approx.	27°C or less	-
Cooling	23°F to 114°F approx.	61°F to 90°F approx.	
	-5°C to 46°C approx.	16°C to 32°C approx.	80% or less
Drying	23°F to 114°F approx.	61°F to 90°F approx.	
	-5°C to 46°C approx.	16°C to 32°C approx.	-

✳ ***If the outdoor temperature is as low as 32°F/0°C, the heating capacity drops up to 70~80% depending on the operating condition.***

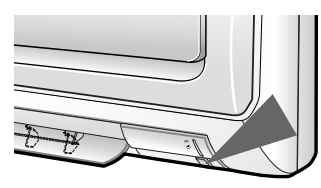
If you use the air conditioner over 90°F/32°C (indoor temperature), the cooling capacity may drop.

Operating Your Air Conditioner Without the Remote Control

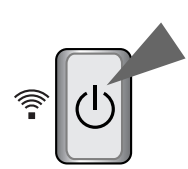
You can operate your air conditioner directly without the remote control.

1 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.



2 To turn the air conditioner off, press the On/Off button again.

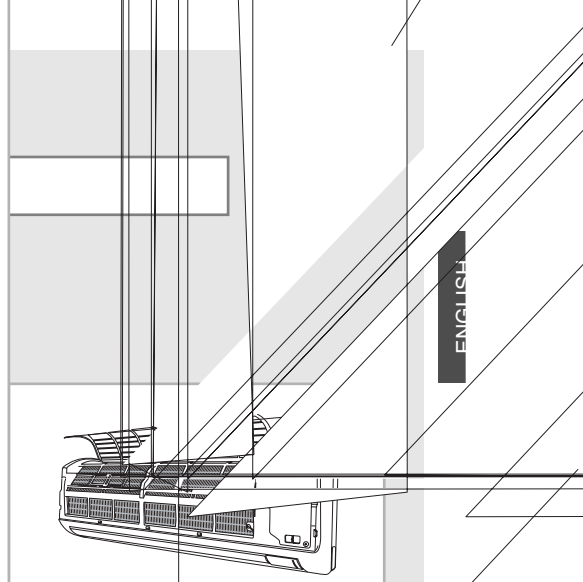


Note Even if you turned the air conditioner on with the On/Off button, you can control it with the remote control.

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.	◆ Check if the circuit breaker of the air conditioner is switched on. ◆ Check if the air conditioner is turned on. If necessary, press the POWER button on the remote control. ◆ Check if the Timer indicator on the indoor unit is on. If so: - 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.	◆ Check if there are no obstacles in front of the indoor unit. ◆ Check the remote control batteries. ◆ Make sure that you are within 23ft(7m) from the indoor unit.
No beep is heard when you press the POWER on the remote control.	◆ 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.	◆ 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.	◆ 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 FAN SPEED button.	◆ 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 FLAP button.	◆ Check if the air conditioner has been turned on; if necessary, press the POWER button on the remote control.
The timer is not correctly triggered.	◆ Check if the timer is set correctly; see pages 18 and 19.
Odor permeates into the room during operation.	◆ You can use the Fan mode to ventilate your room.



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ELECTRONICS

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

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