

SAMSUNG

**OWNER'S INSTRUCTIONS
MANUAL DE INSTRUCCIONES
ISTRUZIONI PER L'USO
MANUAL DE INSTRUÇÕES
MANUEL D'UTILISATION
GEBRAUCHSANWEISUNG**

Indoor unit

**PH28ZA1
APH2840E**

Outdoor unit

**PH28ZA1X
UPH2840E**

Split-type Packaged Air Conditioner (Cool and Heat)

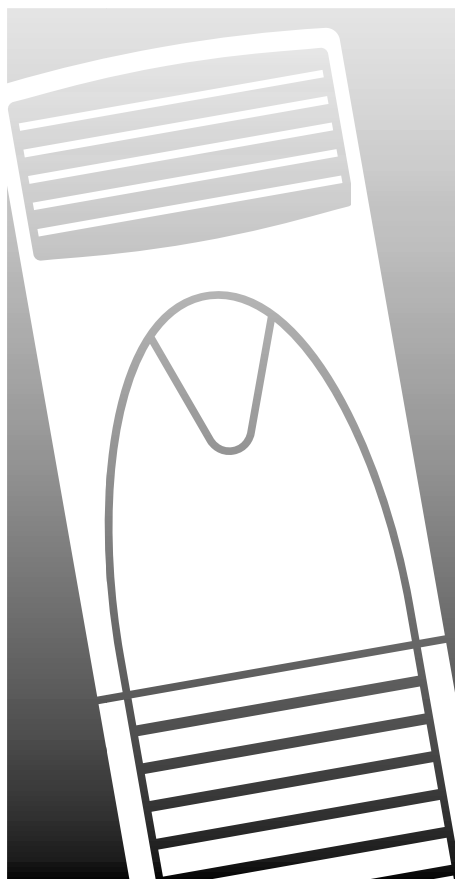
Grieta de Colmado de Aire Acondicionado (Refrigeración y Calefacción)

Un tipo Sfalsato Confezionato (Raffreddamento e Riscaldamento)

Aparelho de Ar Condicionado do Tipo-Dividido (Refrigeração e Aquecimento)

Climatiseur Monobloc de Type Split (Refroidissement et Chauffage)

Split-ty Pauschal Klimaanlage (Kühlen und Wärmen)



ENGLISH

ESPAÑOL

ITALIANO

PORTUGUÊS

FRANÇAIS

DEUTSCH

Safety Precautions

The following safety precautions must be taken when using your air conditioner.

- 1 *Make sure that the indoor unit is correctly ventilated at all times; do NOT place clothing or other materials over it.*
- 2 *NEVER spill liquid of any kind into the indoor unit. Should this happen, switch off the breaker used for your air conditioner and contact your installation specialist.*
- 3 *Do NOT insert anything between the air flow blades, as the inner fan may become damaged and you may be hurt. Keep children away from the indoor unit.*
- 4 *Do NOT place any obstacles in front of the outdoor unit.*
- 5 *If the remote control will not be used for a long time, remove the batteries.*
- 6 *Users of this product are cautioned not to attempt repair of this product at their own discretion. Instead, they are requested to directly contact a designated service center or the outlet at which the product was purchased.*
- 7 *If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service centre.*
- 8 *This device must be installed according to the national electrical rules.*
- 9 *Before disposing of the remote control it is necessary to remove batteries.*
- 10 *The appliance is not intended for use by young children or infirm person without supervision; young children should be supervised to ensure that they do not play with the appliance.*

CAUTION

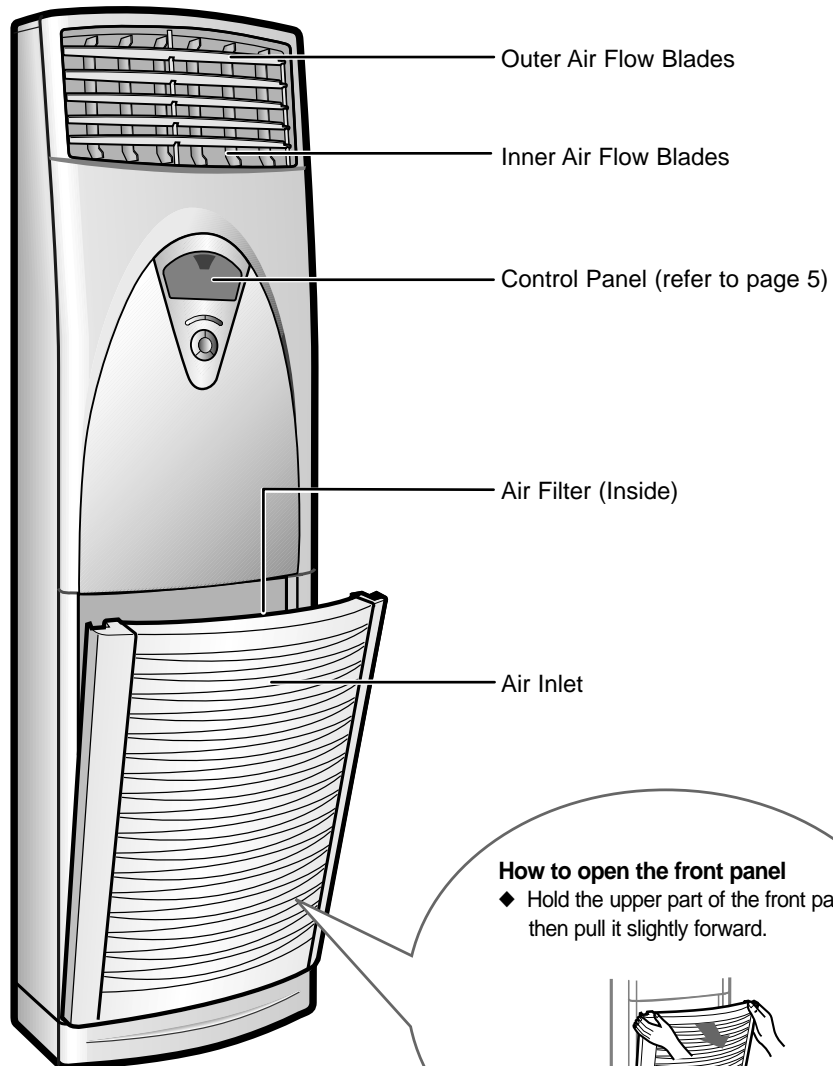
The manufacturer does not take any responsibility for any accidents that occur because the air conditioner is not fixed firmly or installed securely, during installing or using the product. In case you experience difficulty in installation, you must use an installation specialist. An accident will occur if the installation is not done as recommends in the installation guide.

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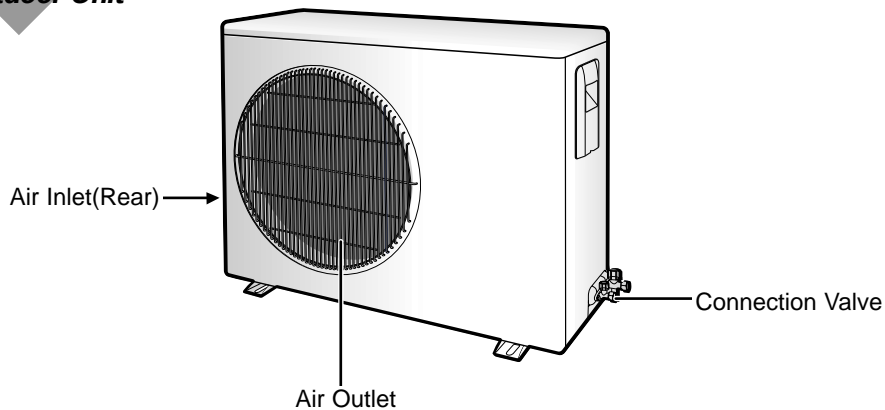
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View of the Unit

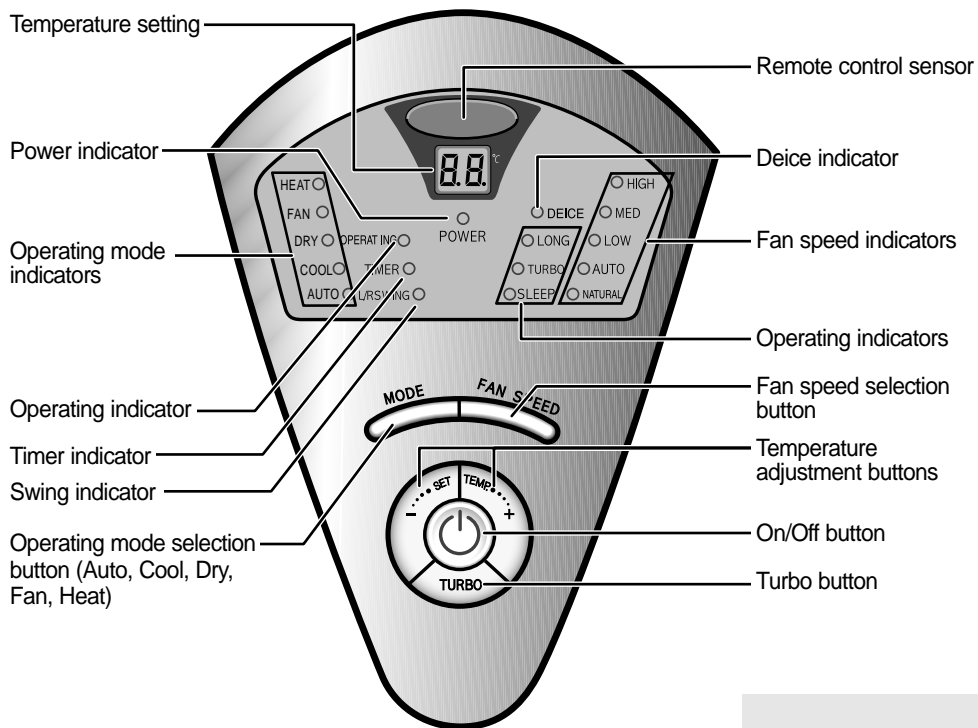
Indoor Unit



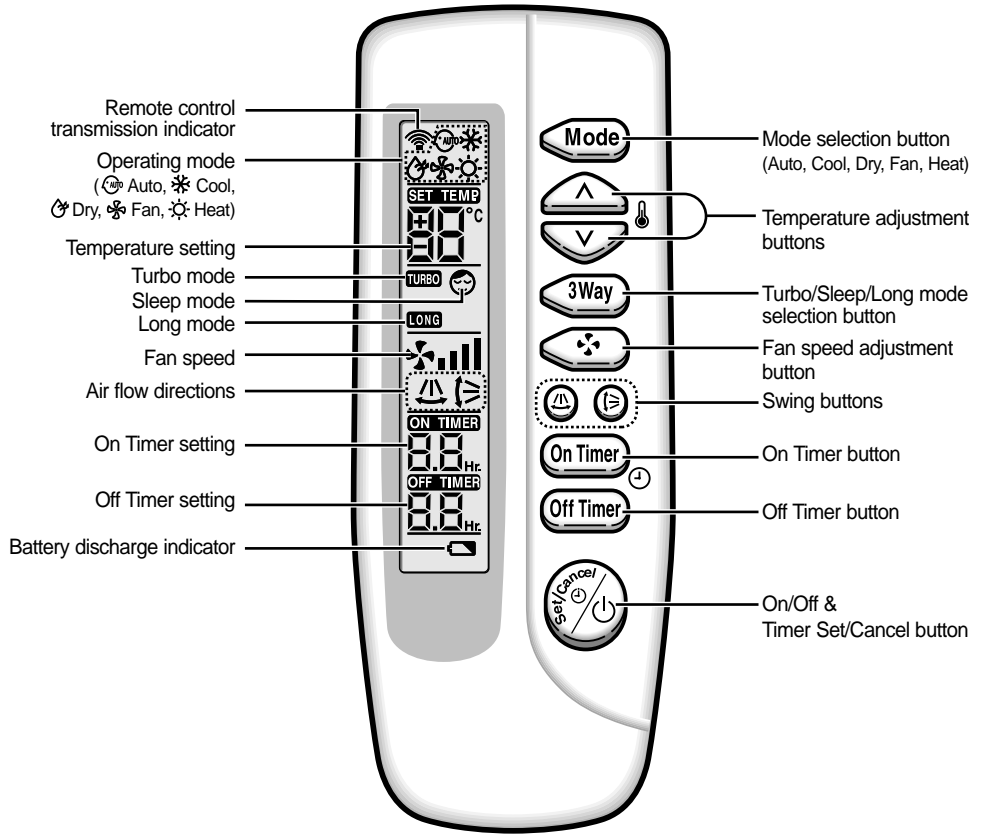
Outdoor Unit



Control Panel



Remote Control - Buttons and Display



Getting Started

You have just purchased a split-type packaged air conditioner and it has been installed by your installation specialist.

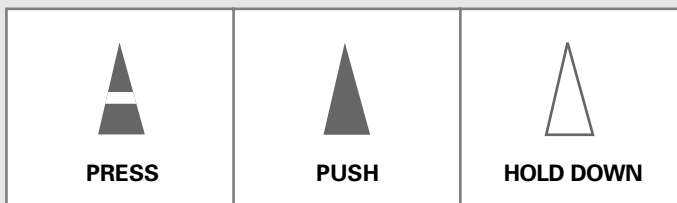
Your Owner's Instructions contains valuable information on using your air conditioner. Please take the time to read it as it will help you take full advantage of the unit's features.

The booklet is organized as follows.

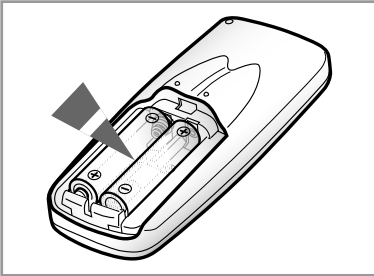
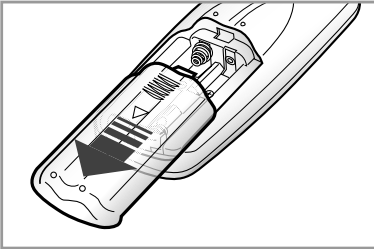
- ◆ *The following figures are shown on pages from 4 to 6 :*
 - *View of the unit*
 - *Remote control(buttons and display)**They will help you find the buttons and understand the symbols displayed.*

- ◆ *In the main part of the installation book, 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:



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 Push the battery cover on the rear of the remote control with your thumb in the direction of the arrow and remove it.
- 2 Insert the two batteries, taking care to respect the polarities :
 - ◆ + on the battery with + on the remote control.
 - ◆ - on the battery with - on the remote control.
- 3 Close the cover by sliding it back until it clicks into place.

Using the Control Panel on the Indoor Unit

You can operate with indoor unit when you do not wish to or cannot operate the air conditioner with the remote control.

You can use the AUTO, COOL, DRY, FAN and HEAT functions depending on your specific requirement. For further details on the functions, refer to pages 9~15.


Using the Remote Control

All features of the air conditioner can be controlled with the remote control.

Press any buttons depending on your specific requirements.

Selecting the Automatic Operating Mode

You can start the air conditioner in Automatic mode from your remote control. In the Automatic mode, the standard temperature and the optimum fan speed is selected automatically. You can adjust the standard temperature but not the fan speed.

- 1 If necessary, press the  (On/Off) button.


Result:

 - ◆ The POWER indicator on the indoor unit lights up.
 - ◆ The air conditioner starts up in the mode selected when the unit was last used.
 - ◆ The indoor unit beeps.

IMPORTANT The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:

- ◆ Plugged in
- ◆ Stopped

It will start up normally after three minutes.

- 2 If the  is not displayed at the top of the remote control, press the MODE button on the remote control one or more times until it appears.

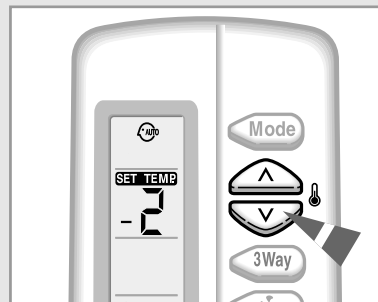
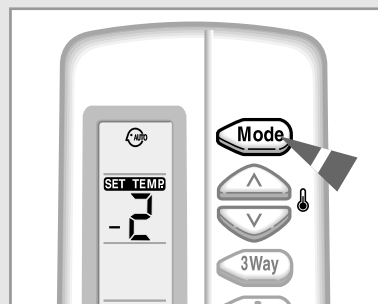
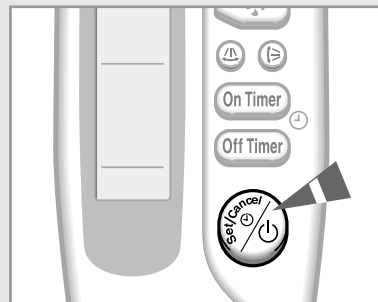
Result:

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

Note You can change modes at any time.

- 3 To adjust the standard temperature (The air conditioner automatically set the standard temperature by the current room temperature.), press the TEMPERATURE buttons one or more times.

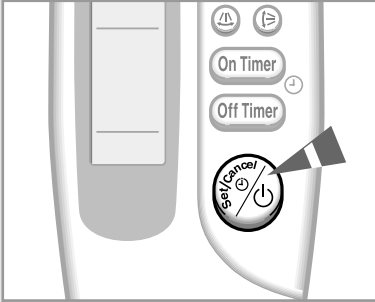
SET TEMP.	SET TEMP.	-	SET TEMP.	SET TEMP.
-2°C	-1°C	Standard temperature	+1°C	+2°C
< When you feel hot >			< When you feel chilly >	




Cooling Your Room

You must select the Cool mode if you wish to adjust the:

- ◆ **Cooling temperature**
- ◆ **Fan speed when cooling**



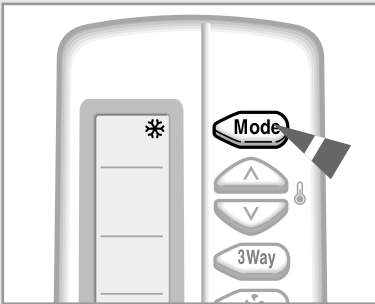
1 If necessary, press the  (On/Off) button.


- Result:**
- ◆ The POWER indicator on the indoor unit lights up.
 - ◆ The air conditioner starts up in the mode selected when the unit was last used.
 - ◆ The indoor unit beeps.

IMPORTANT The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:

- ◆ Plugged in
- ◆ Stopped

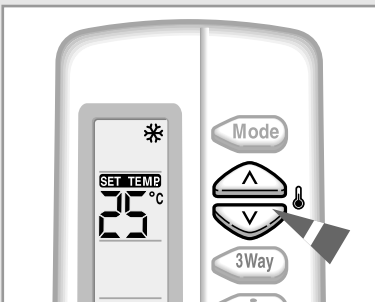
It will start up normally after three minutes.



2 If the  is not displayed at the top of the remote control, press the MODE button on the remote control one or more times until it appears.

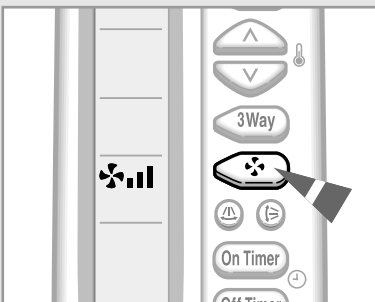
- Result:**
- ◆ The indoor unit beeps each time you press the MODE button.
 - ◆ The air conditioner runs in COOL mode.

Note You can change modes at any time.


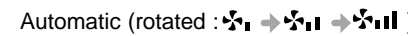





3 To adjust the temperature, press the TEMPERATURE buttons one or more times until the required temperature is displayed. Possible temperatures are between 18°C and 30°C inclusive.

- Result:**
- ◆ Each time you press the TEMPERATURE buttons:
 - The temperature is adjusted by 1°C
 - The indoor unit beeps
 - ◆ The air conditioner starts cooling, provided that the room temperature is higher than the selected temperature; the fan will, however, operate.



4 Select the fan speed by pressing the FAN button one or more times until the required setting is displayed:

-  Automatic (rotated : )
-  Low
-  Medium
-  High


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

5 To control the direction of the air flow, refer to pages 16 and 17.

Heating Your Room

You must select the Heat mode if you wish to adjust the:

- ◆ Heating temperature
- ◆ Fan speed when heating


1 If necessary, press the  (On/Off) button.

- Result:
- ◆ The POWER indicator on the indoor unit lights up.
 - ◆ The air conditioner starts up in the mode selected when the unit was last used.
 - ◆ The indoor unit beeps.

IMPORTANT The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:

- ◆ Plugged in
- ◆ Stopped

It will start up normally after three minutes.

2 If the  is not displayed at the top of the remote control, press the MODE button on the remote control one or more times until it appears.






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

Note You can change modes at any time.

3 To adjust the temperature, press the TEMPERATURE buttons one or more times until the required temperature is displayed. Possible temperatures are between 16°C and 30°C inclusive.

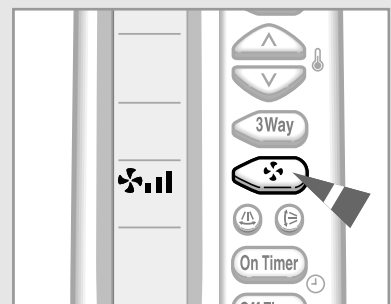
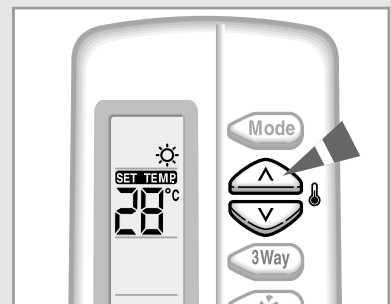
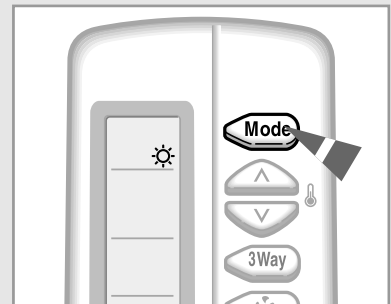
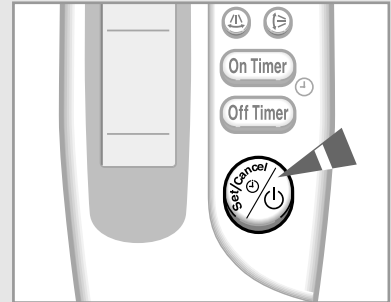
- Result:
- ◆ Each time you press the TEMPERATURE buttons:
 - The temperature is adjusted by 1°C
 - The indoor unit beeps
 - ◆ The air conditioner starts heating, provided that the room temperature is lower than the selected temperature; the fan will, however, operate.

4 Select the fan speed by pressing the FAN button one or more times until the required setting is displayed:

-  Automatic (rotated : )
-  Low
-  Medium
-  High

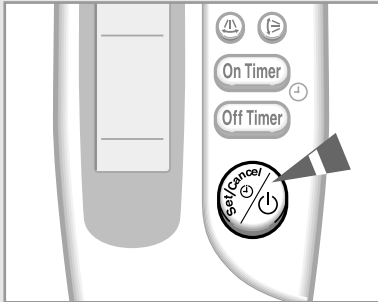
- Result:
- ◆ Each time you press the FAN button, the indoor unit beeps.
 - ◆ For the first 3 to 5 minutes, the fan does not operate until the air has been sufficiently warmed. Once the correct temperature has been reached, the fan will be automatically switched to the selected speed.


5 To control the direction of the air flow, refer to pages 16 and 17.



Removing Excess Humidity

If the atmosphere in your room is very humid or damp, you can remove excess humidity without lowering the room temperature too much.



- 1 If necessary, press the  (On/Off) button.

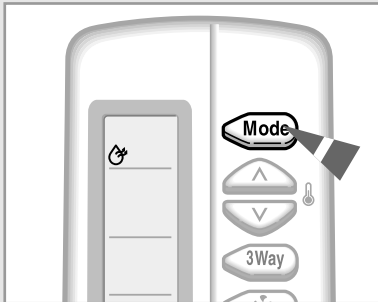
Result:


- ◆ The POWER indicator on the indoor unit lights up.
- ◆ The air conditioner starts up in the mode selected when the unit was last used.
- ◆ The indoor unit beeps.

IMPORTANT The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:

- ◆ Plugged in
- ◆ Stopped

It will start up normally after three minutes.

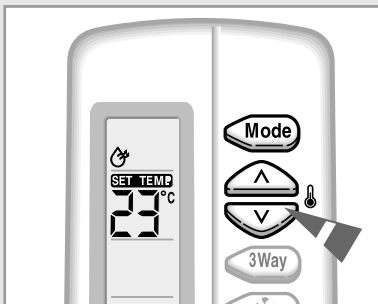


- 2 If the  is not displayed at the top of the remote control, press the MODE button on the remote control one or more times until it appears.

Result:

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

Note You can change modes at any time.



- 3 To adjust the temperature, press the TEMPERATURE buttons one or more times until the required temperature is displayed. Possible temperatures are between 18°C and 30°C inclusive.

Result:

- ◆ Each time you press the TEMPERATURE buttons:
 - The temperature is adjusted by 1°C
 - The indoor unit beeps
- ◆ The air conditioner starts removing the excess humidity; the quantity of air is adjusted automatically.


- 4 To control the direction of the air flow, refer to pages 16 and 17.

Changing the Room Temperature Quickly


The Turbo cooling/heating function is used to cool/heat your room as quickly as possible.


Example : *You have just come home and find that the room is very hot. You wish to cool it down as quickly as possible.*



The Turbo function operates for 30 minutes with the maximum settings before returning automatically to the mode and temperature previously selected.

1 If necessary, press the  (On/Off) button.

- Result:**
- ◆ The POWER indicator on the indoor unit lights up.
 - ◆ The air conditioner starts up in the mode selected when the unit was last used.
 - ◆ The indoor unit beeps.

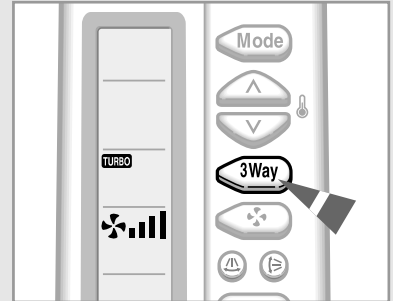
2 Press the  button one or more times until **TURBO** is displayed on the remote control.

- Result:**
- ◆ The temperature and fan settings are adjusted automatically.
 - ◆ The air conditioner cools/heats the room as quickly as possible.
 - ◆ After 30 minutes, the air conditioner is reset automatically to the previous mode, temperature and fan settings.
- But, if you press the  button in DRY or FAN mode, it will change to AUTO mode automatically.

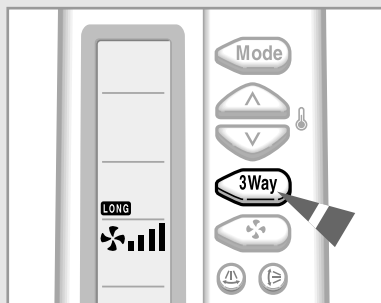
3 If you wish to stop the Turbo function before the end of the 30-minute period, press the  button one or more times until **TURBO** ,  or **LONG** disappears.

- Result:** The air conditioner is reset automatically to the previous mode, temperature and fan settings.


4 To control the direction of the air flow, refer to pages 16 and 17.



Selecting the Long Function




You can use the Long cooling/heating function when you wish to make the cool/warm air run to every corner in your room, especially when you are away from the air conditioner.


- 1 If necessary, press the  (On/Off) button.

Result:

- ◆ The POWER indicator on the indoor unit lights up.
- ◆ The air conditioner starts up in the mode selected when the unit was last used.
- ◆ The indoor unit beeps.



- 2 Press the  button one or more times until **LONG** is displayed on the remote control.

Result:

- ◆ The temperature and fan settings are adjusted automatically.
- ◆ The air conditioner cools/heats the room as far as possible.
- ◆ If you press the  button in DRY or FAN mode it will change to AUTO mode automatically.

Note

You cannot adjust the outer air flow blades when the Long function is selected.

- 3 If you wish to stop the Long function, press the  button one or more times until **LONG**, **TURBO** or  disappears.


Result:

The air conditioner is reset automatically to the previous mode, temperature and fan settings.

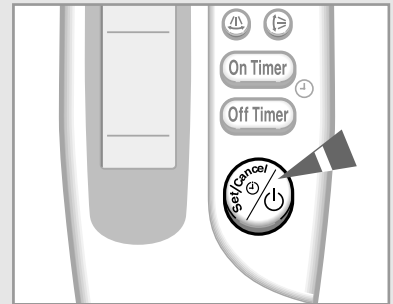
- 4 To control the direction of the air flow, refer to pages 16 and 17.


Airing Your Room

If the atmosphere in your room is stale, you can air the room using the Fan feature.

1 If necessary, press the  (On/Off) button.

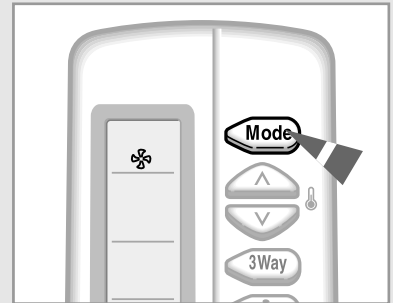
- Result:**
- ◆ The POWER indicator on the indoor unit lights up.
 - ◆ The air conditioner starts up in the mode selected when the unit was last used.
 - ◆ The indoor unit beeps.






2 If the  is not displayed at the top of the remote control, press the MODE button on the remote control one or more times until it appears.

- Result:**
- ◆ The indoor unit beeps each time you press the MODE button.
 - ◆ The air conditioner runs in FAN mode.
 - ◆ The temperature is set automatically.

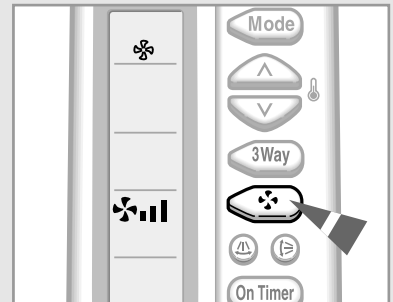
Note You can change modes at any time.



3 Select the fan speed by pressing the FAN button one or more times until the required setting is displayed:

-  Low
-  Medium
-  High

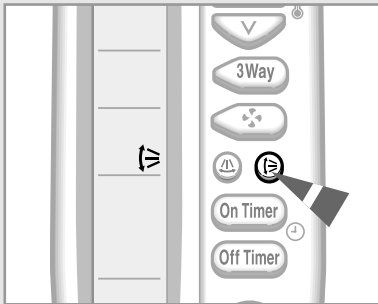
Result: Each time you press the FAN button, the indoor unit beeps.




4 To control the direction of the air flow, refer to pages 16 and 17.

Adjusting the Air Flow Direction Vertically



You can adjust the position of the outer air flow blade on the upper part of the unit, thus increasing the efficiency of the air conditioner.



- 1 Press the  button one or more times as required.
Result: The outer blade is adjusted vertically.


RECOMMENDATION

When...	Adjust the blade to face...
Cooling	Upwards.
Heating	Downwards.


- 2 If you want the blade to move up and down automatically when the air conditioner is operating, press the  button.
Result: The blades move up and down, around the base position set.
- 3 To stop the blade moving up and down, press the  button again.

Adjusting the Air Flow Direction Horizontally


Just as the outer air flow blade can be adjusted vertically, the inner blades can be adjusted horizontally.

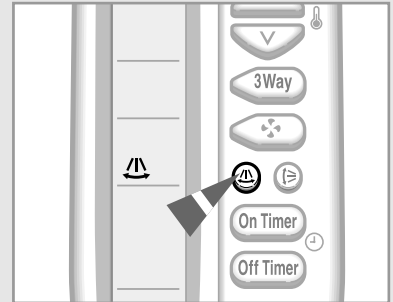
- 1 Press the  button one or more times as required.

Result: ◆ The inner blade is adjusted horizontally.

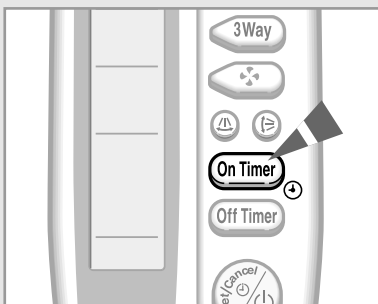
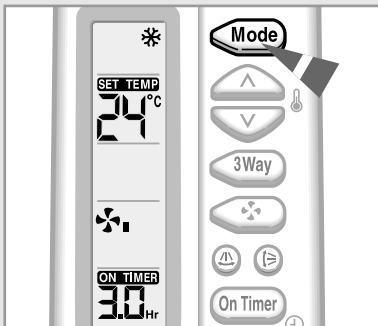
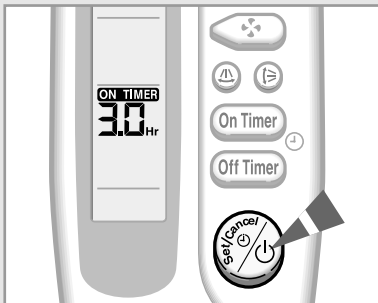
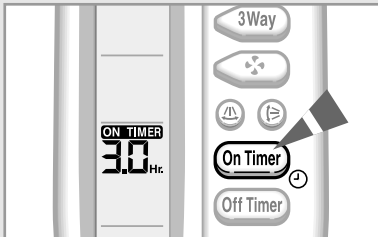
- 2 If you want blade to move left and right automatically when the air conditioner is operating, press the  button.

Result: ◆ The blades move left and right, around the base position set.



- 3 To stop the blade moving left and right, press the  button again.




Setting the On Timer




The On Timer enables you to switch on the air conditioner automatically after a given period of time. You can set the period of time from 30 minutes to 24 hours.

- 1 To set the operating time, press the ON TIMER button one or more times until the required time is displayed. Possible time is between 0.5 hour and 24 hour inclusive.
- 2 Press the  (Set/Cancel) button to complete the setting.
Result:
 - ◆ The remaining time is displayed.
 - ◆ Blinking of the timer indicator stops.
 - ◆ The selected mode and the temperature on the display disappear after 10 seconds.
 - ◆ The air conditioner will switch on automatically when the counter displayed on the remote control reaches the set time and disappears the On timer setting.
- 3 To select an operating mode in advance, press the  button until the desired mode is displayed at the top of the remote control.
Result:
 - ◆ The air conditioner will run in the selected mode when it is turned on.

To Cancel the On Timer


- 1 To cancel the On Timer, press the ON TIMER button one or more times until the timer setting disappears.
- 2 Press the  (Set/Cancel) button.

Note If you want to turn on the air conditioner before the timer reaches the setting time, press the  (On/Off) button.

Setting the Off Timer

The Off Timer enables you to switch off the air conditioner automatically after a given period of time. You can set the period of time from 30 minutes to 24 hours.



- 1 To set the operating time, press the OFF TIMER button one or more times until the required time is displayed. Possible time is between 0.5 hour and 24 hour inclusive.

- 2 Press the  (Set/Cancel) button to complete the setting.

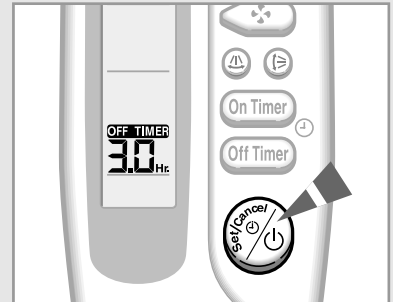
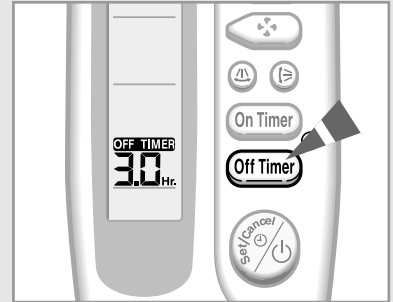
Result:

- ◆ The remaining time is displayed.
- ◆ Blinking of the timer indicator stops.
- ◆ The air conditioner will switch off automatically when the counter displayed on the remote control reaches the set time and disappears the Off timer setting.

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 TIMER button until '2.0 Hr' is displayed.
2. Press the  (Set/Cancel) button.
3. Press the OFF TIMER button until '4.0 Hr' is displayed.
4. Press the  (Set/Cancel) button.


Note You can see or change the setting mode and/or the temperature by pressing the MODE button or the TEMPERATURE buttons after setting the Off timer.

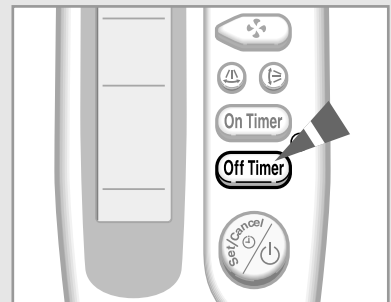


To Cancel the Off Timer

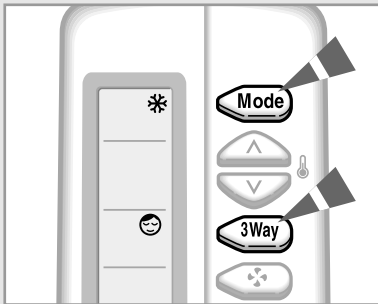
- 1 To cancel the Off Timer, press the OFF TIMER button one or more times until the timer setting disappears.

- 2 Press the  (Set/Cancel) button.

Note If you want to turn off the air conditioner before the timer reaches the setting time, press the  (On/Off) button.



Setting the Sleep Timer



The Sleep Timer can be used when you are cooling/heating your room to switch the air conditioner off automatically after a period of six hours.

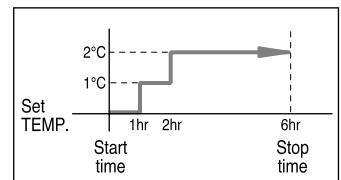
Note If you wish to switch the unit off at a specific time, refer to page 19.

- 1 If the ❄️ or ☀️ is not displayed at the top of the remote control, press the MODE button on the remote control one or more times until it appears.
- 2 Press the 3Way button one or more times until 😊 appears on the remote control.

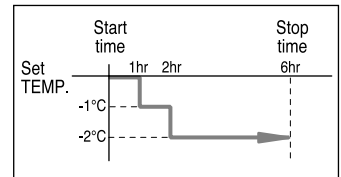
Result:

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

Cooling The desired temperature is increased by 1°C every hour. When it has been increased by 2°C (after two hours), the temperature is maintained for four hours.



Heating The desired temperature is decreased by 1°C every hour. When it has been decreased by 2°C (after two hours), the temperature is maintained for four hours.

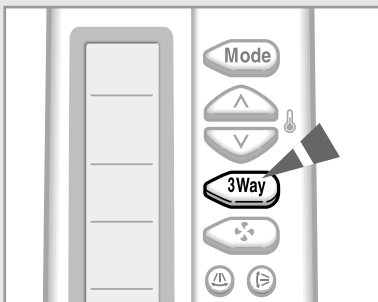


To Cancel the Sleep Timer

If you no longer wish to use the Sleep Timer that you have set, you can cancel it at any time.


Press the 3Way button.

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



Operating Recommendations

Here are a few recommendations that you should follow when using your air conditioner.

Topic	Recommendation
Heating performances	The heat pump inside the air conditioner absorbs heat from outside air and brings it indoors. If the temperature of the outside air drops, the air conditioner will heat less. If you find that the room is not warm enough, use an additional heating appliance.
Warm air circulation	The air conditioner circulates warm air to heat your room; as a result, some time will be required after starting the air conditioner to warm the entire room. If necessary, set the air conditioner on before you wish to use the room.
Frost	<p>When outside temperatures are low and humidity is high, frost may form in the outdoor unit when heating is selected.</p> <p>If this happens:</p> <ul style="list-style-type: none"> ◆ The heating operation is stopped. ◆ The Deice mode is triggered automatically for about seven minutes. <p>No intervention is required from you; after about seven minutes, the air conditioner starts operating again normally.</p>
High indoor and outdoor temperatures	If both the indoor and outdoor temperatures are high and you select the 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 when the air conditioner is operating, the unit is switched off. When the power returns, you must press the  (ON/OFF) button to restart it.

Temperature and Humidity Ranges

The following table indicates the temperature and humidity ranges within which the air conditioner can be used.

If the air conditioner is used at...	Then...
High temperatures	The automatic protection feature may be triggered and the air conditioner stopped.
Low temperatures	A water leak or some other malfunction may occur if the heat exchanger freezes.
High humidity levels	Water may condense on and drip from the surface of the indoor unit if it is used for long periods.

Mode	Outdoor Temperature	Indoor Temperature	Indoor Humidity
Heating	0°C to 24°C approx.	27°C or less.	-
Cooling	21°C to 43°C approx.	18°C to 32°C approx.	80% or less
Drying	18°C to 43°C approx.	18°C to 32°C approx.	-

- ※ **If the heating operation is used at below 0°C(outdoor temperature) then, it does not heat as its full capacity.**
If the cooling operation is used at over 33°C(indoor temperature) then, it does not cool as its full capacity.

Power Supply		AC 220-240V~, 50Hz
Capacity	COOL	25800BTU/h
	HEAT	29800BTU/h
Current	COOL	12.0A
	HEAT	12.5A
Input Power	COOL	2600W
	HEAT	2800W
Max Current	COOL	15.0A
	HEAT	19.0A
Refrigerant		R-22 / 2150g

- ※ Current and input power are measured according to ISO standard and max current is measured according to IEC standard.

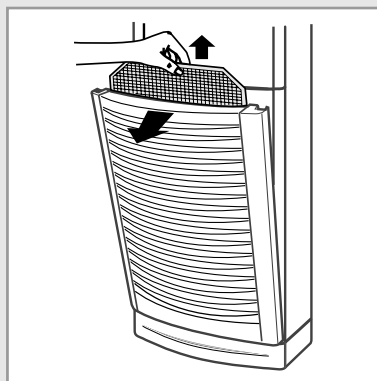
Cleaning Your Air Conditioner

To get the best possible use out of your air conditioner, you must clean it regularly by two weeks to remove the dust that accumulates on the air filter.

IMPORTANT Before cleaning your air conditioner, ensure that you have switched off the breaker used for the unit.







- 1 Hold the upper part of the front panel, then pull it slightly forward.
- 2 Hold the edge of the air filter under the front panel and pull to release them.
- 3 Remove all dust on the air filter with a vacuum cleaner or brush.
- 4 Clean the front panel with a damp cloth and mild detergent (do NOT use benzene, solvents or other chemicals).
- 5 Reassemble the air filter and the front panel.

Note ♦ **If you have not used the air conditioner for a long period of time, set the fan going for three to four hours to dry the inside of the air conditioner thoroughly.**



Solving Common Problems

Before contacting the after-sales service, perform the following simple checks. They may save you the time and expense of an unnecessary call.

Problem	Explanation/Solution
The air conditioner does not operate at all.	<ul style="list-style-type: none"> ◆ Check that the breaker used for the air conditioner is switched on. ◆ Check that the POWER indicator on the indoor unit is on; if necessary press the  (On/Off) button on the remote control. ◆ Check whether the TIMER indicator on the indoor unit is switched on. If so: <ul style="list-style-type: none"> - Wait until the switch-on time is reached and the air conditioner starts up automatically - Cancel the timer (see pages 18~20 for further details)
The air conditioner does not operate with the remote control.	<ul style="list-style-type: none"> ◆ Check that there are no obstacles between you and the indoor unit. ◆ Check the remote control batteries. ◆ Check that you are close enough to the indoor unit (seven metres/ yards or less).
No beep is heard when you press the  (On/Off) on the remote control.	<ul style="list-style-type: none"> ◆ Check that you are pointing the remote control at the remote control sensor on the control panel 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 that the correct operating mode has been selected (AUTO, COOL, HEAT). ◆ The room temperature may be too low or too high. ◆ Dust may be blocking the air filter guard; refer to page 23 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 that the required temperature has been set correctly. ◆ Increase the fan speed. ◆ If the air flow is directed downwards, use the remote control to direct it upwards.
The fan speed does not change when you press the  button.	<ul style="list-style-type: none"> ◆ Check that the operating mode is set to COOL, HEAT or FAN ; in the AUTO, TURBO and LONG mode, the fan speed changes automatically and in the DRY mode, it is set to AUTO.
The air flow direction does not change when you press the  or  button.	<ul style="list-style-type: none"> ◆ Check that the air conditioner has been switched on; if necessary, press the  (On/Off) button on the remote control.
The timer is not correctly triggered.	<ul style="list-style-type: none"> ◆ Check that the timer has been programmed correctly; see pages 18~20.
Odours are permeated in the room during air conditioning.	<ul style="list-style-type: none"> ◆ Air the room.

Technical Specifications

Model	Power Supply
PH28ZA1 APH2840E	220-240V~, 50Hz

**THIS AIR CONDITIONER IS MANUFACTURED BY:
ESTE AIRE ACONDICIONADO HA SIDO FABRICADO POR:
QUESTO CONDIZIONATORE D'ARIA È PRODOTTO DA:
ESTE APARELHO DE AR CONDICIONADO É FABRICADO POR:
CE CLIMATISEUR EST FABRIQUE PAR:
DIESE KLIMAANLAGE IST FABRIZIERT VON:**



ELECTRONICS