

USER'S MANUAL

AW07PH Series	AW07PK Series
AW08PH Series	AW08PK Series
AW09PH Series	AW09PK Series
AW10PH Series	AW10PK Series
AW12PH Series	AW12PK Series
AW14PH Series	AW14PK Series
AW18PH Series	AW18PK Series
AW24PH Series	AW24PK Series
AW122PB	

Window-type Room Air Conditioner (Cooling)



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

Safety Precautions

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

MARNING	 Risk of electric shock. • Can cause injury or death. • Disconnect all remote electric power supplies before servicing, installing or cleaning. This must be done by the manufacturer or its service agent or a similar qualified person in order to avoid a hazard.
DURING OPERATION	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.
*	Never spill any kind of liquid into the unit. Should this happen, unplug or main switch off the unit and contact an authorized service center.
*	Do not insert anything between the air outlet blades because the inner fan may be damaged and could cause injury. Keep children away from the unit.
•	Do not place any obstacles in front of the unit.
*	Do not spray 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.
*	Make sure that the unit is correctly ventilated at all times: Do not place clothing or other materials over it.
*	If the wireless remote control will not be used for a long time, remove the batteries. (If applicable)
*	When using a wireless remote control, the distance should not be more than 7 meters from the air conditioner. (If applicable)
•	The air conditioner must be plugged into its own specific power source, which must be installed in compliance with national wiring,earthing and safety regulations.
*	If the power cord is damaged in any way, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
♦	This device must be installed according to the national electrical rules.
*	The appliance must be installation that the plug should be easily accessible after installation.
•	If the fuse on PC board is broken please change it with the type of T 3.15A 250V.
*	The breaker of the air conditioner should be all-pole switch; and the distance between its two contacts should be no less than 3.5mm. Such means for disconnection must be incorporation in the fixed wiring.
DISPOSING OF THE UNIT	Before throwing out the device, it is necessary to pull back the battery cells and get rid of them safely for recycling reasons.
•	When you need to dispose of the unit, consult your dealer. If pipes are removed incorrectly, refrigerant may blow out and come into contact with your skin,causing injury. Releasing refrigerant into the atmosphere also damages the environments.
*	Please recycle or dispose of the packaging material for this product in an environmentally responsible manner.
OTHERS +	Never store or ship the air conditioner upside down or sideways to avoid damage to the compressor.
•	The appliance is not intended for use by young children or infirm persons without supervision: Young children should be supervised to ensure that they do not play with the appliance.
*	Max current is measured according to IEC standard for safety and current is measured according to ISO standard for energy efficiency.

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CAUTION

"The high inrush current of the starting compressor motor can have adverse effects to the operation of other equipment under unfavorable mains conditions. This equipment does not comply with the relevant technical standards for the limitation of voltage fluctuations and flicker."

Before connection this equipment to the power supply system, please report to your suply authority and obtain the consent.

Do not connect other electric appliances to the same supply lines.

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The maximum permissible system impedance at the power junction box is 0.24 ohms. Usually, the maximum permissible mains impedance will not be exceeded when the branch to the power outlet is fed from a junction box with a rated current of 32A.

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Air Conditioning Unit - Main Parts, Buttons and Display



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Remote Control - Buttons



Getting Started

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

Your Owenr's Instructions contain valuable information on using your air conditioner. Please take the time to read them as they will help you take full advantage of the unit's functions. This Owner's Instructions is just for using your air conditioner correctly. Thus, the illustrations shown in this manual may not exactly match your air conditioners.

The booklet is organized as follows.

- The following figures are shown on pages 4 and 5:
 - Air conditioning unit (main parts, buttons and display)
 - Remote control (buttons)

They will help you find the buttons and understand the symbols displayed.

◆ In the manual, you will find a series of step-by-step procedures for each function available.

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



Moreover, applicable, wherever the illustrations show the positions of the buttons on both the remote control and the unit itself.

For the	The illustrations have a	
Remote control	Gray background. Example:	
Unit itself	White background. Example:	



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 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 unitl it clicks into place.
 - <u>Result:</u> You can control all the functions your air conditioning unit directly from your seat, using the remote control.







Cooling Your Room



Airing Your Room

If the atmosphere in your room is stale, you can air it using the Fan feature and if necessary, evacuate the stale air outside.

1 If you wish to evacuate stale air outside, push the ventilation lever on the front of the unit to the right and the open position (≦)). <u>Result:</u> The air inside the room circulates and stale air is evacuated outside.

Otherwise, push the ventilation lever to the left and the closed position (P).

- <u>Result:</u> The air simply circulates inside the room.
- 2 If necessary, press the () (On/Off) button.
 - <u>Result:</u> The air conditioner starts up in the Cool mode.
 - The unit beeps twice.
- 3 If the FAN indicator is not lit up on the unit:
 - Press the Fan button on the remote control or
 - Press the Mode button on the unit one or more times until the FAN indicator lights up
 - <u>Result:</u> The unit beeps each time you press the Fan / Mode button.
 - The air conditioner starts up in Fan mode.
 - You can change modes at any time. When the air conditioner is in the Fan mode, the temperature is not dis played; in this case, you do not need to set the temperature.



Remote Control

Control Panel

Power







4 To set the fan speed to... Then...

- Press the High , Med or Low button on the remote control as desired.
 or
- Press the Fan Speed button on the unit one or more times until the desired fen speed(F1, F2, or F3) is displayed.
 - F 1: Low Speed
 - F2: Med Speed
 - F3: High speed

5 To control the direction of the air flow, refer to page 11.



Removing Excess Humidity



Adjusting the Air Flow Direction Horizontally

Depending on the position of the unit in your room, you can adjust the orientation of the inner air flow blades on the right-hand side of the unit, thus increasing the efficiency of the air conditioner.

Remote Control Control Panel

Press the (1) (or (Air swing) on the unit) button on the remote control.
 <u>Result:</u> The inner blades swing automatically left and right.



- ² To stop the blades moving left and right, press the (1) (or Arswing on the unit) button in the remote control.
 - > To stop the blades in a specific position and orient the air flow in the
 - corresponding direction, simply press the (Δ) (or Ar swing on the unit) button on the remote control when the blaces are in the desired position.

Adjusting the Air Flow Direction Vertically

Again depending on the position of the unit in your room, you can adjust the orientation of the outer air flow blades on the right-hand side of the unit.

RECOMMENDATION

When... Adjust the blades to face...

Cooling Upwards.

Adjust the air flow blades to the desired position, by pushing them upwards or downwards.

- If you orient the air flow blades downwards and the unit operates in Cool mode for a long period of time, dew may:
 - From on the surface of the blades
 - Drip from the blades





Setting the On Timer



The On Timer enables you to switch on the air conditioner automatically after a given period time. You can set the period of time from 1 hour to 24 hours. You can select the On Timer only when the air conditioner is off.

- 1 Check that the air conditioner has been switched off; if necessary, press the () (On/Off) button.
- 2 Set the operating time by pressing:

• (Timer) on the remote control.



Timer on the unit one or more times.
 Possible time is between 1 hour and 24 hours inclusive.

- <u>Result:</u> The remaining time is displayed and decreased by 1 hour automatically to indicate the remaining time.
 - The air conditioner switches on automatically when the operating time reaches zero.

> You can change the fan speed and others after setting the On Timer.



To Cancel the On Timer

To cancel the On Timer, press:

- Time on the remote control or Time on the unit one or more times until
 " " is displayed.
 - or
- (On/Off) button on the remote control or unit.



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 1 hour to 24 hours. You can select the Off Timer only when the air conditioner is on.

- 1 Check that the air conditioner has been switched on; if necessary, press the $\binom{1}{}$ (On/Off) button.
- Remote Control Control Panel

- Set the operating time by pressing:
 Time on the remote control.
 - or
 - Timer on the unit one or more times.

Possible time is between 1 hour and 24 hours inclusive.

- <u>Result:</u> The remaining time is displayed and decreased by 1 hour automatically to indicate the remaining time.
 - The air conditioner switches off automatically when the operating time reaches zero.
- You can change the fan speed and air flow direction and others after setting the Off Timer.

To Cancel the Off Timer

To cancel the Off Timer, press:

Timer on the remote control or Timer on the unit one or more times until
 " Is displayed.

or

(On/Off) button on the remote control or unit.





Selecting Good Sleep Mode

Remote Control Control Panel





The Good Sleep function can be set whether the air conditioner is switched on or off, and this function can be selected for any mode.

Press the 💿 button on the remote control <u>or</u>

Press the see button on the unit .

- <u>Result:</u> Each time you press a butoon, the unit beeps.
 - ◆ The indicator and " [] " will be displayed.
 - The remaining time is displayed and decreased by 1 hour automatically to indicate the remaining time.
 - If Good Sleep is selected after switching on the unit ,the air conditioner will run in Cool mode.During this period, the temperature displayed is one you set for the Cool mode. If the Good Sleep is selected before switch on the unit, the air conditioner starts running in Cool mode and the temperature is set to 26 °C.
 - The fan is running in low mode, and you can adjust the speed.

To Cancel the Good Sleep Mode

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



Press the 🕘 button on the remote control.	
$\mathrm{\underline{or}}$ press the $$ button on the unit to switch off the air conditioner.	
To cancel a selected Good Sleep mode, you can also press the , (Imer), (Fan) or (Dry) button on the remote control	Ø)
or press the seed, Esaver, Mode or Timer button on the unit.	
 The unit beeps. 	
 The ³/₂ indicator is no longer displyed. 	
 The air conditioner operates in the mode selected last. 	
If you select the Energy Saving mode in the Good Sleep mode, the Good Sleep mode will be canceled and the air conditioner will start up in the Energy Saving mode.	
	or press the (b) button on the unit to switch off the air conditioner. To cancel a selected Good Sleep mode,you can also press the (c), (c), (c), (c), (c), (c), (c), (c),



Selecting Energy Saving Mode

If you wish to save Energy when using your air conditioner, select the Energy Saving mode with the Energy Saver button.

- 1 To select the Energy Saving mode, press the Energy Saver button on the remote control or unit one or more times until the Energy Saver indicator lights up.
 - <u>Result:</u> The fan and compressor cycle on and off together.
 The fan will continue to run for a short time after the compressor cycles off.
- 2 To stop the Energy Saving mode, press the Energy Saver button on the remote control or unit again.
 - Result: The fan runs at all times, while the compressor cycles on and off.
 - If you select the Good Sleep mode in the Energy Saving mode, the Energy Saving will be cancelled and the air conditioner will start up in the Good Sleep mode.

Temperature and Humidity Ranges

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

Mode	IndoorTemperature	OutdoorTemperature	Indoor Humidity	
Cooling	21°C to 32°C approx	. 21°C to 43°C approx.	80% or less	
If the air conditione	er is used at	Then		
Higher temperatures		The automatic protection feature i conditioner stopped.	may be triggered and the air	
Lower temperatures A water leakage or some other malfunction may happen if heat exchanger freezes.		alfunction may happen if the		
Higher humidity levels		Water way condense on and drip from the surface of the unit if it is used for long periods.		

Remote Control Control Panel





Cleaning Your Air Conditioner

Be sure to clean the air filter periodically to maintain the air conditioner in the best condition for a long period of time.

WPORTANT When cleaning the air conditioner, turn it off and pull out the power plug.







The air conditioner has two or three grille grooves depending on the model.

- 1 Hold the front grille handle, slightly pull it to the left side and open the front grille.
 - The removal of the front grille makes it easier to clean the air conditioner. Open the grille as much as possible.

CAUTION

Removal and Reassembly of the Front Grille

For user's safety, a safety clip has been installed in the front grille.

- 1 Grasp the lower part of the front grille and the front grille handle, then open the grille. (The open angle of front grille has not to be exceeded 25 degree)
- 2 Lift the front grille slightly and remove it from the front panel.
- 3 Reassembling of front grille should be done in reverse order of disassembly.



2	Pull the a	ir filter to	the i	right side.
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≻

- 3 Remove all dust on the air filter with a vacuum cleaner or brush.
 4 When you have finished, insert the air filter back into its original position.
- 5 Wipe the surface of the unit with a neutral detergent and then wipe it again with dry cloth.

(Be sure not to use benzene, solvent or other chemical products.)

lf you	Then	
Will not be using the air conditioner for a long period of time	 Set the fan going for a few hours to dry the inside of the air conditioner thoroughly. Switch the air conditioner off and unplug it from the wall socket. Clean the filter and outer surfaces. 	
Have not used the air conditioner for a long period of time	Set the fan going for a few hours to dry the inside of the air conditioner thoroughly.	

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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 service call.

Problem Explanation/Solution			
The air conditioner does not operate at all	 Check that the circuit breaker used for the air conditioner has not been triggered. 		
	 Check that the power cable is plugged into a wall socket and the socket is switched on, if necessary. 		
	 Check that the operating mode indicator (COOL or FAN) on the unit is lit up; if necessary press (On/Off) button on the remote control or unit. 		
The air conditioner does not	 Check that there are no obstacles between you and the unit. 		
operate with the remote control	 Replace the remote control batteries if necessary. 		
	 Check that you are close enough to the unit (seven metres/yards or less). 		
No beep is heard when you press	 Check that you are pointing the remote control at the remote 		
(I) (On/Off) on the remote control	control sensor on the unit.		
	 Replace the remote control batteries if necessary. 		
The air conditioner does not cool	Check that the correct operating mode has been selected COOL		
	 The room temperature may be too low. 		
	 Dust may be blocking the air filter; refer to page 16 for cleaning instructions. 		
	 Check that there is no obstacle blocking the air flow into or out of the unit. 		
The air flow direction does not	 Check that the air conditioner has been switched on; if necessary, 		
change when you press the	press $(\bigcup$ (On/Off) button on the remote control or unit.		
or Arswing on the unit button			
The timer is not correctly triggered	 Check that the timer has been programmed correctly; acc page 12, 12 		
	see page 12~13.		
Odour is permeated in the room during air conditioning	 Air the room. 		



Technical Specifications

Voltage & Frequecy	Capacity	Power Consumption	Operating Current
	40000 DT 11/	(000)(
- ,			11,2A
220V~, 60Hz	12000BTU/h	1230W	5,5A
220V~, 60Hz	18000BTU/h	1850W	8,3A
220V~, 60Hz	24000BTU/h	2820W	12,5A
115V~, 60Hz	12000BTU/h	1110W	10,0A
220V~, 60Hz	12000BTU/h	1110W	5,2A
	Frequecy 115V~, 60Hz 220V~, 60Hz 220V~, 60Hz 220V~, 60Hz	Frequecy Capacity 115V~, 60Hz 12000BTU/h 220V~, 60Hz 12000BTU/h 220V~, 60Hz 18000BTU/h 220V~, 60Hz 24000BTU/h 115V~, 60Hz 12000BTU/h	Frequecy Capacity Consumption 115V~, 60Hz 12000BTU/h 1230W 220V~, 60Hz 12000BTU/h 1230W 220V~, 60Hz 18000BTU/h 1850W 220V~, 60Hz 24000BTU/h 1850W 15V~, 60Hz 24000BTU/h 1820W 115V~, 60Hz 12000BTU/h 1110W

Design and specifications are to change without notice



Installation (for 60Hz)

- 1 Electrical Requirements For personal safety:
 - This appliance must be properly grounded.
 - Do not, under any circumstances, cut or remove the third grounding prong from the power cord.
 - We recommend that you do not use an extension cord or an adapter plug with this appliance.
 - Do not change the plug on the power cord of this appliance.
 - Follow national electrical codes or local codes and ordinances.



- If the electric supply provided does not meet the above specifications, call a licensed electrician.
- Aluminum house wiring may pose special problemsconsult a qualified electrician.
- This unit requires a separate circult, serving only this appliance.





Before installation, be sure to check the installation area or the air conditioner, and drain hose.

Checkpoints prior to installation

- 1 Check the cabinet and front grille of the unit for any harmful defects such as scratches.
- 2 Be sure to check the power supply. - Refer to the specifications on the label attached to the unit.

Installation Conditions

1 As the unit is heavy, the wall or window of the installation area should have sufficient strength and durability for operation of the air conditioner, and for prevention of any vibration or noise.
If the unreal superior operation of the air conditioner operation.

If it is weak, reinforcement work should be performed separately.

- 2 It is advisable to install the air conditioner in the north or west side to prevent the effect of direct sunlight.
 When installing it in the south or east side due to unavoidable circumstances, it is advisable to install the sunshade to prevent the direct sunlight.
 In this case, take care not to cause any hindrance to the flow of outside air.
- 3 When installing the air conditioner, be sure to obtain sufficient space on the rear side of the unit for smooth flow of air. When operating the air conditioner in closed areas such as inner building with cooling operation, and result in trouble with the unit. See the illustration below.



Installation (cont.)

In some region, drain tube and drain pan may not be supplied. Plesae contact the sales agent.

Installation of the Drain Tube Fix the drain tube as shown in the figure.



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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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MEXICO	01-800-SAMSUNG (7267864)	www.samsung.com/mx
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BRAZIL	0800-124-421 4004-0000	www.samsung.com/br
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