

A decorative floral pattern in the top left corner of the page, featuring stylized leaves and flowers.

Split Air Conditioner

User's manual

For air conditioners:

AWI/AWO-21HPR1 Delta


AWI/AWO-25HPR1 Delta

AWI/AWO-32HPR1 Delta

AWI/AWO-53HPR1 Delta

AWI/AWO-65HPR1 Delta

Thank you for choosing our air conditioner, please read this owner's manual carefully before operating the unit and keep it carefully for consultation

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◆ Notices for operation

Please read the following carefully before operating



★ When the voltage is very high, the

components would be easily damaged, when the voltage is very low, the compressor vibrates terribly and that the refrigerant system will be damaged, the compressor and electric components cannot work, the voltage should be stable; there shouldn't be big fluctuation.

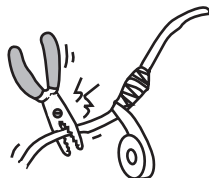


★ Be sure to pull out the power plug as

the air conditioner not in use for a long time. Otherwise, the accumulated dusts that may cause over heating or fire.



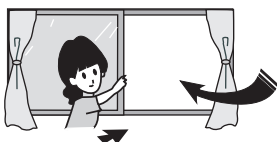
★ Never splice the power cord or use an extended cord.



It can cause overheating or fire.

★ Don't leave windows and doors open for a long time while operating the air conditioner.

It can decrease the air conditioning capacity.



★ Don't block the air intake or outlet vents of both the outdoor and indoor units.

It can decrease the air conditioning capacity or cause a malfunction.



★ The power supply must adopt the

special circuit that with air switch protection and assure it has enough capacity.

The unit will be turned on or off according to your requirement automatically, please do not turn on or turn off the unit frequently, otherwise disadvantage effect may be caused to the unit.

★ When having a burning smell or

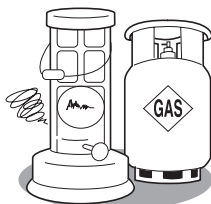
smoke, please turn off the power supply and contact with the service center.



If the abnormality still exists, the unit may be damaged, and may cause electric shock or fire.



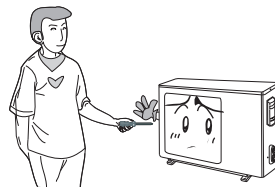
★ Keep combustible spray away from the units more than 1m.



It can cause a fire or explosion



★ Don't attempt to repair the air conditioner by yourself.



The wrong repair will lead to an electric shock or fire, so you should contact the service center to repair.

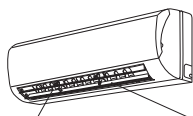
◆ Notices for operation



★ Please don't cut off or damage the power cords and control cords.

If they are damaged, please ask the qualified personnel to change them.

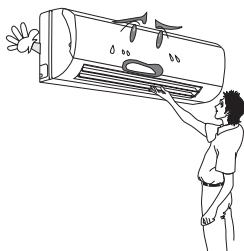
★ To adjust the airflow direction appropriately. When operating the unit, to adjust the vertical and lateral air flow direction by use of remote controller.



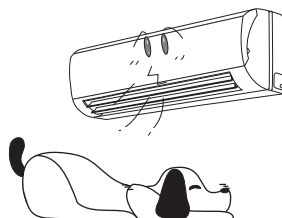
Swing louver Guide louver



★ Don't insert your hands or stick into the air intake or outlet vents.

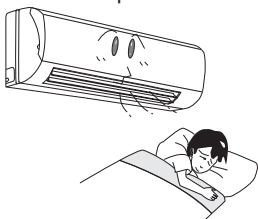


★ Don't blow the wind to animals and plants directly. It can cause a bad influence to them.

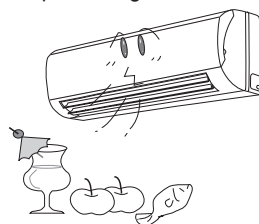


★ Don't apply the cold wind to the body for a long time.

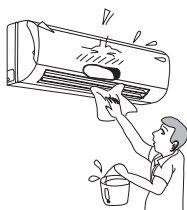
It can cause the health problems.



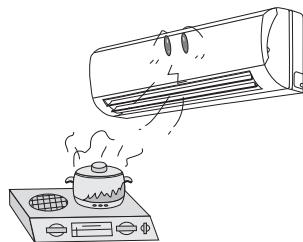
★ Don't use the air conditioner for other purposes, such as drying clothes, preserving foods, etc.



★ Splashing water on the air conditioner can cause an electric shock and malfunction.



★ Don't place a space heater near the air conditioner.



◆ Notices for use

Working principle and special functions for cooling

Principle:

Air conditioner absorbs heat in the room and transmit to outdoor and discharged, so that indoor ambient temperature decreased, its cooling capacity will increase or decrease by outdoor ambient temperature.

Anti-freezing function

If the unit is running in COOL mode and in low temperature, there will be frost formed on the heat exchanger, when indoor heat exchanger temperature decreased below 0 the indoor unit microcomputer will stop compressor running and protect the unit.

Working principle and special functions for heating

Principle:

- * Air conditioner absorbs heat from outdoor air, transmits and discharges into the room.
- * If ambient temperature decreases, heating capacity of air conditioner will decrease.

Defrosting:

- * When outdoor temperature is low but high humidity, after a long while running, frost will form on outdoor unit, that will effect the heating effect, at this time, the auto defrosting function will act, the heat running will stop for 8-10mins.
- * During the auto defrosting, the fan motors of indoor unit and outdoor unit will stop.
- * During the defrosting, the indoor indicator flashes, the outdoor unit may emit vapor. This is due to the defrosting, it isn't malfunction.
- * After defrosting finished, the heating will recover automatically.

Anti-freezing function:

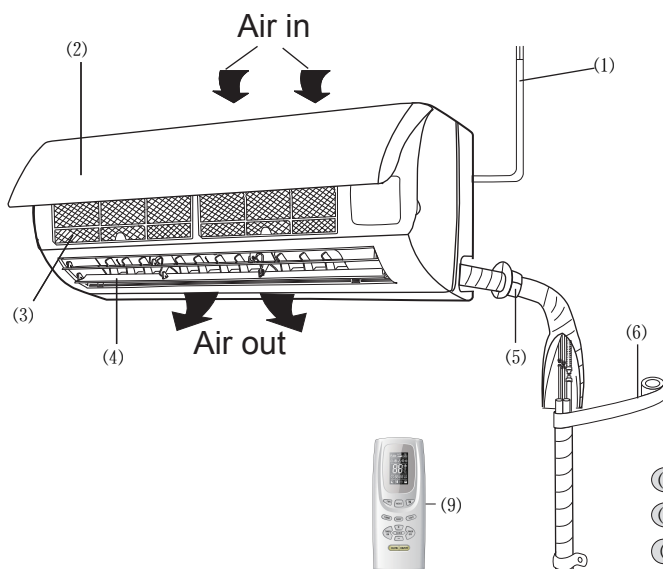
In "HEAT" mode, if in the following status, the indoor heat exchanger haven't achieve the certain temperature, that the indoor unit will not act, in order to prevent cool air blowing. (Within 3mins)

1.Heating starts. 2.After Auto defrosting finished. 3.Heating under the low temperature.

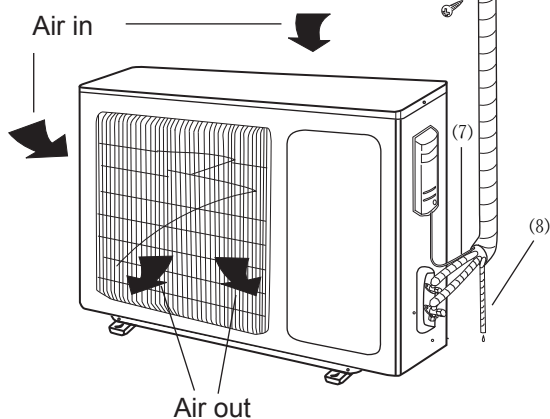
The climate type of this unit is according to the nameplate.

◆ Names and functions of each part

Indoor unit



Outdoor unit



- (1) Power cable
- (2) Front panel
- (3) Filter
- (4) Guide louver
- (5) Wall pipe
- (6) Bind tape
- (7) Connection wire
- (8) Drainage pipe
- (9) Remote control

◆ Clean and care



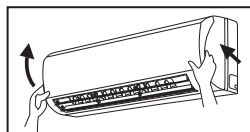
CAUTION

- Turn power off and pull out the power plug before cleaning air conditioner. Or it may cause electric shock.
- Never sprinkle water on the indoor unit and the outdoor unit for cleaning because it can cause an electric shock.
- Volatile liquid (e.g. thinner or gasoline) will damage the air conditioner. (So wipe the units with a dry soft cloth, or a cloth slightly moistened with water or cleanser.)

Clean the front panel(make sure to take it off before cleaning)

① Take off the front panel

Along the direction of arrows to lift the front panel up, meanwhile to hold both slots of the front panel and take it out forcibly and then can take it off.



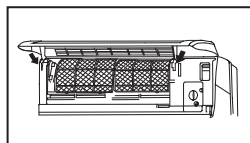
② Washing

Washing Clean with a soft brush, water and neutral detergent and then dry it.(Note: Before cleaning the unit, please take down the displayer box firstly, then to wash the panel, if the unit has displayer on the front panel. Never use the water above 45 ℃ to wash the panel, or it could cause deformation or discoloration.)



③ Install front panel

Place two supporters of the front panel into the slots, along the direction of arrows to cover and clasp the front panel. As show in right figure.



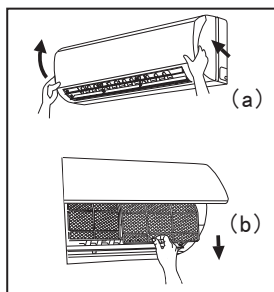
Cleaning the air filters (Recommended once every three months)

Note: If dust is much more around the air conditioner, the air filters should be cleaned many times. After taking off the filter, don't touch the fin of indoor unit, in order to avoid hurt your fingers.

◆ Clean and care

① Take down the air filter

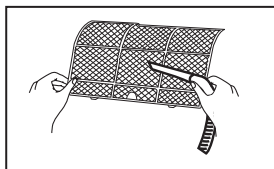
At the slot of surface panel to open an angle, pull the air filter downward and take it out.



② Cleaning

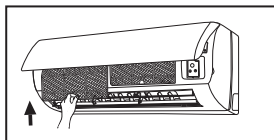
To clean the dust adhering to the filters, you can either use a vacuum cleaner, or wash them with warm water (the water with the neutral detergent should below 45 °C). When the filters are very dirty (such as oil stain), and dry it in the shade.

NOTE: Never use water above 45 °C to wash, or it can cause deformation or discoloration. Never parch it by fire, or can cause a fire or deformation.



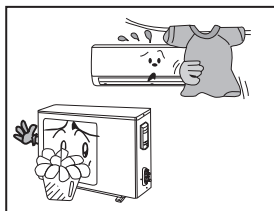
③ Reinsert the filters

Reinsert the filters along with the arrow head, then cover the surface panel and clasp it.



Check before use

- ① Be sure that nothing obstructs the air outlet and intake vents.
- ② Check that whether ground wire is properly connected or not.
- ③ Check that whether the batteries of air conditioner are changed or not.
- ④ Check that whether the installation stand of the outdoor unit is damaged or not. If damaged, please contact the dealer.



Maintain after use

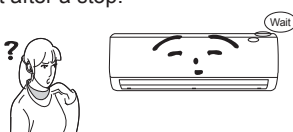

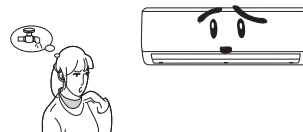

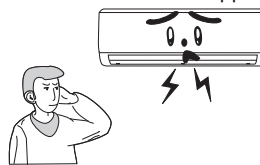
- ① Turn main power off.
- ② Clean the filter and indoor and outdoor units' bodies.
- ③ Repaint the rubiginous place on the outdoor unit to prevent it from spreading.

◆ Troubleshooting

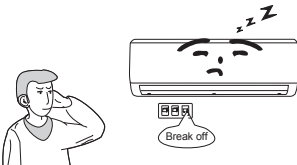
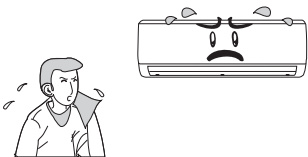
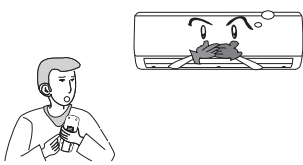


Warning

Do not repair the air conditioner at your discretion. Incorrect repair may cause electric shock or fire, so please contact Authorized Service Center for professional repair. Following checks prior to contact may save your time and costs.

Phenomenon	Troubleshooting
<p>Air conditioner does not run upon immediately restart after a stop.</p> 	<ul style="list-style-type: none"> ● To protect the air conditioner upon immediate restart after a stop, the microcomputer controller will delay the unit for 3 minutes before the air conditioner will run.
<p>Air conditioner blows out bad smell when it is initially started.</p> 	<ul style="list-style-type: none"> ● The air conditioner itself has no bad smell. If any. It is the bad smell accumulated from environment. Solution: Clean the air filter. ● If still any problem, the air conditioner shall be cleaned (Please contact Authorized Service Center)
<p>You may hear "Water Flowing" noise when the air conditioner is running.</p> 	<ul style="list-style-type: none"> ● When the air conditioner is started, or the compressor is started or stopped during running or the air conditioner is stopped, sometimes you may hear "hua-hua" or "di-di-" noise. This is the flowing sound of refrigerant other than fault.
<p>Sometimes a thin fog will flow out of the outlet when air conditioner is running under cooling mode.</p> 	<ul style="list-style-type: none"> ● This might occur when indoor temperature and humidity are high. This is because the indoor air is quickly cooled down. After a period of time, the fog will disappear with the decrease of indoor temperature and humidity.
<p>You may hear a slight crack when the air conditioner is started or stopped.</p> 	<ul style="list-style-type: none"> ● This is the sound of friction caused by expansion of panel or other parts due to the change of temperature.

◆ Troubleshooting

Phenomenon	Troubleshooting
<p>The unit can not run</p> 	<ul style="list-style-type: none"> ● Has the power been shut down? ● Dose power plug come loose from the socket? ● Is the circuit protection device tripped off or not? ● Is voltage higher or lower? (Tested by professionals) ● Is the Timer correctly used?
<p>Cooling(Heating) efficiency is not good.</p> 	<ul style="list-style-type: none"> ● Is Temp. setting suitable? ● Were inlet and outlet vents obstructed? ● Is there too much dusts accumulated and obstructed the filter? ● Are the windows and doors closed? ● Did Fan speed set at low speed? ● Is there any heat sources in the room?
<p>Wireless remote control is not available</p> 	<ul style="list-style-type: none"> ● The unit is interfered by abnormal or frequent functions switchover occasionally the controller cannot operate. At this time, you need to pull out of the plug, and reinsert it. ● Is it in its receiving range? Or obstructed? To check the voltage in wireless remote control inside is charged, otherwise to replace the batteries. ● Whether the wireless remote control is damaged.
<p>If water leakage in the room</p>	<ul style="list-style-type: none"> ● The air humidity is on the high side. ● Condensing water over flowed. ● The connection position of indoor unit drainage pipe is loosed.
<p>If water leakage in outdoor unit</p>	<ul style="list-style-type: none"> ● When the unit is running in COOL mode, the pipe and connection of pipe would be condensed due to the water cooled down. ● When the unit is running in Auto Defrosting mode, the ice thawed and flowed out. ● When the unit is running in HEAT mode, the water adhered on heat exchanger dripped off.
<p>Noise from indoor unit emitted.</p>	<ul style="list-style-type: none"> ● The sound of fan or compressor relay is switching on or off. ● When the defrosting is started or stop running, it will sound. That is due to the refrigerant flowed to the reverse direction.

◆ Troubleshooting

Phenomenon	Troubleshooting
Indoor unit cannot deliver air	<ul style="list-style-type: none"> ● In HEAT mode, when the temperature of indoor heat exchanger is very low, that will stop deliver air in order to prevent cool air. (Within 3min) ● In HEAT mode, when the outdoor temperature is low or high humidity, there are much frost be formed on the outdoor heat exchanger, that the unit will automatically defrost, indoor unit stop blowing air for 3-12mins. During the defrosting, there is water flowing out or vapor be produced. ● In dehumidifying mode, sometimes indoor fan will stop, in order to avoid condensing water be vaporized again, restrain temperature rising.
Moisture on air outlet vent	<ul style="list-style-type: none"> ● If unit is running under the high humidity for a long time, the moisture will be condensed on the air outlet grill and drip off.



Immediately stop all operations and plug out, contact the dealer in following situations.

- There is harsh sound during operation
- The terrible odors emitted during operation
- Water is leaking in the room
- Air switch or protection switch often breaks
- Careless splash water or something into unit
- There is an abnormal heat in power supply cord and power plug.



Stop running and pull out of the plug.