

INSTALLATION MANUAL

AIR CONDITIONER

Please read this installation manual completely before installing the product.
Installation work must be performed in accordance with the national wiring standards by authorized personnel only.
Please retain this installation manual for future reference after reading it thoroughly.

Original instruction



P/NO : MFL69191425

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ENGLISH

РУССКИЙ ЯЗЫК

УКРАЇНСЬКА

ҚАЗАҚ ТІЛІ

БЕЛҮСЧАН МОВА

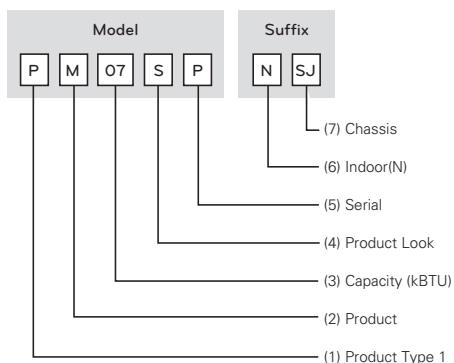
ЎЗБЕК ТИЛИ

MODEL DESIGNATION

Product information

- Product Name : Air conditioner

- Model Name :



(1) Product Type 1

D	Deluxe
P	Standard Plus/Standard
A	Artcool

(2) Product

M	Multi Compitable
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(4) Product Look

R	R-Look
S	Semi R-Look
E	E-Look
B	Black Mirror Look

(7) Chassis

SJ	Chassis
SK	Chassis

- Additional Information : serial number is refer to the barcode on the product.
- Max allowable pressure High side : 4.2 Mpa / Low side : 2.4 Mpa
- Refrigerant : R410A

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

Always comply with the following precautions to avoid dangerous situations and ensure peak performance of your product

WARNING

It can result in serious injury or death when the directions are ignored

CAUTION

It can result in minor injury or product damage when the directions are ignored

WARNING

- Installation or repairs made by unqualified persons can result in hazards to you and others.
- Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only.
- The information contained in the manual is intended for use by a qualified service technician familiar with safety procedures and equipped with the proper tools and test instruments.
- Failure to carefully read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.

Installation

- Do not use a defective or underrated circuit breaker. Use the correctly rated breaker and fuse. There is risk of fire or electric shock.
- For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center. Do not disassemble or repair the product by yourself. There is risk of fire or electric shock.
- Always ground the product as per the wiring diagram. Do not connect the ground wire to gas or water pipes lightning rod or telephone ground wire. There is risk of fire or electric shock.
- Install the panel and the cover of control box securely. There is risk of fire or electric shock due to dust, water etc.
- Use the correctly rated breaker or fuse. There is risk of fire or electric shock.
- Do not modify or extend the power cable. If the power cable or cord has scratches or skin peeled off or deteriorated then it must be replaced. There is risk of fire or electric shock.
- For installation, removal or reinstall, always contact the dealer or an Authorized Service Center. There is risk of fire, electric shock, explosion, or injury.
- Do not install the product on a defective installation stand. Be sure that the installation area does not deteriorate with age. It may cause product to fall.
- Never install the outdoor unit on a moving base or a place from where it can fall down. The falling outdoor unit can cause damage or injury or even death of a person.
- In outdoor unit the step-up capacitor supplies high voltage electricity to the electrical components. Be sure to discharge the capacitor completely before conducting the repair work. An charged capacitor can cause electrical shock.
- When installing the unit, use the installation kit provided with the product. Otherwise the unit may fall and cause severe injury.
- Indoor/outdoor wiring connections must be secured tightly and the cable should be routed properly so that there is no force pulling the cable from the connection terminals. Improper or loose connections can cause heat generation or fire.
- Safely dispose off the packing materials. Like screws, nails, batteries, broken things etc after installation or svc and then tear away and throw away the plastic packaging bags. Children may play with them and cause injury.
- Be sure to check the refrigerant to be used. Please read the label on the product. Incorrect refrigerant used can prevent the normal operation of the unit.

Operation

- When the product is soaked (flooded or submerged) in water, contact an Authorized Service Center for repair before using it again. There is risk of fire or electric shock.
- Be sure to use only those parts which are listed in the svc parts list. Never attempt to modify the equipment. The use of inappropriate parts can cause an electrical shock, excessive heat generation or fire.
- Do not touch, operate, or repair the product with wet hands. Hold the plug by hand when taking out. There is risk of electric shock or fire.
- Do not place a heater or other heating appliances near the power cable. There is risk of fire and electric shock.
- Do not allow water to run into electric parts. Install the unit away from water sources. There is risk of fire, failure of the product, or electric shock.
- Do not store or use or even allow flammable gas or combustibles near the product. There is risk of fire.
- Do not use the product in a tightly closed space for a long time. Perform ventilation regularly. Oxygen deficiency could occur and hence harm your health.
- Do not open the front grille of the product during operation. (Do not touch the electrostatic filter, if the unit is so equipped.) There is risk of physical injury, electric shock, or product failure.
- If strange sound, smell or smoke comes from product. Immediately turn the breaker off or disconnect the power supply cable. There is risk of electric shock or fire.
- Ventilate the product room from time to time when operating it together with a stove, or heating element etc. Oxygen deficiency can occur and hence harm your health.
- When the product is not to be used for a long time, disconnect the power supply plug or turn off the breaker. There is risk of product damage or failure, or unintended operation.
- Take care to ensure that nobody especially kids could step on or fall onto the outdoor unit. This could result in personal injury and product damage.
- Take care to ensure that power cable could not be pulled out or damaged during operation. There is risk of fire or electric shock.
- Do not place ANYTHING on the power cable. There is risk of fire or electric shock.
- When flammable gas leaks, turn off the gas and open a window for ventilation before turning on the product. Do not use the telephone or turn switches on or off. There is risk of explosion or fire.
- Make sure to ventilate sufficiently when this air conditioner and a heating appliance such as a heater are used simultaneously. Failure to do so may result in fire, serious injury, or product failure.



CAUTION

Installation

- Two or more people must lift and transport the product. Avoid personal injury.
- Do not install the product where it will be exposed to sea wind (salt spray) directly. It may cause corrosion on the product.
- Install the drain hose to ensure that the condensed water is drained away properly. A bad connection may cause water leakage.
- Keep level even when installing the product. To avoid vibration or noise.
- Do not install the product where the noise or hot air from the outdoor unit could damage or disturb the neighborhoods. It may cause a problem for your neighbors and hence dispute.
- Always check for gas (refrigerant) leakage after installation or repair of product. Low refrigerant levels may cause failure of product.

Operation

- Do not use the product for special purposes, such as preserving foods, works of art, etc. It is a consumer air conditioner, not a precision refrigeration system. There is risk of damage or loss of property.
- Do not block the inlet or outlet of air flow. It may cause product failure.
- Use a soft cloth to clean. Do not use harsh detergents, solvents or splashing water etc. There is risk of fire, electric shock, or damage to the plastic parts of the product.
- Do not touch the metal parts of the product when removing the air filter. There is risk of personal injury.
- Do not step on or put anything on the product. (outdoor units) There is risk of personal injury and failure of product.
- Always insert the filter securely after cleaning. Clean the filter every two weeks or more often if necessary. A dirty filter reduces the efficiency.
- Do not insert hands or other objects through the air inlet or outlet while the product is operating. There are sharp and moving parts that could cause personal injury.
- Be cautious when unpacking and installing the product. Sharp edges could cause injury.

- If the refrigerant gas leaks during the repair, do not touch the leaking refrigerant gas. The refrigerant gas can cause frostbite (cold burn).
- Do not tilt the unit when removing or uninstalling it. The condensed water inside can spill.
- Do not mix air or gas other than the specified refrigerant used in the system. If air enters the refrigerant system, an excessively high pressure results, causing equipment damage or injury.
- If the refrigerant gas leaks during the installation, ventilate the area immediately. Otherwise it can be harmful for your health.
- Dismantling the unit, treatment of the refrigerant oil and eventual parts should be done in accordance with local and national standards.
- Replace the all batteries in the remote control with new ones of the same type. Do not mix old and new batteries or different types of batteries. There is risk of fire or product failure.
- Do not recharge or disassemble the batteries. Do not dispose off batteries in a fire. They may burn or explode.
- If the liquid from the batteries gets onto your skin or clothes, wash it well with clean water. Do not use the remote if the batteries have leaked. The chemicals in batteries could cause burns or other health hazards.
- If you swallow the battery fluid from a leak, wash out the inside of your mouth thoroughly and then consult a doctor. Failure to do so may result in serious health complications.
- Do not let the air conditioner run for a long time when the humidity is very high and a door or a window is left open. Moisture may condense and wet or damage furniture.
- Do not expose your skin or kids or plants to the cool or hot air draft. This could harm to your health.
- Do not drink the water drained from the product. It is not sanitary and could cause serious health issues.
- Use a firm stool or ladder when cleaning, maintaining or repairing the product at an height. Be careful and avoid personal injury.

INSTALLATION PLACES

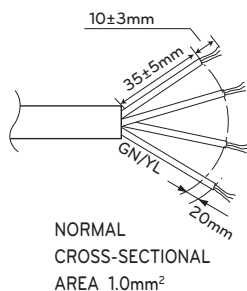
- There should not be any heat source or steam near the unit.
- There should not be any obstacles to prevent the air circulation.
- A place where air circulation in the room will be good.
- A place where drainage can be easily obtained.
- A place where noise prevention is taken into consideration.
- Do not install the unit near the door way.
- Ensure the spaces indicated by arrows from the wall, ceiling, or other obstacles.
- The indoor unit must keep the maintenance space.

Wiring Connection

- Open the control box cover and connect the Remote controller cord and Indoor power wires.
- Remove the control box cover for electrical connection between the indoor and outdoor unit. (Remove screws)
- Use the cord clammer to fix the cord.

! CAUTION

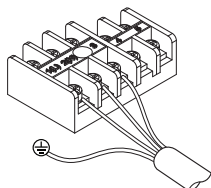
The connecting cable connected to the indoor and outdoor unit should be complied with the following specifications (This equipment shall be provided with a cord set complying with the national regulation).



If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer of its service agent.

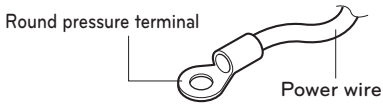
! CAUTION

The Power cord connected to the unit should be selected according to the following specifications.



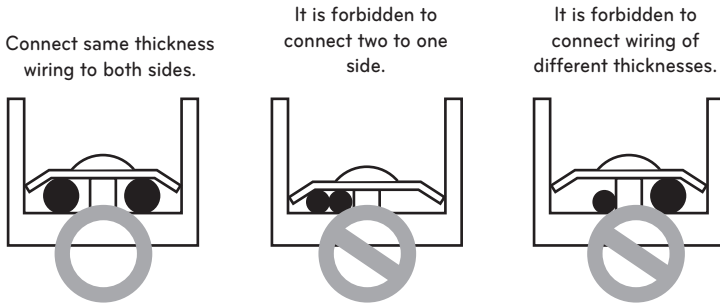
Precautions when laying power wiring

Use round pressure terminals for connections to the power terminal block.



When none are available, follow the instructions below.

- Do not connect wiring of different thicknesses to the power terminal block. (Slack in the power wiring may cause abnormal heat.)
- When connecting wiring which is the same thickness, do as shown in the figure below.



- For wiring, use the designated power wire and connect firmly, then secure to prevent outside pressure being exerted on the terminal block.
- Use an appropriate screwdriver for tightening the terminal screws. A screwdriver with a small head will strip the head and make proper tightening impossible.
- Over-tightening the terminal screws may break them.

TROUBLESHOOTING

Self-diagnosis function

This product has a built-in self-diagnosis function. If an error occurs, the lamp of the indoor unit will blink in 2 second intervals. If this occurs, contact your local dealer or service center.

Before requesting service

Please check the following before you contact the service center. If the problem persists, contact your local service center.

Problem	Possible causes	Corrective action
Abnormal operating conditions.	<ul style="list-style-type: none"> • There is a burning smell and a strange sound coming from the unit. 	<ul style="list-style-type: none"> • Turn off the air conditioner, unplug the power cord and contact the service center.
	<ul style="list-style-type: none"> • Water leaks from the indoor unit even when the humidity level is low. 	
	<ul style="list-style-type: none"> • The power cord is damaged or generating excessive heat. 	
	<ul style="list-style-type: none"> • A switch, a circuit breaker (safety, ground) or a fuse is not operated properly. 	
The air conditioner does not work.	<ul style="list-style-type: none"> • The air conditioner is unplugged. 	<ul style="list-style-type: none"> • Check whether the power cord is plugged into the outlet.
	<ul style="list-style-type: none"> • A fuse is blown or the power supply is blocked. 	<ul style="list-style-type: none"> • Replace the fuse or check if the circuit breaker has tripped.
	<ul style="list-style-type: none"> • A power failure has occurred. 	<ul style="list-style-type: none"> • Turn off the air conditioner when a power failure occurs. • When the power is restored, wait 3 minutes, and then turn on the air conditioner.
	<ul style="list-style-type: none"> • The voltage is too high or too low. 	<ul style="list-style-type: none"> • Check if the circuit breaker has tripped.
	<ul style="list-style-type: none"> • The air conditioner turned off automatically at a preset time. 	<ul style="list-style-type: none"> • Press the power button again.
	<ul style="list-style-type: none"> • Battery setting is wrong in the remote controller. 	<ul style="list-style-type: none"> • Is the battery inserted in Remoted controller? Is the battery inserted with the correct terminal (+)(-)? • Even if you check the upper lists, the air conditioner does not operate. Please replace new batteries.

Problem	Possible causes	Corrective action
The air conditioner does not generate cool air.	<ul style="list-style-type: none"> • Air is not circulating properly. 	<ul style="list-style-type: none"> • Make sure that there are no curtains, blinds or furniture blocking the front of the air conditioner.
	<ul style="list-style-type: none"> • The air filter is dirty. 	<ul style="list-style-type: none"> • Clean the air filter once every 2 weeks. • See "Cleaning Air Filter" for more information.
	<ul style="list-style-type: none"> • The room temperature is too high. 	<ul style="list-style-type: none"> • In summer, it may take some time to cool indoor air. • In this case, select the jet cool operation to cool indoor air quickly.
	<ul style="list-style-type: none"> • Cold air is escaping from the room. 	<ul style="list-style-type: none"> • Make sure that no cold air is escaping through ventilation points in the room.
	<ul style="list-style-type: none"> • The desired temperature is higher than the set temperature. 	<ul style="list-style-type: none"> • Set the desired temperature to a level lower than the current temperature.
	<ul style="list-style-type: none"> • There is a heating source nearby. 	<ul style="list-style-type: none"> • Avoid using a heat generator such as an electric oven or a gas burner while the air conditioner is in operation.
	<ul style="list-style-type: none"> • Air circulation operation is selected. 	<ul style="list-style-type: none"> • In the air circulation operation, air blows from the air conditioner without cooling or heating the indoor air. • Switch the operation mode to the cooling operation.
	<ul style="list-style-type: none"> • Outside temperature is too high. 	<ul style="list-style-type: none"> • The cooling effect may not be sufficient.
The air conditioner does not generate warm air.	<ul style="list-style-type: none"> • When the heating mode is started. • Vane is almost closed and air flow does not come out. • Even though outdoor unit is already begun to operate. 	<ul style="list-style-type: none"> • This symptom is normal. • Please wait until the unit is preparing warm air. • This function prepare to blow warm air.
	<ul style="list-style-type: none"> • Defrosting mode is being done in the outdoor unit. 	<ul style="list-style-type: none"> • In heating mode, ice/frost is built up on the coils when the outside temperature fall down. • This function remove a layer of frost on the coil. • Please wait until this operation is completed. It takes about 15 mins.
	<ul style="list-style-type: none"> • Outside temperature is too low. 	<ul style="list-style-type: none"> • The heating effect may not be sufficient.

Problem	Possible causes	Corrective action
The air-conditioner stops during operation.	<ul style="list-style-type: none"> The air conditioner is suddenly turn off. 	<ul style="list-style-type: none"> The timer function could be operated. If the timer function would operate, the air-conditioner can be turn off. Check the timer setting is correct.
	<ul style="list-style-type: none"> A power failure has occurred during operation. 	<ul style="list-style-type: none"> There is the Auto Restart Function. It is a default setting. This function can turn on the unit automatically when the power is restored. If you live in frequent power failure area, this function would be useful.
Indoor unit is still operating even when the power is being turned off.	<ul style="list-style-type: none"> Auto-Clean mode is being operated. This function is to remove the rest of moisture indoor unit. 	<ul style="list-style-type: none"> Please, wait until the end of functions. It will be inhibit a fungal growth. If you do not want this feature, you can turn off to press .
Mist is discharged from the air outlet of the indoor unit.	<ul style="list-style-type: none"> The cooled air from the air conditioner makes mist. 	<ul style="list-style-type: none"> When the room temperature is down, this phenomenon will disappear.
Water leaks from the outdoor unit.	<ul style="list-style-type: none"> In the heating operations, condensed water drop from the heat exchanger. 	<ul style="list-style-type: none"> This symptom need to install drain hose under the base pan. Contact the installer.
Operating noise or vibration.	<ul style="list-style-type: none"> Clicking sound Clicking sound can be heard either when the unit starts or stops due to movement of reversing valve. Creaking sound The plastic parts of the indoor unit make sound of shrinks and expands due to a sudden temperature change. The water flowing sound, Blowing sound The flow of refrigerant through the air conditioner is switching, noise can be heard. 	<ul style="list-style-type: none"> These are normal symptoms. After a moment, it will be silent.
The indoor unit gives out odor.	<ul style="list-style-type: none"> The air smells bad because a musty or cigarettes odor may be absorbed into the indoor unit and discharged with airflow. 	<ul style="list-style-type: none"> If the smell does not disappear, you need to wash filter or heat exchanger. Contact the installer.

