

Air conditioner

USER & INSTALLATION MANUAL

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- Thank you for purchasing this Samsung air conditioner.
- Before operating this unit, please read this user manual carefully and retain it for future reference.



SAMSUNG

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Safety Rules and Recommendations for the Installer

- ⚠ Read this guide before installing and using the appliance.
- ⚠ During the installation of the indoor and outdoor units access to the working area should be forbidden to children. Unforeseeable accidents could happen.
- ⚠ Make sure that the base of the outdoor unit is firmly fixed.
- ⚠ Check that air cannot enter the refrigerant system and check for refrigerant leaks when moving the air conditioner.
- ⚠ Carry out a test cycle after installing the air conditioner and record the operating data.
- ⚠ The rating of the fuse installed in the built in control unit is T 3.15A/250V.
- ⚠ Ensure that the mains voltage corresponds to that stamped on the rating plate. Keep the switch or power plug clean. Insert the power plug correctly and firmly into the socket, thereby avoiding the risk of electric shock or fire due to insufficient contact.
- ⚠ Check that the socket is suitable for the plug, otherwise have the socket changed.
- ⚠ The appliance must be fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under voltage surge conditions, and these means must be incorporated in the fixed wiring in accordance with the wiring rules.
- ⚠ **Do not** install the appliance at a distance of less than 50 cm from inflammable substances (alcohol, etc.) Or from pressurised containers (e.g. spray cans).
- ⚠ If the appliance is used in areas without the possibility of ventilation, precautions must be taken to prevent any leaks of refrigerant gas from remaining in the environment and creating a danger of fire.
- ⚠ The packaging materials are recyclable and should be disposed of in separate wastebins. Take the air conditioner at the end of its useful life to a special waste collection centre for disposal.
- ⚠ Only use the air conditioner as instructed in this booklet. These instructions are not intended to cover every possible condition and situation. As with any electrical household appliance common sense and caution are therefore always recommended for installation, operation and maintenance.
- ⚠ The appliance must be installed in accordance with applicable national regulations.
- ⚠ Before accessing the terminals, all the power circuits must be disconnected from the power supply.
- ⚠ The air conditioner must be installed by professional or qualified persons.
- ⚠ **Do not** try to install the conditioner alone; always contact specialized technical personnel.
- ⚠ Cleaning and maintenance must be carried out by specialized technical personnel. In any case disconnect the appliance from the mains electricity supply before carrying out any cleaning or maintenance.
- ⚠ **Do not** pull out the plug to switch off the appliance when it is in operation, since this could create a spark and cause a fire, etc.
- ⚠ This appliance has been made for air conditioning domestic environment and must not be used for any other purpose, such as for drying clothes, cooling food etc.
- ⚠ Always use the appliance with the air filter mounted. The use of the conditioner without air filter could cause an excessive accumulation of dust or waste on the inner parts of the device with possible subsequent failures.
- ⚠ The user is responsible for having the appliance installed by a qualified technician, who must check that it is earthed in accordance with current legislation.
- ⚠ The batteries in remote controller must be recycled or disposed of properly.
Disposal of Scrap batteries Please discard the batteries as sorted municipal waste at the accessible collection point.
- ⚠ Never remain directly exposed to the flow of cold air for a long time. The direct and prolonged exposition to cold air could be dangerous for your health. Particular care should be taken in the rooms where there are children, old or sick people.
- ⚠ Ensure that the appliance is disconnected from the power supply when it will remain inoperative for a long period and before carrying out any cleaning or maintenance.

Safety Rules and Recommendations for the Installer

Safety Rules and Prohibitions

- ⊘ **Do not** bend, tug or compress the power cord since this could damage it. Electrical shock or fire are probably due to a damaged power cord. Specialised technical personnel only must replace a damaged power cord.
- ⊘ **Do not** use extensions or gang modules.
- ⊘ **Do not** touch the appliance when barefoot or parts of the body are wet or damp.
- ⊘ **Do not** obstruct the air inlet or outlet of the indoor or the outdoor unit.
The obstruction of these openings causes a reduction in the operative efficiency of the air conditioner with possible consequent failures or damages.
- ⊘ In no way alter the characteristics of the appliance.
- ⊘ **Do not** install the appliance in environments where the air could contain gas, oil or sulphur or near sources of heat.
- ⊘ This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- ⊘ **Do not** climb onto or place any heavy or hot objects on top of the appliance.
- ⊘ **Do not** leave windows or doors open for long when the air conditioner is operating.
- ⊘ **Do not** direct the airflow onto plants or animals.
- ⊘ A long direct exposure to the flow of cold air of the conditioner could have negative effects on plants and animals.
- ⊘ **Do not** put the conditioner in contact with water. The electrical insulation could be damaged and thus causing electrocution.
- ⊘ **Do not** climb onto or place any objects on the outdoor unit.
- ⊘ Never insert a stick or similar object into the appliance. It could cause injury.
- ⊘ Children should be supervised to ensure that they do not play with the appliance. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- ⊘ Do not use means to accelerate the defrost operation or to clean, other than those recommended by Samsung.
- ⊘ Do not pierce or burn.
- ⊘ Be aware that refrigerants may not contain an odour.

Safety Rules and Recommendations for the Installer

- Because your air conditioner contains R-32 refrigerant, make sure that it is installed, operated, and stored in a room whose floor area is larger than the minimum required floor area specified in the following table:

Wall-mounted type	
m (kg)	A (m ²)
≤ 1.842	No requirement
1.843	4.45
1.9	4.58
2.0	4.83
2.2	5.31
2.4	5.79
2.6	6.39
2.8	7.41
3.0	8.51

- m : Total refrigerant charge in the system
- A : Minimum required floor area
- IMPORTANT: it's mandatory to consider either the table above or taking into consideration the local law regarding the minimum living space of the premises.
- Minimum installation height of indoor unit is 0.6 m for floor mounted, 1.8 m for wall, 2.2 m for ceiling.

Preparation of fire extinguisher

- If a hot work is to be done, an appropriate fire extinguishing equipment should have been available.
- A dry powder or CO₂ fire extinguisher shall be equipped near the charging area.

Ignition sources free

- Make sure to store the units in a place without continuously operating ignition sources (for example, open flames, an operating gas appliance or an operating electric heater).
- The service engineers shall not use any ignition sources with the risk of fire or explosion.
- Potential ignition sources shall be kept away from the work area where the flammable refrigerant can possibly be released to the surrounding.
- The work area should be checked to ensure that there are no flammable hazards or ignition risks. The "No Smoking" sign shall be attached.
- Under no circumstances shall potential sources of ignition be used while in detection of leakage.
- Make sure that the seals or sealing materials have not degraded.
- Safe parts are the ones with which the worker can work in a flammable atmosphere. Other parts may result in ignition due to leakage.
- Replace components only with parts specified by Samsung. Other parts may result in the ignition of refrigerant in the atmosphere from a leak.

Area ventilation

- Make sure that the work area is well ventilated before performing a hot work.
- Ventilation shall be made even during the work.
- The ventilation should safely disperse any released gases and preferably expel them into the atmosphere.
- Ventilation shall be made even during the work.

Safety Rules and Recommendations for the Installer

Leakage detection methods

- The leakage detector shall be calibrated in a refrigerant-free area.
- Make sure that the detector is not a potential source of ignition.
- The leakage detector shall be set to the LFL (lower flammability limit).
- The use of detergents containing chlorine shall be avoided for cleaning because the chlorine may react with the refrigerant and corrode the pipings.
- If leakage is suspected, naked flames shall be removed.
- If a leakage is found while in brazing, the entire refrigerant shall be recovered from the product or isolated (e.g. using shut-off valves). It shall not be directly released to the environment. Oxygen free nitrogen (OFN) shall be used for purging the system before and during the brazing process.
- The work area shall be checked with an appropriate refrigerant detector before and during work.
- Ensure that the leakage detector is appropriate for use with flammable refrigerants.

Labelling

- The parts shall be labelled to ensure that they have been decommissioned and emptied of refrigerant.
- The labels shall be dated.
- Make sure that the labels are affixed on the system to notify it contains flammable refrigerant.

Recovery

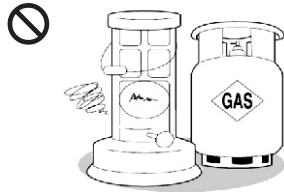
- When removing refrigerant from the system for servicing or decommissioning, it is recommended to remove the entire refrigerant.
- When transferring refrigerant into cylinders, make sure that only the refrigerant recovery cylinders are used.
- All cylinders used for the recovered refrigerant shall be labelled.
- Cylinders shall be equipped with pressure relief valves and shut-off valves in a proper order.
- Empty recovery cylinders shall be evacuated and cooled before recovery.
- The recovery system shall operate normally according to the specified instructions and shall be suitable for refrigerant recovery.
- In addition, the calibration scales shall operate normally.
- Hoses shall be equipped with leak-free disconnect couplings.
- Before starting the recovery, check for the status of the recovery system and sealing state. Consult with the manufacturer if suspected.
- The recovered refrigerant shall be returned to the supplier in the correct recovery cylinders with the Waste Transfer Note attached.
- Do not mix refrigerants in the recovery units or cylinders.
- If compressors or compressor oils are to be removed, make sure that they have been evacuated to the acceptable level to ensure that flammable refrigerant does not remain in the lubricant.
- The evacuation process shall be performed before sending the compressor to the suppliers.
- Only the electrical heating to the compressor body is allowed to accelerate the process.
- Oil shall be drained safely from the system.
- For installation with handling the refrigerant (R-32), use dedicated tools and piping materials. Because the pressure of the refrigerant, R-32 is approximately 1.6 times higher than that of R-22, failure to use the dedicated tools and piping materials may cause rupture or injury. Furthermore, it may cause serious accidents such as water leakage, electric shock, or fire.

Safety Rules and Recommendations for the Installer

■ Safety Information

The product shall be stored in a room with no ignition sources (e.g. open flames, gas appliance, electric heater, etc.).

- Note that the refrigerant has no odour.



It can cause a fire or explosion

The refrigerant is not harmful. However, if it comes in contact with fire, it may generate harmful gases and there is risk of fire.

During transportation of the indoor unit, the pipe lines shall be covered with brackets for protection. Do not move the product with holding the pipe lines.

- It may cause gas leakage.

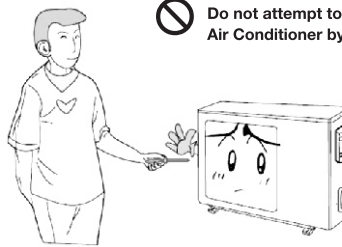
Do not cut or burn the refrigerant container or pipings.

In case of a malfunction, immediately stop operation of the air conditioner and disconnect the entire power system. Then consult the authorized service personnel.

! If you notice anything **Abnormal** with the Air Conditioner (e.g. Burning Smell or Noise), Turn the unit off Immediately and disconnect from the Power Supply



⊘ Do not attempt to Repair the Air Conditioner by Yourself



Incorrect Repairs can cause Risk of Electric Shock or fire. Please contact Your Authorized Service Personnel.

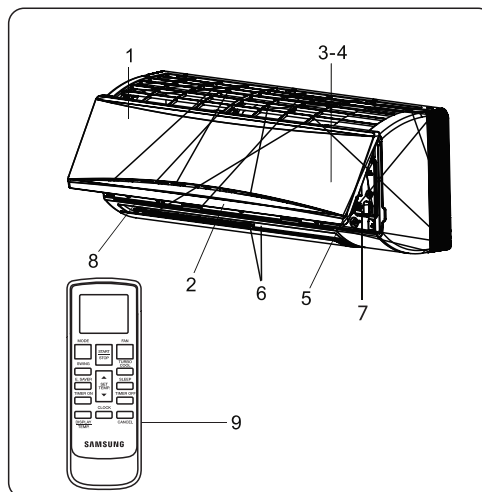
When the air conditioner does not operate properly for cooling or heating, there is a possibility of refrigerant leakage. If any leakage, stop operation, ventilate the room, and consult your dealer immediately for recharging refrigerant.

Do not point the air direction to the fireplace or heater.

Names of the Parts

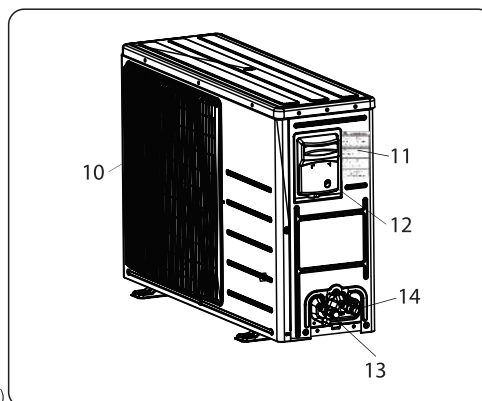
INDOOR UNIT

No.	Description
1	Front panel
2	Air filter
3	LED display
4	Signal receiver
5	Terminal block cover
6	Deflectors
7	Emergency button
8	Airflow direction flaps
9	Remote control



OUTDOOR UNIT

No.	Description
10	Air outlet grill
11	Outdoor unit rating label
12	Cover
13	Gas valve
14	Liquid valve



WALL AIR-CONDITIONER

The conditioner is made up of two or more units connected between themselves through copper pipes (properly insulated) and an electrical connecting cable.

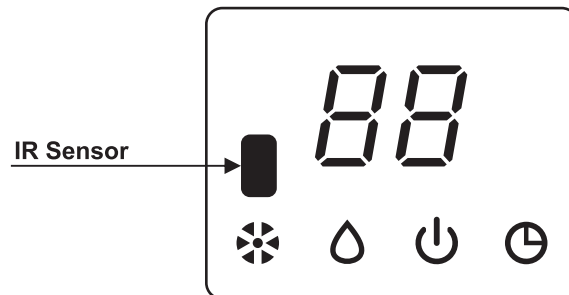
The indoor unit is installed on the walls of the room to be conditioned.

The outdoor unit is installed on the floor or on the wall on suitable brackets.






Technical data of the air conditioner are printed on the labels placed on the indoor and outdoor units. The remote control has been designed for an easy and fast use.

NOTE: the above figures are only intended to be a simple diagram of the appliance and may not correspond to the appearance of the units that have been purchased.

Indoor Display

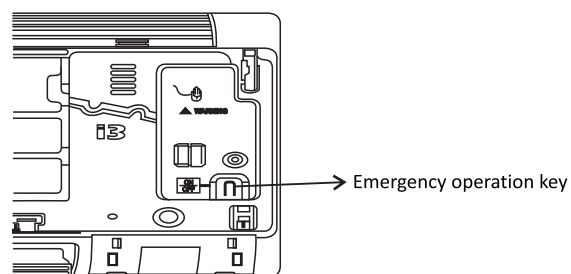


Display symbols:

	Display Set Temperature		ON/OFF Indicator
	Cool Mode Indicator		Timer Indicator
	Dry Mode Indicator		

Emergency Operation Key

This button can be used as an emergency measure to turn on/off unit when remote controller is not available.



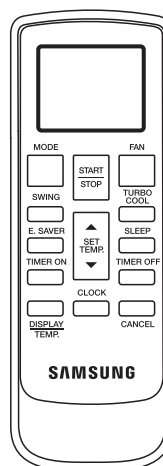
When the remote controller is lost or damaged, use the emergency operation key on the main unit. In such an event, the unit operates in the Auto Mode.

General Feature & Replacement of Batteries

GENERAL FEATURE:

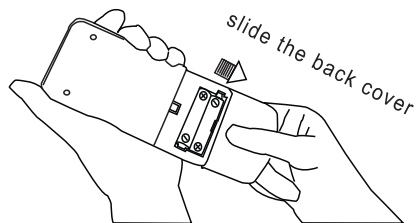
The controller has following features-

- Display: Dual digit display with LED indicators.
- Preset temperature setting from 16°C to 30°C.
- Compressor delay protection.
- Different Fan Speeds : Low, Medium, High, Auto & Turbo
- Timer can be set in hour to turn ON/OFF the machine.
- Memory backup in case of power failure.
- Dehumidifying operation.



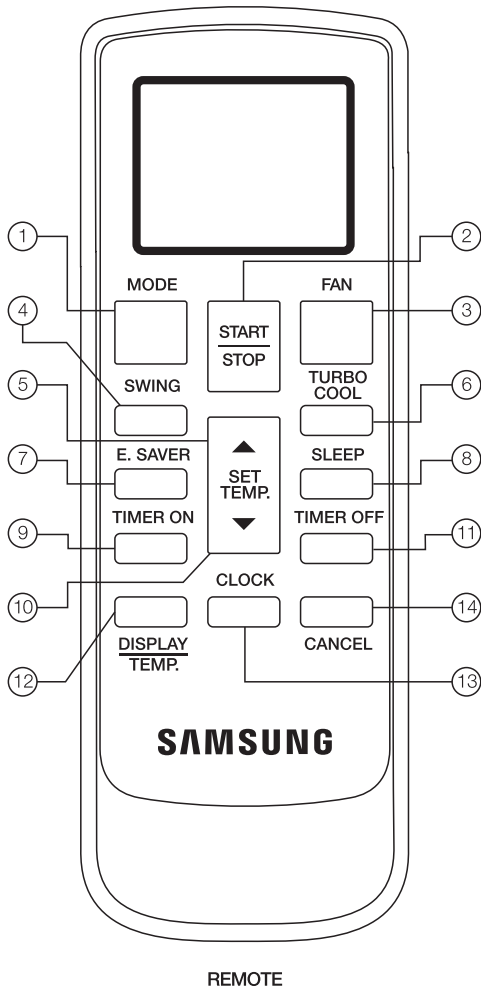
REPLACEMENT OF BATTERIES

- When the signal from the remote controller becomes weak and the indoor unit can not receive it properly; or the indications on the display screen becomes blurred, please slide the back cover and replace with the new batteries.
- The positive and negative poles must match the installation positions.
- New batteries of the same type have to be used for replacement.
- If the remote controller is not to be used for long time, take out the batteries so as to prevent the leakage of the electrolyte from damaging the controller.
- If the remote controller is at abnormal state, you can take out the batteries on the back cover to clear off the display.



REMOTE CONTROLLER 1

Remote Controller



1. **MODE BUTTON**
Press this button to select the **operation mode**
2. **START/STOP BUTTON**
The appliance will be **started** when it is energized or will be **stopped** when it is in operation, if you press this button.
3. **FAN BUTTON**
Used to select **fan speed** in sequence **low, medium, high & auto.**
4. **SWING BUTTON**
Used to **stop** or **start** vertical adjustment lower swinging and set the desired **up/down** airflow direction.
- 5/10. **SET TEMPERATURE SETTING BUTTONS**
Used to set temperature and timer.
6. **TURBO COOL**
Used to **start** or **stop** the fast **cooling/heating.** (Fast cooling operates at **high fan speed** automatically; Fast heating Operates at high fan speed. Automatically)
7. **E. SAVER**
Used in **Cooling Mode** by setting Temp to **24°C (Temp changeable from 24 °C to 30 °C)** keeping the **Fan Speed Medium.** (If the set temperature is below 24 degrees, it will be changed to 24 degrees when entering E. Saver)
8. **SLEEP**
Used to **set** or **cancel** Sleep Mode operation.
- 9/11. **TIMER ON/OFF button**
Used to **set** or **cancel** the timer operation.
12. **DISPLAY/TEMP BUTTON**
This key is used to activate/deactivate light feature. Press DISPLAY/TEMP key for 5sec to display actual Room Temperature on IDU Display.
13. **CLOCK BUTTON**
Used to **set** the **current time.**
14. **CANCEL BUTTON**
Used to **cancel** the **set time.**

Operating Modes

AUTO MODE :-

1. Auto mode can be select by pressing the Mode key available on remote.
2. In this mode, compressor will switched On after a delay time of 3 minutes depending on the differential of Room temperature & Set Temperature.
3. Fan speed will be automatically selected to AUTO speed and this speed can be changed by pressing FAN key available on remote and this speed can be change between Low, Medium, High or Auto speed.
4. Swing control or Swing angle can be selected by pressing the SWING key available on remote.
5. Room temperature will blink for 20 seconds on display and after 20 seconds if room temperature is $\geq 25^{\circ}\text{C}$, machine will run in Cool Mode and shows 25°C on the display . If Room temperature is $< 25^{\circ}\text{C}$, machine will run in Fan Mode and shows only room temperature on display.
(set temperature is not changeable in Auto Mode)

COOL MODE :-

1. Cool mode can be select by pressing the Mode key available in remote.
2. In this mode of operation, compressor will be switched on after a delay time of 3 minute depending on the differential of Room temperature & Set temperature and Cool Icon will glow on IDU Display.
3. In this mode display will show the set temperature and Set temperature can be changed from 16°C to 30°C by using the up and down Key available in Remote.
4. Fan speed can be selected by pressing FAN SPEED key available on remote and this speed can be change between Low, Medium, High or Auto speed.
5. In this COOL MODE FAN speed can be selected for TURBO Speed by pressing the "TURBO COOL" Key available on remote.
6. Swing control or Swing angle can be selected by pressing the SWING key available in remote.
7. During this mode of operation "SLEEP" functions can be enable or disable by using their respective key available in remote.

DRY MODE :-

1. DRY mode can be select by pressing the Mode key available in remote.
2. In this mode of operation, compressor will be switched on after a delay time of 3 minutes depending on the differential or Room temperature & Set Temperature and Dry Icon will glow on IDU Display.
3. In this mode display will show the set temperature and Set temperature can't be changed and it will be fixed 24°C .
4. In dry mode fan will run at low speed and it can't be changed.
5. Swing control or Swing angle can be selected by pressing the SWING key available in remote.

FAN MODE :-

1. FAN mode can be select by pressing the Mode key available in remote.
2. In this mode, Compressor will remain OFF always.
3. Fan speed can be selected by pressing FAN SPEED key available or remote and this speed can be change between Low, Medium or High speed.
4. In this mode display will show the Room temperature and this will be changing if the room ambient temperature changed.
5. Swing control or Swing angle can be selected by pressing the SWING key available in remote.

Note:-

After switching Off the Air-Conditioner with remote, the Indoor Unit fan will continue to operate for approx. 45- 60sec to dry the Evaporator coil.

Error Signals on the Display

For INVERTER MODELS

ODU Light Flash	IDU Error Code	Abnormality or Protection Description
25	EE	Indoor machine EE fault
26	E1	Indoor fan fault
27	E2	Indoor fan zero-crossing detection abnormal
28	E3	Indoor coil temperature sensor fault
29	E4	Indoor ambient temperature sensor fault
1	E0	Outdoor EE fault
2	E6	Indoor and outdoor machine communication fault
4	F1	Compressor starting abnormal (phase failure, reverse)
5	F2	Compressor out-of-step fault
6	F3	IPM module fault
7	F4	Compressor shell roof fault/protection
8	F5	Discharge temperature sensor fault
9	F6	Suction temperature sensor fault
10	F7	Outdoor coil temperature sensor fault
11	F8	Outdoor ambient temperature sensor fault
12	F9	Outdoor DC fan fault
/	E8	Outdoor communication fault
13	P1	Outdoor machine AC current protection
14	P2	Compressor phase current protection
15	P3	Outdoor unit over-high/over-low AC voltage protection
16	P4	DC voltage over-high or over-low voltage protection
17	P5	IPM over-high temperature protection
18	P6	Discharge temperature overheat protection
19	p7	Cooling indoor coil anti-freezing protection
20	P8	Cooling outdoor coil overheat protection
21	P9	Heating indoor coil overheat protection
22	pC	Cooling outdoor ambient temperature over-low protection
23	pH	Heating outdoor ambient temperature over-high protection
31	L1	Drive bus voltage over-high protection
32	L2	Drive bus voltage over-low protection
33	L3	Drive phase current overload fault
34	L4	Phase current sampling abnormal
/	EC	Refrigerant blockage/leakage

In case of any error, codes will shown on IDU display

Note: If there're other error codes, please contact qualified professionals for service.



IMPORTANT NOTE : As a part of the special in-built Auto- feature, the IDU blower runs for 45sec after it is switched off from the remote. This feature enables the removal of any water droplet/Moisture from the coil. Moisture trapped in the coil leads to mold formation leading to bad odor and unhealthy air flow.

OPERATING CONDITIONS

1. Use this air conditioner under following conditions

Mode	Cool
Indoor temperature	16°C to 30°C
Outdoor temperature	16°C to 46°C
Indoor humidity	80% or less relative humidity

- If the air conditioner operates in a high humidity environment in the cool mode for an extended period of time, condensation may occur.
2. The performance parameters refer to name plate.
 3. The waterproof level of **indoor unit** is **IP24**. **Do not** use in the **laundry** or **bathroom**.
 4. The **outdoor unit** should not be installed in a **closed area**.

Clean and Care

⚠ CAUTION

- Turn power off and pull out the power plug before cleaning air conditioner, or it may cause an 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 cloth slightly moistened with water or cleanser.)

CLEAN THE FRONT PANEL

When cleaning the front panel, please dip the cloth into lukewarm water, then dry the cloth and wipe the dirty part.

NOTE: Please do not to immerse the front panel in water, as microcomputer components and circuit diagrams on the front panel will get damaged.

CLEAN THE AIR FILTER (Recommended once every two weeks)

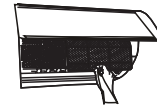
NOTE: If dust is much more around the air conditioner, the air filters should be cleaned many times. After taking off the filter, don't touch the fin of indoor unit, in order to avoid hurting your fingers.

1. Take down the air filters

At the slot of panel, pull the air filter downward and take it out, please see the Fig. 4(a, b).
(Care should be taken while opening the front panel by lifting from both sides properly)



(a)



(b)

Fig.4

2. Clean the air filter

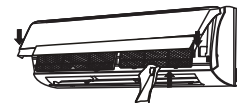
To clean the dust adhering to the filters, you can either use a vacuum cleaner, or wash them with warm water and dry it in the shade.

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



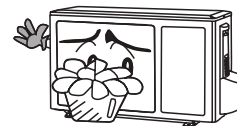
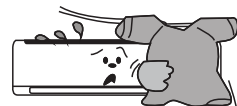
3. Insert the air filter

Reinsert the filters along the direction of arrowhead, and then cover and clasp it.



CHECK BEFORE USE

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



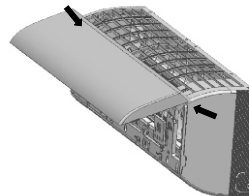
Clean and Care

GRILL DISASSEMBLY PROCESS

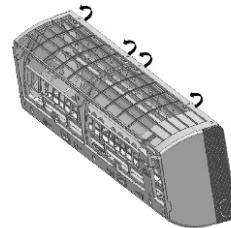
1. Open the front panel by pulling from the location as shown



2. Remove the front panel by pulling lock from insert in Front Grill



3. Pull up the lock from the top back side of the IDU unit



4. Pull the front Grill assembly once unlocked from top for easy disassembly



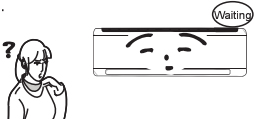

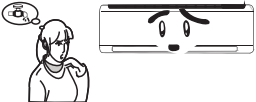

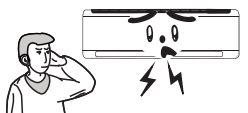
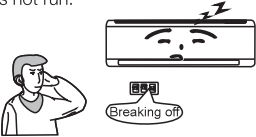
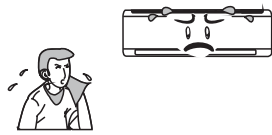
MAINTAIN AFTER USE

1. Turn main power off.
2. Clean the filter and indoor and outdoor units bodies. Clear dust and obstructions from the outdoor unit.
3. Repaint the rusted place on the outdoor unit to prevent it from spreading.
4. A protective cover is recommended above the outdoor unit, to prevent rain water and dust from entering the unit.

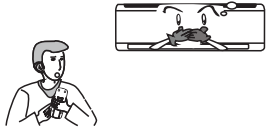
Troubleshooting

⚠ CAUTION

Dont attempt to repair the air conditioner by yourself, it can cause an electric shock or fire. Please check the following items before asking for repair, it can save your time and money.

Phenomenon	Troubleshooting
<p>Does not operate immediately when the air conditioner is restarted.</p> 	<ul style="list-style-type: none"> Once the air conditioner is stopped, Compressor will take approx. 3 minutes to restart.
<p>Theres unusual smell blowing from the outlet after operation is started.</p> 	<ul style="list-style-type: none"> The unit has no peculiar smell by itself. If so, that is due to the smell accumulated in the ambient filter. Solution method: Clean the filter. If the problem still persists, clean the air conditioner. Please contact a qualified technician.
<p>Sound of water flow can be heard during the operation.</p> 	<ul style="list-style-type: none"> While air conditioner is running, refrigerant sound can be heard when compressor gets started or stopped. This is a normal function.
<p>In COOL mode, a mist may emit from the air outlet vent.</p> 	<ul style="list-style-type: none"> When the indoor temperature and humidity are high, this phenomenon may happen. This is caused due to the room temperature dropping quickly, and will go away after the temperature and humidity are lowered
<p>Creaking noise can be heard when start or stop the unit.</p> 	<ul style="list-style-type: none"> This is caused by the deformation of plastic due to the changes in temperature.
<p>The unit does not run.</p> 	<ul style="list-style-type: none"> Has the power been shut down? Is the power plug loose? 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 filter dirty? Are the windows and doors closed? Was Fan speed set at low speed? Is there any heat source in the room?

Troubleshooting

Phenomenon	Troubleshooting
<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 should to pull out the plug, and reinsert it. Is the remote within operating range or obstructed by any cloth or item? Check if the batteries need replacement. Whether the wireless remote control is damaged.
<p>There is water leakage in the room from the unit</p>	<ul style="list-style-type: none"> The air humidity is on the high side. Condensing water is overflowing as leakage. Pipe connection to indoor unit is loose.
<p>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 cooling down. When the unit is running in Auto Defrosting mode the ice thaws and flows out.
<p>Noise from indoor unit emitted.</p>	<ul style="list-style-type: none"> The sound of fan or compressor relay switching on or off. When defrosting is started or stopped, the refrigerant starts flowing in reverse direction causing the sound due to compressor switching.
<p>Indoor unit does not blow air.</p>	<ul style="list-style-type: none"> In dehumidifying mode, indoor fan may stop to avoid condensing water from vaporizing again.
<p>Moisture on air outlet vent.</p>	<ul style="list-style-type: none"> If unit is running in highly humid conditions for a long time, the moisture will condense and drip from the vent.

Immediately stop all operations and pull the plug out in the following situations. Contact a qualified service technician to review.

- There are loud noises during operation.
- There is a strong smell emitted when operating.
- Water is leaking in the room, more than due to condensation.
- Protetction switch breaks often.
- Water or liquids are splashed accidentally into the unit.
- Heat is observed in power supply cord or plug.

▶ Stop running and pull out the plug.

Instructions for Installation

SELECTION OF INSTALLATION POSITIONS FOR INDOOR UNIT

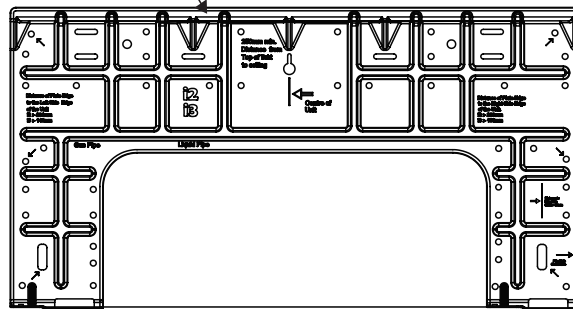
- To be installed at the position where the air delivered from the unit can reach every corner of the room;
- Avoid being affected by the outdoor air;
- Avoid blockage to the air inlet or outlet of the unit;
- Avoid too much oil, smoke or steam;
- Avoid possible generation, inflow, lingering or leakage of flammable gases;
- Avoid high-frequency facilities (such as high frequency arc welders, etc);
- Avoid the places where acid solutions are frequently used;
- Avoid the places where some special sprayers (sulfides) are frequently used;
- Do not install on top of the musical instruments, TV, computer, etc. valuable appliance;
- Do not install a fire alarming device near the air outlet of the unit (during operation, the fire alarm device might be erroneously triggered by the warm air from the unit);
- Do not install the indoor unit in the following areas:
 - Area filled with minerals, splashed oil, or steam. It will deteriorate plastic parts, causing failure or leakage.
 - Area that is close to heat sources.
 - Area that produces substances such as sulfuric gas, chlorine gas, acid, and alkali. It may cause corrosion of the pipings and brazed joints.
 - Area that can cause leakage of combustible gas and suspension of carbon fibers, flammable dust, or volatile flammables.
 - Area where refrigerant leaks and settles.
 - Area where animals may urinate on the product. Ammonia may be generated.
- Do not use the indoor unit for preservation of food items, plants, equipment, and art works. This may cause deterioration of their quality.
- Do not install the indoor unit if it has any drainage problem.

Instructions for Installation

Make sure there is enough space for installation and maintenance.

- To take into consideration the operational convenience and safety in installation, it is recommended to ensure enough space between the unit and the walls

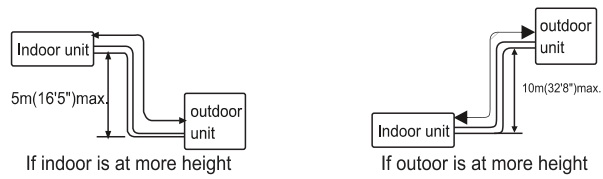
Place a leveler and make sure plate is completely horizontal.



Attention: If there are some additional function devices to install on the air conditioner, be sure to add to the installation space for the function devices.

Height limits of indoor and outdoor units.

- Either the indoor unit or the outdoor unit can be higher, but the height difference must comply with the stated requirements.
- Try to reduce the bending of the piping line as much as possible so as to avoid possible negative impacts on the performance of the units.



Instructions for Installation

SELECTION OF INSTALLATION POSITIONS FOR OUTDOOR UNIT

- To install the outdoor unit at places which can stand the load of the machine weight and will not cause big vibrations and noises;
- To install the unit at the places that are not exposed to rain or direct sunshine, and places with good ventilation;
- Avoid blockage to the air inlet or outlet of the unit;
- The noises generated from the unit should not affect the neighbouring places;
- Do not install the unit on non-metal frame;
- Do not install the unit at the places where there might occur the generation, inflow, stagnation or leakage of inflammable gases;
- Pay attention to the drainage of the condensed water from the base plate during operations;
To avoid the air outlet being directly against the wind.
- The outdoor unit shall be installed in an open space that is always ventilated.
- The local gas regulations shall be observed.
- To handle, purge, and dispose the refrigerant, or break into the refrigerant circuit, the worker should have a certificate from an industry-accredited authority.

Instructions for Installation

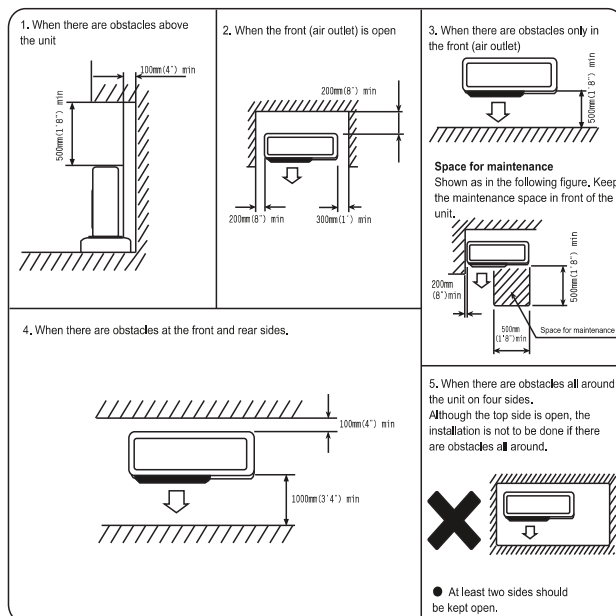
■ Safety Information on Installation

Installation of the outdoor unit

- While in installation or relocation of the product, do not mix the refrigerant with other gases including air or unspecified refrigerant. Failure to do so may cause pressure increase to result in rupture or injury.
- Do not cut or burn the refrigerant container or pipings.
- Use clean parts such as manifold gauge, vacuum pump, and charging hose for the refrigerant.
- Installation must be carried out by qualified personnel for handling the refrigerant. Additionally, reference the regulations and laws.
- Be careful not to let foreign substances (lubricating oil, refrigerant, water, etc.) enter the pipings. The application of oil or refrigerant deteriorates the pipings to result in drain leakage. For storage, securely seal their openings.
- When mechanical ventilation is required, ventilation openings shall be kept clear of obstruction.
- For disposal of the product, follow the local laws and regulations.
- Do not work in a confined place.
- The work area shall be blocked.
- The refrigerant pipings shall be installed in the position where there are no substances that may result in corrosion.
- The following checks shall be performed for installation:
 - The charging amount depends on the room size.
 - The ventilation devices and outlets are operating normally and are not obstructed.
 - Markings and signs on the equipment shall be visible and legible.

- Upon leakage of the refrigerant, ventilate the room. When the leaked refrigerant is exposed to flame, it may cause generation of toxic gases.
- Make sure that the work area is safe from flammable substances.
- To purge air in the refrigerant, be sure to use a vacuum pump.
- Note that the refrigerant has no odour.
- The units are not explosion proof so they must be installed with no risk of explosion.
- This product contains fluorinated gases that contribute to global greenhouse effect. Accordingly, do not vent gases into the atmosphere.
- Because the working pressure for R-32 is 1.6 times higher than that for R-22, use exclusive pipings and tools specified. In case of replacing an R-22 model with an R-32 model, be sure to replace the conventional pipings and flare nuts with exclusive ones.
- The models that use the refrigerant R-32 have a different thread diameter for the charging port to prevent charging failure. Therefore, check its diameter (1/2 inch) in advance.
- Servicing shall be performed as recommended by the manufacturer. In case other skilled persons are joined for servicing, it shall be carried out under supervision of the person who is competent in handling flammable refrigerants.
- For servicing the units containing flammable refrigerants, safety checks are required to minimise the risk of ignition.
- Servicing shall be performed following the controlled procedure to minimize the risk of flammable refrigerant or gases.
- Do not install where there is a risk of combustible gas leakage.
- Do not place heat sources.
- Be cautious not to generate a spark as follows:
 - Do not remove the fuses with power on.
 - Do not disconnect the power plug from the wall outlet with power on.
 - It is recommended to locate the outlet in a high position. Place the cords so that they are not tangled.

Detail space requirements around the outdoor unit



Instructions for Installation

INSTALLATION FIXTURE OF INDOOR UNIT

Pipelines can be connected in the directions of **1**, **2**, **3** and **4** as indicated in **Fig. 1**. When the pipelines are connected to the directions of **3** and **4** a groove for the pipes has to be opened at the proper place on the base stand.

1. Installation of wall-mounting plate

Fix the wall-mounting plate firmly on the wall with screws. Make sure of the leveling of the plate. Slanted wall-mounting plate might jeopardize the smooth discharge of the condensed water.

- For the product that uses the R-32 refrigerant, Install the indoor unit on the wall 1.8m or higher from the floor.

2. Drill holes on the wall

Drill holes at places slightly below the wall-mounting plate with hole diameter of 65mm (2-3/5) and the outer edge of the hole 5-10mm (1/5-2/5) lower (**Fig. 2**) so that the condensed water can smoothly flow out. Cut the wall penetrating pipe to proper length accordingly to the thickness of the wall (3-5mm (1/10-1/5) longer than the wall thickness) and insert the pipe as indicated in **Fig. 2**.

3. Installation of drain pipe

Install the pipelines of the indoor unit in accordance with the direction of the wall holes. Wrap tightly the drain pipe and the pipelines with tape. Make sure that the drain pipe is underneath the pipelines. (**Fig. 3**) (When the drain pipe passes the room interior, some condensed water might occur to its surfaces if the humidity is very high).

4. Installation of indoor unit

Pass the connections wires, connecting pipelines and drain pipe through the wall hole. Hang the indoor unit on the hooks at the top of the wall-mounting plate so that the hooks at the bottom of the indoor unit match the hooks of the wall-mounting plate. (**Fig. 4**)

Fig.1

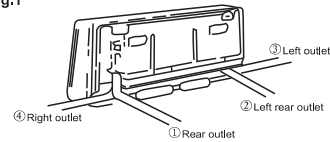


Fig.2

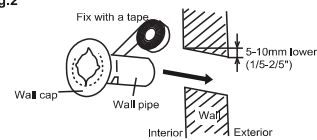


Fig.3

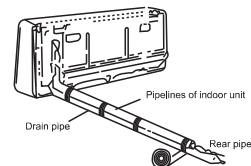
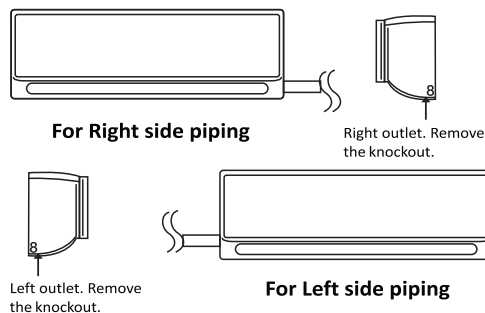
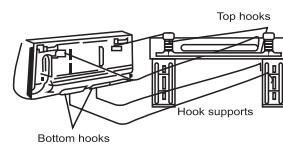


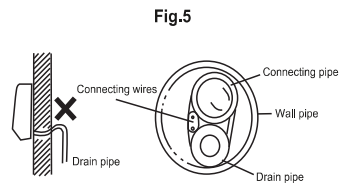
Fig.4



Instructions for Installation

INSPECTIONS

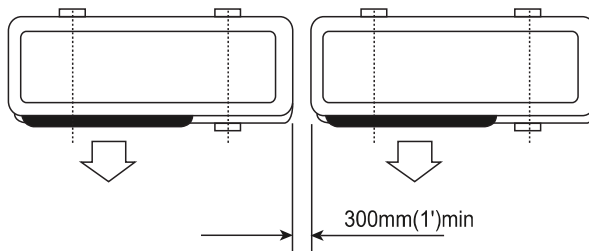
- a. Check if the hooks at the top and bottom are firmly fixed.
- b. Check if the position of the master unit is properly leveled.
- c. The drain pipe should not curve upward (**Fig. 5**)
- d. The drain pipe should be at the lower part of the wall pipes (**Fig. 5**)



INSTALLATION FIXTURE OF OUTDOOR UNIT

- Try to ship the product to the installation in its original package;
- As the gravity center of the unit is not at the installation center, special caution should be taken when using hoisting cables to lift it up;
- During shipping, the outdoor unit must not be slanted to over 45 degrees (Do not store the unit in a horizontal way).
- Use expansion bolts to fix the mounting supports on the wall;
- Use bolts and nuts to fix the outdoor unit firmly on the supports and keep on the same level;
- If the unit is installed on the wall or at the rooftop, the supports have to be firmly fixed so as to resist earthquake or strong wind.

Dimensions for parallel units installations



ORDINARY PIPELINES CONNECTION & AIR PURGING

- The following ordinary pipelines connection and air purging procedures are just suitable for non-quick coupler model.

Ordinary pipelines connection

No dust, foreign particles, air or moisture should be allowed to enter the air conditioning system. Carefully attention should be paid when pipeline connection for outdoor unit is made. Try to avoid repeated curves as much as possible, otherwise hardening or cracks might be caused to the copper pipes. Suitable wrenches should be used when the pipeline connection is done so as to ensure appropriate torque (refer to following torque Table 1) Excessive torque might damage the joints while too little torque might lead to leakage.

Instructions for Installation

Table 1: Torque based upon the wrench to be used

Hex nut diameter	Tightening torque (N.m)
Ø 6.35 (1/4")	15~20
Ø 9.52 (3/8")	30~40
Ø 12.7 (1/2")	45~55
Ø 15.88 (5/8")	60~65
Ø 19.05 (3/4")	70~75

Tighten the nuts to the specified torques. If over tightened the nuts could be broken so refrigerant may leak.

Air purging with vacuum pump

- 1 Check that pipelines connection have been properly connected, remove the charging port cap, and connect the manifold gauge and the vacuum pump to the charging valve by service hoses as shown **Fig. 6**.
2. Open the valve of the low pressure side of manifold gauge, then run the vacuum pump. Vacuum the indoor unit and the connecting pipes until the pressure in them lowers to below 1.5mmHG (The operation time for vacuuming is about 10 minutes). When the desired vacuum is reached, close the valve of the low pressure of the manifold and stop the vacuum pump.
3. Disconnect the service hoses and fit the cap to the charging valve.
4. Remove the blank caps, and fully open the spindles of the 2-way and 3-ways valves with a service valve wrench.
5. Tighten the blank caps of the 2-way and 3-ways valves, applying the above torque Table 1.

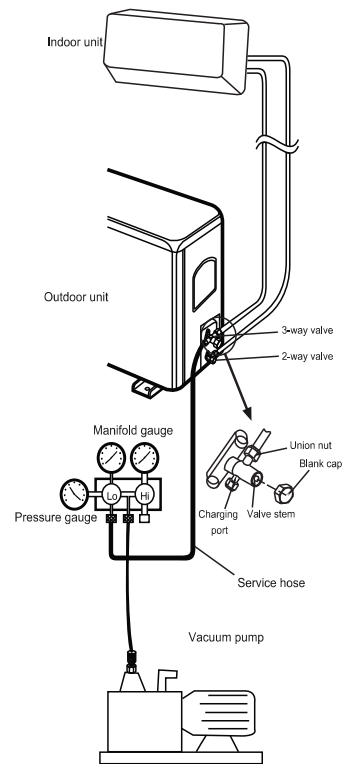


Fig.6

Instructions for Installation

CAUTION

- Keep the piping length at a minimum to minimize the additional refrigerant charge due to piping extension. (Maximum allowable piping length: 15 m (for AR12RG3BAWKNNNA) and 20m (for AR18RG3BAWKNNNA).
- When connecting the pipes, make sure that surrounding objects do not interfere with or contact them to prevent refrigerant leakage due to physical damage.
- Make sure that the spaces where the refrigerant pipes are installed comply with national gas regulations.
- Be sure to perform works such as additional refrigerant charging and pipe welding under the conditions of good ventilation.
- Make sure that the refrigeration system is earthed before charging.
- Label the system after charging, if necessary.
- Extreme care is required not to overcharge the system.
- Before recharging, the pressure shall be checked with nitrogen blowing.
- After charging, check for leakage before commissioning.
- Be sure to check for leakage before leaving the work area.
- Be sure to perform welding and piping works for mechanical connections under the conditions that the refrigerant does not circulate.
- When reconnecting the pipes, make sure to perform flared-jointing newly to prevent refrigerant leakage.
- When working on the refrigerant pipes and the flexible refrigerant connectors, be careful that they are not damaged physically by surrounding objects.

Adding Refrigerant

- If You use Pipe Length Longer than 3m, we must add Additional R32 Refrigerant for each Extra meter as shown in Below Table

Model Name	Standard Piping Length (m)	Max Piping Length(m)	Max Piping Height(m)	Additional Refrigerant (g/m)
1.0 Ton Inv.	3	15	10	15
1.5 Ton Inv.		20		
2.0 Ton Inv.		20		

Precautions on adding the R-32 refrigerant

In addition to the conventional charging procedure, the following requirements shall be kept.

- Make sure that contamination by other refrigerants does not occur for charging.
- To minimize the amount of refrigerant, keep the hoses and lines as short as possible.
- The cylinders shall be kept upright.

Gas Leakage Inspection

After the pipeline connection is done, use a leakage inspection device or soap suds to carefully check if there is any leakage at the joints. This is an important step to ensure the quality of installation. Once a leakage is detected, proper treatment should be taken immediately.

Instructions for Installation

IS THE UNIT INSTALLED CORRECTLY?

Suitable installation position

Make sure there is nothing that prevents ventilation or obstructs operation in front of the unit. Do not install the unit in the following places:

- Inflammable gases may leak.
- Oil splashes a lot.
- Air conditioner body and remote controller must be 1mtrs. (399-3/4) or more away from a TV or a radio. Drain the dehumidified water from the indoor unit to a place which drains well.

Pay attention to operation noise

- When installing the unit, choose a place which can stand the weight of the unit well and does not increase the operation noise or vibration. Especially where there is a possibility that vibration be transmitted to the house, fix the unit by inserting attached vibration-proof pads between the unit and fittings.
- Choose a place where hot air and operation noise from the outlet of the outdoor unit do not annoy the neighborhood,
- Things left near the outlet and inlet of the outdoor unit cause malfunction or increased operation noise. Do not leave obstacles near the outlet and inlet.
- If irregular sound is heard during operation, consult with a qualified service technician.

Inspection and Maintenance

- According to the service conditions and operating environment, the inside of the air conditioner will become dirty after several seasons (3 to 5 years) of service, resulting in decreased operating performance. Inspection and maintenance are recommended in addition to usual cleaning (The air conditioner can be used for a longer period and without anxiety)
- We recommend to perform inspection and maintenance during off seasons.

Instructions for Installation

Performing the gas leak tests for repair

In case of repair of the refrigerant circuit, the following procedure must be kept to consider flammability.

1. Remove the refrigerant.
2. Purge the refrigerant circuit with inert gas.
3. Perform evacuation.
4. Purge the circuit again with inert gas.
5. Open the circuit.
6. Perform repair work.
7. Charge the system with refrigerant.
8. Flush the system with nitrogen blowing for safety.
9. Repeat the previous steps several times until no refrigerant is within the system.

CAUTION

- Compressed air or oxygen shall not be used.
- Flush the system with nitrogen blowing, fill the refrigerant until the working pressure is reached, ventilate to atmosphere, and then pull down to a vacuum state.
- For the final nitrogen blowing charge, the system shall be ventilated down to atmospheric pressure.
- The procedure is absolutely vital in case of brazing on the pipings.
- Make sure that the outlet of the vacuum pump is not closed to any ignition sources and there is ventilation available.
- Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current permitted for the air conditioner.

Decommissioning

The following requirements must be fulfilled before and while taking the decommissioning procedure:

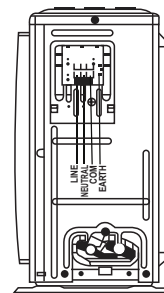
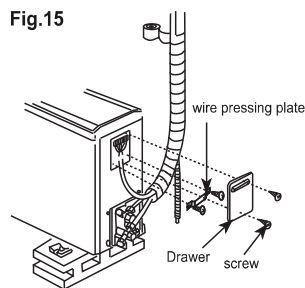
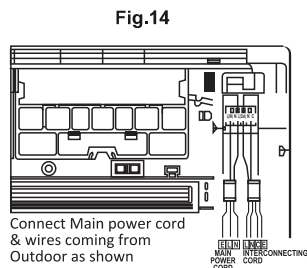
- Before decommissioning, the worker shall be familiar with the product details.
 - The entire refrigerant shall be recovered safely.
 - Before starting the process, oil and refrigerant samples shall be taken just in case analysis is required for reuse.
 - Before starting the process, power supply must be available.
1. Be familiar with the equipment details.

2. Isolate the system electrically.
3. Before starting the process, make sure that:
 - Any mechanical equipment is available for handling refrigerant cylinders.
 - All PPE (personal protective equipment) is available for servicing.
 - The recovery process shall be supervised by a competent person.
 - The recovery equipment and cylinders comply with the standards.
4. Lower the refrigeration system, if possible.
5. If vacuuming is not possible, make a manifold so that refrigerant can be easily removed from the parts of the system.
6. Make sure that the cylinders are placed on the scales before recovery.
7. Run the recovery system in accordance with the manufacturer's instructions.
8. Do not overcharge the cylinders. (No more than 80 %)
9. Be sure to keep the cylinder within the maximum working pressure, even temporarily.
10. After charging, make sure that the cylinders and the equipment are promptly removed from the site and all isolation valves are closed.
11. Recovered refrigerant shall not be charged into other refrigeration system unless it is cleaned and checked.

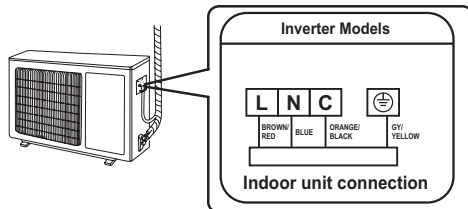
Instructions for Installation

CONNECTION OF POWER CABLE

- 1 Remove the drawer of the outdoor unit.
- 2 **Non-quick coupler:** Connect the indoor power and control wires with the matched outdoor wires in accordance with the electric schematic diagram and make sure that the connection is firmly done (Fig. 15)
- 3 **Optional steps:** In some cooling and heating models, you should connect the indoor wire connector with outdoor probe wire connector for defrosting.



Note: Do not connect the wires in a wrong way, otherwise electric malfunctions will be caused and even damages to the units will occur. The appliance shall be installed in accordance with national wiring regulation. If the supply cord is damaged, it must be replaced by qualified person in order to avoid a hazard. The plug shall be accessible after installing the appliance. If the model does not have a plug, a switch which will have a contact separation of atleast 3 mm in all poles shall be added.



Note :- Please refer actual wiring drawing

Model Name	Wire Specification	Voltage
1.0 Ton Models	1.0mm ² x 4 core	1100V
1.5 Ton Models	1.5mm ² x 4 core	1100V

Note : Please use Connecting Cables provided by Samsung cables with O-Ring type connection is mandatory.

FINISHING TOUCHES

- Wrap the pipelines tightly with ethylene tapes.
- Fix the wrapped pipelines on the exterior wall with clamps.
- Fill in the gaps left over by the pipeline hole and wall hole to prevent rain-water from entering.

TEST RUNNING

- Connect to the power source, check if the function selection keys on the remote controller are working properly.
- Check if the room temperature adjustment and timer settings are working properly.
- Check if the drain is smooth.
- Check if there is any abnormal noise or vibration during operation.
- Check if there is leakage of refrigerant.
- In order to get the Rated Capacity, follow the steps:
 - ***Swing Angle:** Default Swing Angle
 - ***Fan Speed:** Turbo Speed

Instructions for Installation

TEST RUNNING

- Connect to the power source, check if the function selection keys on the remote controller are working properly.
- Check if the room temperature adjustment and timer settings are working properly.
- Check if the drain is smooth.
- Check if there is any abnormal noise or vibration during operation.
- Check if there is leakage of refrigerant.

FULL LOAD TESTING









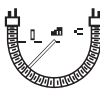

1. To enable the test mode, switch on the Unit and set it to "Cooling" Mode.
2. Set temp. as "16°C" and fan speed to "High".
3. Press "Display" Key from Remote 8 times continuously within 10 Seconds.
4. As the test mode gets enable, twice buzzer sound will come with whole LED Light panel lights up and starts blinking on indoor display.

HALF LOAD TESTING

1. To enable the test mode, switch on the Unit and set it to "Cooling" Mode.
2. Set temp. as "17°C" and fan speed to "High".
3. Press "Display" Key from Remote 8 times continuously within 10 Seconds.
4. As the test mode gets enable, twice buzzer sound will come with whole LED Light panel lights up and starts blinking on indoor display.

Instructions for Installation

INSTALLATION GUIDE

<p>To keep the allowed bending radius, please expand the packed soft pipes first.</p>		<p>Please do not expand only one side of the packed soft pipes.</p>	
<p>Please make use of semicircle pulley to keep the allowed bending radius.</p>		<p>Extreme bending could damage the pipes.</p>	
<p>Please use twisting wheel to avoid improper bending.</p>		<p>Over length soft pipes will lead to irregular bending.</p>	
<p>Please use rigid elbow to maintain allowed bending radius.</p>		<p>Undersize bending will damage the soft pipe.</p>	
<p>Please keep the minimum bending radius while installing.</p>		<p>Short pipes will result in bending more than the allowed radius.</p>	

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Helpline - Call : 1800 40 SAMSUNG (7267864) / 1800 5 SAMSUNG (7267864)



This warranty card gives the key points related to warranty claim. for further details log on to www.samsung.com/in/support.

Warranty Card

*TERMS & CONDITIONS

1. Proof of purchase is a pre-requisite to claim warranty.
2. The product should have been purchased from an authorised Samsung Sales Dealer in India.
3. Warranty can be claimed only if the repair was carried out by the Samsung authorised service center.
4. Carry-in service or In-Home service applicability depends on the product category and Samsung policy.
5. Free installation or demo of the product, if applicable, can be availed only once and within 6month from the date of purchase. In case of installation, any additional material required over and above the standard installation kit shall be on the chargeable basis.
6. In case of defective accessory, only the accessory will be repaired or replaced.
7. Cosmetic/ Aesthetic / Plastic / Glass Parts /Bulbs / Cable /Wiring / Piping/ Consumables are not covered under warranty.
8. The defective parts/ products which were replaced by Samsung under this warranty shall be the property of Samsung.
9. While carrying out repair, Samsung may use accessories or parts that are new or refurbished or reconditioned.
10. Samsung shall not be liable for any losses or consequential losses due to product failure or the installed software.
11. Samsung shall be free to decide on whether or not to provide a software update for its products.
12. Samsung shall not be responsible for any loss or misuse of data, personal information, setting, third party software during product usage or repair or software update.
13. Samsung shall not be liable for any loss, cost, expense, inconvenience or damage that may result from use inability to use the product. Under no circumstances shall Samsung be liable for any loss, cost, expense, inconvenience or damage exceeding the purchase price of the product.
14. Defects caused by customer negligence, tampering shall void the product warranty.
15. Any extended/addition warranty offered by Samsung has to be supported by relevant proofs.
16. Usage of power stabilizers of proper rating is necessary unless explicitly mentioned by Samsung on product literature/instruction booklet.
17. In case of defect arising out of installation done by party other than Samsung authorised party, the limited warranty will be applicable as per revised T&C as Samsung shall deem fit.
18. Regular upkeep, maintenance and cleaning of parts are necessary in certain products. Such periodic maintenance shall be on chargeable basis unless otherwise provided and not covered under warranty.
19. In the event of any unforeseen circumstances, and spares not being available Samsung's prevailing depreciation rules will be binding on the purchaser and same shall be considered as a commercial solution in lieu of repairs.
20. Defects arising out of the following are not covered under warranty like Mishandling/Misuse, Improper ventilation, Improper voltage, Use of external material, Normal wear and tear, Physical damage and / or electrical damage caused by physical impact.
21. Complaints related to playability, printability, compatibility with external accessories, software, file systems, third party applications, CODEs, signals, Networks & ISP bandwidth shall not be considered as defect in product and not covered under warranty.
22. This warranty covers only the defects in products arising out of manufacturing or faulty workmanship.
23. This warranty covers repair/replacement of parts.
24. Warranty period of parts & accessories may vary from product to product.
25. Maximum liability out of this warranty is limited to the product purchase value/MRP.
26. No warranty on certain parts/conditions/types of product failures.
27. Under certain conditions where warranty obligations cannot be met, depreciation will be applicable on the existing product.

CUSTOMER DETAILS CUM WARRANTY CARD

Model No.: _____ Customer copy (to be retained by customer):
Product Serial No.: _____ Date of Purchase: _____
Name: _____
Address in Full: _____
Telephone No.: _____ Model No: _____
Dealer Name & Address : _____

Customer's Signature & Date
(I accept the Terms & Conditions of warranty)

Dealer 's Signature with rubber stamp

MEMO

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Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

For more information on safe disposal and recycling, visit our website www.samsung.com/in/support or contact our Helpline numbers -

1800 40 SAMSUNG (1800 40 7267864) / 1800 5 SAMSUNG (1800 5 7267864)



Correct disposal of batteries in this product

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66.

QUESTIONS OR COMMENTS?

COUNTRY	CALL	OR VISIT US ONLINE AT
INDIA	1800 40 SAMSUNG (1800 40 7267864) (Toll-Free) 1800 5 SAMSUNG (1800 5 7267864) (Toll-Free)	www.samsung.com/in/support

This product is RoHS compliant



This appliance is filled with R-32

ACI3PR26201