

Split Type Inverter Room Air Conditioner OPERATION MANUAL

MODELS

AY-X24MCJ AE-X24MCJ

Thank you for selecting SHARP air-conditioner. Please read this manual carefully before operation and keep it for further reference.



Operation and maintenance

Notices for operation1
Notices for use
Name and function of each part4
Operation of wireless remote control
Emergency operation
Care and cleaning
Troubleshooting

Installation service

Notices for installation	16
Installation dimension diagram	18
Installing indoor unit.	19
Installing outdoor unit	21
Test operation and check after installation	23
Specifications	24

NOTE: All the pictures in this manual are just schematic diagrams. The actual product is the standard.

This symbol stands for the items that should be prevented.



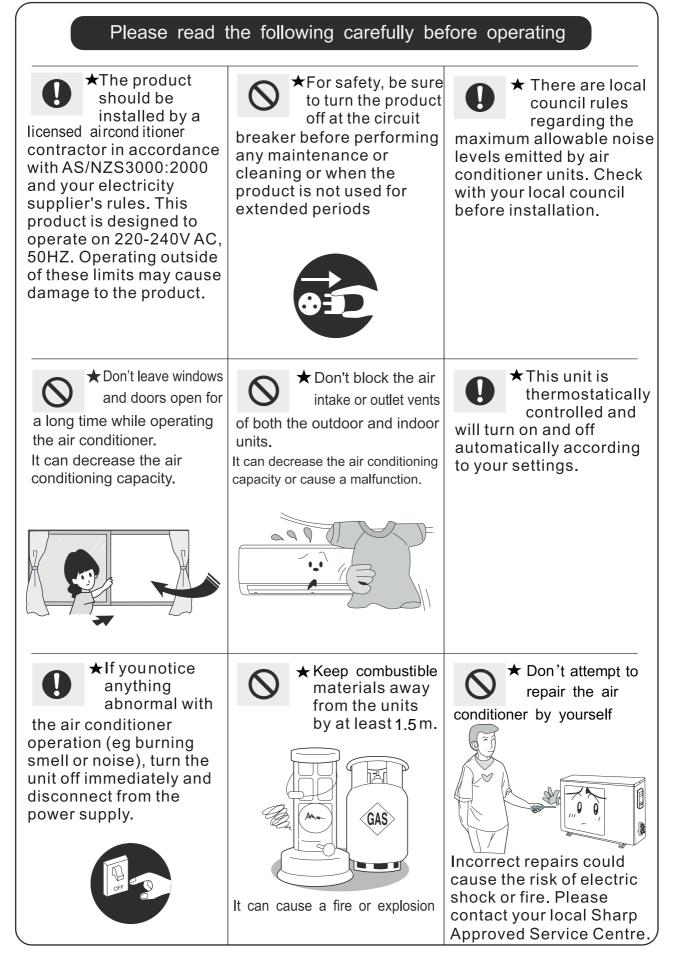
This symbol stands for the items that should be followed



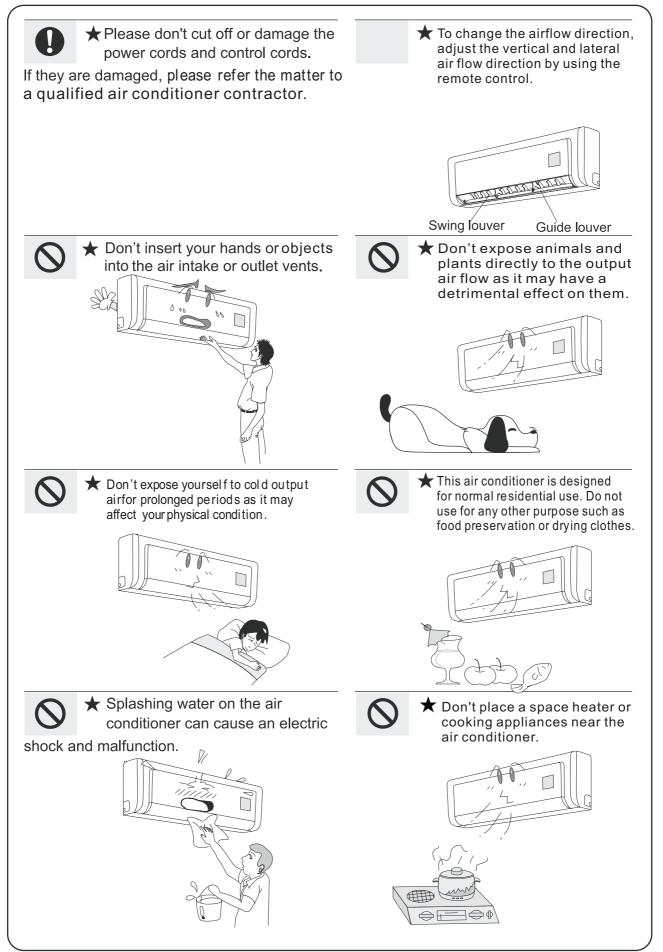
Do not dispose this product as unsorted municipal waste. Collection of such waste should be separated for special treatment as required by local regulations.



Notices for operation







Notices for use

Working principle and special functions for cooling

Principle:

Air conditioners absorb heat in the room and transmits it to the outdoor unit, so that indoor ambient temperatures are decreased. Its cooling capacity will increase or decrease according to outdoor ambient temperature.

Anti-freezing function

If the unit is running in COOL mode and in low ambient temperature, frost may be formed on the heat exchanger. When indoor heater exchanger temperature decreases below zero, the indoor unit microcomputer will stop the compressor running to protect the unit.

Working principle and special functions for heating

Principle:

* Air conditioners absorb heat from outdoors and transmit it to the indoor unit, increasing room temperature. Heating capacity will decrease in lower ambient temperatures.

Defrosting:

- * When outdoor temperature is low but high humidity, frost may form on the outdoor unit during extended operation, affecting heating efficiency. The air conditioner operation may stop for 8-10mins during auto defrosting function.
- * During the auto defrosting, the fan motors of indoor unit and outdoor unit will stop.
- * During auto defrosting, the indoor indicator flashes and the outdoor unit may emit vapour. This is not a malfunction.
- * After defrosting has finished, the heating operation will recover automatically.

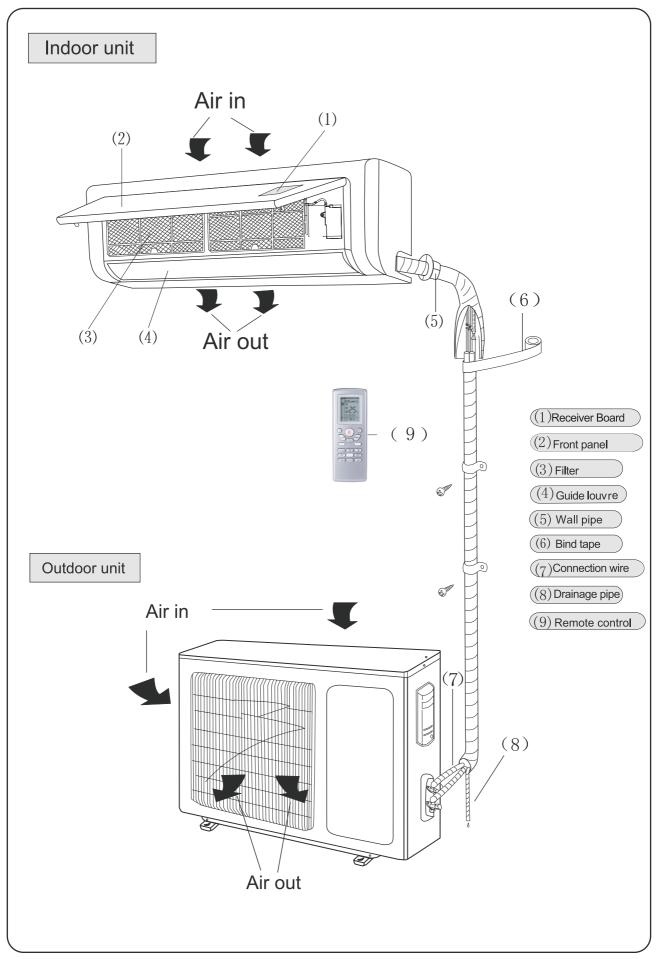
Anti-freezing function:

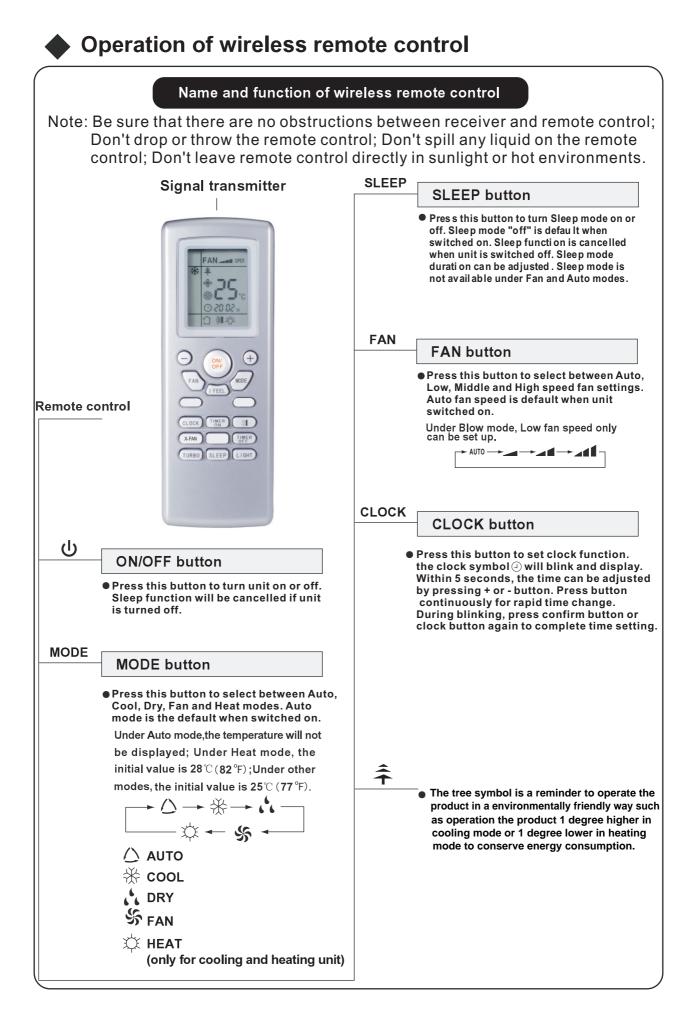
In "HEAT" mode, if in the following situations, the operation of indoor unit maybe delayed until the heat exchanger has achieved a certain temperature.

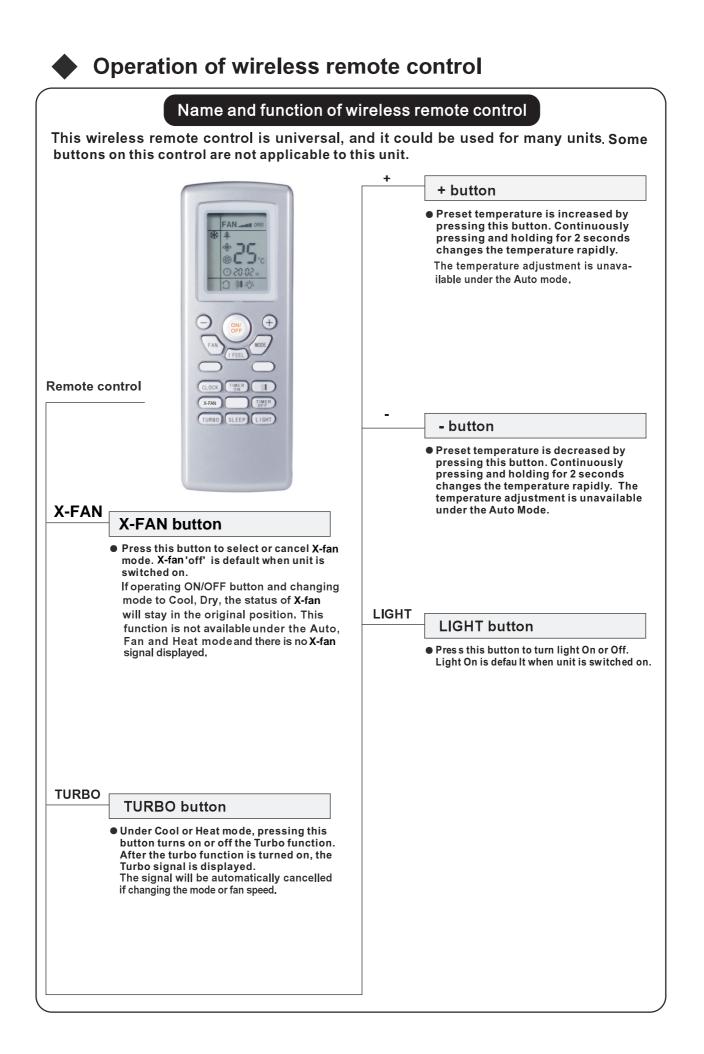
(Within 3mins)

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

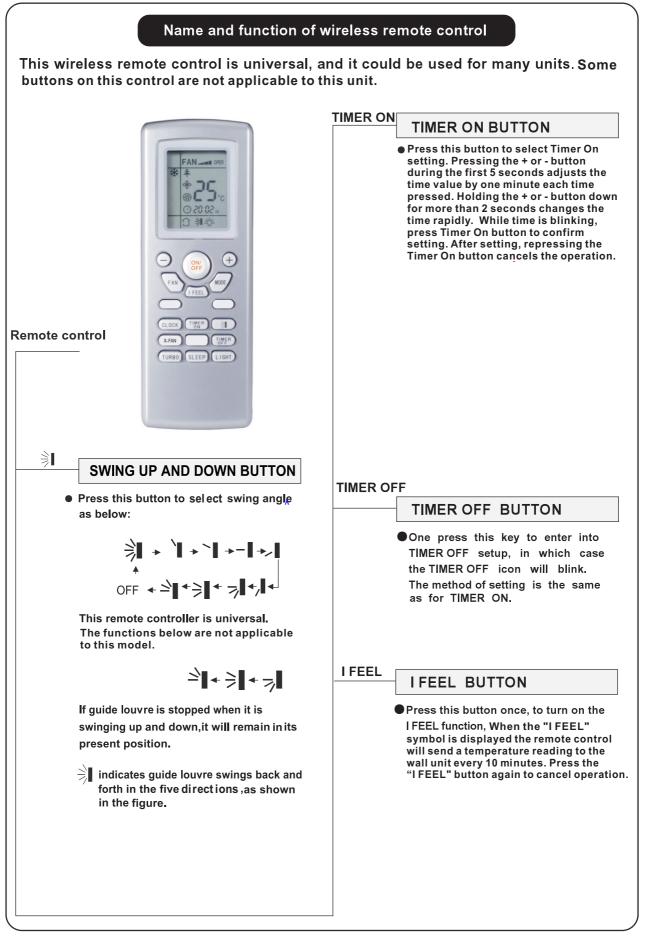
Name and function of each part













Operation of wireless remote control

Guide for operation- general operation

1

4

(2)

5

(2)

3

- 1. Press On/Off button to start or stop operation. (Note: When it is powered off, the guide louvre of main unit will close automatically.)
- 2. Press MODE button to select desired running mode, or press COOL or HEAT mode to enter into the corresponding operation directly.
- 3. Press + or button, to set the desired temperature (It is unnecessary to set the temp. at AUTO mode.)
- 4. Press FAN button to set fan speed to AUTO FAN, LOW, MID and HIGH.
- 5. Press \Rightarrow button, to select the swing.

Guide for operation- Optional operation

- 1. Press SLEEP button, to set sleep.
- 2. Press TIMER ON and TIMER OFF button to set the scheduled timer on or timer off.
- 3. Press LIGHT button to switch On or Off the display on the main unit. (This function may be not available for some models).
- 4. Press TURBO button to switch ON and OFF.

Introduction for special function

★ About X-FAN function

This function indicates that the fan will continue to x-fan after the unit is stopped to remove moisture on evaporator of indoor unit to avoid mould.

- 1. Having set X-FAN function on: After turning off the unit by pressing ON/OFF button indoor fan will continue running for about 10 min. at low speed. In this period, press X-FAN button to stop indoor fan directly.
- 2. Having set X-FAN function off: After turning off the unit by pressing ON/OFF button, the X-FAN function is not operated.

★ About AUTO RUN

When AUTO RUN mode is selected, the set temperature will not be displayed on the LCD, the unit senses the room temperature automatically to select a suitable running method for room comfort.

★ About TURB0 function

When TURBO mode is selected the unit will run at super-high fan speed to cool or heat quickly so that the ambient temp. approaches the preset temp. as soon as possible.



About lock

Press +and - buttons simultaneously to lock or unlock the keyboard. If the remote controller is locked, the icon i will be displayed on it, in which case, press any button, the mark will flicker for three times. If the keyboard is unlocked, the mark will disappear.

\bigstar About swing up and down

- 1. To set the guide louvre to a desired position, press Swing Up and Down button continuously for more than 2 seconds and hold until desired position is achieved. Releasing the button now stops the swinging at the desired position.
- 2. After Swing Up and Down mode is switched on, pressing the button again within 2 seconds circulates between the various settings. If button is pressed more than 2 seconds later, the function is switched off.

★ About switch between Fahrenheit and Centigrade

Under status of unit off, press MODE and – buttons simultaneously to switch $^\circ C \text{ and }^\circ F$.

★ About defrosting

To turn defrost function On or Off press Mode button and X-fan button simultaneously when remote control is powered off. When the unit is under defrost mode, remote controller will display H1. If heat mode is selected, the position will display H1, which flickers for 5s, in which case, pressing+/- button, H1 will disappear and setting temp. will be displayed.

If Defrost function has been selected, it will continue even if the unit is switched off by the remote control. If settings are changed, they will only be carried out after defrosting is finished.

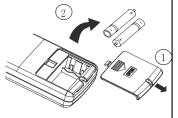
After remote controller is powered on, the defrost function will be switched off.

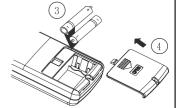
Changing batteries

- 1. Remove the battery cover plate from the rear of the remote control. (As shown in the figure).
- 2. Take out the old batteries.
- 3. Insert two new AAA1.5V dry batteries, and pay attention to the polarity.
- 4. Replace the battery cover plate.

★ NOTE:

- When changing the batteries, do not use old or different batteries, otherwise, it can cause malfunction of the wireless remote control.
- If the wireless remote control will not be used for a long time, please remove batteries to prevent damage from leaking batteries.
- If the wireless remote control does not operate normally, please take the batteries out and replace them after 30 seconds. If still not operating properly, replace the batteries.





Sketch map for changing batteries



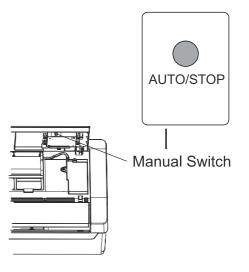
Emergency Operation

Emergency Operation

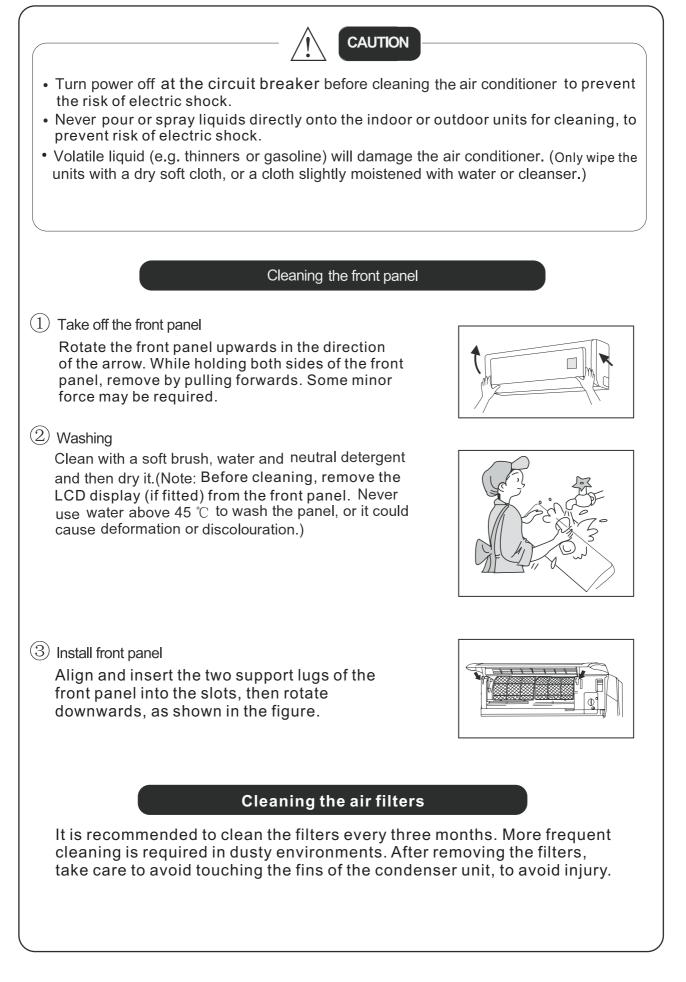
When the wireless remote control is lost or damaged, please use the manual switch on the main unit. Operation will be in Auto Run mode and the temperature setting or fan speed cannot be changed.

The manual switch can be operated as follow:

- To operate: Press the AUTO/STOP button and the unit will enter into AUTO RUN mode. The microcomputer will monitor the room temperature to select the (COOL, HEAT, FAN) mode automatically, to obtain the comfortable effect.
- To turn off: Press the AUTO/STOP button to switch the unit off.



Care and Cleaning



Care and Cleaning

(1) Removing the air filter

Rotate the front panel upwards in the direction of the arrow. Pull the air filter downwards and remove from the unit.

② Cleaning

To clean the dust adhering to the filters, you can either use a vacuum cleaner, or wash them with warm soapy water (water temperature should be below 45 $^\circ\!C$) and leave to dry naturally in a shady location.

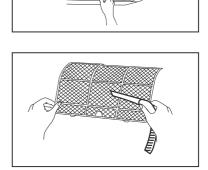
NOTE: Never use water above 45 °C to wash, or it can cause deformation or discolouration.Never dry it with a heater or open flame, as fire or deformation may occur.

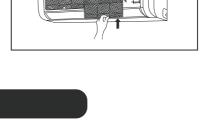
3 Reinsert the filters

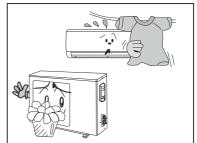
Reinsert the filters in the direction of the arrows, then close the front panel.

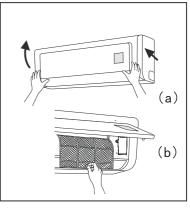


- 1 Be sure that nothing obstructs the air outlet and intake vents.
- (2) Never operate the unit if the wiring or connections have been damaged.
- ③ Check whether the installation stand of the outdoor unit is damaged or not. If damaged, please report to a licenced contractor.











Troubleshooting

Warning The air conditioner is not user serviceable. Incorrect repair may cause electric shock or fire, so please contact an Authorized Service Center for professional repair. Following checks prior to contact may save your time and costs. Troubleshooting Symptom Air conditioner does not run if attempt to • To protect the air conditioner upon immediately restart after a stop. immediate restart after a stop, the microcomputer controller will delay the unit for 3 minutes before the air conditioner will run Air conditioner blows out bad smell when • The air conditioner itself has no bad smell. If a bad smell has been accumulated it is initially started. from the environment, clean the air filter. • If smells persist, contact your Approved Service Centre to arrange cleaning. You may hear "Water Flowing" noise • 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 fluid gurgling noises. This is not a fault - it is the sound of flowing refrigerant. Sometimes a thin mist will flow out of the • This might occur when indoor temperature outlet when air conditioner is running and humidity are high. This is because the under cooling mode. indoor air is quickly cooled down. After a period of time, the mist will disappear with the decrease of indoor temperature and humidity. G C You may hear a slight cracking sound when • This is the sound of friction caused by the air conditioner is started or stopped. expansion and/or contraction of panel or other parts due to the change of temperature.

Troubleshooting

Symptom	Troubleshooting
The unit will not run	• Has the power been shut down?
z ^z Z	• Has the circuit breaker device tripped off?
	 Have the wiring or connections been damaged?Please report to an authorised air conditioner contractor.
Break off	Is the Timer correctly used?
Cooling(Heating) efficiency is not good.	Is Temp. setting suitable?
	• Are inlet and outlet vents obstructed?
	 Is there too much dust accumulated and obstructing the filter?
	• Are the windows and doors closed?
	Is the fan speed set at low speed?
	Are there any other heat sources in the room?
Wireless remote control is not working	 Check that there is no magnetic or electrical interference near the main unit that may be affecting the operation of the controller.
	 Is the wireless remote control within its operating range, or obstructed? Check the condition of the batteries and replace if necessary.
	 Check if the wireless remote control is damaged.
Water is dripping or leaking from the indoor unit	 The air humidity is on the high side. Condensing water has overflowed. The connection of indoor unit drainage pipe has been loosened.
Water is dripping or leaking from the outdoor unit	 When the unit is running in COOL mode, water condensation occurs naturally around the pipe and connections. When the unit is running in Auto Defrosting mode, some ice has thawed and flowed out. When the unit is running in HEAT mode, some water adhered on the heat exchanger has dripped out.
Noise from indoor unit .	 Fan or compressor relay is switching on or off.
	 When defrosting is started or stopped, there is a sound of refrigerant flowing in the reverse direction.

Troubleshooting

Symptom	Troubleshooting
Indoor unit cannot deliver air	 In HEAT mode, when the temperature of indoor heat exchanger is very low, air flow is stopped in order to prevent cool air. (Within 3min) In HEAT mode, when the outdoor temperature is low or high humidity, frost can be formed on the outdoor heat exchanger. The unit will automatically defrost and the indoor unit will stop blowing air for 3-12 mins. During defrost operation, water or vapour may be emitted. In dehumidifying mode, sometimes the indoor fan will stop, in order to avoid condensingwater being vaporised again.
Moisture on air outlet vent	 If unit is running under high humidity for a long time, moisture will be condensed on the air outlet grill and may drip off.



Immediately stop all operations, disconnect from the power supply, and report to an authorised air conditioner contractor in the following situations.

- There is harsh sound during operation
- Strong odours are emitted during operation
- Water is leaking in the room
- Circuit breaker continuously trips off.
- Water has dripped into or been splashed onto the unit.
- Power leads or connections have been damaged.

Stop running and discon nect from power supply.

Installation service- Notices for installation

Important Notices

- 1. The unit must only be installed by authorised air conditioner contractors according to municipal or government regulations and in compliance with this manual.
- 2. The unit should be installed with a dedicated electrical circuit, and a circuit breaker should be fitted in accordance with regulations.

Basic Requirements For Installation Position

Proper installation position is vital for correct and efficient operation. Avoid the following positions:

- Where strong heat sources vapours, flammable gas or volatile liquids are emitted
- Where high-frequency electro-magnetic waves are generated by radio equipment, welders and medical equipment.
- Where salt-laden air is a problem (such as close to coastal areas).
- Where the air is contaminated with industrial vapours and oils.
- Where the air contains sulphured gas such as in hot spring zones.
- Other environments where corrosion or air quality is a problem.

Indoor Unit Installation Position Selection

- 1. The air inlet and outlet vent should be away from any obstruction. Ensure the air can be blown through the whole room.
- 2. Select a position where the condensing water can be easily drained out, and where it is easily connected to the outdoor unit.
- 3. Select a location where children can not reach.
- 4. Select the place where the wall is strong enough to withstand the full weight and vibration of the unit, and will not increase the noise.
- 5. Be sure to leave enough space to allow access for routine maintenance. The height of the installed location should be 1.8m above the floor.
- 6. Select a place about 1m or more away from TVset or any other electric appliances.
- 7. Select a place where the filter can be easily taken out.
- 8. Make sure that the indoor unit is installed in accord with the installation instructions.

Outdoor Unit Installation Position Selection

- 1. Select a location from which noise and outflow air emitted by unit will not inconvenience neighbours, animals, plants.
- 2. Select a location where there is sufficient ventilation.
- 3. Select a location where there is no obstructions which will cover the inlet and outlet vents.
- 4. The location should be able to withstand the full weight and vibration of the outdoor unit and permit safe installation.
- 5. Select a dry place, but do not expose under the direct sunlight or strong wind.
- 6. Make sure that the outdoor unit is installed in accord with the installation instructions, and is convenient for maintenance and repair.
- 7. The height difference between indoor and outdoor units is within 5 metres, and the length of the connecting tubing does not exceed 10 metres.
- 8. Select a place where it is out of reach for the children.
- 9. Select a place which will not block pedestrian passage and does not influence the city appearance.

Safety Requirements For Electric Appliances

- 1. A dedicated power supply circuit should be used, in accordance with local electrical safety regulations.
- The product should be installed by a licenced air conditioning contractor in accordance with AS/NZS3000 and your electrical supplier's rules. A circuit breaker should be installed.
- 3. The min. distance from the unit and combustive surface is 1.5m.

WARNING: inadequate or incorrect electrical connections may cause electrocution or fire.

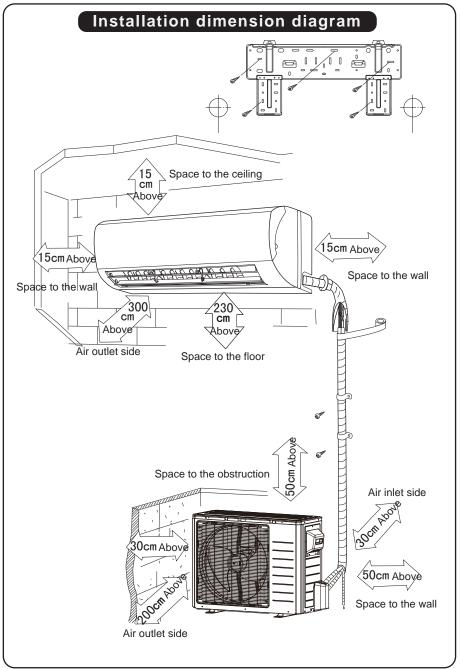
Earthing requirements

- 1. Air conditioner is type I electric appliance. Please ensure the the unit is reliably earthed.
- 2. The yellow-green two-color wire in the air conditioner is the earthing wire, and cannot be used for any other purpose. Improper earthing may cause electrocution.
- 3. The unit must be reliably earthed in accordance with AS/NZS3000.

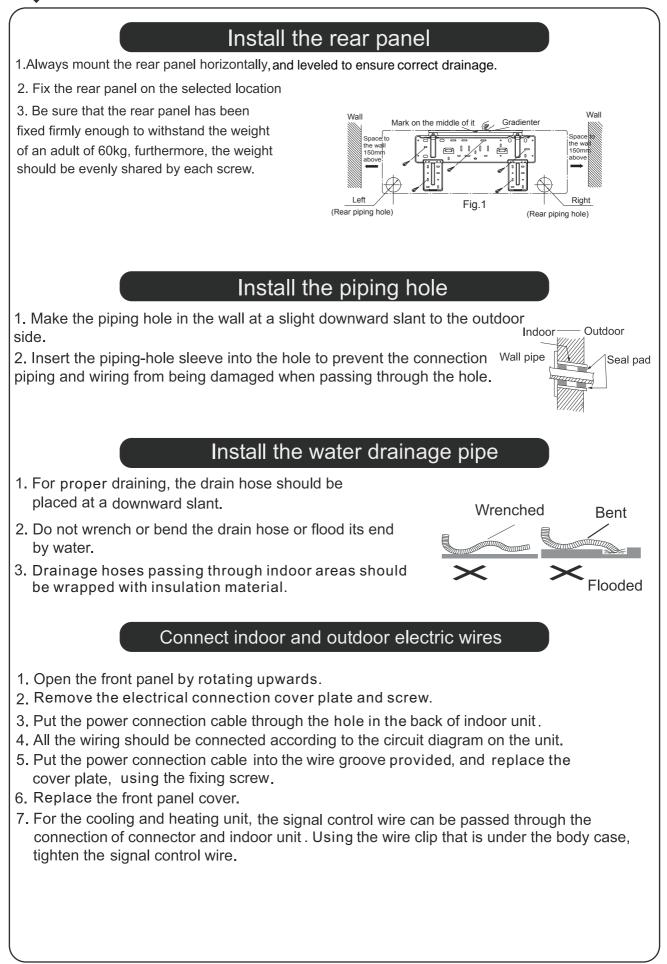
Others

- 1. The connection method of unit and power cable as well as the interconnect method of each isolated component should refer to the circuit diagram sticker on the unit.
- 2. The model of the blown fuse and rated value should refer to the silk-screen on the controller or fuse sleeve.
- 3. The appliance shall be installed in accordance with AS/NZS3000 and your electrical supplier's rules.
- 4. 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.
- 5. Children should be supervised to ensure that they do not play with the appliance.
- 6. If the supply cord is damaged, it must be replaced by the manufacturer, its Approved Service Centre or similarly qualified persons in order to avoid a hazard.

Installation dimension diagram



Installing the indoor unit





Installing the indoor unit

NOTE:

All interconnecting wiring between indoor and outdoor unit must be performed by a licenced electrical contractor in accordance with AS/NZS3000.

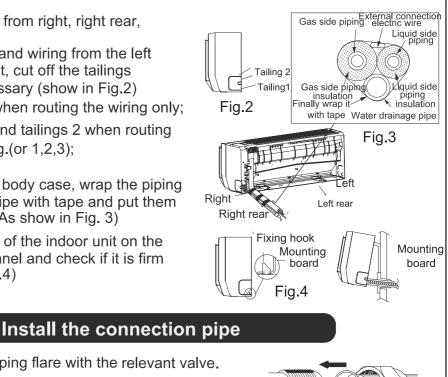
- The electrical wiring must be correctly connected, wrong connection may cause the unit to malfunction.
- Tighten the terminal screws adequately to prevent loosening.
- After tightening the screws, slightly pull the wire and confirm whether is it firm or not.
- Ensure the electrical connections are properly earthed to prevent electrical shocks.
- Ensure all wiring connections are secure and the cover plates are reinstalled properly. Poor installations that allow dust or moisture incursion may cause fire or electrocution.
- A circuit breaker of adequate capacity should be installed at the switchboard.

Install the indoor unit

- The piping can be output from right, right rear, left. left rear.
- 1. When routing the piping and wiring from the left or right side of indoor unit, cut off the tailings from the chassis as necessary (show in Fig.2) (1).Cut off the tailings 1 when routing the wiring only;

(2).Cut off the tailings 1 and tailings 2 when routing both the wiring and piping (or 1.2.3):

- 2. Take out the piping from body case, wrap the piping electric wire, and water pipe with tape and put them through the piping hole (As show in Fig. 3)
- 3. Hang the mounting slots of the indoor unit on the upper tabs of the rear panel and check if it is firm enough (As show in Fig 4)



Piping

Torque wrench

aper nut

Indoor unit piping

- 1. Align the center of the piping flare with the relevant valve.
- 2. Screw in the flare nut by hand and then tighten the nut with spanner and torque wrench referring to the following table. Tightening torgue table

<u> </u>	
Hex nut diameter	Tightening torque (Nm)
Φ6	$15 \sim 20$
Φ 9. 52	31~35
Φ12	$50 \sim 55$
Φ16	60~65
Φ19	$70 \sim 75$

NOTE: Firstly connect the connection pipe to indoor unit, then to outdoor unit; pay attention to the piping bending, do not damage the connection pipe; ensure the joint nut is adequately tightened, otherwise it may cause leakage.



Electric Wiring

- 1. Remove electrical connection access plate (either right hand side or front) from the outdoor unit.
- 2. Take off wire clamp, connect and fix power connect cord to terminal of line bank. Wiring should fit that of indoor unit.
- 3. Fix the power connection cable with wire clamp, for cooling and heating unit, then use the wire clamp to fix the signal control wire, then connect the corresponding connector.
- 4. Ensure if wire has been fixed well.
- 5. Replace access plate (either right hand side or front) on the outdoor unit.

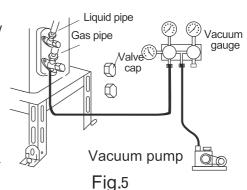
NOTE:

- Incorrect wiring may cause unit failure.
- After the cable has been fitted, make sure there is free space between the connection and fixing place on the lead wire.

Air purging and leakage test

Air purging and leakage test

- 1. Connect charging hose of manifold valve to charge end of low pressure valve (both high/low pressure valves must be tightly shut).
- 2. Connect joint of charging hose to vacuum pump.
- 3. Fully open handle of Lo manifold valve.
- 4. Open the vacuum pump to evacuate. At the beginning, slightly loosen joint nut of low pressure valve to check if there is air coming inside. (If noise of vacuum pump has been changed, the reading of multimeter is 0) Then tighten the nut.
- 5. Keep evacuating for more than 15mins and make sure the reading of multi-meter is -1.0×10^{5} pa (-76 cmHg).
- 6. Fully open high/low pressure valves.
- 7. Remove charging hose from charging end of low pressure valve.
- 8. Tighten bonnet of low-pressure valve. (As shown in Fig.5)





• Leak hunting Indoor unit check point Use soapy water or gas detection meter to check whether the joints are leaking. Outdoor unit check point Fig.6 Outdoor condensation drainage (Heat pump type only) When the unit is heating, the condensing water and defrosting water can be drained out reliably through the drain hose. Installation: Install the outdoor drain elbow in Ø 25 hole on the base plate, and attach the drain hose to the elbow, so that the waste water Chassis , fîE formed in the outdoor unit can be drained out Ì Outdoor drain satisfactorily. elbow



Check after installation and test operation

Check after installation		
Items to be checked	Possible malfunction	
Has it been fixed firmly?	The unit may drop, shake or emit noise.	
Have you done the refrigerant leakage test?	It may cause insufficient cooling(heating) capacity.	
Is heat insulation sufficient?	It may cause condensation and dripping.	
Is water drainage satisfactory?	It may cause condensation and dripping.	
Is the voltage in accordance with the rated voltage marked on the nameplate?	It may cause electric malfunction or damage to the product.	
Is the electric wiring and piping connection installed correctly and securely?	It may cause electric malfunction or damage the product.	
Has the unit been connected to a secure earth connection?	It may cause electrical leakage.	
Are the inlet and outlet air openings blocked?	It may cause insufficient cooling(heating) capacity.	
Is the quantity of gas charge sufficient for the length of pipe run?	The refrigerant capacity may be insufficient.	

Test Operation

1. Before test operation

- (1) Do not switch on power before installation is finished completely.
- (2) Electric wiring must be connected correctly and securely.
- (3) Cut-off valves of the connection pipes should be opened.
- (4) All the impurities such as scraps and thrums must be cleared from the unit.

2. Test operation method

- (1) Switch on power, press "ON/OFF" button on the wireless remote control to start the operation.
- (2) Press MODE button, to select the COOL, HEAT, FAN to check whether the operation is normal or not.

Specifications

Model		AY-X24MCJ; AE-X24MCJ	
Function		COOLING	HEATING
Rated Voltage		220-240	
Rated Frequency		50Hz	
Total Cap	acity (W) (High/Standard/Low)	7200/6500/2250(W)	9000/7200/1800(W)
Total Cap	acity (Btu/h) (High/ Standard/Low)	24550/22200/7700(Btu/h)	30700/24550/6150(Btu/h)
Power Inp	out (W) (High/ Standard/Low)	2600/2000/550	3100/1990/500
Rated Inp	ut (W) (High/ Standard)	2600/2000	3110/1990
Rated Cu	rrent (A) (High/ Standard)	11.3/8.7	13.5/8.7
Air Flow V	/olume (m³/h) (H/M/L)	1030	
Dehumidi	fying Volume (I/h)	4	
EER / C.C	D.P (W/W)	3.25/3.62	
Energy Cl	lass	A/A	
	Model of Indoor Unit	AY-X24MCJ	
	Ean Motor Speed (r/min) (SH/H/M/L)	Cool: 1360/1000/900/760	
	Fan Motor Speed (r/min) (SH/H/M/L)	Heat: 1360/1060/960/900	
	Output of Fan Motor (w)	3	5
	Fan Type-Piece	Cross flow fan – 2	
	Diameter-Length (mm)	φ 98 X 424	
	Evaporator	Aluminum fin-copper tube	
	Row-Fin Gap(mm)	2-1	.4
	Coil length (I) x height (H) x coil width (L)	847X286 X25.4	
	Swing Motor Model	MP35XX	
Indoor	Output of Swing Motor (W)	4	
unit	Fuse (A)	PCB 3.15A	
unit	Sound Pressure Level dB (A) (SH/H/M/L)	49/45	/38/34
	Sound Power Level dB (A) (SH/H/M/L)	59/52	/48/44
	Dimension (W/H/D) (mm)	1090X330X208	
	Dimension of Package (L/W/H)(mm)	1160X4	10X310
	Net Weight /Gross Weight (kg)	17.5/22.5	

	Model of Outdoor Unit	AE-X24MCJ
	Compressor Manufacturer/trademark	Sanyo
	Compressor Model	C-6RZ146H1A
	Compressor Type	Double Rotary
	L.R.A. (A)	41
	Compressor RLA(A)	8.4
	Compressor Power Input(W)	1640
	Overload Protector	1NT11L-3979
	Throttling Method	Capillary throttling
	Starting Method	Transducer starting
	Working Temp Range ($^{\circ}$ C)	-15℃≪T≪46℃
	Condenser	Aluminum fin-copper tube
	Rows-Fin Gap(mm)	2-1.4
	Coil length (I) x height (H) x coil width (L)	731X813X44
	Fan Motor Speed (rpm) (H/M/L)	780/620
	Output of Fan Motor (W)	60
Outdoor	Fan Motor RLA(A)	0.30
unit	Fan Motor Capacitor (uF)	2.0
unit	Fan Type-Piece	Axial fan –1
	Fan Diameter (mm)	460
	Defrosting Method	Auto defrost
	Climate Type	T1
	Isolation	1
	Moisture Protection	IP24
	Permissible Excessive Operating Pressure	3.8
	for the Discharge Side(MPa)	5.0
	Permissible Excessive Operating Pressure	1.2
	for the Suction Side(MPa)	1.2
	Sound Pressure Level dB (A)	58
	Sound Power Level dB (A)	68
	Dimension (W/H/D) (mm)	950X840X420
	Dimension of Package (L/W/H)(mm)	1100X450X905
	Net Weight /Gross Weight (kg)	64/69
	Refrigerant and Charge (kg)	R410A/2.4
Connection	Liquid line diameter(mm)	φ 9.52(3/8 ")
Pipe	Gas line diameter(mm)	ф 16(5/8 ")

SHARP WARRANTY

Air Conditioners

Sharp Corporation of Australia Pty Ltd, guarantees that should a defect in this product due to either FAULTY MATERIALS or WORKMANSHIP in manufacturing become apparent within the period of 60 Months, from the date of original purchase of the product, such a defect will be rectified, without cost to you, for either labour or materials, when used under normal use & reasonable care in the opinion of Sharp.

Air Conditioning units carry an on-site warranty, this does not apply if the unit is located outside the metropolitan area and is more than 40km from a Sharp Approved Service Centre and does not include freight charges to and from a Sharp Approved Centre or travelling charges. (if required).

THE WARRANTY IS SUBJECT TO:

The unit installed in accordance with our "Installation Instructions" The unit must be in a serviceable area, with the Outdoor unit no higher than 2.4m above ground level.

The warranty is applicable to the original installation only. The unit has been installed by appropriately licensed contractors.

THE FORGOING WARRANTY DOES NOT APPLY: If the rating plate has been removed, damaged or rendered illegible.

This warranty does not extend to accessories or defects or injuries caused by or resulting from causes not attributable to faulty parts of the manufacture of the product, including but not limited to, defect or injury caused by or resulting from misuse, abuse, neglect, accidental damage, improper voltage, liquid spillage, vernin infestation, exposed to abnormally corrosive conditions, software, or any alterations made to the product which are not authorised by Sharp.

Please retain your sales documentation, as this should be produced to validate a warranty claim.

This warranty is in addition to and in no way limits, varies or excludes any express and implied rights and remedies under any relevant legislation in the country of sale.

DO NOT RETURN THIS DOCUMENT TO SHARP

For your reference, please enter the particulars of your purchase APART SHE CO below and retain, with your purchase documentation.

Model No. _

Serial No.

Date of Purchase _____

Retailer

IMPORTANT NOTICE: This warranty applies only to products sold in Australia & New Zealand

SHARP

FOR LOCATION ENQUIRIES WITHIN

AUSTRALIA

REGARDING YOUR LOCAL

SHARP APPROVED SERVICE CENTRE

VISIT OUR WEBSITE AT

www.sharp.net.au

OR CALL SHARP CUSTOMER CARE

1300 135 022

(LOCAL CALL COST APPLY WITHIN AUSTRALIA)

SHARP CORPORATION OF AUSTRALIA PTY LTD

SHARP

FOR LOCATION ENQUIRIES WITHIN

NEW ZEALAND

REGARDING YOUR LOCAL

SHARP APPROVED SERVICE CENTRE VISIT OUR WEBSITE AT

www.sharp.net.nz

CONTACT YOUR SELLING DEALER/RETAILER OR CALL

SHARP CUSTOMER SERVICES

TELEPHONE: 09 573 0111 FACSIMILE: 09 573 0113

SHARP CORPORATION OF NEW ZEALAND LIMITED

SPform019(Oct2006)



SHARP CORPORATION OF AUSTRALIA PTY LTD ABN 40 003 039 405 1 Huntingwood Drive HUNTINGWOOD NSW 2148 www.sharp.net.au