

Split Air Conditioner

OWNER'S MANUAL

AIR CONDITIONERS

Thankyou for choosing our airconditioner for correct operation, please read this owner's manual carefully before operating the unit and keeps it carefully for consultation.

◆ CONTENTS

Operation and maintenance Notice for operation 1 Notice for use 3 Names and functions of each part 5 Operation of wireless remote control 6 Emergency operation 12 Clean and care 13 Troubleshooting 15



This symbol stands for the items should be forbidden



This symbol stands for the items should be followed

The products in this manual may be different with the real one, according to different models, some models have displayer and some models without displayer, the position and shape on the displayer please refer to the real one.



Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary

Operation and maintenance-notices for operation



★ Earth: The ground be connected!





If not, please ask the qualified personnel to install. Furthermore, don't connect each wire to the gas pipe, water pipe, drainage pipe or any other improper places. ★Be sure to pull out the power plug when not using the air conditioner for a long time.





Otherwise, the accumulated dust may cause fire or electric shock.

★ Select the most appropriate temperature.



It can preclude the electricity wasted.

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



It can decrease the air conditioning capacity.

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



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

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



It can cause afire or explosion.

★ Please note whether the installed stand is firm enough or not.



If it is damaged, it may lead to the fall of the unit and cause the injury. ★ Don't step on the top of the outdoor unit or place something on it.



As falling off the outdoor unit can be dangerous.

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



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

Notices for operation

★ If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.



★ The airflow direction can be adjusted appropriately. At operating, adjust the vertical airflow direction by adjusting the louvers of upward/downward direction. And then, hold two ends of left and right louver to adjust the horizontal airflow.



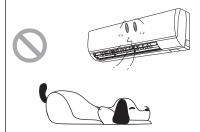
Louver of left/right direction

Louver of upward/ downward direction.

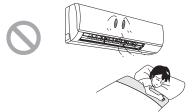
★ Don't insert your hands or stick into the air intake or outlet vents.



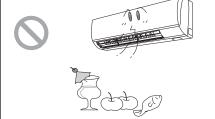
★ Don't blow the wind to animals and plants directly. It can cause a bad influence to them.



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



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



It can cause the health problems.

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



★ Don't place a space heater near the air



Or CO toxicosis may occur for imcomplete burning.

Notices for use

Working principle and special functions for cooling

Principle:

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

Anti-freezing function:

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

Working principle and special functions for heating

Principle:

- * Air conditioner absorbs heat from outdoor and transmits to indoor, in this way to increase room temperature. This is the heat pump heating principle, its heating capacity will be reduced due to outdoor temperature decrease.
- * If outdoor temperature becomes very low, please operate with other heating equipments.

Defrosting:

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

Anti-cool wind function:

In "Heat" mode, under the following three kinds of state, if indoor heat exchanger doesn't arrive at certain temp., indoor fan will not act, in order to prevent cool wind blowing(within 2 mins):

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

Gentle Breeze

In the following situation, the indoor unit may blow gentle breeze, and the guide louver rotate to a certain position:

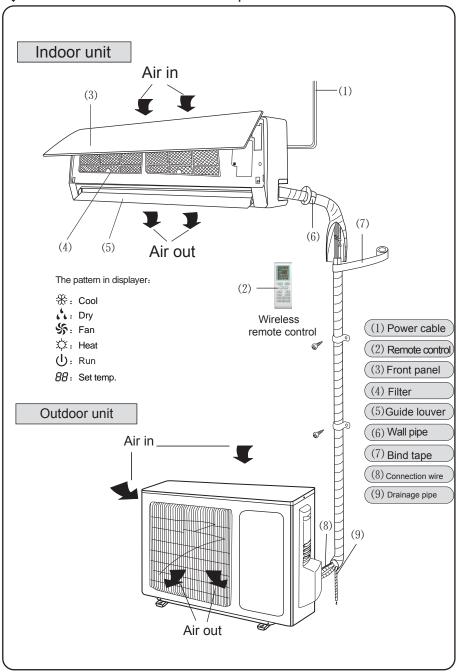
- 1. In "Heat" mode, the unit turned on, the compressor doesn't arrive the starting condition.
- 2. In "Heat" mode, the temperature arrive at the setting value and the compressor stop running about 1min.



	Indoor sideDB/WB(°C)	Outdoor sideDB/WB(°C)		
Maximum cooling	32/23	43/26		
Minimum cooling	21/15	21/-		
Maximum heating	27/	24/18		
Minimum heating	20/	-5/-6		

The operating temperature range (outdoor temperature) for cooling unit is 21 $^{\circ}\text{C} \sim 43 ^{\circ}\text{C}$; for cooling and heating unit is -5 $^{\circ}\text{C} \sim 43 ^{\circ}\text{C}$.

Names and functions of each part









Names and functions of wireless remote control

Note: Be sure that there are no obstructions between receiver and remote controller; Don't drop or throw the remote control; Don't let any liquid in the remote control and put the remote control directly under the sunlight or any place where is very hot.





Remote control

ON/OFF button

 Press this button, the unit will be turned on, press it once more, the unit will be turned off. When turning on or turning off the unit, the Timer, Sleep function will be canceled, but the presetting time is still remained.

MODE

MODE button

Press this button, Auto, Cool,Dry, Fan, Heat mode can be selected circularly. Auto mode is default while power on. Under Auto mode,the temperature will not be displayed; Under Heat mode, the initial value is 28℃ (82°F);Under other modes, the initial value is 25℃ (77°F).



AUTO

☆ COOL

DRY

క్త్ FAN

🂢 HEAT

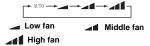
(only for cooling and heating unit)

SLEEP button

Press this button, Sleep On and Sleep Off can be selected. After powered on, Sleep Off is defaulted. After the unit is turned off, the Sleep function is canceled. After Sleep function set up, the signal of Sleep will display. In this mode, the time of timer can be adjusted. Under Fan and Auto modes, this function is not available.

FAN button

 Press this button, Auto, Low, Middle, High speed can be circularly selected. After powered on, Auto fan speed is default. Under Dehumidify mode, Low fan speed only can be set up.



Note:Under the Dry mode, the fan speed isn't adjustable, low fan speed is imperative, but when operating this button, the wireless adjustable, low fan speed is imperative,

CLOCK ___

CLOCK button

● Press this button, the clock can be set up, signal ②blink and display.Within 5 seconds, the value can be adjusted by pressing + or - button, if continuously press this button for 2 seconds above, in every 0.5 seconds, the value on ten place of Minute will be increased 1. During blinking, repress the Clock button, signal ③ will be constantly displayed and it denotes the setting succeeded. After powered on, 12:00 is defaulted to display and signal ④ will be displayed. If there is signal ⑤ be displayed that denotes the current time value is Clock value, otherwise is Timer value.

LIGHT

LIGHT button

Press this button to select LIGHT on or off in the displayer. When the LIGHT on is set, the icon will be displayed and the indicator light in the displayer will be on. When the LIGHT off is set, the icon will be displayed and the indicator light in the displayer will be off.



Names and functions of wireless remote control

Notice: This is a general use remote controller, it could be used for the air conditioners with multifunction; For some function, which the model dosen't have, if press the corresponding button on the remote controller that the unit will keep the original running status.



Remote control

BLOW

BLOW button

• Press this button, can turn on or turn off the drying. In Cool and Dehumidifying mode, press this button and will display "BLOW", at this time the Blow is turned on. If repress this button, "BLOW" will be concealed, at this time the Blow function is turned off. After powered on, Blow OFF is defaulted. When operating the ON/OFF button, or switching mode to Cool or Dehumidifying mode, the Blow function will keep the original status. If unit is turned off, Blow OFF only can be set up and send the signal. In Auto, Fan as well as Heat mode, Blow function can not be set up and there is no "BLOW" displaying.

- button

Presetting temperature can be decreased. Press this button, the temperature can be set up, continuously press this button and hold for two seconds, the relative contents can quickly change, until unhold this button and send the order that the ℃ (°F) signal will be displayed all the time. The temperature adjustment is unavailable under the Auto mode, but the order can be sent by if pressing this button.

+ button

For presetting temperature increasing.
 Press this button,can set up the temperature,
 when unit is on . Continuously press and
 hold this button for more than 2 seconds,
 the corresponding contents will be
 changed rapidly, until unpress the button
 then send the information, "C ("F") is disp laying all along. In Auto mode, the temperature can not be set up, but operate this
 button can send the signal. Centigrade
 setting range :16-30; Fahrenheit scale
 setting range 61-96.

TEMP

TEMP button

- Press this button, could select displaying the indoor setting temperature or indoor ambient temperature. When the indoor unit firstly power on it will display the setting temperature, if the temperature's displaying status is changed from other status to displays the ambient temperature, 5s later or within 5s, it receives other remote control signal that will return to display the setting temperature. If the users haven't set up the temperature displaying status, that will display the setting temperature.
- (This function is applicable to partial of models) After powered on, the setting temperature displaying is defaulted, (according to customers requirements to display, if there is no requirement that will default to display the presetting temperature and there is no icon displayed on wireless remote control). Press this button, (When displaying 🗋) , will display presetting temperature; (when displaying (1)) will display indoor ambient temperature, I current displaying status will not be changed. If current displays indoor ambient temperature, if received the other remote control signal, it will display presetting temperature, 5s later, will back to display the ambient temperature. (This function is applicable to partial of models)

TURBO

TURBO button

 In Cool or Heat mode, press this button can turn on or turn off the Turbo function.
 After turned on the Turbo function, its signal will be displayed. When switching the mode or changing fan speed, this function will be canceled automatically.

Names and functions of wireless remote control

Notice: This is a general use remote controller, it could be used for the air conditioners with multifunction; For some function, which the model dosen't have, if press the corresponding button on the remote controller that the unit will keep the original running status.



Remote control

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SWING UP AND DOWN BUTTON

 Press this button, to set up swing angle, which circularly changes as below:

This is an universal use remote controller. If remote controller sends the following three kinds of status that the swing status of main unit will be:

When the guide louver start to swing up and down, if turn off the Swing, the air guide louver will stop at current position.

which indicates the guide louver swings up and down between that all five positions.

TIMER ON I

TIMER ON BUTTON

 Timer On setting: Signal "ON" will blink and display, signal (1) will conceal, the numerical section will become the timer on setting status. During 5 seconds blink, by pressing + or - button to adjust the time value of numerical section, every press of that button, the value will be increased or decreased 1 minute. Hold pressing + or -button, 2 seconds later, it quickly change, the way of change is: During the initial 2.5 seconds, ten numbers change in the one place of minute, then the one place is constant, ten numbers change in the tens place of minute at 2.5 seconds speed and carry. During 5s blink, press the Timer button, the timer setting succeeds. The Timer On has been set up, repress the timer On button, the Timer On will be canceled. Before setting the Timer, please adjust the Clock to the current actual time.

TIMER OFF

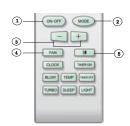
TIMER OFF BUTTON

 Once press this key to enter into TIMER OFF setup, in which case the TIMER OFF icon will blink.
 The method of setting is the same as for TIMER ON.



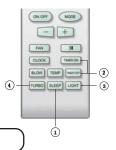
Guide for operation- General operation

- After powered on, press ON/OFF button, the unit will start to run.(Note: When it is powered off, the guide louver of main unit will close automatically.)
- Press MODE button, select desired running mode, or press COOL or HEAT mode to enter into the corresponding operation directly.
- 3. Pressing +or button, to set the desired temperature. (It is unnecessary to set the temp. at AUTO mode.)
- Pressing FAN button, set fan speed, can select AUTO FAN, LOW, MID and HIGH.
- 5. Pressing | button, to select the swing.



Guide for operation- Optional operation

- 1. Press SLEEP button, to set sleep.
- Press TIMER ON and TIMER OFF button, can set the scheduled timer on or timer off.
- Press LIGHT button, to control the on and off of the displaying part of the unit (This function may be not available for some units).
- 4. Press TURBO button, can realize the ON and OFF of TURBO function.



Introduction for special function

* About blow function

This function indicates that moisture on evaporator of indoor unit will be blowed after the unit is stopped to avoid mould.

- Having set blow 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 blow button to stop indoor fan directly.
- Having set blow function off: After turning off the unit by pressing ON/OFF button, the complete unit will be off directly.

About AUTO RUN

When AUTO RUN mode is selected, the setting temperature will not be displayed on the LCD, the unit will be in accordance with the room temp. automatically to select the suitable running method and to make ambient comfortable.

★ About turbo function

If start this function, the unit will run at super-high fan speed to cool or heat quickly so that the ambient temp. approachs the preset temp. as soon as possible.

★ About Blow over heat (This function is applicable to partial of models)

When the unit is running in Heat mode or Auto Heat mode, compressor and indoor fan is running, to turn the unit off, the compressor, outdoor fan will stop running. The upper and lower guide board rotate to horizontal position, then the indoor fan will run at low fan speed, 10s later, the unit will turn off.

★ About lock

Press +and - buttons simultaneously to lock or unlock the keyboard. If the remote controller is locked, the icon 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.

About swing up and down

- 1. Press swing up and down button continuously more than 2s,the main unit will swing back and forth from up to down, and then loosen the button, the unit will stop swinging and present position of guide louver will be kept immediately.
- 2. Under swing up and down mode, when the status is switched from off to ⇒ ▮, if press this button again 2s later, ⇒ ▮ status will switch to off status directly; if press this button again within 2s,the change of swing status will also depend on the circulation sequence stated above.

* About switch between Fahrenheit and Centigrade

Under status of unit off, press MODE and - buttons simultaneously to switch ℃ and ℉.

* About new function of defrosting

It indicates: after starting this function by remote controller and the unit has been under defrost status, If turn off the unit by remote controller, the unit will not stop defrosting until it is finished; if change setting mode by remote controller, the function ,which is set last time, won't be carried out until defrosting finished.

Operation of this function on or off: If remote controller is under off status, press mode button and blow button simultaneously in order to enter or cancel this new function. If the unit is under defrost mode, dual eight position on remote controller will display H1. If switch to heat mode, the position will display H1, which flickers for 5s, in which case, press +/- button, H1 will disappear and setting temp. be displayed.

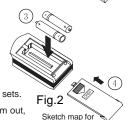
After remote controller is powered on, the new defrost function will be defaulted to be closed.

Changing batteries and notices

- 1. Slightly to press the place with 🖾 , along the arrowhead direction to push the back cover of wireless remote control. (As show in figure)
- 2. Take out the old batteries. (As show in figure)
- Insert two new AAA1.5V dry batteries, and pay attention to the polarity. (As show in figure)
- 4. Attach the back cover of wireless remote control. (As show in figure)

★ NOTE:

- When changing the batteries, do not use the old or different batteries, otherwise, it can cause the malfunction of the wireless remote control.
- If the wireless remote control will not be used for a long time, please take them out, and don't let the leakage liquid damage the wireless remote control.
- The operation should be in its receiving range.
- It should be placed at where is 1m away from the TV set or stereo sound sets.
- If the wireless remote control can not operate normally, please take them out, after 30s later and reinsert, if they cannot normally run, please change them.



Displayer indicator light control of indoor unit

It's a special selective buttonfor the users ,who are not accustomed to the light at sleeping.

- Get the displayer indicator light off: If cancel the light function,the mark will disapper on the remote controller screen by pressing this button. In which case, the displayer indicator light will be off if the AC receives this signal.

Emergency operation

If the wireless remote control is lost or broken, please use the manual switch button. At this time, the unit will run at the Auto mode, but the temperature and fan speed cannot be changed. The operation was shown as below:

To open the panel, the manual switch is on the displayer box.

- Turn on the unit: At unit turned off, press
 the button, the unit will run at Auto mode
 immediately. The microcomputer will accord
 to the indoor temperature to select (Cooling,
 Heating, Fan) and obtain the comfortable effect.
- Turn off the unit: At unit turned on, press the button, the unit will stop working.

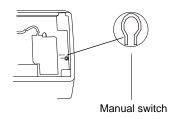


Fig.3

Clean and care



Caution

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

Clean the front panel

When cleaning the front panel, please dip the cloth into the water temperature of 45° C below, then to dry the cloth and wipe the dirty part.

Note: Please do not to immerse the front panel in water, due to there are microcomputer components and circuit diagrams on the front panel.

Clean the air filter (Recommended once every three months)

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

1 Take down the air filter

At the slot of surface panel to open an angle, pull the air filter downward and take it out, please see the Fig. 4(a, b).





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 the water with the neutral detergent should below 45 degree) ,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, or can cause a fire or deformation.



③ Insert the air filter

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



Check before use

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



Maintain after use

- 1 Turn main power off.
- 2 Clean the filter and indoor and outdoor units' bodies.
- ③ Clear dust and obstructions from the outdoor unit.
- 4 Repaint the rubiginous place on the outdoor unit to prevent it from spreading.
- (5) Adopt the special shield to cover the outdoor unit, avoid the rain water, dust enter into the unit and get rust.



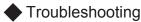
CAUTION

Don't 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	
Not operate immediately when the air conditioner is restarted.	 Once the air conditioner is stopped, it will not operate in approximately 3minutes to protect itself. 	
(), -))		
There's unusual smell blowing from the outlet after operation is started.	The unit has no peculiar smell by itself. If has, that is due to the smell accumulated in the ambient.	
?	Solution method: Cleaning the filter. If problem still has, so need to clean air conditioner. (Please contact with the authorized maintenance center.)	
Sound of water flow can be heard during the operation.	The air conditioner is started, when it is running the compressor started or stopped running, or the unit is stopped, sometimes there is swoosh or gurgle, the sound is due to refrigerant flowing they are not malfunctions.	
In COOL mode, sometimes the mist emitted from the air outlet vent.	When the indoor temperature and humidity are very high, this phenomenon would happen. This is caused by the room air is swiftly cooled down. After running for a while, indoor temperature and humidity will fall down, the mist will die away.	
Creaking noise can be heard when start or stop the unit.	This is caused by the deformation of plastic due to the changes of temperature.	



roubleshooting	
Phenomenon	Troubleshooting
The unit can not run.	 Has the power been shut down? Is power plug loosed? Is the circuit protection device tripped off or not? Is voltage higher or lower? (Tested by professionals) Is the TIMER correctly used?
Cooling(Heating) efficiency is not good.	 Is Temp. setting suitable? Were inlet and outlet vents obstructed? Is filter dirty? Are the windows and doors clothed? Did Fan speed set at low speed? Is there any heat sources in the room?
Wireless remote control is not available.	 The unit is interfered by abnormal or frequent functions switchover occasionally the controller cannot operate. At this time, you need to pull out of the plug, and reinsert it. Is it in its receiving range? Or obstructed? To check the voltage in wireless remote control inside is charged, otherwise to replace the batteries. Whether the wireless remote control is damaged.
If water leakage in the room.	 The air humidity is on the high side. Condensing water over flowed. The connection position of indoor unit drainage pipe is loosed.
If water leakage in outdoor unit.	When the unit is running in COOL mode, the pipe and connection of pipe would be condensed due to the water cooled down. When the unit is running in Auto Defrosting mode the ice thawed and flowed out. When the unit is running in HEAT mode, the water adhered on heat exchanger dripped off.
Noise from indoor unit emitted.	 The sound of fan or compressor relay is switching on or off. When the defrosting is started or stop running, it will sound. That is due to the refrigerant flowed to the reverse direction.



Phenomenon	Troubleshooting
Indoor unit cannot deliver air.	In HEAT mode, when the temperature of indoor heat exchanger is very low, that will stop deliver air in order to prevent cool air. (Within 2min)
	In HEAT mode, when the outdoor temperature is low or high humidity, there are much frost be formed on the outdoor heat exchanger, that the unit will automatically defrost, indoor unit stop blowing air for 3-12min. During the defrosting, there is water flowing out or vapor be produced. In dehumidifying mode, sometimes indoor fan will stop, in order to avoid condensing water be vaporized again, restrain temperature rising.
Moisture on air outlet vent.	If unit is running under the high humidity for a long time, the moisture will be condensed on the air outlet grill and drip off.



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

There is harsh sound during operation.

The terrible odors emitted during operation.

Water is leaking in the room.

Air switch or protection switch often breaks.

Carelessy splash water or something into unit.

There is an abnormal heat in power supply cord and power plug.

lacksquare (Stop running and pull out of the plug.