

CASSETTE FAN COILS

SF-08C, SF-12C, SF-16C



“Original instructions”

IMPORTANT NOTE:

Read this manual carefully before installing or operating your new air conditioning unit. Make sure to save this manual for future reference.

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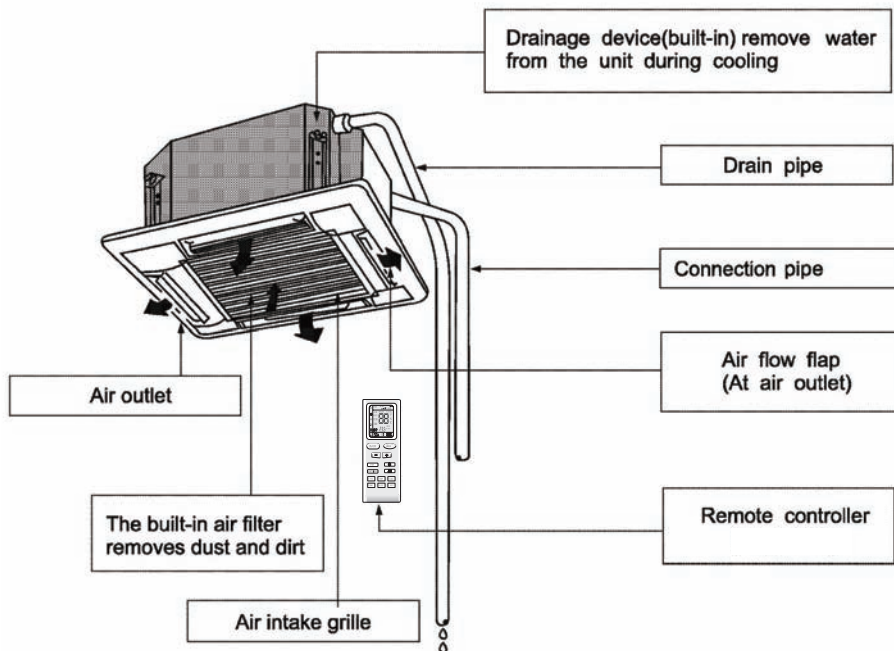
1. Safety cautions

Read the following carefully to assure safe use.

Warning

- ◆ Avoid direct air flow to your body and avoid excessive heating or cooling, which may make you feel uncomfortable and do harm to your health.
- ◆ If there is something abnormal(eg.burning smell), cut off the power immediately and contacts service center.
- ◆ Do not spray paint or pesticide on the unit ,or it may cause fire.
- ◆ If room air is stuffy, air the room by opening door and window for a while, but please close the curtains when operating the unit to prevent conditioned air from leaking.
- ◆ Never use wrong ampere rating fuse. Use of iron wire or copper wire may cause the unit to break down or cause fire.
- ◆ Do not check or repair during the unit is operating. It is very dangerous.
- ◆ Do not splash water directly to the unit. It may cause trouble or electric shock.
- ◆ Do not use other heating equipment near the unit. It will affect the cooling performance.
- ◆ Do not bang the remote controller, and do not press the button of the remote controller with pointed object, or the remote controller may be damaged.
- ◆ An air switch having a contact separation of at least 3mm in all poles should be fixed in fixed wiring.

2. Names and functions of parts



Working mechanism:

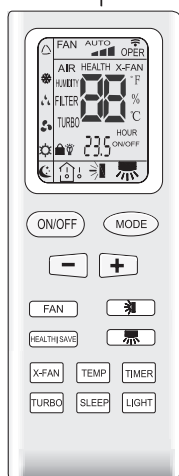
The temperature and humidity of the air are changed by the heat exchanging between the water

in the heat-exchanger and the air flowing through the surface of the one, so that, the demand of the air condition is attained. This production is only an indoor unit, the running mode is decided by the temperature of the environment and the running mode of the water system.

3. Operation of remote control

Note: Be sure that there are no obstructions between receiver and remote control; 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.

Signal transmitter



Remote control

ON/OFF

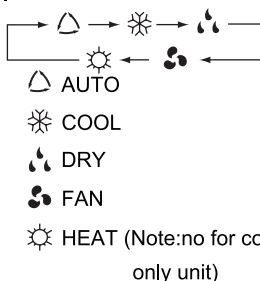
ON/OFF button

- Press this button, the unit will be started or stopped, which can clear the timer or sleeping function of last time.

MODE

Mode button

- Press this button, the running mode will change as below.



(+/-)

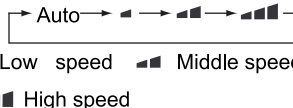
TEMP. (+/-) button

- When press +button, the setting temp. will be increased by 1℃, When press -button, the setting temp. will be decreased by 1℃. The temp. will be changed quickly by pressing the button continuously and setting temp. range is 16~30℃.

FAN

FAN speed button

- Press this button once, fan speed will change as below:



Note: Under the Dry mode, the fan speed isn't adjustable, low fan speed is imperative, but when operating this button, the wireless remote control will send this signal.



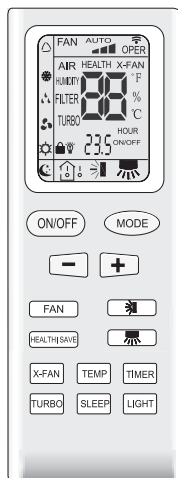
Swing up and down button

- Simplesness swing mode is defaulted for wireless remote control, in this mode, press this button, could turn on or turn off the Up and down swing function.
- When unit is turned off, synchronously press "+" and Up and down swing buttons, it could be switched between the simpless swing mode and stationary swing mode, at this time, the button blinks 2 seconds.
- In Stationary swing mode, press this button, the angle for Up and down swing as show in below:



- When up and down swing louver is working, when turn off the unit, the swing louver will immediately stop at current position. The icon shows up and down swing louver swings back and forth as show in the above figure.

NOTE: This Remote control is universal, it could be used formany units, some buttons of this control which are not available to this unit will not be described below.



Remote control

HEALTH | SAVE

HEALTH | SAVE button

- **HEALTH function:** there is no this function for this unit. If press this key, the main unit will click, but it also runs under original status.
- **Save energy function:** this unit has no this function, press this button, the main unit will click, "SE" will be displayed on the LCD of wireless remote control, fan speed automatically rotates, when repress this button, the fan speed will run at previous setting fan speed.

TURBO

Turbo button

- **Set turbo on or off** (the characters of turbo will appear or disappear) by pressing this key under cooling or heating mode. Once energized, the unit will be defaulted to be turbo off. This function can not be set under auto, dehumidify or fan mode, and characters of turbo won't appear.

TIMER

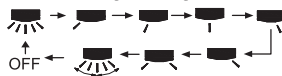
Timer button

- On the status of the unit on, press this button to set timer off. On the status of the unit off, press this button to set timer off. Press this key once, words Hour on(off) will appear and flicker. In which case, press +/- button to adjust time (press +/- button continuously to change timing value quickly), the setting time range is from 0.5 to 24 hr.; press this key once again to fix the time, then remote controller will send out the signal immediately and hour on/off will stop flickering. If the time of that no press timer button under flickering status is above 5s, the timer setting will quit. If the timer has been set, press this button once again to quit it.



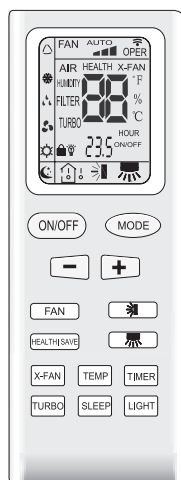
Left and right swing button

- **Simplessness swing mode** is defaulted for wireless remote control, in this mode, press this button, could turn on or turn off the Left and right swing function
- When unit is turned off, synchronously press "+" and Left and right swing buttons, it could be switched between the simplessness swing mode and stationary swing mode, at this time, the fan icon blinks 2 seconds.
- In **Stationary swing mode**, press this button, the angle for Left and right swing as show in below:



- When left and right swing louver is working, when turn off the unit, the siwing louver will immediately stop at current position. The fan icon shows left and right swing louver swings back and forth as show in the above figure.


NOTE: This remote control is universal, it could be used for many units, some buttons of this control which are not available to this unit will not be described below.



Remote control

SLEEP

Sleep button

- Press this button, enter into SLEEP state, when repressed, it will quit. The sleep function will be canceled with the stop of the unit. There is no SLEEP function under AUTO and FAN mode.  is the icon for sleep function.
- At COOL, X-FAN mode: the SLEEP mode runs after 1 hour, the setting temp. will be increased by 1°C, 2 hour later, setting temp. will be increased by 2°C and then will run at this setting temperature.
- At HEAT mode: the SLEEP mode runs after 1 hour, the setting temp will be decreased by 1°C, 2 hours later setting temp. will be decreased by 2°C, then it will run at setting temperature.

X-FAN



X-FAN button

- Pressing X-FAN button in COOL or DRY mode, the icon "X-FAN" is displayed and the indoor fan will continue operation for 10 minutes in order to dry the indoor unit even though you have turned off the unit. After energization, X-FAN OFF is defaulted. X-FAN is not available in AUTO, FAN and HEAT mode.

Note: X-FAN is the alternative expression of BLOW for the purpose of understanding.




LIGHT

Light button



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

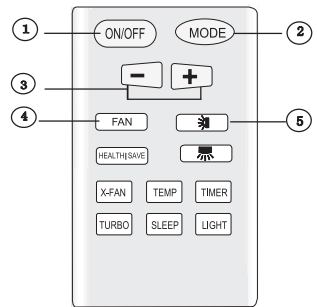
TEMP

Temp. display button

- After powered on, displaying presetting temperature is defaulted. (According to customer requirements to display, if there are no requirements, the presetting temperature displaying is defaulted, there is no signal display on the remote control). Press this button, (display ) , display the presetting temperature; (display ) , display indoor ambient temperature,  will not change current display status. If current display status is indoor ambient temp. when received other remote control signal, then will display presetting temp., 5s later return to ambient temp. display. Other models haven't this function. But pressing this button, the main unit will click and keep the original status.

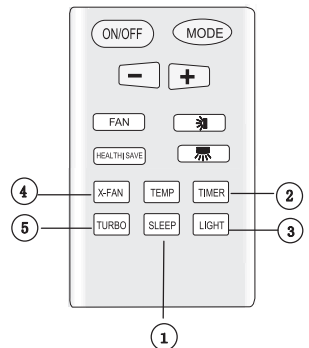
3.1 Guide for operation-general operation

- ① . Press ON/OFF button to start the unit after powering the main unit on. (Note: Power the unit on every time, the big-guide louver and small-guide louver will be closed firstly.)
- ② . Press MODE button to select desired running mode.
- ③ . Press +/- button to set the desired temperature. (It is unnecessary to set the temperature at AUTO mode)
- ④ . Press FAN button to set fan speed, the AUTO FAN, LOW, MID or HIGH could be selected.
- ⑤ . Press  and  button to set swing mode.



3.2 Guide for operation-optional operation

- ① . Press SLEEP button, set the sleep mode.
- ② . Press TIMER button, then press +/- button, to set the scheduled timer on or timer off.
- ③ . Press light button to control displayer light on or off.
- ④ . Press X-FAN button to set X-FAN function on or off.
- ⑤ . Press turbo button to set this function on or off.



3.3 Introduction for special function

● About X-FAN function

This function indicates that moisture on evaporator of indoor unit will be blown after the unit About X-FAN function is stopped to avoid mould.

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 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. 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  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 switch between Fahrenheit and Centigrade

Under status of unit off, press MODE and - buttons simultaneously to switch °C and °F.

● 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 X-FAN 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.

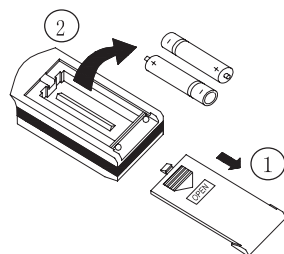
After remote controller is powered on, the new defrost function will be defaulted to be closed.

3.4 Changing batteries and notices

① . Slightly to press the place with  along the arrowhead direction to push the back cover of remote control.(As show in Fig. ①)

② . Take out the old batteries, insert two AAA alkaline cells.(AS show in Fig. ②③)

③ . Attach the back cover of remote control.(Fig. ④)



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.

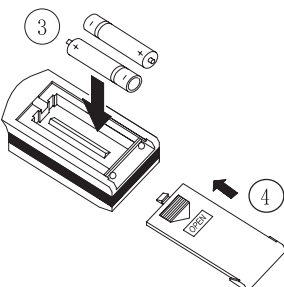
◆ The operation should be in its receiving range.

◆ It should be placed where is 1m away from the TV set or stereo sound sets.

◆ If the remote control cannot operate normally, please take the batteries out, and then reinsert it 30s later; if it is also abnormal, please replace the batteries.

◆ If the main unit needs to be remote controlled, please aim remote control at the receiver of main unit in order to improve the receiving sensitivity of the main unit. When the remote control sends out signal, a mark will flicker for about 1s. The bell will ring if the main unit receives effective signal.

◆ When the remote control sends out signal, a mark  will flicker for about 1s. The bell will ring if the main unit receives effective signal.



4. Trouble shooting

Warning

◆ In case of something abnormal(such as bad smell), shut the power switch immediately and contact service center. Do not repair the air conditioner by yourself, because wrong repair may cause fire, please contact service to do it for you.

◆ Check item shown below before contacting service center.

Symptom	Cause	Corrective Measures
The system dose not operate at all.	Pause off or fuse broken.	Change pause or replace fuse.
	Power off	
	Loose plug	
	Batteries of remote controller fail.	Replace batteries.
	Out of the remote controller range.	Keep distance in 8m or less.
	The mode is wrong.	Check the operation mode of the unit.
Cooling and heating is Abnormal.	Object at the air intake and air outlet of the unit.	Remove them
	Wrong temperature setting.	Refer to P 5
	Low fan speed.	Refer to P 5
	Air direction is not correct.	Refer to P 5
	Doors or windows are open.	Close them
	Direct sunshine.	Close the curtain or windows blind.
	Too many heating sources.	
	Too many people in the room.	
	Dirty air filter.	Clean it.
	Water flow volume lower.	Check the water-system and valve.
	The temp of water is higher or lower.	

NOTE: If trouble still exists after checking the above items, please contact service center.

♦ The following are not troubles

Trouble		Cause
The unit does not operate.	Restart right after stopping	Once the unit is turned off, it will not operate for about 3 minutes to protect it.
	Press SET TEMP. and then release immediately.	
	Power is switched on.	Wait for 1 minute.
Mist is emitted.	When cooling.	Room air is chilled rapidly and will turn low after 1 minute.
Noise	Buzz is heard at starting.	It is the starting sound of thermostat and will turn low after 1 minute.
	A "such" sound which is heard at the start or immediately after the stop of operation or which is heard at the start or immediately after the stop of defrosting Operation. A continuous low :shah sound is heard when the system is in cooling operation or at a stop.	This is the noise of water caused by flow stop and flow change. The noise is heard when the drainage pump is in operation.
	Cracking noise can be heard during or after operation.	This is caused by the panel expanding or contracting due to the change in temperature.
Dust from the units	Starting operation after not using for a long time.	Dust absorbed by the unit blows out.
Wind from the outlet smells.	During operation.	This is caused by the odors in the room which have gotten onto the unit.

NOTE CONCERNING PROTECTION OF ENVIRONMENT



This product must not be disposed of via normal household waste after its service life, but must be taken to a collection station for the recycling of electrical and electronic devices. The symbol on the product, the operating instructions or the packaging indicate such disposal procedures. The materials are recyclable in accordance with their respective symbols. By means of re-use, material recycling or any other form of recycling old appliances you are making an important contribution to the protection of our environment. Please ask your local council where your nearest disposal station is located.

PRODUCER

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