



Remote Control Features & Functions



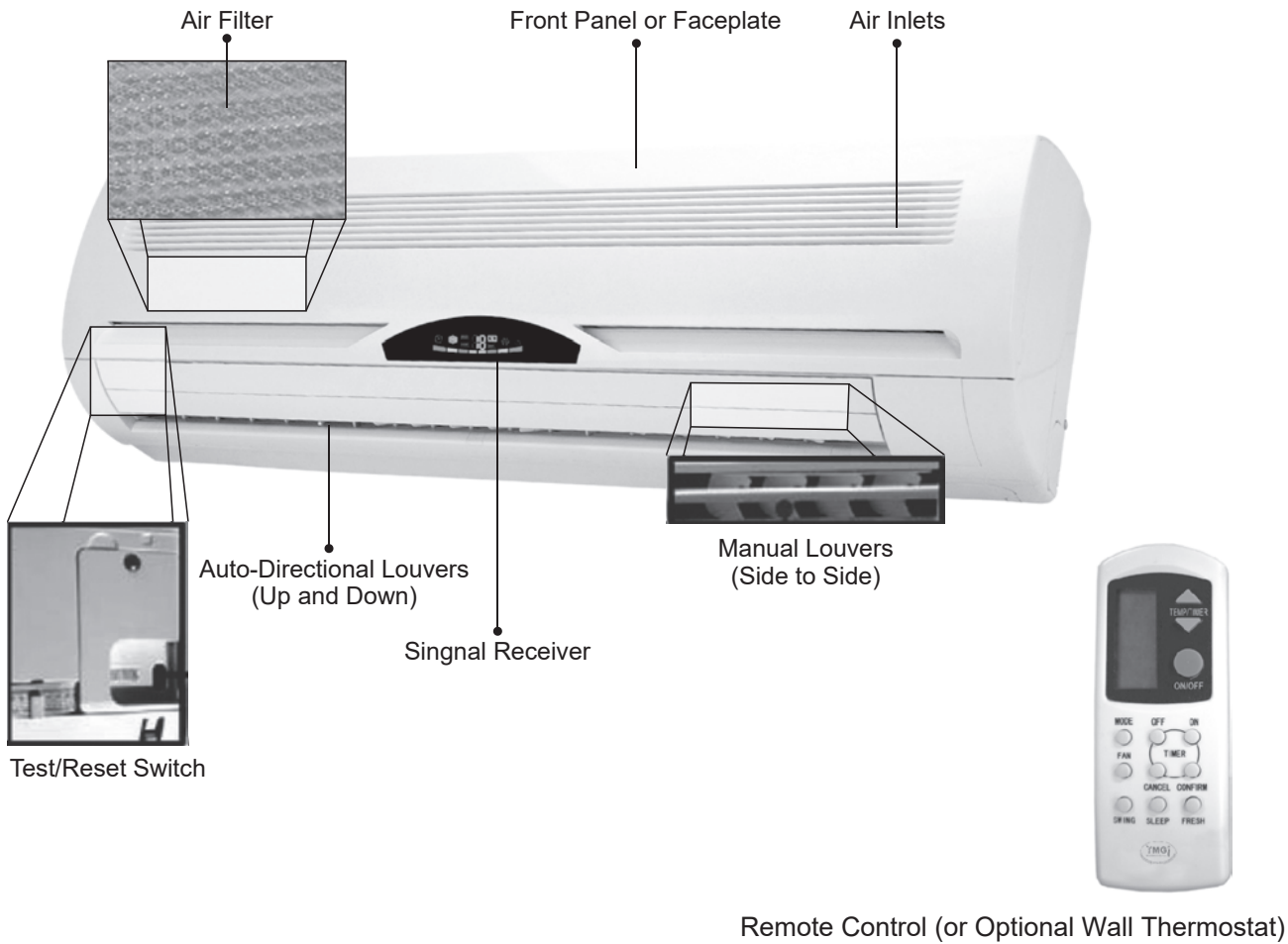
M2 Remote Control

USERs GUIDE

YMGI Group

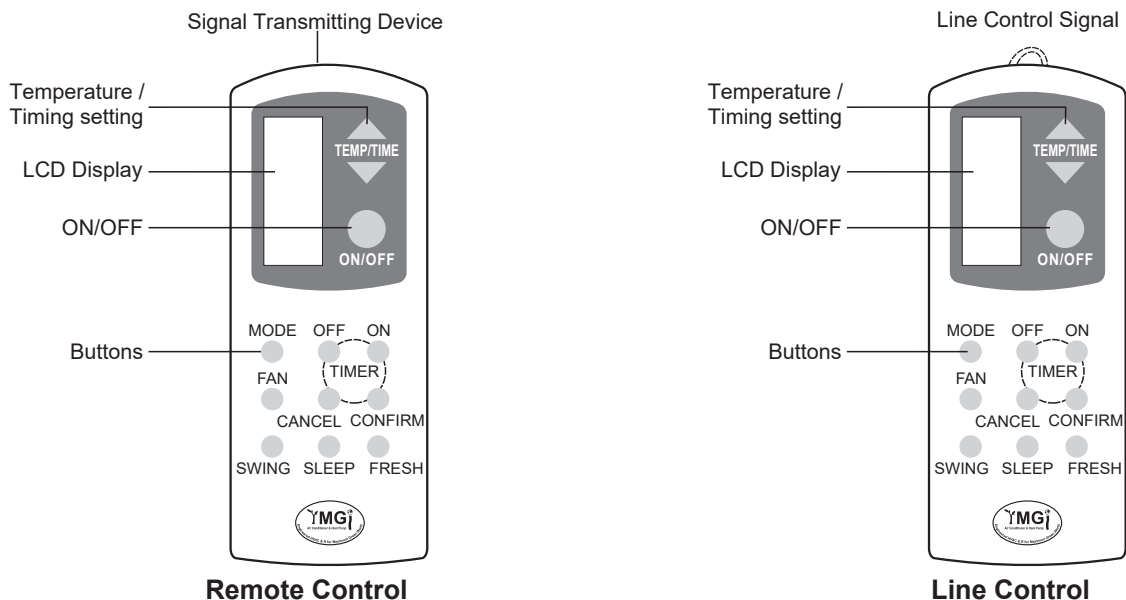
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INDOOR UNIT-MAJOR COMPONENTS



Remote Control (or Optional Wall Thermostat)

REMOTE OR LINE CONTROL

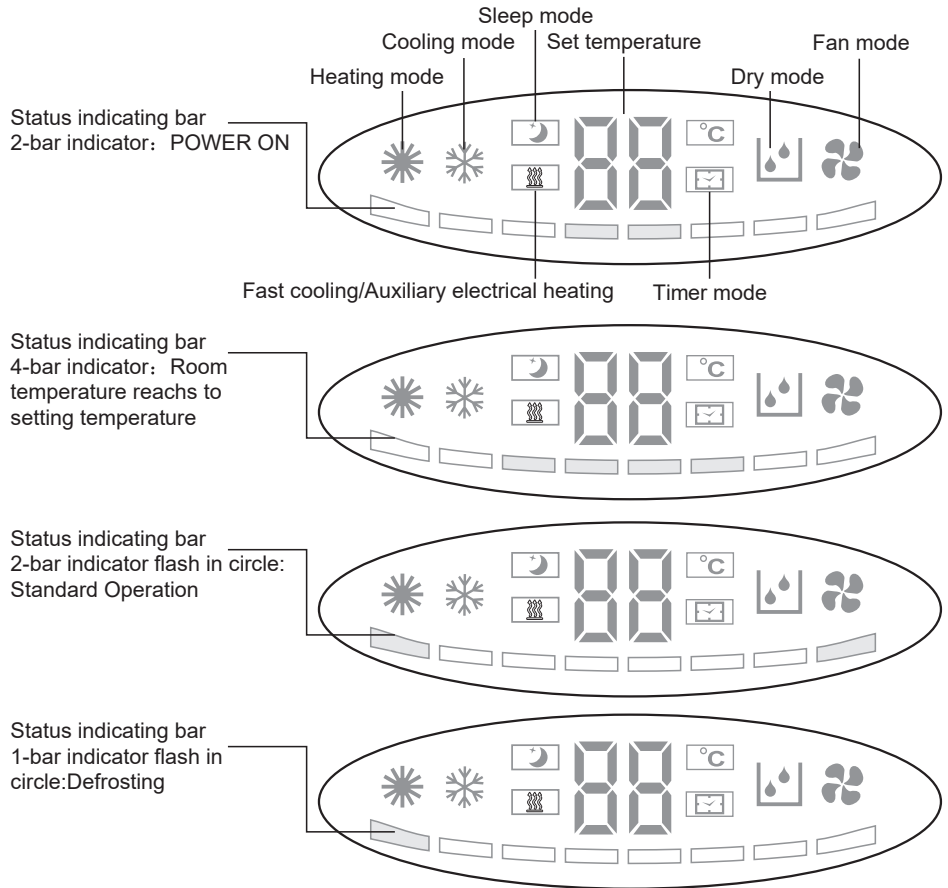


Notes:

- Default control is remote
- There is no heat mode in cool only air-conditioner

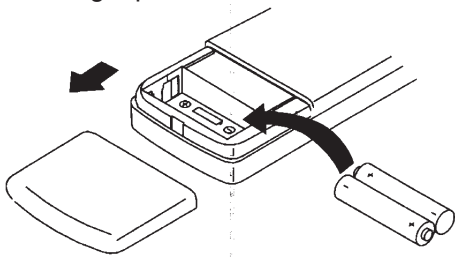
LED DISPLAY PANEL

(Notes: may be hidden in unit and not exposed to customers)

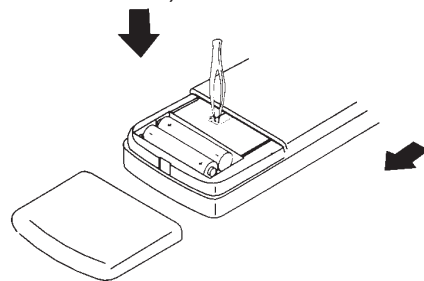


REPARATION OF REMOTE OR LINE CONTROLER

Open the lid at back, place the 2 AAA 1.5V-LR03 batteries in right polarities.

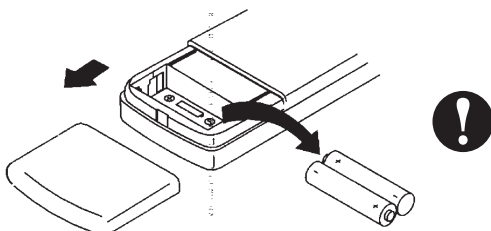


Short-circuit RESET button as indicated (after the change of the batteries).



NOTICE

Remove the batteries if you don't use the remote/line control for a long period.



If the remote control does not operate correctly, press RESET button to resolve it.

The signal can be transmitted as far as 275 inches (23 feet) away from the indoor unit if the control is pointed towards the front of the indoor unit.

Take care of the remote/line control. To avoid any problem, do not drop it on the floor or throw it or expose it to the humidity.

When press a button, the indoor unit beeps once or twice, indicating the indoor unit has received control signal.



FUNCTIONS-REMOTE OR LINE CONTROL

A. Power

BATTERY ON/OFF

- Once two AAA batteries are loaded into the remote control battery compartment in the right polarity, LCD screen shows all signs available for 3 seconds before they all go off the screen totally.
- Once one or two batteries are unloaded from the remote control battery compartment, if no button is touched, the LCD screen display will go off in 15 seconds, if any button is pressed within 15 seconds, the LCD screen display will go off right away.

B. Run/Stop "ON/OFF" ON/OFF

- If ON/OFF button is pressed the first time, LCD displays AUTO, temperature meter sign, AUTO FAN and SWING from the top to bottom of the LCD screen;
- If ON/OFF button is pressed after power off, LCD displays what is left prior to POWER OFF (including MODE, TEMPERATURE, FAN SPEED, LOUVER, but excluding SLEEP, TIMER and FRESH).

C. "MODE" MODE

- MODE includes: AUTO, COOL, DRY, FAN and HEAT. Mode changes from one to the next one in a sequence once MODE button is pressed.
 - In AUTO mode, temperature number goes off, all other buttons work.
 - In all other modes, temperature number shows up, all other buttons work.
- Cool only type has not HEAT mode. Each time MODE button is pressed, the operation mode is changed in a sequence: Cool, Dry, Fan only and Heat.

D. Temperature/Time Adjustment "▲▼" TEMP/TIME

- Normally, these buttons are for temperature up and down adjustment at 1F/press, to decrease 1F, press "▼" button once; to increase 1F, press "▲" button once; If held down for continuous adjustment, number changes at 1F/0.5Sec.
- These buttons are for time adjustment too. If pressed intermittently within 5 seconds after pressing TIMER ON or TIMER OFF, time (hour) changes at 1hour/press; if held down continuously, time changes at 1hour/0.5Sec. Time cycle is between 1-12hrs.
- Temperature/Time change will show up on the Control's LCD display.
- Temperature range is 64 to 86F, Time range is 0 to 24Hr or 0 to 12Hr.

E. Fan Speed Adjustment FAN

FAN MODE includes: AUTO, LOW, MED and HIGH. Every time "FAN" button is pressed once, fan sign changes once from one to the next one in a sequence: LOW (1-section/fan blade spins slowly), MED. (3-section/fan blade spins a little quicker), HIGH (5-section/fan blade spins quicker), AUTO (4-blade fan).



F. "FRESH" FRESH

Otherwise claimed, this button is not actuated for:

- * Fresh air, or,
- * Manual turn on or off supplemental heating

G. "SLEEP" SLEEP

Press "SLEEP" button to turn the unit into or out of SLEEP mode. When SLEEP button is pressed, star/moon sign either shows up or goes off. If star/moon sign is ON, MODE turns into SLEEP mode (see related function change separately); if pressed again, star/moon sign goes off, MODE turns into the regular.

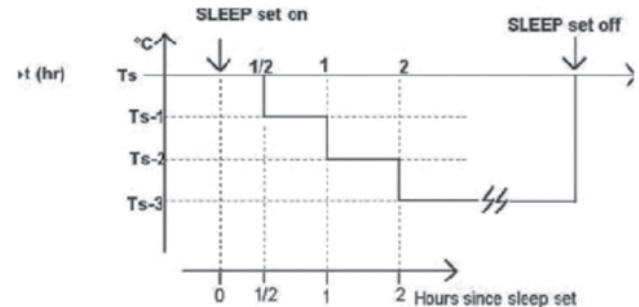
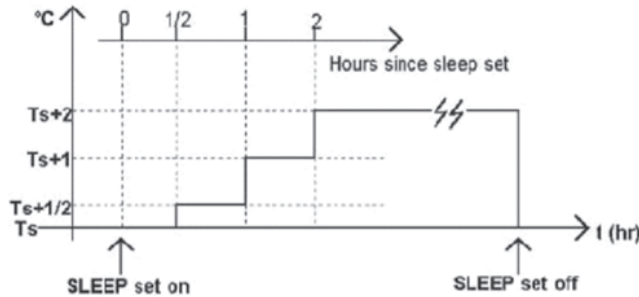
FUNCTIONS-REMOTE OR LINE CONTROL

SLEEP FUNCTION

This function will increase or decrease the set temperature over time.

The COOL mode SLEEP profile is as follows:

The HEAT mode SLEEP profile is as follows:



When Sleep Mode Gets Started During Cooling

The set temperature will automatically rise 0.5 or 1 degree, once every 1/2 or 1 hour, for several times, in a period of 2 hours, and then stay at T_s+2 until Sleep Mode button is pressed off, following a sample pattern as illustrated at the left side picture above.

This way, fan blows at low speed, set temperature is getting higher so that the room temperature will not be conditioned too low, to accommodate the decreased cooling load when people fall in sleep at night time, and other heat gain also drops due to less activities and energy consumption and dropped outdoor temperature.

When Sleep Mode Gets Started During Heating

The set temperature will automatically start to drop 1 degree, once every 1/2 or 1 hour, for several times, in a period of 2 hours, and then stay at T_s-3 until Sleep Mode button is pressed off, following a sample pattern as illustrated at the right side picture above.

This way, fan blows at low speed, set temperature is getting lower so that the room temperature will not be conditioned too warm, to accommodate the decreased heating load when people fall in sleep at night time, and other heat loss also drops.

H. "SWING"



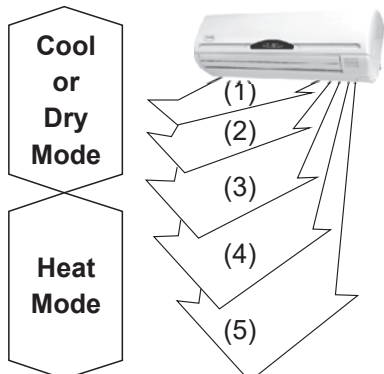
When power turned on, louver will fully open, then shut off; when power turned off, all shut off.

Whenever "SWING" button is pressed once, up-down louver(s) will oscillate between up and down, or stop oscillating and stay still, or be turned off.

⚠ WARNING Control with the remote control to adjust up/down air flow direction, NOT to adjust louvers during swinging.

- In Cool or Dry mode, louver swings to blow air downward in (1), (2) and (3) zones.
- In Heat mode, louver swings to blow air downward in (3), (4) and (5) zones.

In SWING mode, the deflector will not oscillate left-right back and forth, if otherwise stated. Air flow right / left direction change shall be done by manual adjustment. Conduct this adjustment when unit and all moving parts stop running. If adjust during operation, the auto swinging louver may pinch your fingers.



OPERATION OF THE UNIT

A. AUTO MODE

When started, operation mode will turn into COOL or DRY or HEAT mode upon room temperature as shown in the following table. Once AUTO operation mode is set, unit will change operation mode as the room temperature changes. If unit restarts after last operation stops for two hours, it will start in the same mode as set before operation was stopped. Press SWING button to change air flow direction up/down.

Room temperatures(RT)	Cool Only Unit		Heat Pump Unit	
	Mode	Pre-Set Temperature	Mode	Pre-Set Temperature
Above 78°F	Cool	77°F	Cool	77°F
From 68-78°F	Dry	(RT-35)°F each 3 minutes	Dry	(RT-35)°F each 3 minutes
Below 68°F	Heat	NA	Heat	73°F

B. COOL MODE

Pointing remote/line control to the unit, press MODE button until COOL is shown. Press TEMPERATURE ADJUSTMENT button to change the setting temperature. In this mode, you can press SWING button or MANUAL SWING button, if available, to change up/down air flow direction. Press FAN SPEED button to change the fan speed of indoor unit. Once the temperature settled is reached, both indoor and outdoor unit will stop to run. Outdoor unit will work again as soon as the indoor air temperature sensor feels the room temperature is 1 or 2°F higher than set temperature.

Once set temperature is reached, outdoor unit compressor and fan motor will stop working right away, outdoor reversing valve stays un-energized.

- 1) If "circulation" function is built in (2008.06 or earlier production), then the indoor fan will keep on rotating to circulate the air in the room, so that air temperature stratification will not be caused, and then compressor will not come on and go off often.
- 2) If "circulation" function is NOT built in (2008.06 or later production), then the indoor fan will keep on rotating for 60 to 90 seconds to blow out the residual cooling capacity left on cold coil, then shut off.

Once the sensed indoor temperature is 1 or 2 F above set temperature and the 3-minute compressor restarting protection time is passed, indoor unit fan motor and outdoor unit compressor and fan motor will resume to work right away.

C. DRY MODE

Pointing remote/line control to the unit, press MODE button until DRY is shown. In this mode, you can press SWING button or MANUAL SWING button, if available, to change up/down air flow direction. Press FAN SPEED button to change the fan speed of indoor unit.

D. FAN MODE

Pointing remote/line control to the unit, press FAN button until DRY is shown. In this mode, you can press SWING button to change up/down air flow direction. Press FAN SPEED button to change the fan speed of indoor unit.

OPERATION OF THE UNIT

E. HEAT MODE

Pointing remote/line control to the unit, press MODE button until HEAT is shown.

In this mode, you can press FAN SPEED button to change the fan speed of indoor unit. Press TEMPERATURE ADJUSTMENT button to change the setting temperature. As heat pump starts indoor unit will not start to blow air only until the sensed indoor coil copper tube temperature is warm enough (anti-cold blowing). Outdoor fan motor and compressor will start to work right away. In heat pump mode, larger pipe at outdoor unit should be hot and smaller pipe should be warm.

Once set temperature is reached, outdoor unit compressor and fan motor will stop working right away, outdoor reversing valve stays energized for 2 minutes, while indoor unit will keep on blowing residual heat for a little while before it fully stops.

Once the sensed indoor temperature is 1 or 2 F below set temperature and the 3-minute compressor restarting protection time is passed, outdoor reversing valve will be energized first, then outdoor unit compressor and fan motor will resume to work. Indoor blower will start to blow warm air once the indoor coil is warm enough (sensed temperature).

NOTES:

- 1) If "circulation" function is built in (2008.06 or earlier production), then the indoor fan will keep on rotating to circulate the air in the room, so that air temperature stratification will not be caused, and then compressor will not come on and go off often.
- 2) If "circulation" function is NOT built in (2008.06 or later production), then the indoor fan will keep on rotating for 60 to 90 seconds to blow out the residual heating capacity left on warm/hot coil, then shut off.
- 3) During heat pump mode, outdoor unit may need to defrost to get rid of ice/frost built up in cold weather as much as possible. In this case indoor fan motor stops, outdoor compressor works, outdoor fan motor cycles unit defrost cycle quits upon both sensed temp and/or time.
- 4) Heater will start as supplemental heat to heat pump, once the outdoor temperature is low and the difference between sensed indoor temperature and sensed indoor coil temperature is lower than the designated value.
- 5) Suggest set indoor temperature between 68°F and 75°F. Heating efficiency becomes inferior when room temperature is below 35°F.



F. TIMER

CANCEL CONFIRM

"TIMER ON" AND "TIMER OFF"

"TIMER ON" is to set up the hour span from now on when the unit will be turned ON. "TIMER OFF" is to set up the hour span from now on when the unit will be turned OFF. "TIMER ON" or "TIMER OFF" set-up must be input by pressing the "TIMER CONFIRM" button.

Once pressed, TIMER related signs show up and hour sign blinks. If pressing TIMER "ON" or "OFF" button, time changes at 1hr/press (being held down intermittently) or 1hr/0.5second (being held down continuously); If no action 5 seconds after pressing TIMER "ON" or "OFF", or "CONFIRM" button is not pressed 5 seconds after time adjustment is made, TIMER related signs will go off in another 10 seconds.

"CANCEL"

Once TIMER "CANCEL" button is pressed, previous TIMER set-up shall be cleared and all TIMER related signs go off.

NOTICE: To cancel timer, press CANCEL button of the Timer. If power sets off, time must be reset, otherwise Timer Operation will not be right.

"CONFIRM"

Once TIMER "CONFIRM" button is pressed, set-up of TIMER "ON" or TIMER "OFF" is actuated.



YMGI is dedicated to designing, manufacturing and distributing the highest quality, energy saving and environmentally friendly air conditioner and heat pump products, while providing the best service and support to all of our customers. Our mission is to help build a sustainable, efficient and green world.

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(55) Multiple PV, (56) Single PV; (78) Multiple PH; (79) Single PH
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(58)2-Single Zone 16-22 SEER, 09-36K Btu/h
(58)3-Single Zone 21 SEER, 09-36K Btu/h
(58)4-Single Zone 30 SEER, 09-18K Btu/h
- **Symphony CHOIR DC Inverter**
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Unit appearance and specifications are subject to change without notice.

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