

OPERATING INSTRUCTIONS FOR MINI-SPLIT UNITS



HEAT PUMP MODELS

WM6H424ZMI
WM9H424ZMI
WM12H424ZMI
WM18H424ZMI
WM24H424ZMI

TABLE OF CONTENTS

USER INSTRUCTIONS.....	1
PARTS IDENTIFICATION.....	2
DISPLAY PANEL.....	3
OPERATING TEMPERATURE.....	4
EMERGENCY OPERATION.....	4
AIRFLOW DIRECTION CONTROL.....	5
CARE AND MAINTENANCE.....	6
USING THE REMOTE CONTROL.....	7
LCD INDICATORS.....	8
REMOTE CONTROL OPERATION.....	9
USE OF THE REMOTE CONTROL.....	10
AUTO OPERATION.....	10
COOLING/HEATING/FAN OPERATION.....	10
DRY (DEHUMIDIFYING).....	11
SWING OPERATION.....	11
ECO/GEAR OPERATION.....	12
FREEZE PROTECTION.....	13
SILENCE OPERATION.....	13
SET OPERATION.....	14
TIMER OPERATION.....	15
CLEAN OPERATION.....	16
OPERATION TIPS.....	17
TROUBLESHOOTING TIPS.....	18
WARRANTY.....	19
TECHNICAL ASSISTANCE.....	19

USER INSTRUCTIONS AND INFORMATION

In this manual, you will find safety information for operating your new unit. For your safety and the safety of others, please read and understand all cautions located throughout this manual. Retain this manual for future reference.

WARNINGS AND CAUTIONS

Please read the instruction manual prior to use to ensure proper operation of your unit. Installation to be performed by a licenced technician and/or electrician.

INSTALLATION

These units are not intended to be a primary source of heating.

These units are not designed to be installed in the following locations:

- In areas where there is a possibility of combustible gases or fumes.
- In a corrosive atmosphere.
- In damp or moist areas.

Always use correct size wiring and circuit breaker or fuse. Failure to do so may cause fire.

OPERATION

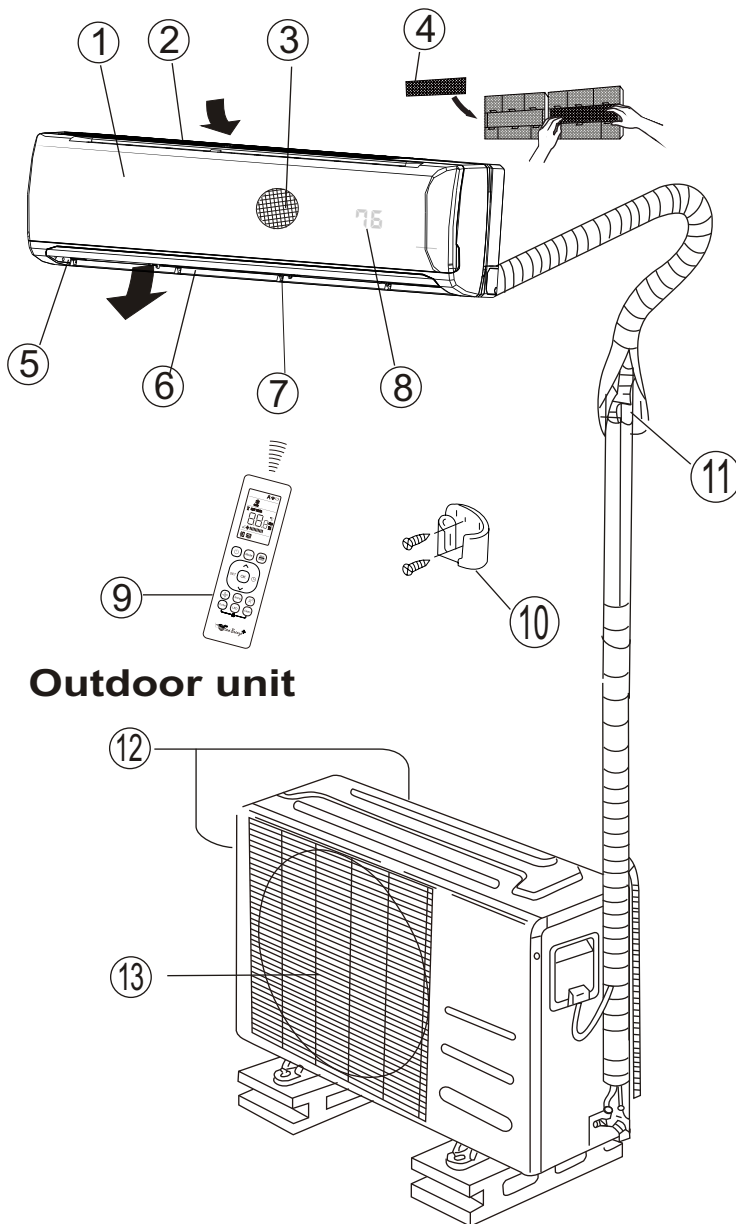
- Always turn the unit to the “OFF” mode with the remote control. Never use a circuit breaker or fuse as a means to turn the unit off and on except in the case of repair.
- Do not operate this unit if you are wet or have wet hands. Electric shock can occur.
- Do not spray insecticides, paints, or other flammable sprays or liquids into or around the unit.
- Do not put foreign objects into the unit.
- Do not hang or place items on the unit.
- Do not use harsh chemicals such as paint thinner, benzene, or polish to clean the unit.
- During cooling operation, shades, blinds, and curtains should be used to shade the room from direct sunlight.



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

PARTS IDENTIFICATION

Indoor unit



Indoor unit

- 1. Front panel
- 2. Air inlet
- 3. Air filter (under cover)
- 4. Air freshening filter (on the front of part 3)
- 5. Air outlet
- 6. Horizontal air flow grille
- 7. Vertical air flow louver
- 8. Display panel
- 9. Remote control
- 10. Remote holder

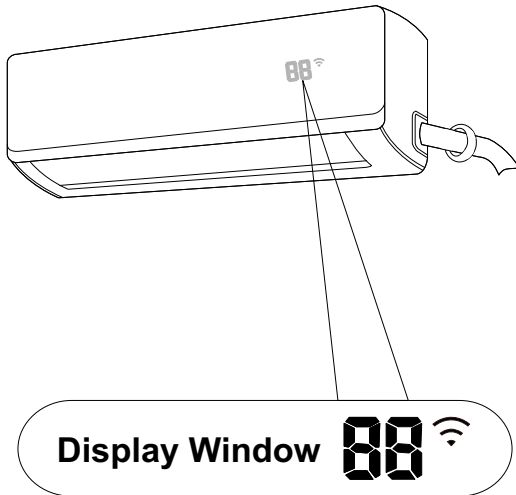
Outdoor unit

- 11. Connecting pipe, drain hose
- 12. Air inlet (side and rear)
- 13. Air outlet

NOTE:

All the pictures in this manual are for explanation purpose only. Your air conditioner may be slightly different.


DISPLAY PANEL



NOTE:

The indoor unit will normally display the set point temperature unless the "FAN" mode is selected. If the "FAN" mode is selected the display will indicate actual room temperature.

Operating Symbols Displayed in Panel

- ON** illuminates for 3 seconds when:
- TIMER is activated.
 - SWING, TURBO, or SILENCE features are turned on.
- OF** illuminates for 3 seconds when:
- TIMER is deactivated.
 - SWING, TURBO, or SILENCE features are turned off.
- cF** illuminates when anti-cold air feature is turned on. Check detail for the Indoor Fan Operation on page 18.
- dF** illuminates when unit is defrosting. Check detail for the defrosting Operation on page 18.
- CL** illuminates when the clean feature is activated. Check detail explanation on page 16.
- FP** illuminates when freeze protection is turned on. Check detail explanation on page 13.
- 88** temperature setpoint
- Displays "Set Point" in the following modes:
 - Auto, Cool or Heat
 - Displays "Actual Room Temperature" in the Fan mode.
-  illuminates when wireless control feature is activated.

NOTE: There will not be a visible display on the front cover when the unit is off. The LED's are on the backside of the cover and shine through the cover to create the display when the unit is on.

OPERATING TEMPERATURE

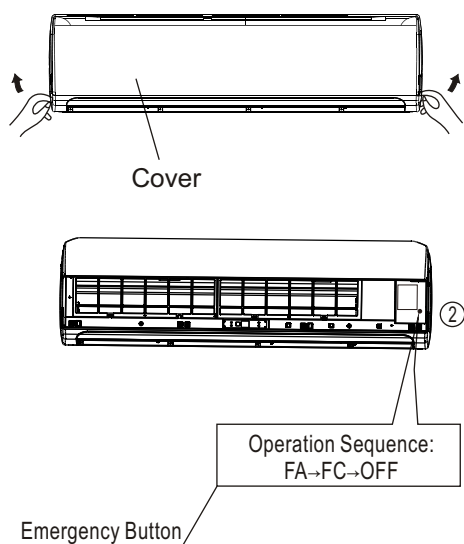
Mode Temperature	Cooling operation	Heating operation	Drying operation
Selectable temperature	60 °F ~ 90 °F	32 °F ~ 86 °F	50 °F ~ 90 °F
Outdoor temperature	-13 °F ~ 122 °F	-13 °F ~ 75 °F	32 °F ~ 122 °F

CAUTION:

1. If the outdoor temperature conditions are outside the suggested operating range, certain safety and protection features (error codes) may cause the unit to malfunction or stop operating.
2. If fully opened in the maximum downward position for long periods of time, condensate may drip from unit in the Cool or Dry mode.
3. Optimum performance will be achieved when operating in the specified temperature range.

EMERGENCY OPERATION

Emergency operation can be used temporarily in case of lost remote control or low battery.

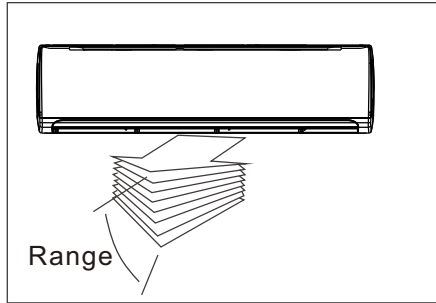


- ① Lift the front panel up until it remains fixed with a clicking sound.
- ② Push the button 1 time, "run" indicator lights up, the unit will work in Forced AUTO mode (the default setting temperature is 76 °F).
- ③ Press button within 5 seconds and the unit will activate the Forced Cool function. This will operate the system in cooling mode. This can be helpful for charging with refrigerant and service.
- ④ Press again to turn the unit off.
- ⑤ Close the panel firmly to its original position.

NOTE:

To restore the remote control operation, use the remote control directly.

AIRFLOW DIRECTION CONTROL



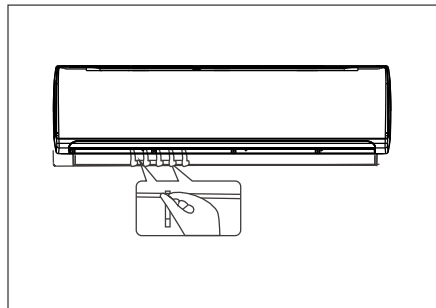
- Adjust the horizontal louver using the remote control.
- Adjust the vertical louver manually.

Setting the air flow direction (Up-Down)

Perform this function while the unit is in operation.

Use the remote controller to adjust the air flow direction.

The horizontal louver can be moved at an angle of 6° for each quick press or hold down SWING button (3 seconds) to set to auto SWING. Please refer to the REMOTE CONTROL section for more details.

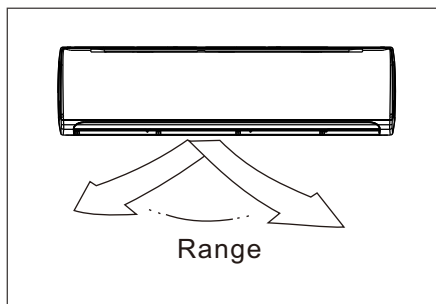


Setting the air flow direction (Left-Right)

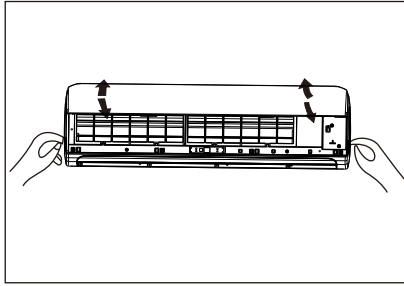
Adjust the vertical louver manually by reaching through the horizontal louvers and gently position the louver to desired position.

⚠ CAUTION

- If fully opened in the maximum downward position for long periods of time, condensate may drip from unit in the Cool or Dry mode.
 - Do not move the horizontal louver manually. Always use the SWING button. If you move this louver manually, it may damage the louver. If the louver malfunctions, stop the unit and restart it. When the unit is started immediately after it was stopped, the
 - horizontal louver might not move for approximately 10 seconds. Open angle of the horizontal louver should not be set too small,
 - as COOLING or HEATING performance may be impaired due to restricted air flow.
- Do not operate unit with horizontal louver in closed position.
- When the unit is initially connected to power, the horizontal
 - louver may generate a sound for about 10 seconds, this is normal.



CARE AND MAINTENANCE



Beginning of Season:

PRIOR TO OPERATION

- Carefully inspect both indoor and outdoor unit for blockages of the inlet and outlet exhaust vents.
- Inspect ground connection. Ensure that ground wire is properly connected.
- Inspect Air Filters and clean if necessary.
- Install new batteries in the remote control unit (2 ea. "AAA").

During the Season:

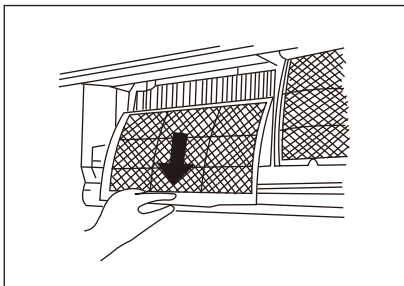
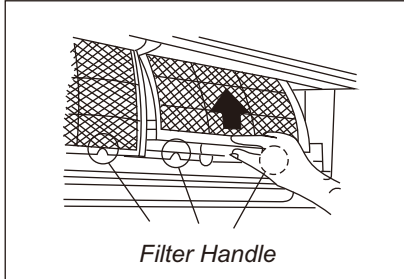
CLEANING THE AIR FILTERS

Filters should be cleaned every 2 weeks or more often if the unit is used continuously or the unit is operated in a dusty environment.

TO REMOVE THE AIR FILTERS

Open the indoor unit by pressing on the outside edges of the lower corners of the cover and pull outwards. The front cover will swing upwards and snap in the up position.

**DO NOT OPEN FRONT COVER FURTHER THAN STOPS.
DO NOT FORCE THE FRONT COVER OPEN.**

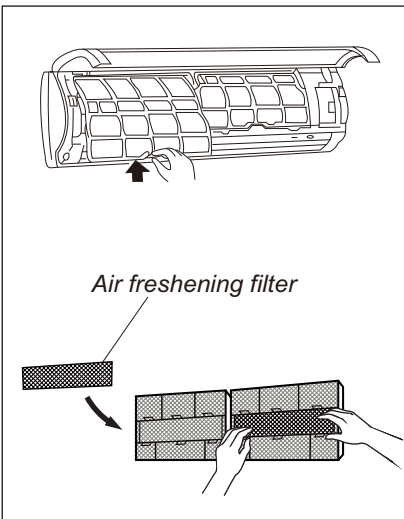


To remove the filters, push the filter upwards from the bottom to release.

Clean the filters by washing in lukewarm water (about 86°F). Allow the filters to dry before re-installing.

DO NOT USE HOT WATER OR HARSH CHEMICALS.

Re-install clean filters by sliding the filter in at the top then locking behind tabs on the bottom.



**DO NOT OPERATE THE UNIT WITHOUT THE FILTERS IN PLACE.
DAMAGE TO THE UNIT COULD OCCUR.**

NOTICE: Performance of this unit is greatly reduced when operated with dirty, damaged, or clogged filters.

After the operating season:

Set the temperature to 86°F and operate the unit in the FAN MODE for about 4 - 6 hours to thoroughly remove any moisture from the interior of the unit.

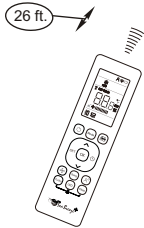
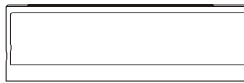
Turn the unit off.

Clean and re-install the air filters.

Clean both the indoor and outdoor units.

Remove batteries from the remote control and store it in a safe place.

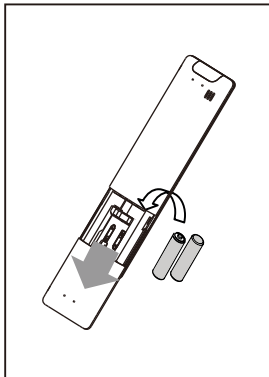
USING THE REMOTE CONTROL



The remote control can be used from a distance up to 26 feet from the indoor unit. When pressing a button on the remote, confirmation the command sent has been received is when the unit beeps.

CAUTIONS

- The air conditioner will not operate if curtains, doors or other materials block the signals from the remote controller to the indoor unit.
- Prevent any liquid from falling into the remote controller. Do not expose the remote controller to direct sunlight or heat.
- If the infrared signal receiver on the indoor unit is exposed to direct sunlight, the air conditioner may not function properly. Use curtains to prevent the sunlight from falling on the receiver.
- If other electrical appliances react to the remote controller, either move these appliances or consult your local dealer.
- Do not drop the remote controller. Handle with care.
- Do not place heavy objects on the remote controller, or step on it.



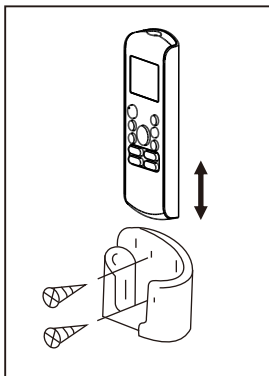
REPLACING THE BATTERIES

The remote control is powered by 2 AAA batteries (included) and housed in the back of the remote control.

- Turn the remote over and remove the cover by pressing and sliding off.
- Remove the old batteries and insert new batteries in the same direction as the old batteries came out.
- Replace the cover.
- When replacing batteries, do not mix old and new batteries or types of batteries.
- Remove batteries if the remote control will not be used for an extended time.
- Please dispose old batteries properly.

NOTE: When the batteries are removed, all programming is erased.

After installing new batteries the remote must be reprogrammed.



USING THE REMOTE CONTROL HOLDER

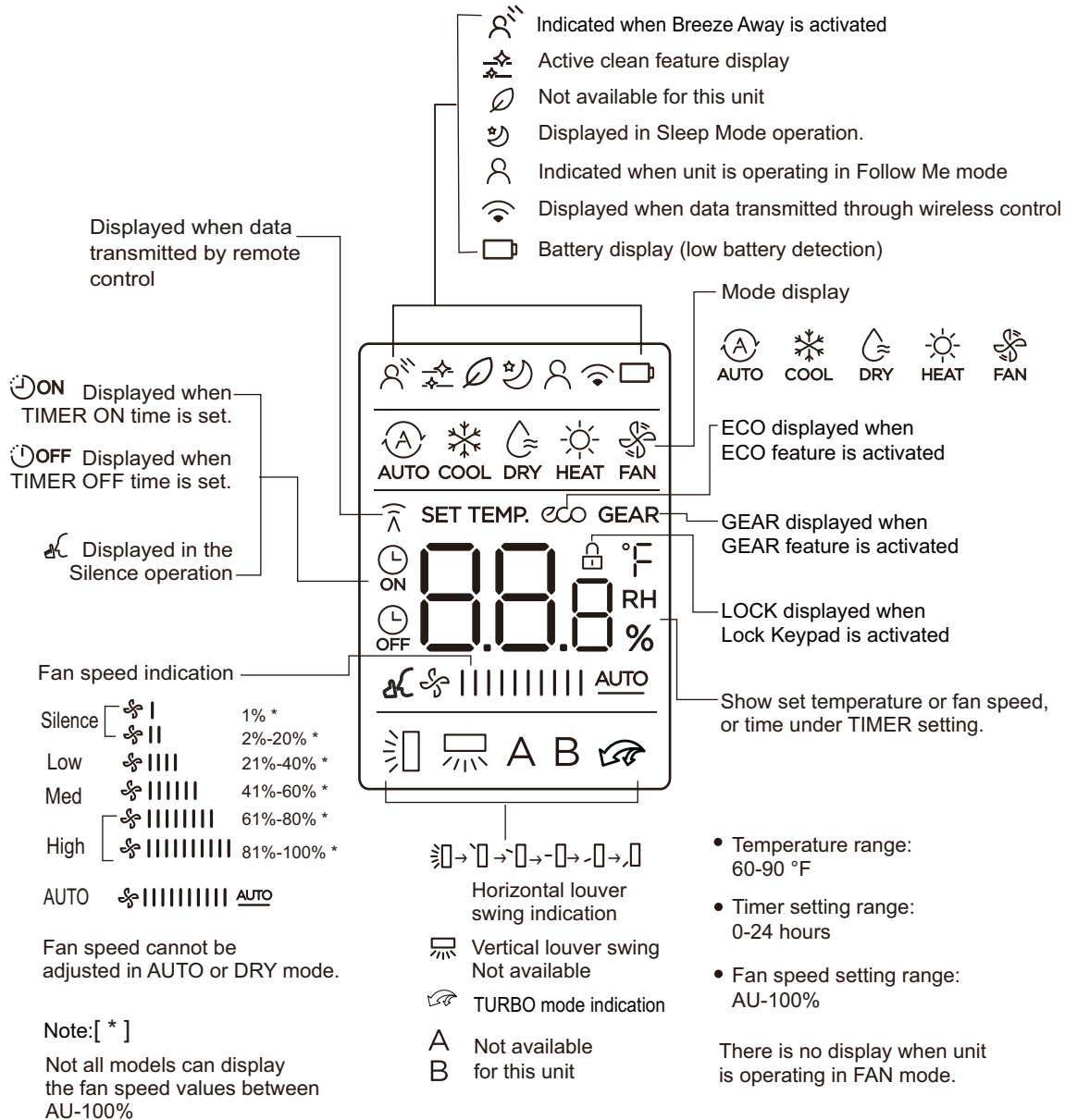
- The remote control can be attached to a wall or pillar by using a remote control holder.
- Install the remote control holder with two (2) screws..
- For installing or removing the remote controller, move it up or down in the holder.

REMOTE CONTROL FEATURES

1. Operating mode: AUTO, COOL, DRY, HEAT and FAN.
2. 24 hour Timer On and Timer Off functions.
3. ENERGY SAVING function.
4. FOLLOW ME function.
5. Freeze Protection function.
6. CLEAN function.

LCD INDICATORS

Icons are displayed when the remote control is powered on.



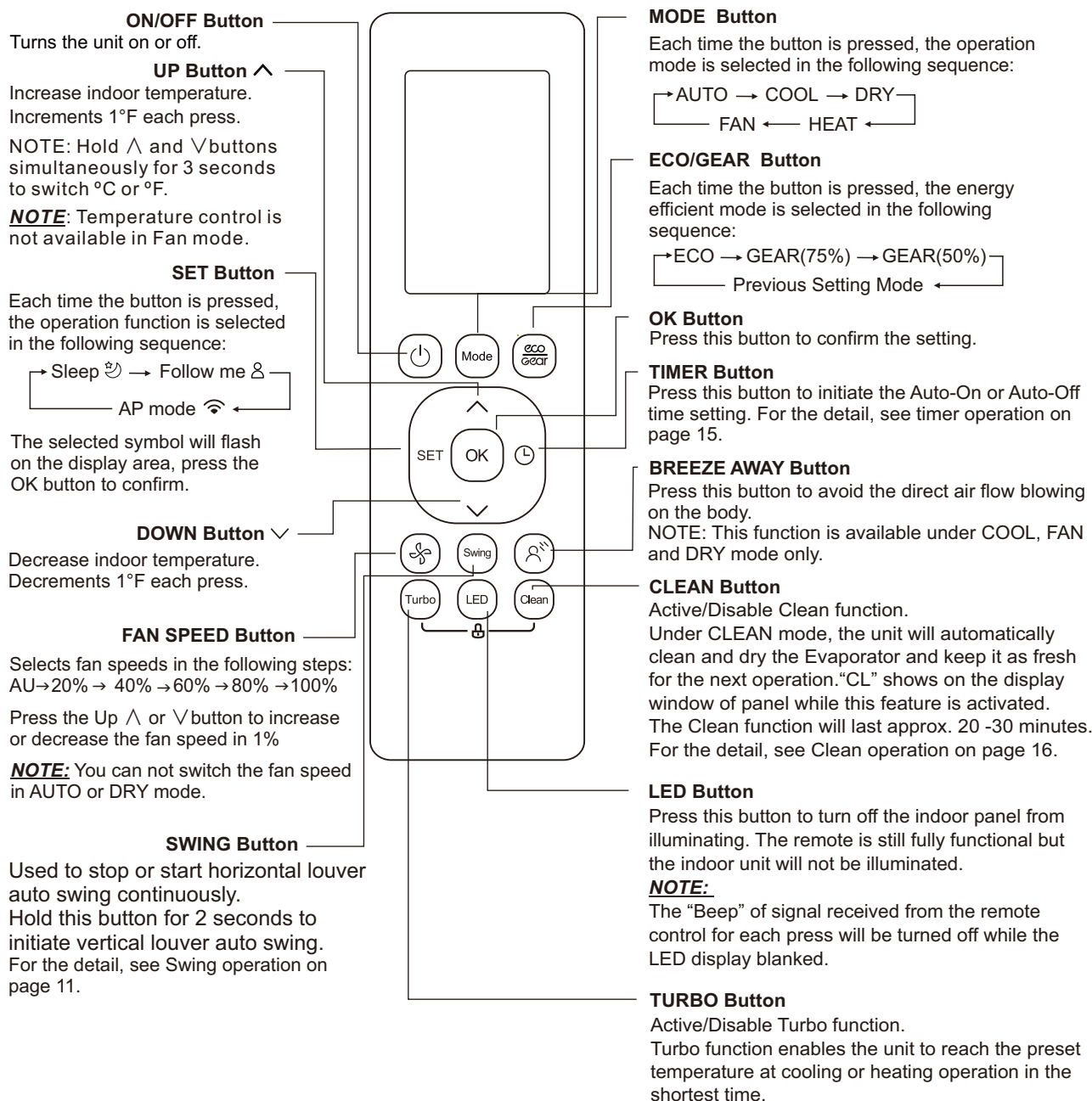
NOTE:

All indicators shown in the figure are for the purpose of clear presentation. But during the actual operation only the relative functional signs are shown on the display window.

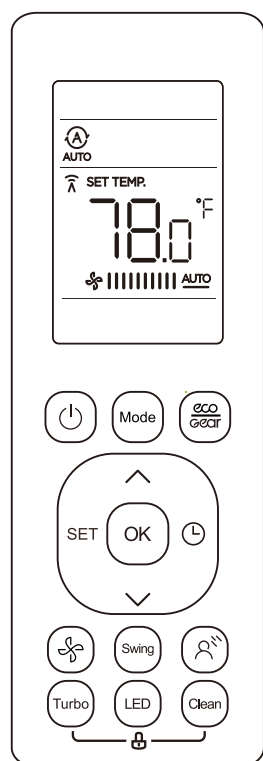
REMOTE CONTROL OPERATION

NOTE:

- When changing functions, please allow 3 - 4 minutes for the condenser unit to restart.
The DEFROST icon will illuminate during this period.
- Remote communication distance is within 26 feet.



USE OF THE REMOTE CONTROL



AUTO OPERATION

- 1) Press the **Mode** button to select AUTO.
- 2) Press the UP \wedge or DOWN \vee to adjust the temperature setting.
The temperature can be set to 60°F ~ 90°F in 1°F increments.
- 3) Press the \odot button to start the unit.
The AUTO icon will illuminate.
- 4) Display will indicate "SET TEMP".

NOTE:

In the AUTO mode the function will automatically change from HEAT-COOL-FAN depending on temperature.

In the AUTO mode, you cannot change the fan speed. It has been pre-programmed.

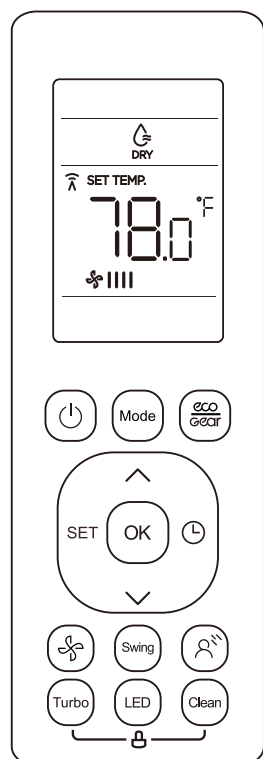
COOLING/HEATING/FAN OPERATION

- 1) Press the **Mode** button to select COOL, DRY, HEAT or FAN mode.
- 2) Press the UP \wedge or DOWN \vee to adjust the temperature setting. The temperature can be set to 60°F ~ 90°F in 1°F increments.
(The temperature set range is 32 °F ~ 86 °F in Heating mode only.)
When temperature is changed the display will flash, this is normal.
- 3) Press the \odot button to select the fan speed in the following steps: AU, 20%, 40%, 60%, 80%, 100%.
- 4) Press the \odot button to start the unit.
 - The icon will illuminate indicating the mode selected.
 - Display will indicate "SET TEMP." in the Cool or Heat mode.
 - In Fan Mode, the indoor panel display will indicate "Actual Room Temperature" while no temperature displays on the remote control.

NOTE:

- a) In the FAN mode (air circulation only), the setting temperature is not displayed in the remote control and you are not able to control the room temperature. In this case, only step 1, 3 and 4 may be performed.
- b) When indoor temperature is satisfied in COOLING the compressor will keep running at lowest speed until next call for cooling. If room temperature keeps on dropping, the compressor will turn off finally. The indoor fan keeps operating continuously.
- c) When indoor temperature is satisfied in HEATING the compressor will keep running at lowest speed until next call for heating. If room temperature keeps on rising, the compressor will turn off finally. The indoor fan will continue to operate until the indoor unit coil temperature has decreased - the indoor fan will then turn off.
- d) When the unit is in DEFROST, "dF" on the front panel of the indoor unit will illuminate and the indoor fan will turn off.
- e) Heat mode: The "dF" will be illuminated until the coil temperature reaches a preset temperature and the indoor fan turns on.

USE OF THE REMOTE CONTROL



DRY (DEHUMIDIFYING) OPERATION

- 1) Press the **Mode** button to select the DRY mode.
- 2) Press the UP \wedge or DOWN \vee to adjust the temperature setting. The temperature can be set to 50°F ~ 90°F in 1°F increments.
- 3) Press the \odot ON/OFF button to start the unit.
The DRY icon will illuminate and the unit will operate at LOW fan speed.
Push the \odot ON/OFF button again to stop this operation.
- Display will indicate "SET TEMP." in the Dry mode.

NOTE:

In Dehumidifying (DRY) mode, the fan speed cannot be changed. It has been pre-programmed.

Indoor fan operates at low speed while cooling cycles on and off.

LED DISPLAY

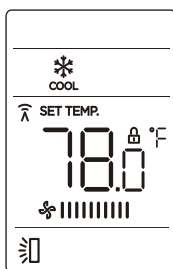
Press the **LED** button to turn off the indoor panel from illuminating. The remote is still fully functional but the indoor unit will not be illuminated.

If a button is pressed to make a change, the change will be illuminated for 10 seconds in the panel.

Hold **LED** button more than 5 seconds, the indoor unit will display the actual room temperature. Hold the **LED** button more than 5 seconds again will revert back to display the setting temperature.

NOTE:

The "Beep" of signal received from the remote control for each press will be turned off while the LED display blanked.



SWING OPERATION

Use the **Swing** button to adjust the direction of the air.

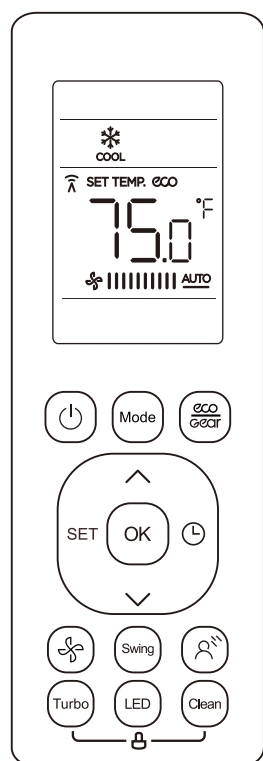
- 1) Press the **Swing** button to move the horizontal louver up or down automatically. Pressing it again will stop the auto swing.
- 2) Press the **Swing** button continuously, the up-down louver can be set at 5 different positions. Press the button again to stop the louver at certain position.

NOTE:


The vertical louver (right-left) must be set manually. Grip the deflector rod and manually adjust it to your preferred direction.

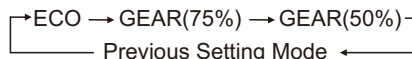
- If fully opened in the maximum downward position for long periods of time, condensate may drip from unit in the Cool or Dry mode.
- COOLING or HEATING performance may be impaired due to restricted air flow if the horizontal louver was set downward.
- When the unit is off, press and hold **Mode** and **Swing** button for one second, the horizontal louver will open for a angle, which makes it very convenient for cleaning. Press and hold **Mode** and **Swing** button for one second again to reset the louver.

USE OF THE REMOTE CONTROL



ECO/GEAR OPERATION

Press the  button to activate the energy efficient mode in the following sequence:



NOTE:


This function is only available under COOL mode.

ECO OPERATION

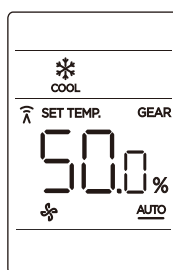
Under COOL mode:

- 1) When the set temperature is below 75°F, press this button, the remote control will adjust the temperature automatically to 75°F, and fan speed to Auto to save energy.
- 2) When the set temperature is above 75°F, press this button will only change the fan speed to Auto, the set temperature will remain unchanged.

NOTE:

Press the  button again, or change the mode, or adjust the set temperature to less than 75°F, will cancel ECO operation.

Under the ECO operation, the set temperature should be 75°F or above, it may result in insufficient cooling.



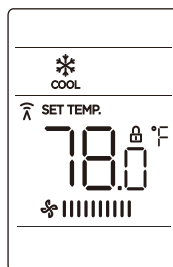
GEAR OPERATION

Press the  button to enter the **GEAR** operation as following:


- 1) 75% - up to 75% electrical energy consumption.
- 2) 50% - up to 50% electrical energy consumption.
- 3) Previous setting mode.

Under GEAR operation, the display on the remote control will alternate between electrical energy consumption and set temperature.

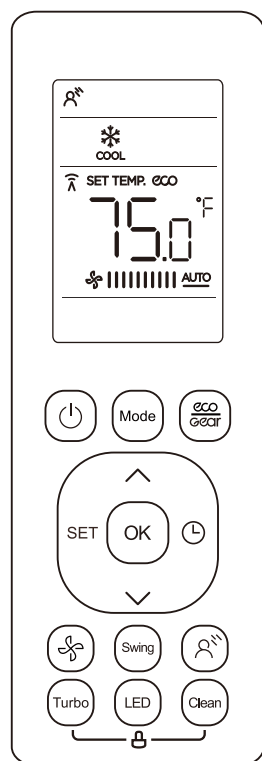
NOTE: The ECO/GEAR function is not available for multi zone units.




LOCK KEYPAD

Press and hold **Clean** and **Turbo** buttons simultaneously more than 5 seconds to active keypad lock. The Lock icon  displays on the remote control. All buttons will not response except pressing and hold these two button again for 2 seconds to disable locking.

USE OF THE REMOTE CONTROL



BREEZE AWAY OPERATION

Press the  button to avoid direct air flow blowing on the body. The icon will display on the remote control.

NOTE:

This function is only available under COOL, FAN, and DRY mode.

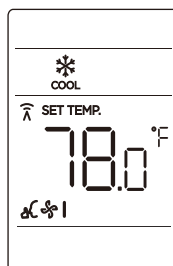
The BREEZE AWAY function is not available for multi zone units.

FP (Freezen Protection) OPERATION


In **HEAT** mode, when the set temperature is 60°F or 68°F, press the DOWN ∨ button twice in one second to automatically set heat to 46°F. The unit will operate at high fan speed (while the compressor is on). “FP” shows on the display window of panel.

It is good for extended times away from home. Keeps pipes from freezing while occupants are away.

Press the buttons of , Mode, , UP ∧ or DOWN ∨ while operating will cancel the FP operation.



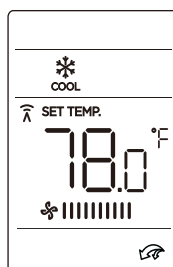
SILENCE OPERATION

Press and hold Fan  button more than 2 seconds to activate Silence function. When the Silence function is activated, the compressor will operate at low frequency and the indoor unit will bring faint breeze, which will reduce the noise to the lowest level and create a quiet and comfortable room for you.

Press the buttons of , Mode, , Turbo or Clean button while operating will cancel the Silence operation.

NOTE: Due to low frequency operation of compressor, it may result in insufficient cooling and heating capacity.

The SILENCE functions is not available for multi zone units.

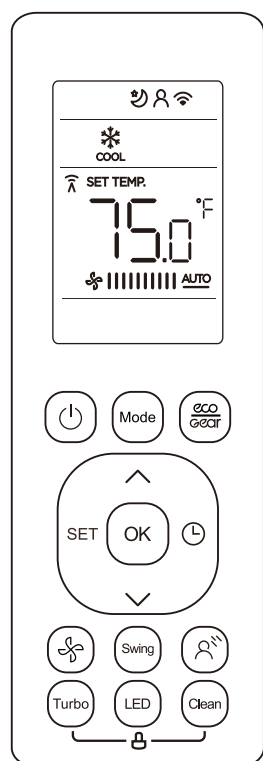


TURBO OPERATION

Press Turbo button to active/disable Turbo function. Turbo function enables the unit to reach the preset temperature at cooling or heating operation in the shortest time.

The TURBO icon  displays on the remote control.

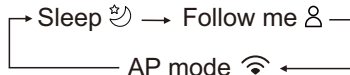
USE OF THE REMOTE CONTROL



SET OPERATION

Press the **SET** button to enter the function setting.

Press the **SET** button or UP \wedge or DOWN \vee button to select the function as below.



Press **SET** button into setting mode, and then press SET or UP \wedge or DOWN \vee button to cancel the selected function.

SLEEP OPERATION

When this function is selected, the set temperature will increase (cooling) or decrease (heating) by 2 °F per hour for the first 1 hours, and will keep increasing (cooling) or decreasing (heating) by 2 °F after another hour.

The SLEEP icon displays on the remote control.

After the total of 8 hours the temperature set point will automatically return to the original setting.

This feature maintains both energy saving and comfort in the SLEEP operation.

The SLEEP function is only available under COOL, HEAT, and AUTO operation.

FOLLOW ME OPERATION

When this function is selected, the room temperature sensing to be transferred from the wall unit (evaporator) to the remote control.

The FOLLOW ME icon displays on the remote control and will indicate actual room temperature while the set temperature shows on the indoor unit panel.

NOTE:

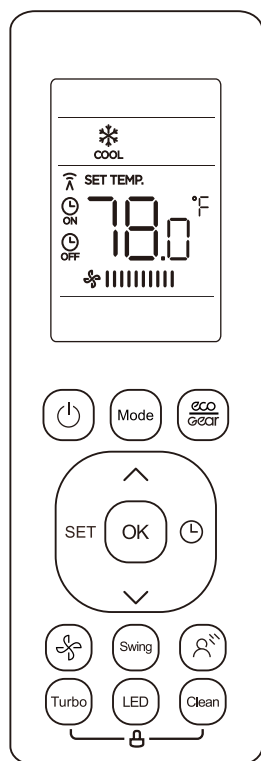
- 1) The remote control will communicate with the indoor unit every 3 minutes interval until the Follow Me function is disabled.
The air conditioner will cancel the Follow Me feature automatically if it does not receive the signal during any 7 minutes interval.
- 2) Press and hold Turbo button for seven seconds to active/disable memory feature of Follow Me function.
 - If the memory feature is activated, "ON" displays for 3 seconds on the LCD.
 - If the memory feature is disabled, "OF" displays for 3 seconds on the LCD.
 - While the memory is activated, press the button, **Mode** button or power failure will not cancel the Follow Me function.

AP OPERATION

When this function is selected, the wireless control allows you to control your air conditioner using your smart phone and wireless connection.

The AP icon displays on the remote control.

USE OF THE REMOTE CONTROL



TIMER OPERATION

Press TIMER ⌚ button. and then press UP ^ or DOWN v button to adjust the time setting by 30 minutes up to 10 hours, then 1 hour increments up to 24 hours. To cancel press the button until it reads 00:00 or turn the unit OFF, and then back on to clear the timer.

After the signal is transmitted the set temperature and TIMER ON ⌚ will be displayed on the LCD display.

If the unit is operating when the timer is set, it will turn the unit off until "ON" time has expired and unit will turn on.

Press TIMER ⌚ button again to set the TIMER OFF.

After the signal is transmitted the set temperature and TIMER OFF ⌚ will be displayed on the LCD display.

If the unit is off when the timer is set, it will turn the on until "OFF" time has expired and unit will turn off.

⚠ CAUTION

When you select the timer operation, the remote controller automatically transmits the timer signal to the indoor unit for the specified time. Therefore, keep the remote control in a location where it can transmit the signal to the indoor unit properly.

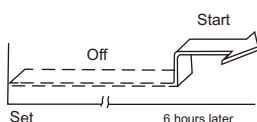
EXAMPLES OF TIMER SETTINGS (TIMER ON OPERATION)

The TIMER ON feature is useful when you want the unit to turn on automatically before you return home. The unit will automatically start operating at the set time.

EXAMPLE:

To start the air conditioner in 6 hours.

1. Press the TIMER ⌚ button, the last setting of starting operation time and the icon "h" will show on the display area.
2. Press the UP ^ button to display "6.0h" on the TIMER ON ⌚ display of the remote control.
3. In about 1 second the digital display area will show the temperature again. The function is now activated.



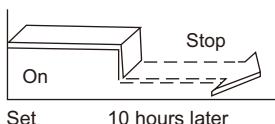
(TIMER OFF OPERATION)

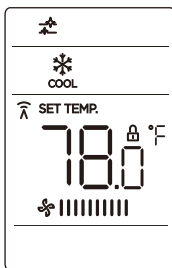
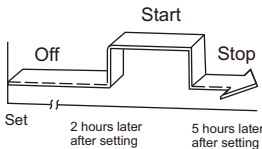
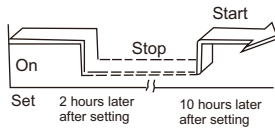
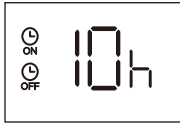
The TIMER OFF feature is useful when you want the unit to turn off automatically after you go to bed. The unit will turn off at the set time.

EXAMPLE:

To stop the unit in 10 hours.

1. Press the TIMER ⌚ button, the last setting of stopping operation time and the icon "h" will show on the display area.
2. Press the UP ^ button to display "10h" on the TIMER OFF ⌚ display of the remote controller.
3. In about 3 seconds the digital display will show the temperature again. The function is now activated.





COMBINING TIMERS

(Setting both ON and OFF timers simultaneously)

TIMER OFF => TIMER ON

(On => Stop => Start Operation)

This feature is useful when you want to stop the unit after you go to bed, and start it again in the morning when you wake up or when you return home.

EXAMPLE:

To stop the unit 2 hours after setting and start it again 10 hours after setting.

1. Press the TIMER ⌚ button.
2. Press the UP ^ button to display "2.0h" on the TIMER OFF ⏻ display.
3. Press the TIMER ⌚ button.
4. Press the UP ^ button to display "10h" on the TIMER ON ⏻ display.
5. Wait for the remote control to display the temperature setting. The "TIMER ON & TIMER OFF" indicator remains on and this function is activated.

TIMER ON => TIMER OFF

(Off => Start => Stop Operation)

This feature is useful when you want to start the unit before you wake up, and stop it after you leave home.

EXAMPLE:

To start the unit 2 hours after setting and stop it 5 hours after setting.

1. Press the TIMER ⌚ button.
2. Press the UP ^ to display "2.0h" on the TIMER ON ⏻ display.
3. Press the TIMER ⌚ button.
4. Press the UP ^ button to display "5.0h" on the TIMER OFF ⏻ display .
5. Wait for the remote control to display the temperature setting. The "TIMER ON & TIMER OFF" indicator remains on and this function is activated.

CLEAN FUNCTION

Press the **Clean** button to active this function. The "CL" illuminates on the front panel of the indoor unit and a "pi-pi" sound will be heard. The Clean Icon 🌬️ displays on the remote control. After about 30 minutes, the operation will be completed and the unit will turn off automatically.

NOTE:

This function clean the evaporator by freezing and thawing the frost quickly to remove the adhered dust. The operation produces more condensed water to improve the cleaning effect and the cold air will blow out. After cleaning, the indoor fan keeps operating with hot air to dry the evaporator.

The Clean function is not available for multi zone units.

TROUBLESHOOTING TIPS

Stop the air conditioner immediately if one of the following faults occur.
Disconnect the power and contact your qualified service technician.

Trouble	If the following code appears on the LED display, disconnect the power and contact a qualified service technician: EH00, EL01, EH02, EH03, EC51 EC52, EC53, EC54, EC56, EH60, EH61, EC07, EH0b, EL0C, PC00, PC01, PC02, PC03, Pc04, PC08, PC40.
	Fuse blows or circuit breaker trips frequently - Contact a qualified service technician.
	Water dripping/mist from the unit - See page 11 note of Swing operation. If this does not resolve the problem, it will be necessary to contact a service technician.
	The remote control won't work or works abnormally. There should be an audible beep each time a button is pressed. (replace batteries).
	Other abnormal situations.

Malfunctions	Cause	What should be done?
Unit does not start.	Main power is off.	Restore power.
	Fuse may have blown or breaker tripped.	Replace the fuse or reset breaker. If the condition continues, contact a service technician.
	Batteries in remote control may be low.	Replace the batteries.
	Check to see if timer is set.	Wait or cancel timer setting.
	Interference from cell phone towers and remote boosters may cause the unit to malfunction.	Disconnect the power, then reconnect. Press ON/OFF button on the remote control to restart operation..
Unit not cooling or heating satisfactorily.	Temperature setting.	Set temperature correctly.
	Air filter is blocked.	Clean the air filter.
	Doors and/or windows are open.	Close the doors and/or windows.
	Air inlet or outlet of indoor or outdoor unit has been blocked.	Clear obstructions and restart unit.
	Compressor 3 to 4 minutes protection delay has been activated.	Wait 3 to 4 minutes.
	SILENCE function is activated.	SILENCE function can lower product performance by reducing operating frequency. Turn off SILENCE function.
	Low refrigerant due to leak or long-term use.	Check for leaks, re-seal if necessary and top off refrigerant.

If the trouble has not been corrected, please contact a local authorized service provider.
Inform them of the malfunctions in detail and have unit model number available when calling.
Never attempt to repair the unit yourself. Always consult an authorized service provider.

OPERATION TIPS

The following events may occur during normal operation.

1. Compressor Protection

The compressor will not restart for 3 to 4 minutes after it turns off. This prevents rapid cycling of the compressor.

2. Indoor Fan Operation

The unit is designed to reduce the possibility of blowing cold air (Anti-Cold Air) in the HEAT mode during one of the three conditions and the set temperature has not been reached.

- a) Initial start up - indoor coil temperature is too low.
- b) Defrost function.
- c) Indoor coil temperature is too low.

Defrost function:

Frost may be generated on the outdoor unit during the heat cycle if the outdoor temperature is low and humidity is high. When this occurs the heat pump will stop the heating operation and start defrosting automatically.

The time to defrost may vary from 4 to 10 minutes according to the outdoor temperature and the amount of frost buildup on the outdoor unit.

3. Mist blowing from the indoor unit

A mist may be generated, in a high humidity environment, due to a large temperature difference between air Inlet and air outlet while in the COOL mode. It may be necessary to raise the set temperature to reduce this condition.

4. Low noise (Indoor Unit)

You may hear a low hissing sound when the compressor is running or has just stopped running. This sound is the sound of the refrigerant flowing or stopping. You may also hear a low noise sound when the compressor is running or has just stopped. This is caused by expansion and contraction of the plastic parts in the unit during temperature changes.

A noise may be heard due to the louver returning to its original position when the unit is first turned on.

5. Dust blowing from the indoor unit.

This is a normal condition when the air conditioner has not been used for a long time or initial start up.

6. Fan cycling - HEAT or COOL modes.

In the cooling mode, indoor fan runs continuously at the selected speed.

In the heating mode, the indoor fan will continue to run until the indoor coil temperature and the room temperatures are satisfied.

If the compressor stops because the room temperature is satisfied, the indoor fan will continue to run for approximately 2 minutes.

This High Efficiency unit is designed to maintain the selected room temperature by slowing the compressor and refrigerant flow to the indoor unit to reduce the energy consumed by starting the compressor.

7. If fully opened in the maximum downward position for long periods of time, condensate may drip from unit in the Cool or Dry mode.

8. Heating mode

The heat pump produces heat from the outdoor unit and releases it via the indoor units coil during the heating operation. When the outdoor temperature falls, heat drawn in by the heat pump decreases accordingly.

At the same time, the heat load increases due to a larger difference between indoor and outdoor temperatures.

If a comfortable temperature can't be achieved by this unit during colder outdoor temperatures, we suggest you use a supplemental heating device.

9. This unit is not intended as a primary heating source.

10. Auto-restart function

After a power outage and the power is restored, the unit restarts automatically at all previous settings.

11. Lightning strikes or nearby strikes can cause the unit to malfunction and possibly damage internal components.

Turn the unit off with the remote and at the breaker. Wait 3 minutes and turn the power on and restart using the remote.

12. To read room temperature set mode to fan, it shows on the indoor unit panel.

13. Outdoor fan speed is controlled to optimize operation.

WARRANTY

International Refrigeration Products warrants the accompanying split air conditioner system to be free of defects in material and workmanship for the applications specified in the operation manual and installation manual for a period of two (2) year on parts and seven (7) years on the compressor, valid from date of original retail purchase in the United States or Canada.
LABOR and SHIPPING are not covered under warranty.

If the unit exhibits a defect in normal use and it is determined to be within the warranty period, International Refrigeration Products will, at its option, either repair or replace the unit free of charge within a reasonable time after the unit is returned.

This warranty DOES NOT cover:

- LABOR, REFRIGERANT or SHIPPING
- Damage, accidental or otherwise, to the unit while in possession of the consumer that is not a result of a defect in material or workmanship.
- Damaged caused by consumer misuse, tampering, or failure to follow all care and maintenance instructions in the manual.
- Damage to the finish of the case or other parts caused by water.
- Damage caused by repairs or alterations to the unit by anyone other than a qualified technician.
- Air Filters
- Freight and insurance cost for the warranty service.

Warranty Activation Card must be completed and sent in to activate the warranty for the accompanying unit. Warranty can also be activated at www.irproducts.biz web site.

TECHNICAL ASSISTANCE

IF YOU STILL NEED SERVICE:

Please contact the installation contractor, or call International Refrigeration Products at (215) 750-9876 between the hours of 8:00 a.m. and 4:30 p.m. EST , Monday thru Friday.

For faster service, please have the model and serial numbers of both the inside unit and the outside unit available when you call.