



# HEAT CONTROLLER

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## **Remote Controller Manual**

# **VMH09/12/18/24 SU Series**

Inverter Single Zone  
Ductless Mini-Split

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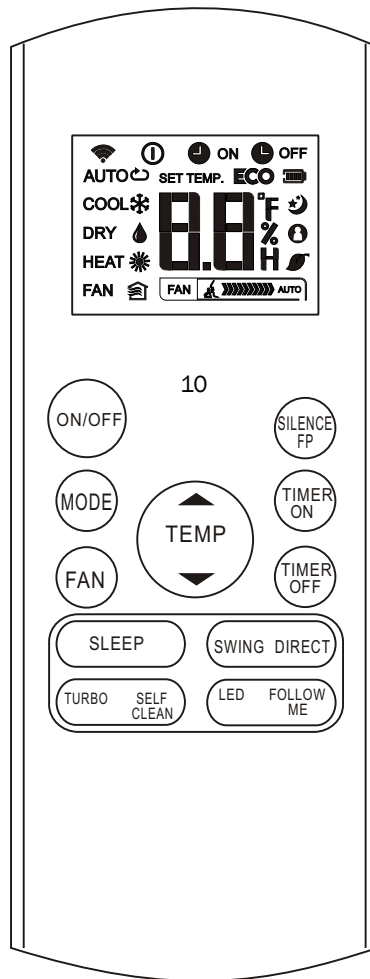
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**NOTE:**

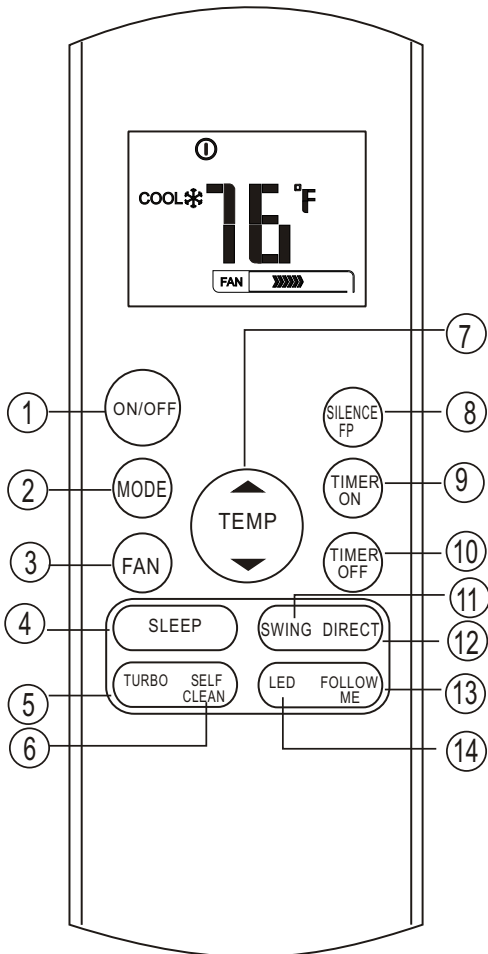
- Buttons design is based on typical model and might be slightly different from the actual one you purchased, the actual shape shall prevail.
- All the functions described are accomplished by the unit. If the unit does not have this feature, no corresponding operation will happen when pressing the relative button on the remote controller.
- When there are wide differences between “Remote controller illustration” and “USER’S MANUAL” on function description, the description of “USER’S MANUAL” shall prevail.

**Remote Controller Specifications**

Model	RG57A6/BGEFU1
Rated Voltage	3.0V(Dry batteries R03/LR03×2)
Signal Receiving Range	8m
Environment	23°F~140°F (-5°C~60°C)



## Operation of buttons

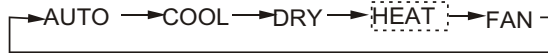


### 1 ON/OFF Button

This button turns the air conditioner ON and OFF.

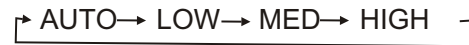
### 2 MODE Button

Press this button to modify the air conditioner mode in a sequence of following:



### FAN Button

3 Used to select the fan speed in four steps:



**NOTE:** You can not switch the fan speed in AUTO or DRY mode.

### 4 SLEEP Button

- Active/Disable sleep function. This will maintain the most comfortable temperature and save energy. This function is available on COOL, HEAT or AUTO mode only.
- For details, see “sleep operation” in “USER’S MANUAL.”

**NOTE:** While the unit is running under SLEEP mode, it will be cancelled if MODE, FAN SPEED or ON/OFF button is pressed.

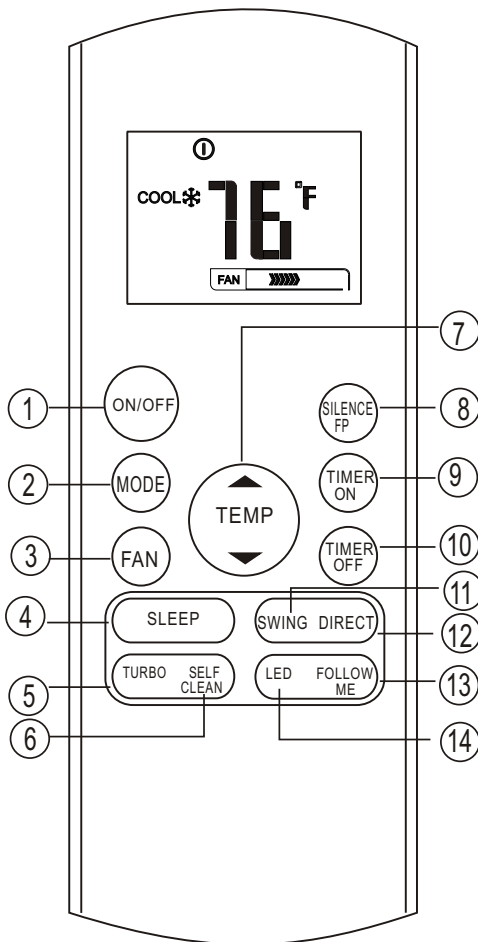
### 5 TURBO Button

Active/Disable Turbo function. Turbo function enables the unit to reach the preset temperature at cooling or heating operation in the shortest time(if the indoor unit does not support this function, there is no corresponding operation happened when pressing this button.)

### 6 SELF CLEAN Button

Active/Disable Self Clean function. Under SELF CLEAN mode, the air conditioner will automatically clean and dry the Evaporator and keep it fresh for the next operation.

## Operation of buttons



### 7 UP Button( ▲ )

Push this button to increase the indoor temperature setting in 1°F increments to 86°F.

### DOWN Button( ▼ )

Push this button to decrease the indoor temperature setting in 1°F increments to 62°F.

**NOTE:** Temperature control is not available in Fan mode.

**NOTE:** Press and hold **UP** and **DOWN** buttons together for 3 seconds to alternate the temperature display between the °C & °F scale.

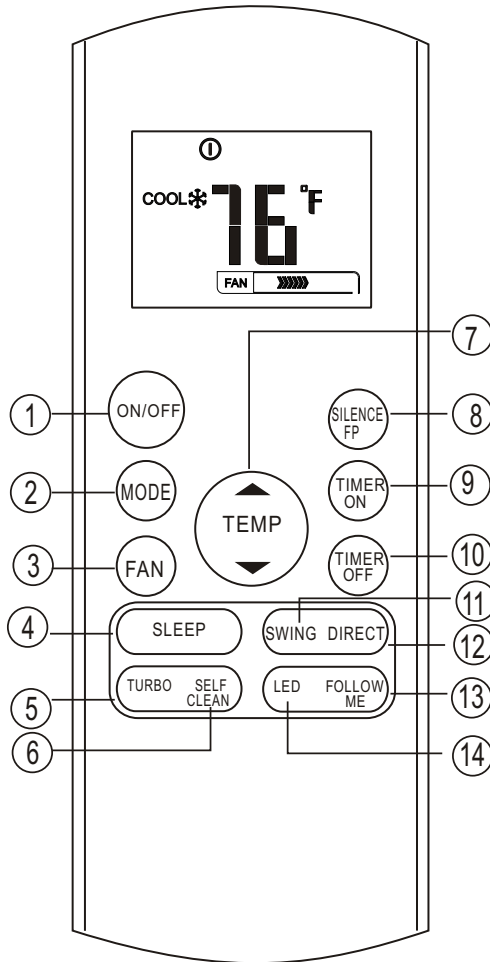
### 8 SILENCE/FP Button

- Active/Disable SILENCE function. If pushing more than 2 seconds, the 'FP' function will be activated, push more than 2 seconds again to disable.
- 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 environment. Due to low frequency operation of compressor, it may result in insufficient cooling and heating capacity.
- The 'FP' function can only be activated during the heating operation mode. The unit will operate at a setting temperature of 46°F. The display window of indoor unit will display 'FP'. Pressing the button of ON/OFF, SLEEP, FP, MODE, FAN SPEED, UP or DOWN while operating will cancel the 'FP' function.

### 9 TIMER ON Button

Press this button to initiate the auto-on time sequence. Each press will increase the auto-timed setting by 30 minutes increments. When the setting time displays 10.0, each press will increase the auto-timed setting 60 minutes increments. To cancel the auto-timed program, simply adjust the auto-on time to 0.0.

## Operation of buttons



**10 TIMER OFF Button**  
 Press this button to initiate the auto-off time sequence. Each press will increase the auto-timed setting in 30 minute increments. When the setting time displays 10.0, each press will increase the auto-timed setting 60 minutes increments. To cancel the auto-timed program, simply adjust the auto-off time to 0.0

**11 SWING Button**  
 Used to stop or start horizontal louver auto swing feature.

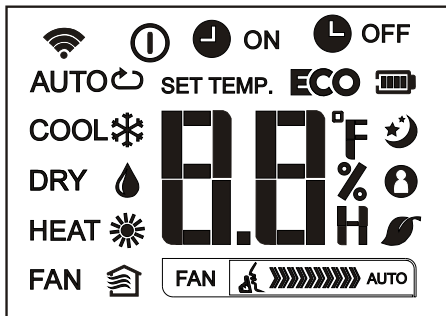
**12 DIRECT Button**  
 Used to change the louver movement and set the desired up/down air flow direction. The louver changes 6° in angle for each press.

**13 FOLLOW ME Button**  
 Push this button to initiate the Follow Me feature, the remote display is actual temperature at its location. The remote control will send this signal to the air conditioner every 3 minutes interval until press the Follow Me button again. The air conditioner will cancel the Follow Me feature automatically if it does not receive the signal during any 7 minutes interval.

**14 LED Button**  
 Disable/Active indoor screen Display. When pushing the button, the indoor screen display is cleared, press it again to light the display.

**Indicators on LCD**

Information are displayed when the remote controller is powered up.



**Mode display**

AUTO COOL DRY   
HEAT FAN

- Displayed when data transmitted.
- Displayed when remote controller is ON.
- Battery display(low battery detection)
- ECO** Not available for this unit
- ON Displayed when TIMER ON time is set.
- OFF Displayed when TIMER OFF time is set.
- Shows set temperature or room temperature, or time under TIMER setting.

- Displayed in Sleep Mode operation.
- Indicates that the air conditioner is operating in Follow me mode
- Not available for this unit
- Not available for this unit

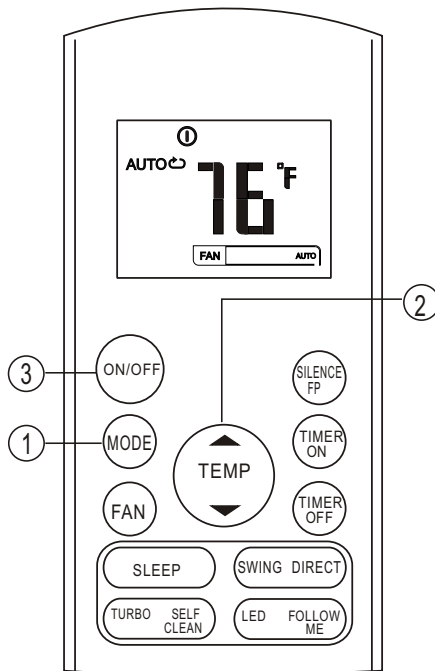
**Fan speed indication**

- FAN Low speed
- FAN Medium speed
- FAN High speed
- FAN Auto fan speed

**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.*

## How to use the buttons



### Auto operation

Ensure the unit is plugged in and power is available. The OPERATION indicator on the display panel of the indoor unit starts flashing.

1. Press the **MODE** button to select Auto.
2. Press the **UP/DOWN** button to set the desired temperature. The temperature can be set within a range of 62°F~ 86°F in 1°F increments.
3. Press the **ON/OFF** button to start the air conditioner.

### NOTE

1. In the Auto mode, the air conditioner will logically choose Cooling, Fan, or Heating by sensing the difference between the actual ambient room temperature and the set temperature on the remote controller.
2. In the Auto mode, you can not switch the fan speed. It is automatically controlled.
3. If the Auto mode is not comfortable for you, the desired mode can be selected manually.

### Cooling /Heating/Fan operation

Ensure the unit is turned on and power is available.

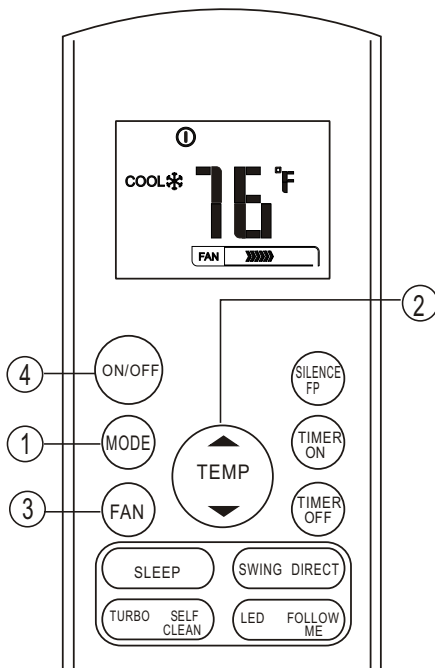
1. Press the **MODE** button to select COOL, HEAT or FAN mode.
2. Press the **UP/DOWN** buttons to set the

desired temperature. The temperature can be set within a range of 62°F~ 86°F in 1°F increments.

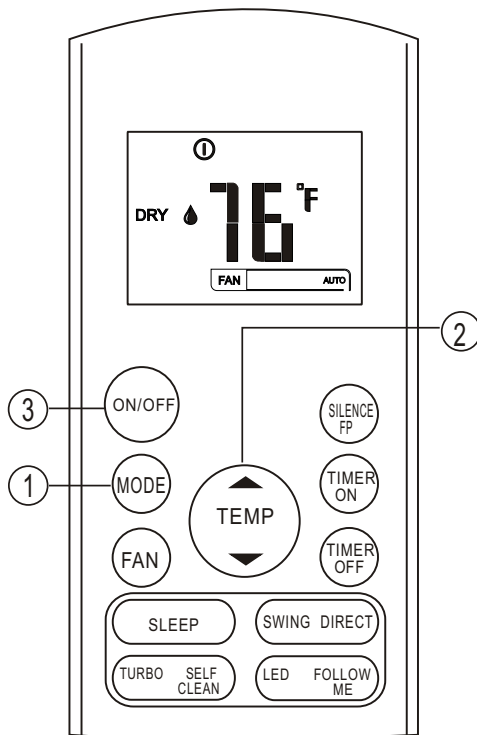
3. Press the **FAN** button to select the fan speed in four steps- Auto, Low, Med, or High.
4. Press the **ON/OFF** button to start the air conditioner.

### NOTE

In the FAN mode, the setting temperature is not displayed in the remote controller and you are not able to control the room temperature either. In this case, only step 1, 3 and 4 may be performed.



### How to use the buttons



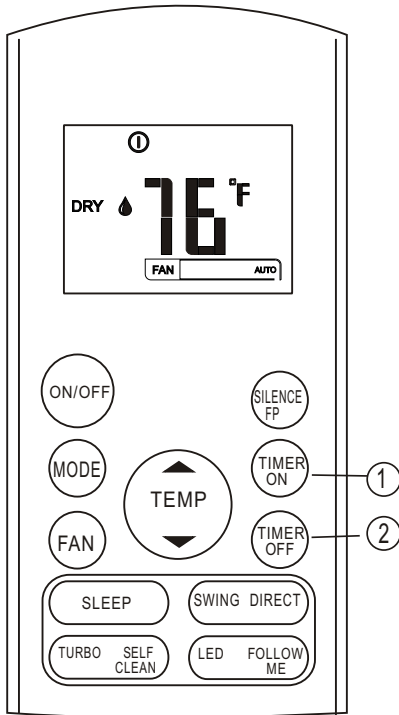
### Dehumidifying operation

Ensure the unit is plugged in and power is available. The OPERATION indicator on the display panel of the indoor unit will start flashing.

1. Press the **MODE** button to select DRY mode.
2. Press the **UP/DOWN** buttons to set the desired temperature. The temperature can be set within a range of 62°F~ 86°F in 1°F increments.
3. Press the **ON/OFF** button to start the air conditioner.

### NOTE

*In the Dehumidifying mode, you can not switch the fan speed. It is automatically controlled.*



### **Timer operation**

Pressing the TIMER ON button will set the auto-on time of the unit. Press the TIMER OFF button to set the auto-off time of the unit.

#### **To set the Auto-on time.**

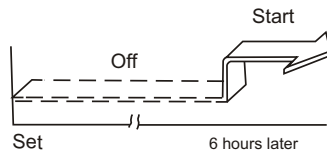
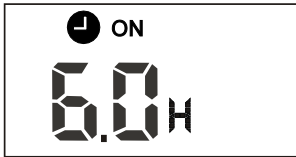
1. Press the TIMER ON button. The remote controller shows TIMER ON, the last Auto-on setting time and the signal "H" will be shown on the LCD display area. Now it is ready to reset the Auto-on time to START the operation.
2. Push the TIMER ON button again to set desired Auto-on time. Each time you press the button, the time increases by half an hour between 0 and 10 hours and by one hour between 10 and 24 hours.
3. After setting the TIMER ON, there will be a one second delay before the remote controller transmits the signal to the air conditioner. Then, after approximately another 2 seconds, the signal "h" will disappear and the set temperature will re-appear on the LCD display window.

#### **To set the Auto-off time.**

1. Press the TIMER OFF button. The remote controller shows TIMER OFF, the last Auto-off setting time and the signal "H" will be shown on the LCD display area. Now it is ready to reset the Auto-off time to stop the operation.
2. Push the TIMER OFF button again to set desired Auto-off time. Each time you press the button, the time increases by half an hour between 0 and 10 hours and by one hour between 10 and 24 hours.
3. After setting the TIMER OFF, there will be a one second delay before the remote controller transmits the signal to the air conditioner. Then, after approximately another 2 seconds, the signal "H" will disappear and the set temperature will re-appear on the LCD display window.

**▲ 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 controller in a location where it can transmit the signal to the indoor unit properly.
- The effective operation time set by the remote controller for the timer function is limited to the following settings: 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23 and 24.

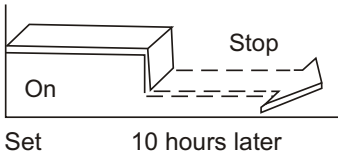
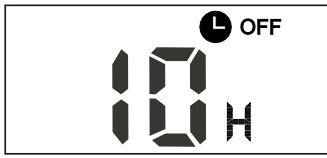
**Example of timer setting****TIMER ON  
(Auto-on Operation)**

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

**Example:**

To start the air conditioner in 6 hours.

1. Press the TIMER ON button, the last setting of starting operation time and the signal "H" will show on the display area.
2. Press the TIMER ON button to display "6.0H" on the TIMER ON display of the remote controller.
3. Wait for 3 seconds and the digital display area will show the temperature again. The "TIMER ON" indicator remains on and this function is activated.



## TIMER OFF (Auto-off Operation)

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

### Example:

To stop the air conditioner in 10 hours.

1. Press the TIMER OFF button, the last setting of stopping operation time and the signal "H" will show on the display area.
2. Press the TIMER OFF button to display "10H" on the TIMER OFF display of the remote controller.
3. Wait for 3 seconds and the digital display area will show the temperature again. The "TIMER OFF" indicator remains on and this function is activated.

## COMBINED TIMER

(Setting both ON and OFF timers simultaneously)

TIMER OFF → TIMER ON

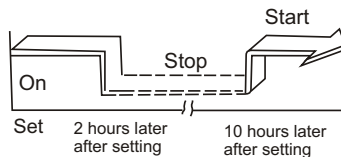
(On → Stop → Start operation)

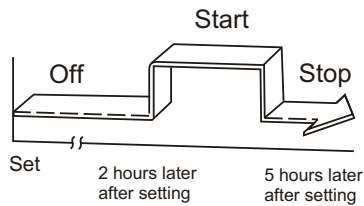
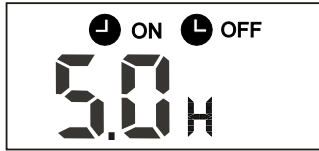
This feature is useful when you want to stop the air conditioner after you go to bed, and start it again in the morning when you wake up or when you return home.

### Example:

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

1. Press the TIMER OFF button.
2. Press the TIMER OFF button again to display 2.0H on the TIMER OFF display.
3. Press the TIMER ON button.
4. Press the TIMER ON button again to display 10H on the TIMER ON display .
5. Wait for 3 seconds and the digital display area will show the temperature again. The "TIMER ON OFF" indicator remains on and this function is activated.





#### TIMER ON → TIMER OFF

(Off → Start → Stop operation)

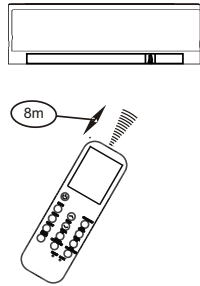
This feature is useful when you want to start the air conditioner before you wake up and stop it after you leave the house.

#### **Example:**

To start the air conditioner 2 hours after setting, and stop it 5 hours after setting.

1. Press the TIMER ON button.
2. Press the TIMER ON button again to display 2.0H on the TIMER ON display.
3. Press the TIMER OFF button.
4. Press the TIMER OFF button again to display 5.0H on the TIMER OFF display .
5. Wait for 3 seconds and the digital display area will show the temperature again. The "TIMER ON & TIMER OFF" indicator remains on and this function is activated.

### Handling the remote controller

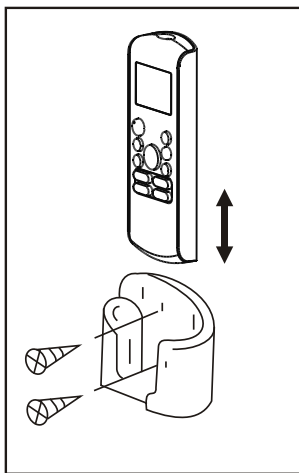


### Location of the remote controller.

- Use the remote controller within a distance of 25 ft. from the appliance, pointing it towards the receiver. Reception is confirmed by a beep.

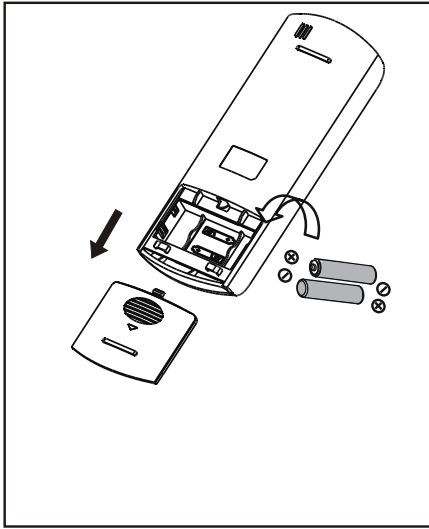
#### ⚠ CAUTIONS

- 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.



### Using the remote controller holder(optional)

- The remote controller can be attached to a wall or pillar by using a remote controller holder(not supplied, purchased separately).
- Before installing the remote controller, check that the air conditioner receives the signals properly.
- Install the remote controller with two screws.
- For installing or removing the remote controller, move it up or down in the holder.



### Replacing batteries

The following cases signify exhausted batteries. Replace old batteries with new ones.

- Receiving beep is not emitted when a signal is transmitted.
- Indicator fades away.

The remote controller is powered by two AAA batteries housed in the lower rear and protected by a cover.

- (1) Remove the cover on the rear part of the remote controller.
- (2) Remove the old batteries and insert the new batteries, placing the (+) and (-) ends correctly.
- (3) Reinstall the cover.

**NOTE:** When the batteries are removed, the remote controller erases all programming. After inserting new batteries, the remote controller must be reprogrammed.

### ▲ CAUTIONS

- Do not mix old and new batteries or batteries of different types.
- Do not leave the batteries in the remote controller if they are not going to be used for 2 or 3 months.
- Do not dispose of batteries as unsorted municipal waste. Collection of such waste separately for special treatment is advised.

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Due to ongoing product improvements, specifications and dimensions are subject to change and correction without notice or incurring obligations. Determining the application and suitability for use of any product is the responsibility of the installer. Additionally, the installer is responsible for verifying dimensional data on the actual product prior to beginning any installation preparations.

Incentive and rebate programs have precise requirements as to product performance and certification. All products meet applicable regulations in effect on date of manufacture; however, certifications are not necessarily granted for the life of a product. Therefore, it is the responsibility of the applicant to determine whether a specific model qualifies for these incentive/rebate programs.



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