



BOSCH

User Manual

Remote Controller Climate 5000 Series

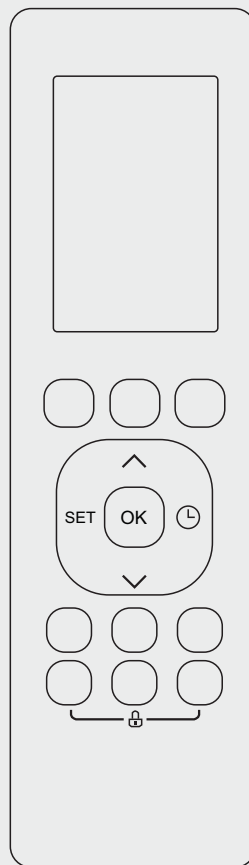


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1 Key to Symbols and Safety Instructions

1.1 Key to Symbols

Warnings



Warnings in this document are identified by a warning triangle printed against a grey background. Keywords at the start of a warning indicate the type and seriousness of the ensuing risk if measures to prevent the risk are not taken.

The following keywords are defined and can be used in this document:

- **DANGER** indicates a hazardous situation which, if not avoided, will result in death or serious injury.
- **WARNING** indicates a hazardous situation which, if not avoided, could result in death or serious injury.
- **CAUTION** indicates a hazardous situation which, if not avoided, could result in minor to moderate injury.
- **NOTICE** is used to address practices not related to personal injury.

Important information



This symbol indicates important information where there is no risk to people or property.

1.2 Safety



Buttons design is based on typical model and might be slightly different from the actual one you purchased, the actual shape shall prevail.



WARNING:

- This product can expose you to chemicals including Lead and Lead components, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



WARNING: FCC STATEMENT

- The device could comply with the local national regulations. In Canada, it should comply with CAN ICES-3(B)/NMB-3(B). In USA, this device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help. Changes or modifications not approved by the party responsible for compliance could void user's authority to operate the equipment.

2 Remote Controller Specifications

Remote for Wall Mounted Unit	
Model	RG10L1(D2HS)
Rated Voltage	3.0 V (Alkaline AAA x2)
Transmission Distance	Up to 25 ft
Environment	23°F~140°F
Remote for 2x2 Cassette	
Model	RG10B(D1)
Rated Voltage	3.0 V (Alkaline AAA x2)
Transmission Distance	Up to 25 ft
Environment	23°F~140°F
Remote for 3x3 Cassette	
Model	RG10N2(D2S)
Rated Voltage	3.0 V (Alkaline AAA x2)
Transmission Distance	Up to 25 ft
Environment	23°F~140°F

Table 1

3 Wall Mounted Unit Remote Controller

3.1 Operation of Buttons

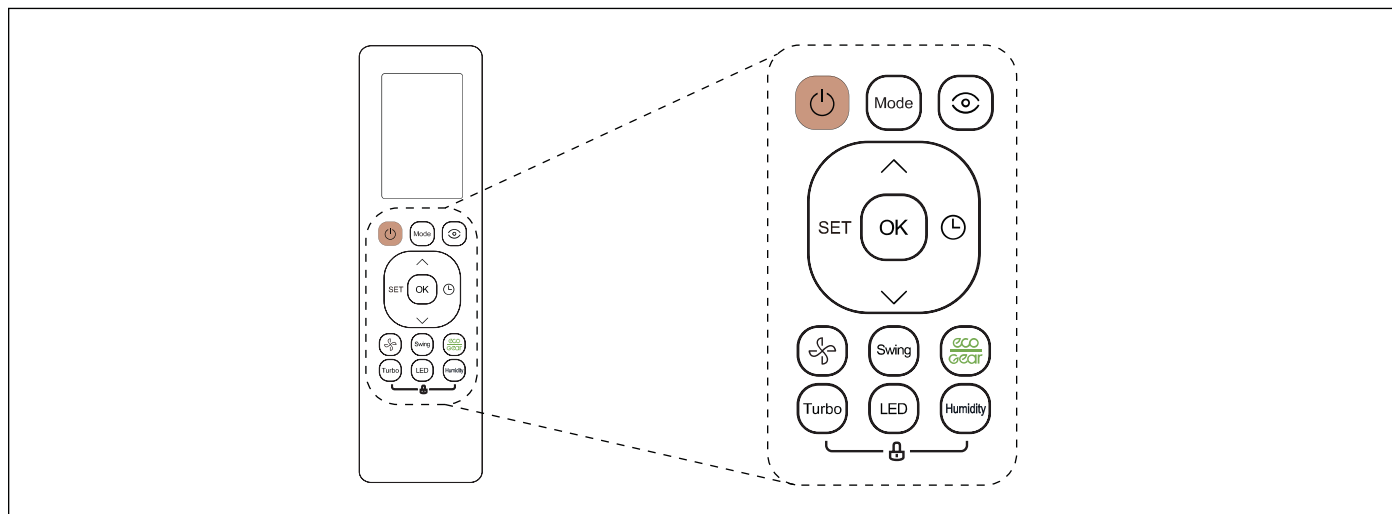


Figure 1








Button	Description	Function
	Power Button	Press this button to turn the air conditioner ON or OFF.
	MODE Button:	Press this button to select the air conditioner / heat pump's mode of operation. AUTO --> COOL --> DRY --> HEAT --> FAN
	Eco Intelligent Eye Button	Press to activate the Intelligent Eye feature, which detects people's activity in the room to save energy. <ul style="list-style-type: none"> — In COOL mode, this function automatically lowers the compressor frequency to save energy after 30 minutes of no activity. — The unit will automatically resume operation once it senses activity again
	Temperature Control	UP Button(^): Push this button to increase the indoor temperature setting in 1°F increments , limited to 86°F. DOWN Button(v): Push this button to decrease the indoor temperature setting in 1°F increments, limited to 60°F. Press and hold the UP (^) and DOWN (v) buttons together for 3 seconds to alternate the temperature display between the °C & °F scales. NOTE: Temperature control is not available in Fan mode.
	SET Button	Press this button to scroll through functions as follows: Breeze Away --> Active Clean --> Fresh --> Sleep --> Follow Me --> AP Mode... The selected symbol will flash on the screen. Press the OK button to Confirm For more information on the Set function, refer to section 3.4 NOTE: Fresh and AP mode are not available for this system
	OK Button	Press this button to confirm selection functions.
	TIMER Button	Press this button to initiate the auto-on 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 in 60 minutes increments. To cancel the auto-timed program, simply adjust the auto-on time to 0.0.

Table 2

Operation of Buttons Continued

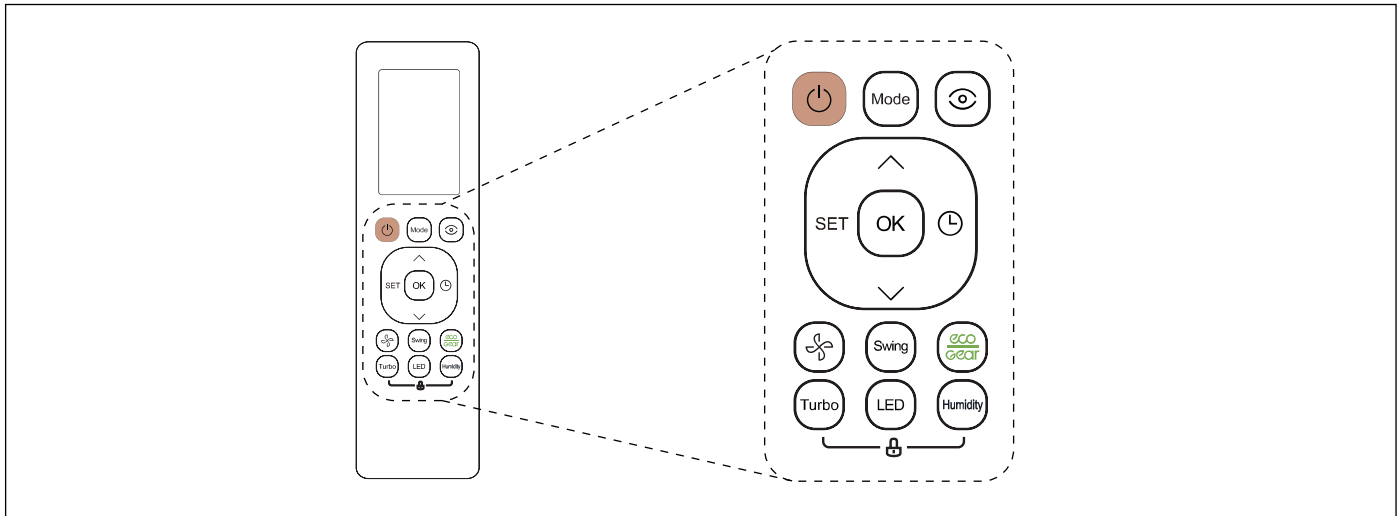


Figure 2







Button	Description	Function
	FAN Button	<p>Press this button to select the fan speed as follows: AUTO --> SILENT (1%-20%) --> LOW (21%-40%) --> MED (41%-60%) --> HIGH (61%-100%)</p> <p>Press the TEMP Up (^) or Down (v) button to increase/decrease the fan speed in 1% increments. NOTE: You can not switch the fan speed in AUTO or DRY mode</p>
	SWING Button	<p>Press this button to activate/disable the horizontal louver auto SWING feature. The auto SWING feature will rotate the louver up and down, blowing air into the room in a continuously moving up/down motion. NOTE: Hold down for 2 seconds to activate the vertical louver auto swing feature.</p>
	ECO/GEAR Button	<p>Press this button to enter the energy efficient mode in the following sequence: ECO --> GEAR(75%) --> GEAR(50%) --> Previous setting mode --> ECO</p> <ul style="list-style-type: none"> While in COOL mode, press this button and the system will automatically be set to 24 °C/75 °F on Auto fan speed to save energy (only when the set temperature is less than 24 °C/75 °F). If the set temperature is above 24 °C/75 °F, the fan speed will change to Auto, the set temperature will remain unchanged Pressing the ECO button, changing the mode or adjusting the set temperature to less than 24 °C/75 °F will stop ECO operation.
	TURBO Button	<p>Press this button to Activate/Disable the TURBO function. TURBO function enables the unit to reach the preset temperature at cooling or heating operation in the shortest time possible. The fan will run at a speed above HIGH.</p>
	LED Button	<p>Press this button to Activate/Disable the indoor unit screen display. Press this button to light the display or clear the display.</p>
	HUMIDITY Button	<p>While in DRY mode, press this button to adjust the humidity setting between 35% and 85%. The humidity setting will change in 5% increments. After setting the room humidity, it will display on the screen. NOTE: Humidity level may not be able to adjust in all configurations.</p>

Table 3

3.2 Indicators on LCD

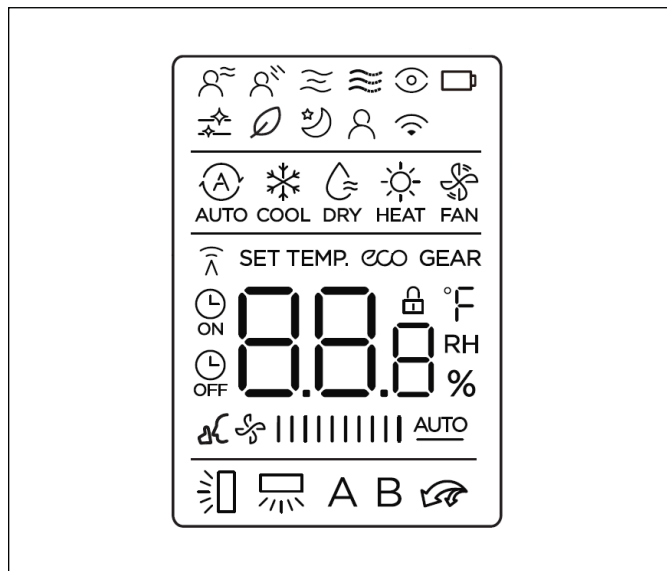


Figure 3

Icon	Description	Icon	Description
	AUTO Mode		Displayed when BREEZE AWAY function is active
	COOL Mode		Not applicable for this unit
	DRY Mode		Displayed when ACTIVE CLEAN function is active
	HEAT Mode		Displayed when SILENT function is active
	FAN Mode		Silent fan operation = 1% = 2% - 20%
	Displayed when data transmitted		Low fan speed 21% - 40%
	Displayed when the system is locked		Medium fan speed 41% - 60%
	Battery display		High fan speed = 61% - 80% = 81% - 100%
	Displayed when ECO function is active		Auto fan speed
	Displayed when TIMER ON time is set		Not applicable for this unit.
	Displayed when TIMER OFF time is set		Not applicable for this unit.
GEAR	Displayed when GEAR function is active		Not Applicable for this unit
	Displayed when horizontal SWING mode is activated	<div> <p>All indicators are shown in the figure, but during actual operation only the relative functional signs are shown on the display window.</p> </div>	
	Displayed when vertical SWING mode is activated		
	Set temperature, room temperature, or time depending on current mode and function.		
	Displayed when SLEEP function is active.		
	Displayed when TURBO function is active		
	Displayed when INTELLIGENT EYE is active		
	Displayed when FOLLOW ME function is active.		

Table 4

3.3 Basic Operation

3.3.1 Auto operation

Ensure the unit is plugged in and power is available. The OPERATION indicator on the display panel of the indoor unit will be 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 Power/OK button to start the air conditioner.

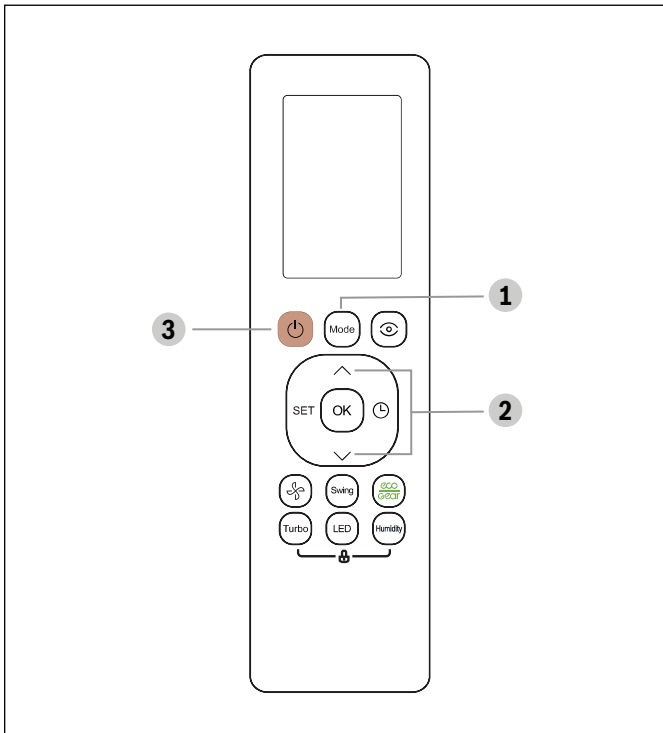


Figure 4

- i**

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

3.3.2 Cooling /Heating/Fan operation

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

1. Press the MODE button to select COOL, HEAT, or FAN mode.
2. Press the UP/DOWN buttons to set the desired temperature. In COOL or HEAT mode, the temperature can be set within a range of 60°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 Power/OK button to start the air conditioner.

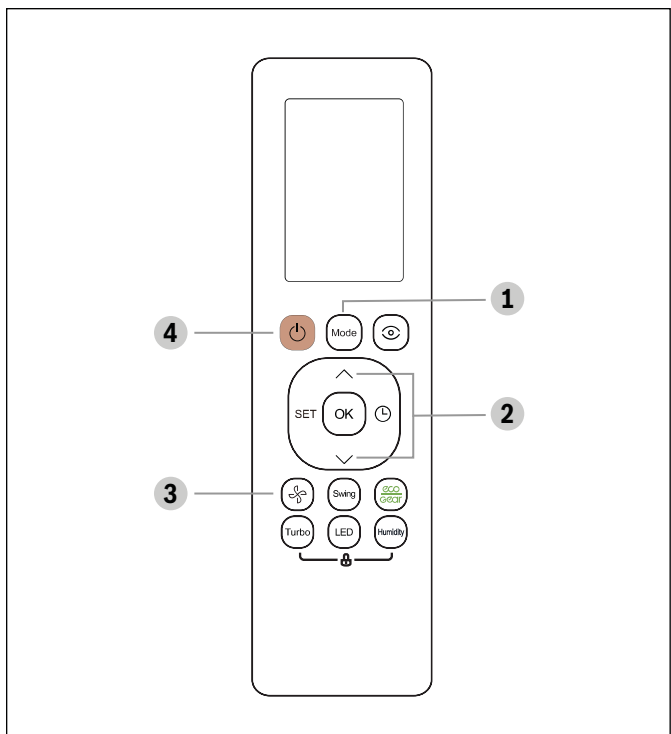


Figure 5

- i**

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

3.3.3 Dry Mode (For Dehumidification)

Ensure the unit is plugged in and power is available. The OPERATION indicator on the display panel of the indoor unit will be 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 60°F ~ 86°F in 1°F increments.
3. Press the Power/OK button to start the air conditioner.

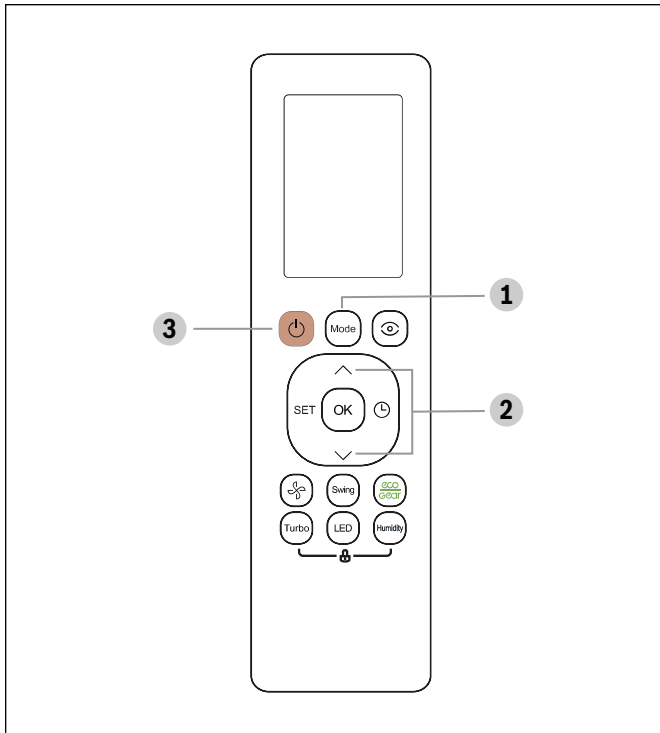


Figure 6

i In the DRY mode, you can not switch the fan speed. The fan speed will be automatically controlled.

i While in Dry Mode, the unit will not shut down when it reaches the set temperature. The unit will continue to run until it reaches 50 °F.

3.3.4 Timer operation

Press the TIMER ON/OFF button to set the amount of time before the unit automatically turns on/off. Press the TIMER OFF button to set the auto-off time of the unit.

To set the Auto-on time.

1. Press the TIMER button. The remote controller shows TIMER ON, and the last Auto-on setting time will be shown on the LCD display area. Now it is ready to reset the Auto-on time. This feature will turn the unit on after the specified time.
2. Use the TEMP. UP and DOWN buttons to select the desired Auto-on time. Each time you press the button, the time changes 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 time will disappear and the set temperature will re-appear on the LCD display window.

To set the Auto-off time.

4. Press the TIMER button. The remote controller shows TIMER OFF, and the last Auto-off setting time will be shown on the LCD display area. Now it is ready to reset the Auto-off time. This feature will turn the unit off after the specified time.
5. Use the TEMP. UP and DOWN buttons to select the desired Auto-off time. Each time you press the button, the time changes by half an hour between 0 and 10 hours and by one hour between 10 and 24 hours.
6. 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 time will disappear and the set temperature will re-appear on the LCD display window.

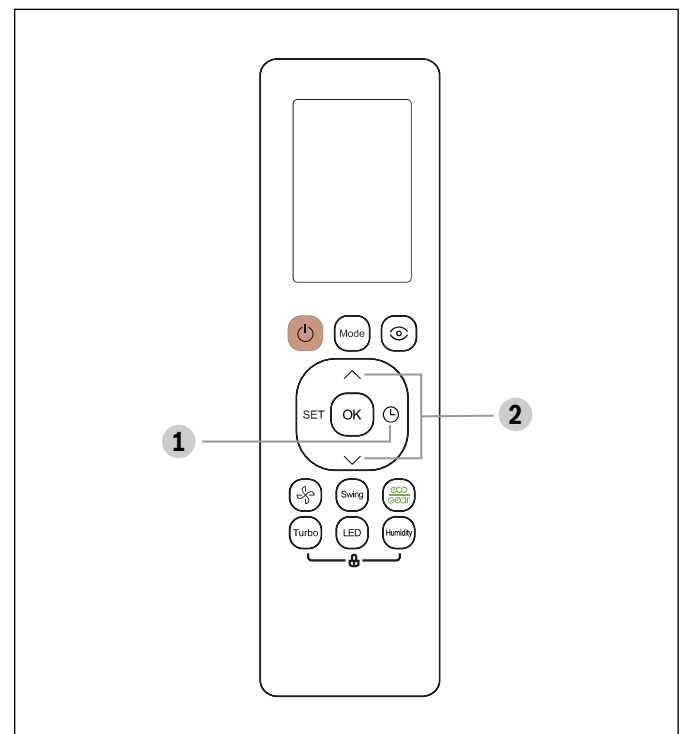


Figure 7

NOTICE:

- ▶ 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. These represent the number of hours for which the unit will wait to turn on or off.

Examples 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 2.5 hours.

1. Press the TIMER button, the last setting of starting operation time will show on the display area.
2. Press the TEMP. UP button to display "2.5H" 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 when this function is active.

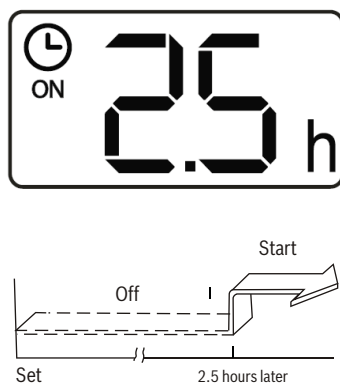


Figure 8

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 5 hours.

1. Press the TIMER button, the last setting of stopping operation time will show on the display area.
2. Press the TEMP UP/DOWN button to display "5.0H" 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 when this function is active.

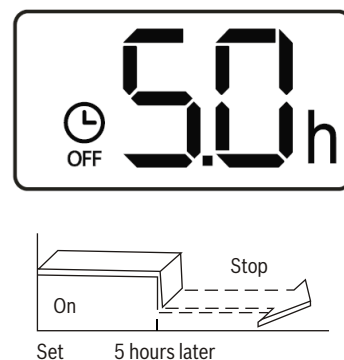


Figure 9



If you set both TIMER ON and TIMER OFF, the timers will activate from the time they were set.

3.4 Advanced Settings

3.4.1 SET

1. Press the SET button
2. Use the TEMP UP/DOWN or the SET button to select the desired function
3. Press the OK button to confirm

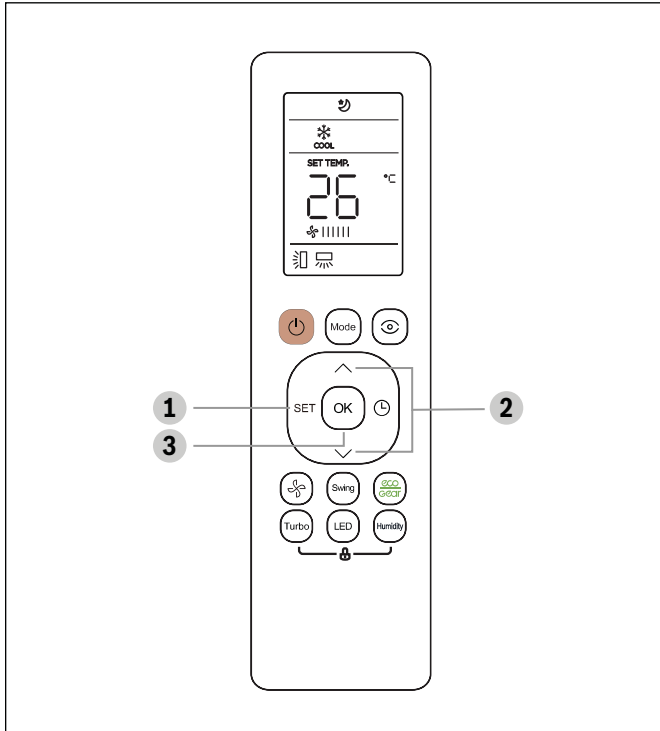






Figure 10

The SET functions are as follows:

- **BREEZE AWAY** (): Redirects airflow to avoid blowing directly on a person
- **ACTIVE CLEAN** (): This function automatically cleans the heat exchanger by freezing and thawing the surface.
- **SLEEP** (): This feature reduces energy usage while you sleep.



SLEEP mode is not available in FAN, and DRY mode.

- **FOLLOW ME** (): In this mode, the ambient temperature will be measured from the remote controller instead of the indoor unit itself, and adjust the system accordingly for maximum comfort.

3.4.2 Intelligent Eye

1. Press the Eco Intelligent Eye button and the system will enter a mode which uses the indoor unit's built in infrared sensor to detect motion in the room. After 30 minutes inactivity, the system automatically lowers the compressor frequency saving energy. The system will resume normal function once motion is sensed again.

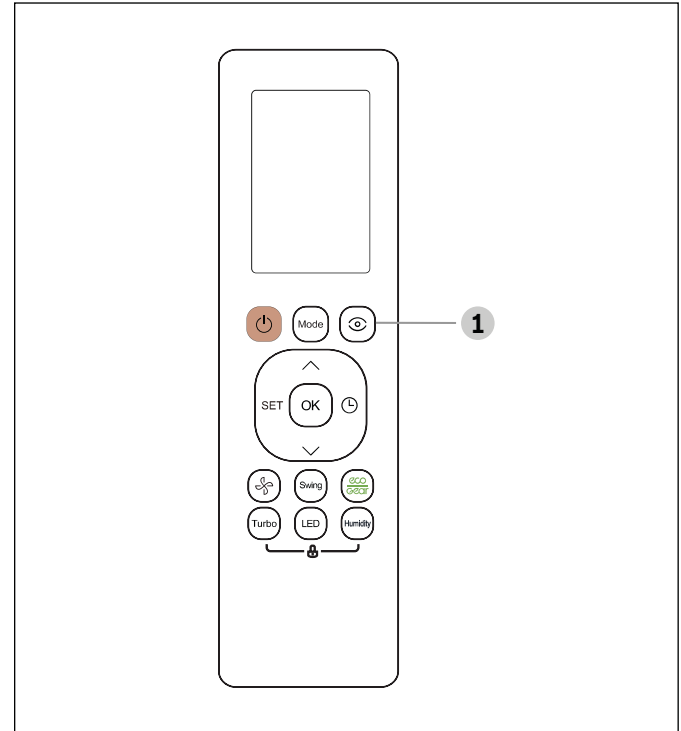


Figure 11



Intelligent Eye is only available for Single Zone systems.



The Intelligent Eye feature may not be available for all systems.

3.4.3 SWING

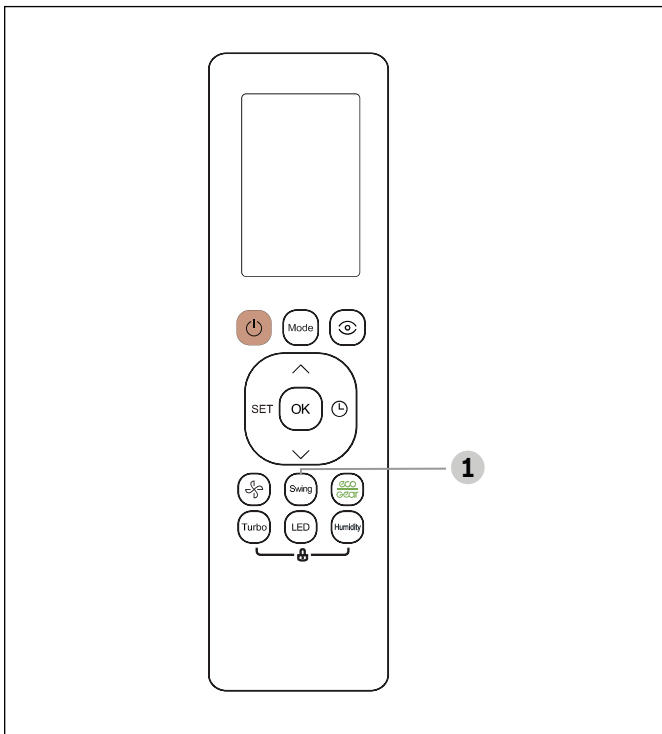


Figure 12

1. Press the SWING button, and the horizontal louvers in the indoor unit will oscillate up and down.

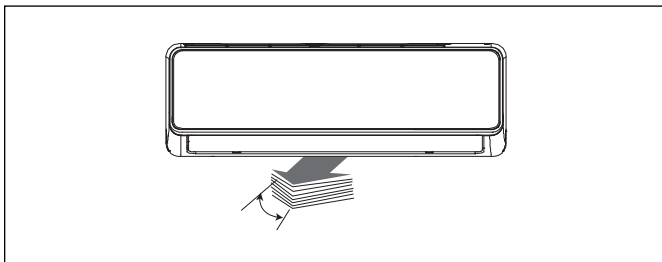


Figure 13

2. Press and hold the SWING button for more than 2 seconds and the vertical louvers will oscillate horizontally.

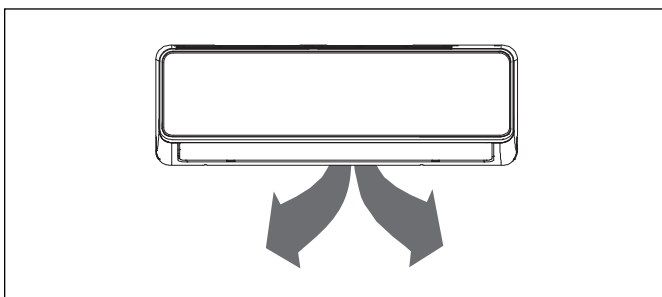


Figure 14

3. Press the button again to stop the louvers in the current air flow direction. Continue to press the SWING button until the desired airflow direction is reached. There are 5 different directions available.

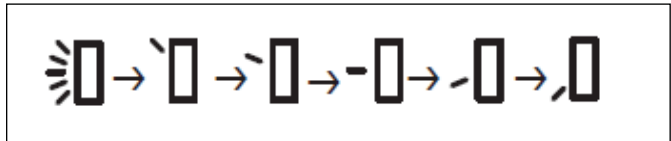


Figure 15

3.4.4 ECO/GEAR

1. Gear mode lowers the maximum frequency of the compressor, reducing energy usage. Press the ECO/GEAR button to access Gear mode through the following sequence:

ECO --> GEAR 75% --> GEAR 50% --> Previous System Mode



This function is only available under COOL mode.
GEAR feature may not be available on all systems.

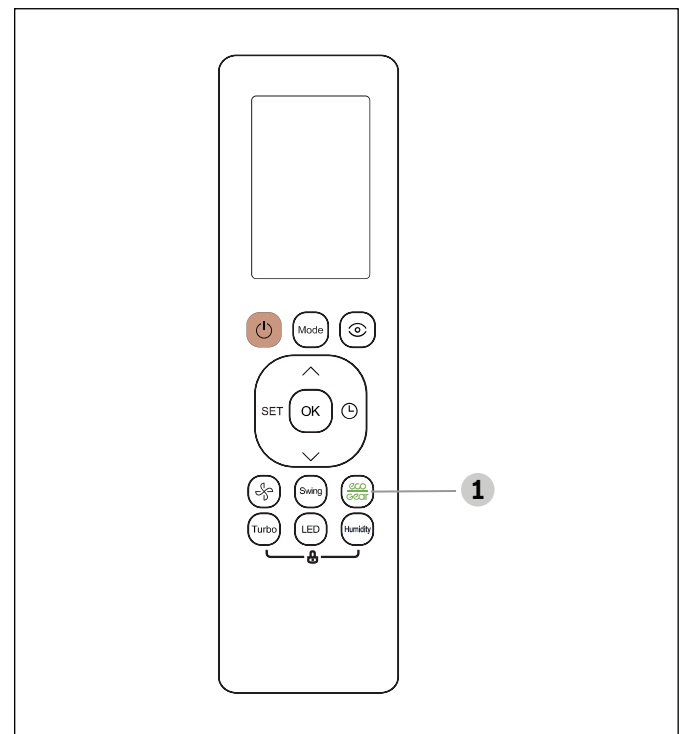


Figure 16

ECO operation: Under cooling mode, press this button, the remote controller will adjust the temperature automatically to 24 C/75 F, fan speed of Auto to save energy (only when the set temperature is less than 24 C/75 F). If the set temperature is above 24 C/75 F, press the ECO button, the fan speed will change to Auto, the set temperature will remain unchanged.



Pressing the ECO button, modifying the mode or adjusting the set temperature to less than 24 C/75 F will stop ECO operation.

GEAR operation: Press the ECO/GEAR button to enter the GEAR operation as following: 75%(up to 75% electrical energy consumption) --> 50%(up to 50% electrical energy consumption) --> Previous setting mode. Under GEAR operation, the display on the remote controller will alternate between electrical energy consumption and set temperature.

3.4.5 SILENT

1. Hold the FAN button down for 2 seconds to activate/disable Silent mode.

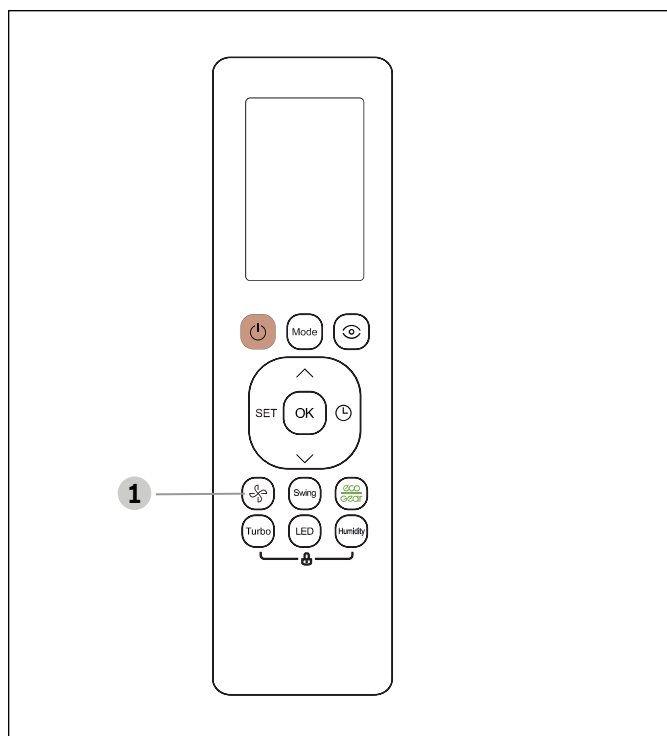


Figure 17



Due to low frequency operation of compressor, it may result in insufficient cooling and heating capacity. Press Power, Mode, Sleep, Turbo or Clean button to cancel silence function.

3.4.6 FP (Freeze Protection)

This mode is used to prevent pipe damage in colder climates. It automatically sets the fan speed to high and temperature to 46F/8C.

1. While in HEAT mode, set the system temperature to 60F/16C.
2. Quickly press the TEMP DOWN button twice.

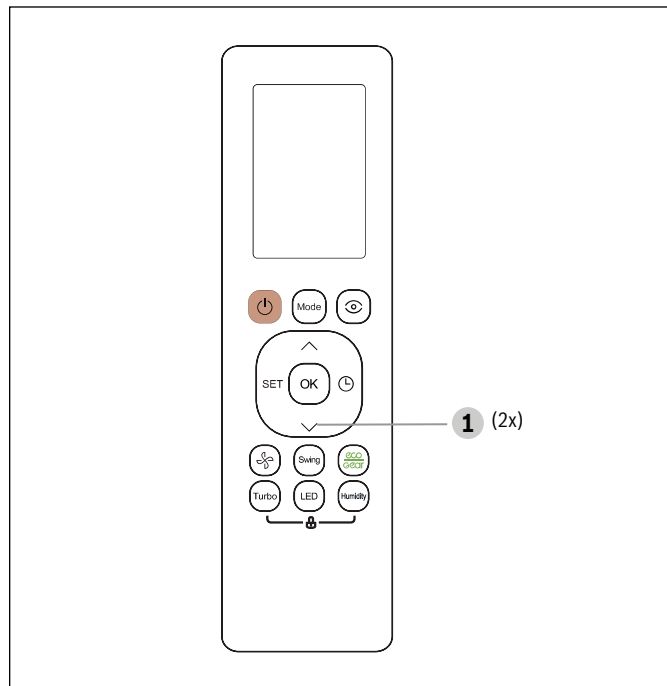


Figure 18

3.4.7 LOCK

1. Press and hold the TURBO and HUMIDITY buttons together for 5 seconds to lock/unlock the remote.

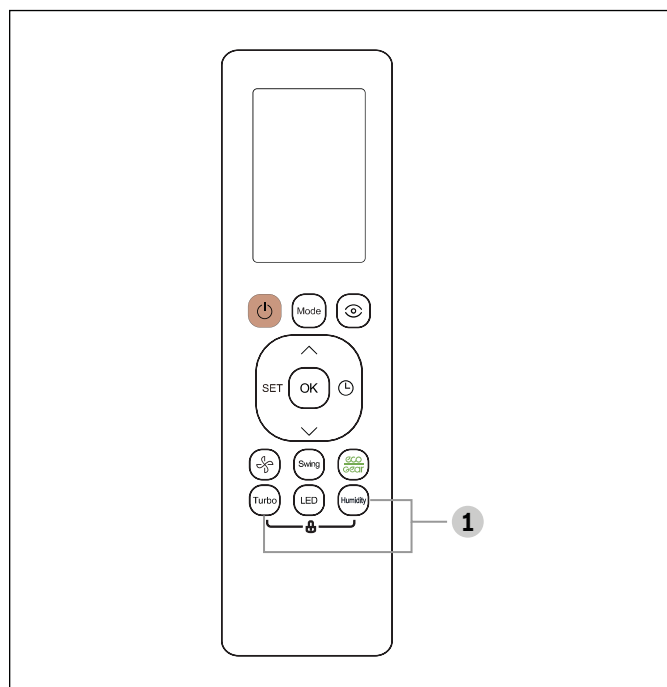


Figure 19

4 2 x 2 Cassette Unit Remote Controller

4.1 Operation of Buttons

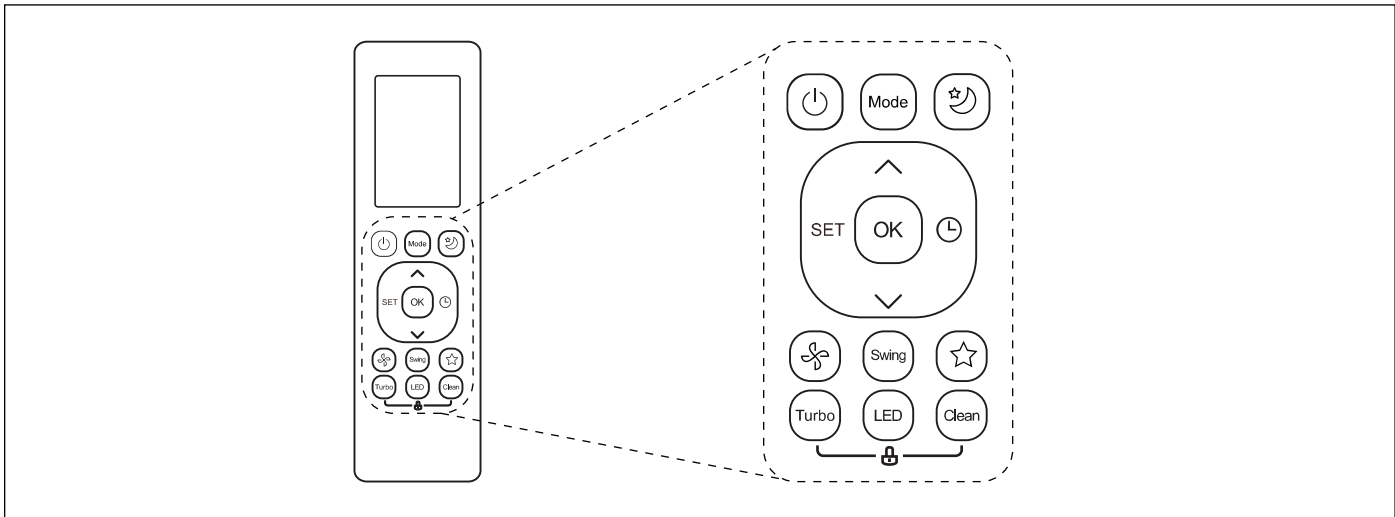


Figure 20








Button	Description	Function
	Power Button	Press this button to turn the air conditioner ON or OFF.
	MODE Button	Press this button to select the air conditioner / heat pump's mode of operation. AUTO --> COOL --> DRY --> HEAT --> FAN
	SLEEP Button	Press this button to Activate/Disable the SLEEP function. <ul style="list-style-type: none"> The SLEEP function can maintain the most comfortable temperature while saving energy. This function is available in COOL, HEAT or AUTO modes only. For more information on the SLEEP function operation, please reference the unit's USER MANUAL. NOTE: While the unit is running in SLEEP mode, it will be cancelled if the MODE, FAN SPEED or Power button is pressed.
	Temperature Control	UP Button(^): Push this button to increase the indoor temperature setting in 1°F increments , limited to 86°F. DOWN Button(v): Push this button to decrease the indoor temperature setting in 1°F increments, limited to 62°F. Press and hold the UP (^) and DOWN (v) buttons together for 3 seconds to alternate the temperature display between the °C & °F scales. NOTE: Temperature control is not available in Fan mode.
	SET Button	Press this button to scroll through functions as follows: Fresh --> Follow Me --> AP Mode... The selected symbol will flash on the screen. Press the OK button to Confirm For more information on the Set function, refer to section 3.4 NOTE: Fresh and AP mode are not available for this system
	OK Button	Press this button to confirm selection functions.
	TIMER Button	Press this button to initiate the auto-on 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 in 60 minutes increments. To cancel the auto-timed program, simply adjust the auto-on time to 0.0.

Table 5

Operation of Buttons Continued

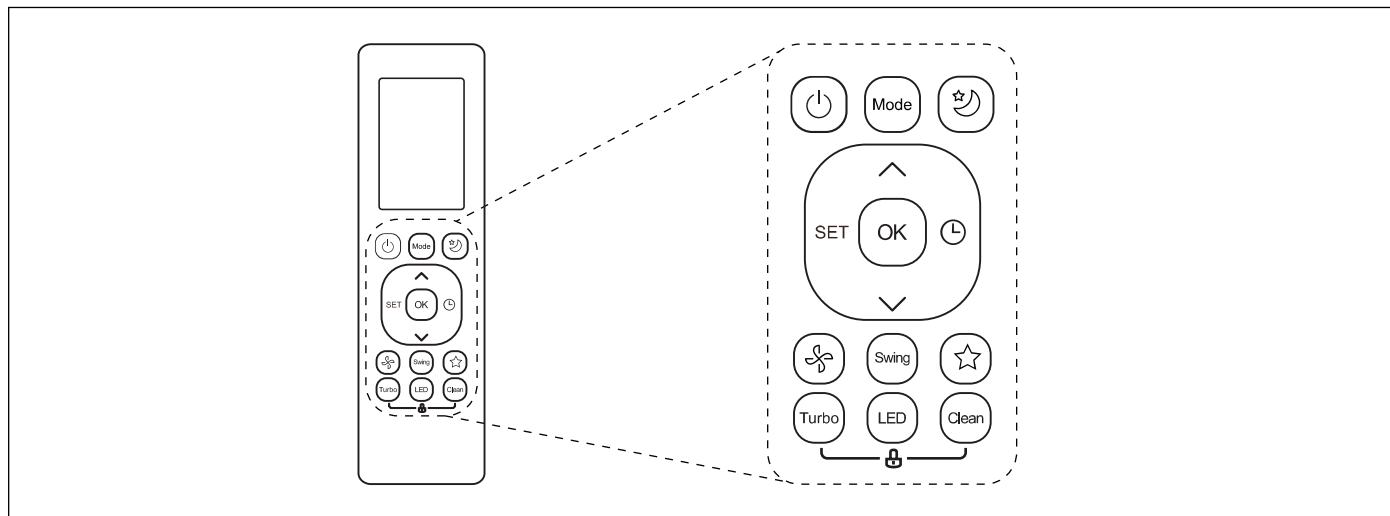


Figure 21







Button	Description	Function
	FAN Button	Press this button to select the fan speed as follows: AUTO --> LOW --> MED --> HIGH Press the TEMP Up (∧) or Down (∨) button to increase/decrease the fan speed in 1% increments. NOTE: You can not switch the fan speed in AUTO or DRY mode
	SWING Button	Press this button to activate/disable the horizontal louver auto SWING feature. The auto SWING feature will rotate the louver up and down, blowing air into the room in a continuously moving up/down motion. NOTE: Hold down for 2 seconds to activate the vertical louver auto swing feature.
	SHORTCUT Button	Press this button to return to previous system settings, or hold for 2 seconds to restore current operational settings.
	TURBO Button	Press this button to Activate/Disable the TURBO function. TURBO function enables the unit to reach the preset temperature at cooling or heating operation in the shortest time possible. The fan will run at a speed above HIGH.
	LED Button	Press this button to Activate/Disable the indoor unit screen display. Press this button to light the display or clear the display.
	CLEAN Button	Press this button to activate the units auto-clean feature.

Table 6

4.2 Indicators on LCD

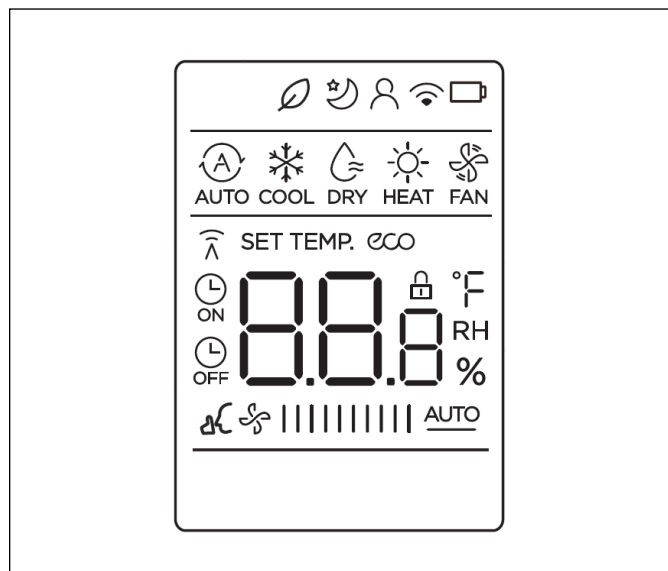


Figure 22























Icon	Description	Icon	Description
	AUTO Mode		Low fan speed
	COOL Mode		Medium fan speed
	DRY Mode		High fan speed
	HEAT Mode		Auto fan speed
	FAN Mode		Not applicable for this unit
	Displayed when data transmitted	<div data-bbox="771 1407 836 1480" data-label="Image">  </div> <p>All indicators are shown in the figure, but during actual operation only the relative functional signs are shown on the display window.</p>	
	Displayed when the system is locked		
	Battery display		
	Displayed when ECO function is active		
	Displayed when TIMER ON time is set		
	Displayed when TIMER OFF time is set		
	Set temperature, room temperature, or time depending on current mode and function.		
	Displayed when SLEEP function is active.		
	Displayed when FOLLOW ME function is active.		
	Displayed when SILENT function is active		
	Not applicable for this unit		

Table 7

4.3 Basic Operation

4.3.1 Auto operation

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

2. Press the MODE button to select AUTO.
3. 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.
4. Press the Power/OK button to start the air conditioner.

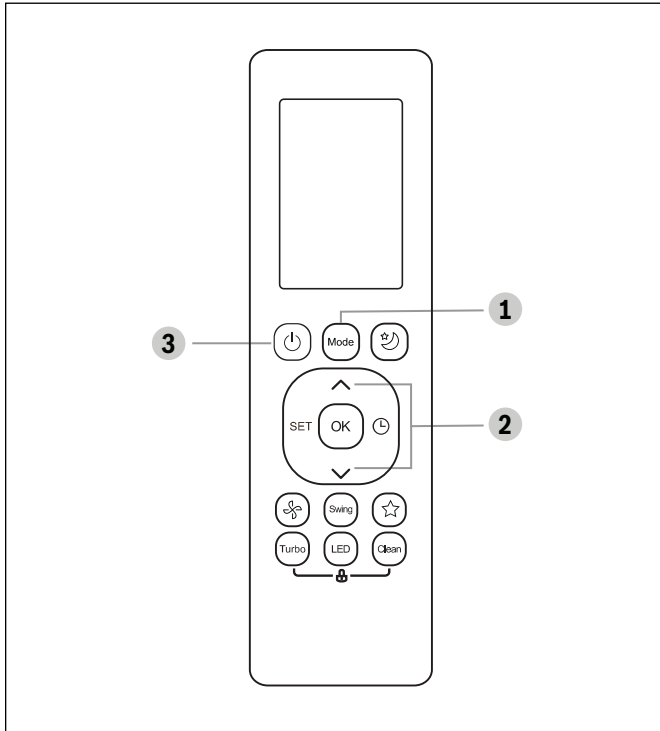


Figure 23



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

4.3.2 Cooling /Heating/Fan operation

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

1. Press the MODE button to select COOL, HEAT, or FAN mode.
2. Press the UP/DOWN buttons to set the desired temperature. In COOL or HEAT mode, 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 Power/OK button to start the air conditioner.

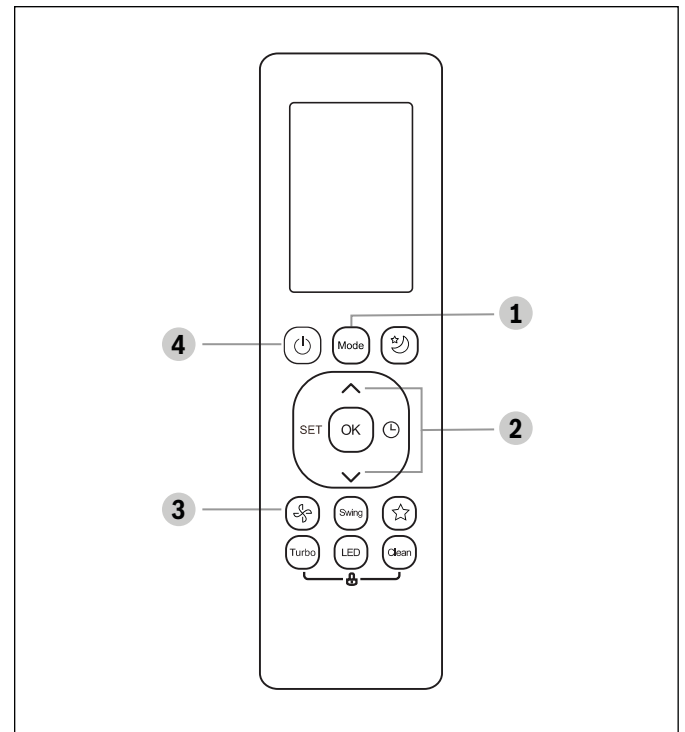


Figure 24



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

4.3.3 Dry Mode (for Dehumidification) operation

Ensure the unit is plugged in and power is available. The OPERATION indicator on the display panel of the indoor unit will be 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 Power/OK button to start the air conditioner.

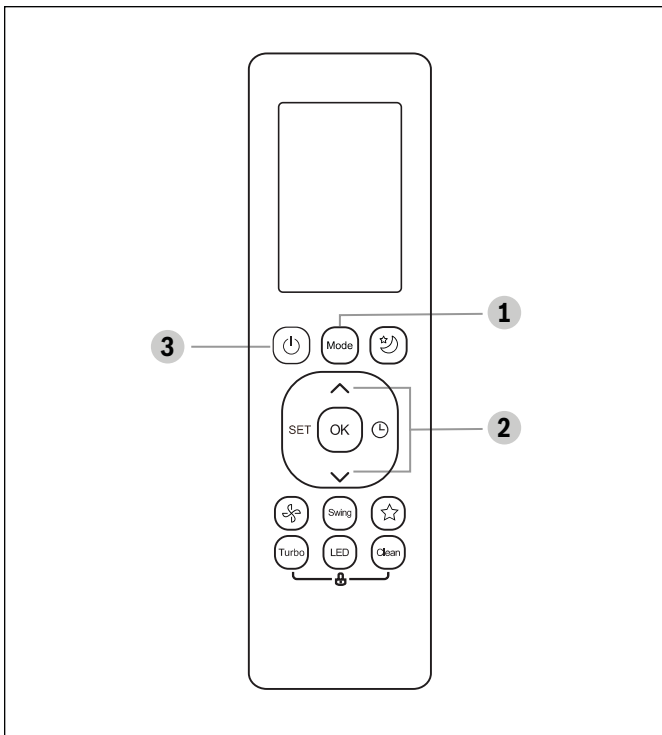


Figure 25



In the Dry mode, you can not switch the fan speed. The fan speed will be automatically controlled.



While in Dry Mode, the unit will not shut down when it reaches the set temperature. The unit will continue to run until it reaches 50°F.

4.3.4 Timer operation

Press the TIMER ON/OFF button to set the amount of time before the unit automatically turns on/off. Press the TIMER OFF button to set the auto-off time of the unit.

To set the Auto-on time.

1. Press the TIMER button. The remote controller shows TIMER ON, and the last Auto-on setting time will be shown on the LCD display area. Now it is ready to reset the Auto-on time. This feature will turn the unit on after the specified time.
2. Use the TEMP. UP and DOWN buttons to select the desired Auto-on time. Each time you press the button, the time changes 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 time will disappear and the set temperature will re-appear on the LCD display window.

To set the Auto-off time.

1. Press the TIMER button. The remote controller shows TIMER OFF, and the last Auto-off setting time will be shown on the LCD display area. Now it is ready to reset the Auto-off time. This feature will turn the unit off after the specified time.
2. Use the TEMP. UP and DOWN buttons to select the desired Auto-off time. Each time you press the button, the time changes 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 time will disappear and the set temperature will re-appear on the LCD display window.

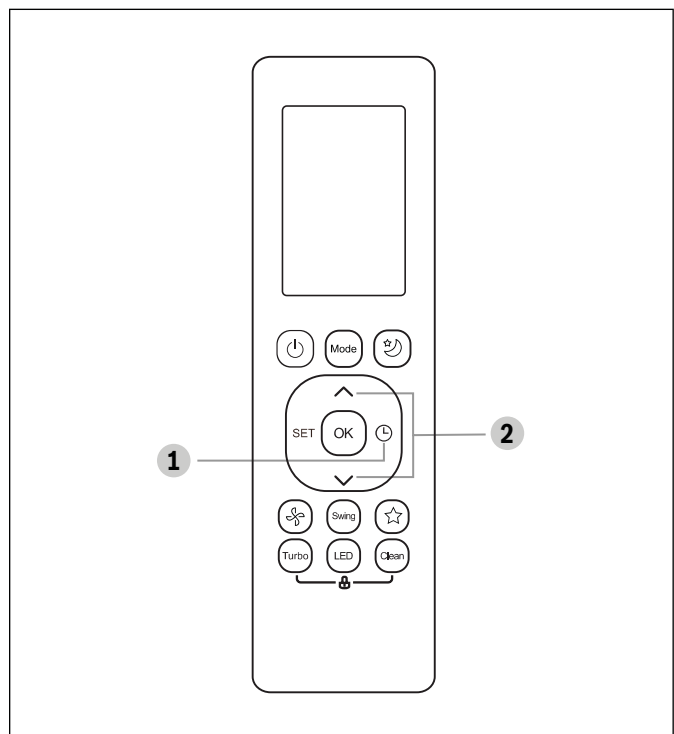


Figure 26

NOTICE:

- ▶ 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. These represent the number of hours for which the unit will wait to turn on or off.

Examples 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 2.5 hours.

1. Press the TIMER button, the last setting of starting operation time will show on the display area.
2. Press the TEMP. UP button to display "2.5H" 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 when this function is active.

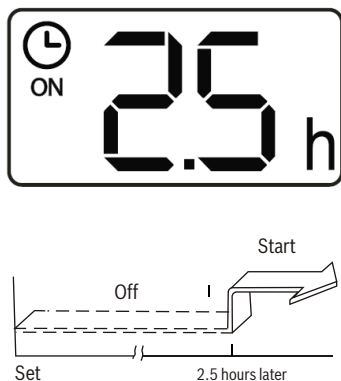


Figure 27

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 5 hours.

1. Press the TIMER button, the last setting of stopping operation time will show on the display area.
2. Press the TEMP UP/DOWN button to display "5.0H" 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 when this function is active.

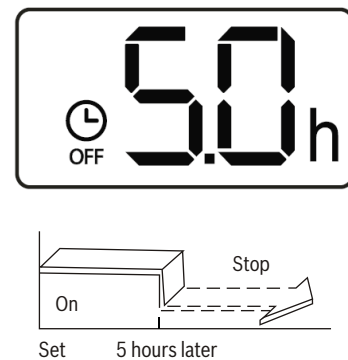


Figure 28



If you set both TIMER ON and TIMER OFF, the timers will activate from the time they were set.

4.4 Advanced Settings

4.4.1 FOLLOW ME

1. Press the SET button.
2. Use the TEMP UP/DOWN or the SET button until the FOLLOW ME icon appears.
3. Press the OK button to confirm.

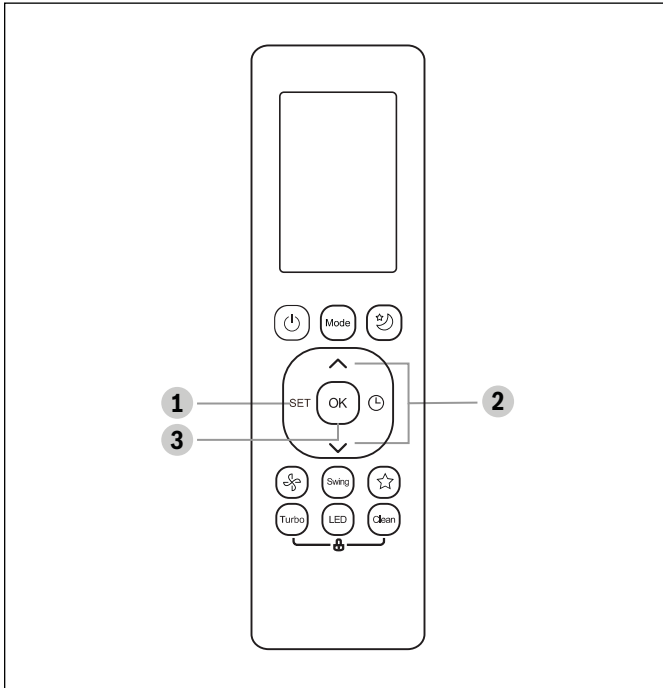


Figure 29

In this mode, the ambient temperature will be measured from the remote controller instead of the indoor unit itself, and adjust the system accordingly for maximum comfort.



Press and hold the TURBO button for 7 seconds to activate the FOLLOW ME memory feature.

4.4.2 TURBO

1. Press this button to activate TURBO mode, which puts the system in the highest operation mode to reach the set temperature as quickly as possible.

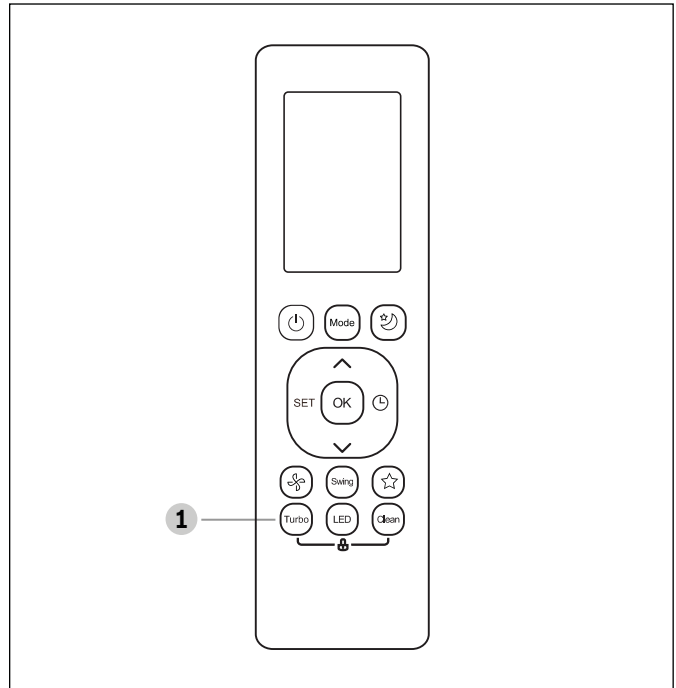


Figure 30

4.4.3 SHORTCUT

1. Press this button to revert back to the system's previous setting including operating mode, temperature and fan speed, as well as SLEEP if activated.
2. Press and hold the SHORTCUT button to restore the system settings before activating the SHORTCUT feature.

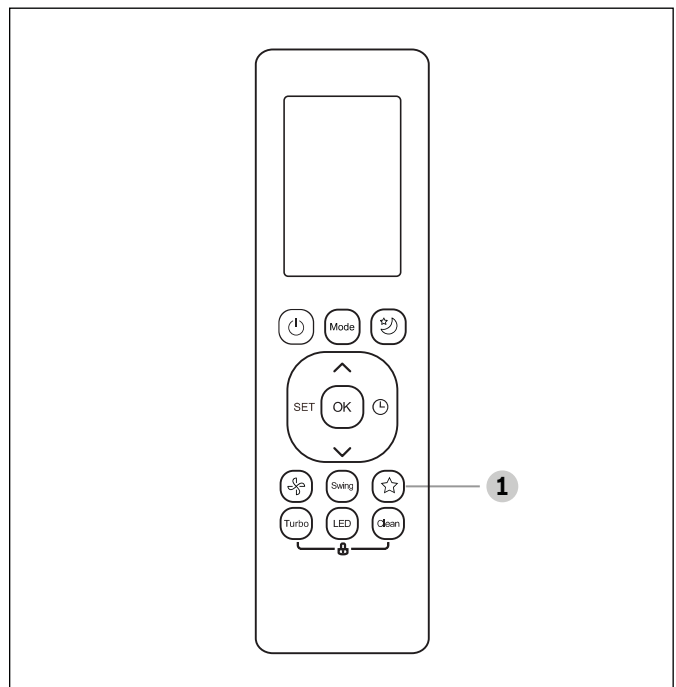


Figure 31

4.4.4 SWING

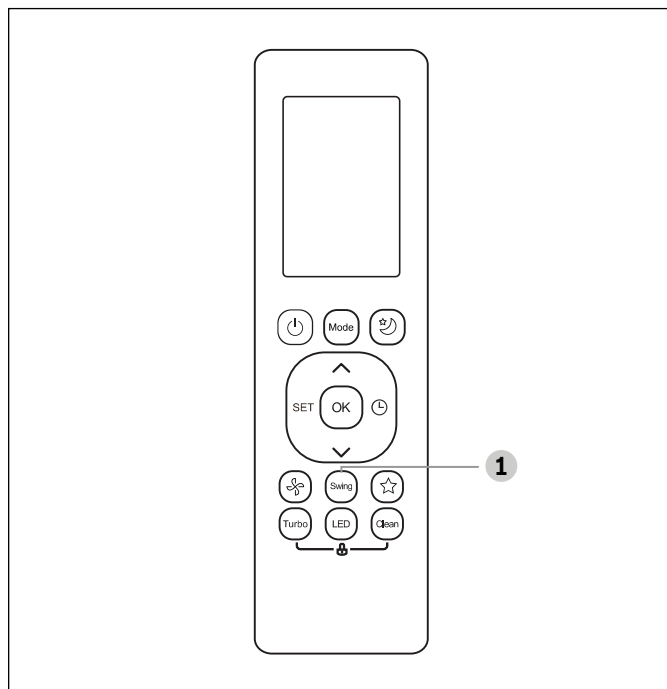


Figure 32

1. Press the SWING button, and the louvers in the indoor unit will oscillate up and down.

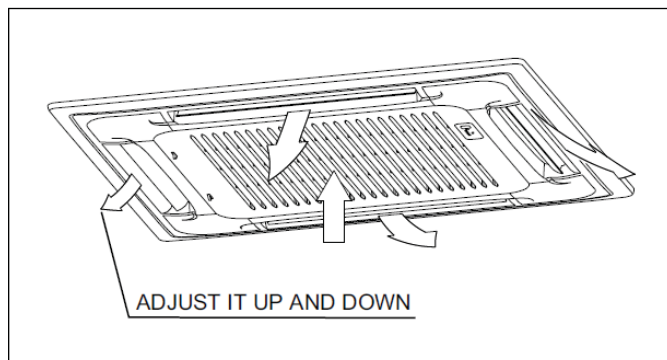


Figure 33

4.4.5 CLEAN

1. Press the CLEAN button and the indoor unit will automatically clean itself. The system will automatically turn off after finishing the CLEAN cycle.

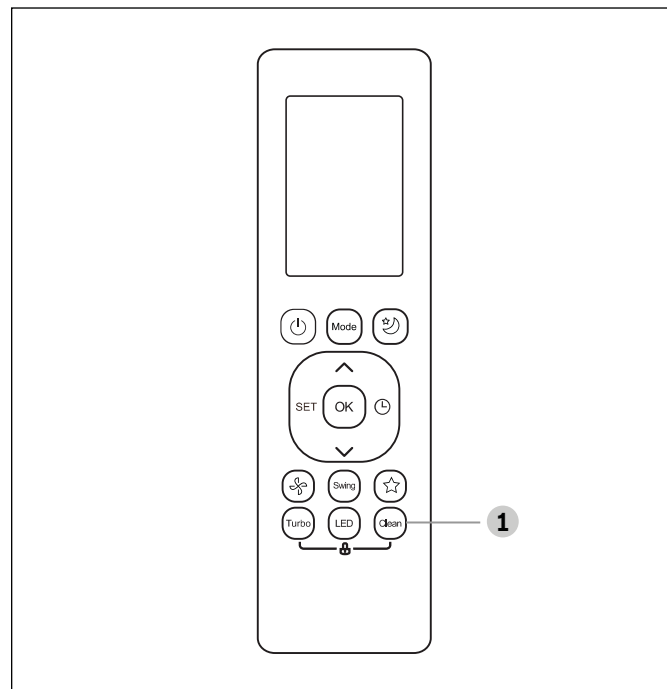


Figure 34



CLEAN is only available in COOL and DRY mode.

4.4.6 SILENT MODE

1. Hold the FAN button down for 2 seconds to activate/disable Silent mode.

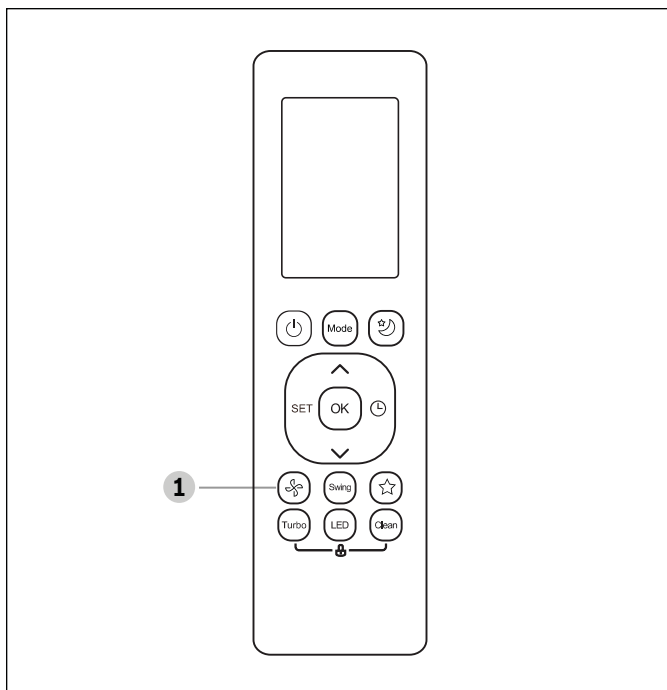


Figure 35



Due to low frequency operation of compressor, it may result in insufficient cooling and heating capacity. Press Power, Mode, Sleep, Turbo or Clean button to cancel silence function.

4.4.7 FP (Freeze Protection)

This mode is used to prevent pipe damage in colder climates. It automatically sets the fan speed to high and temperature to 46°F/8°C.

1. While in HEAT mode, set the system temperature to 62°F/16°C.
2. Quickly press the TEMP DOWN button twice.

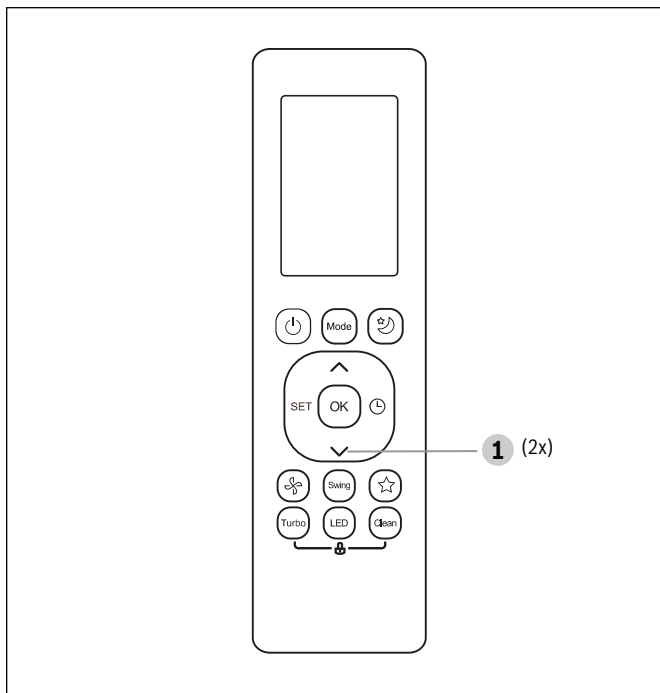


Figure 36

4.4.8 LOCK

1. Press and hold the TURBO and CLEAN buttons together for 5 seconds to lock/unlock the remote.

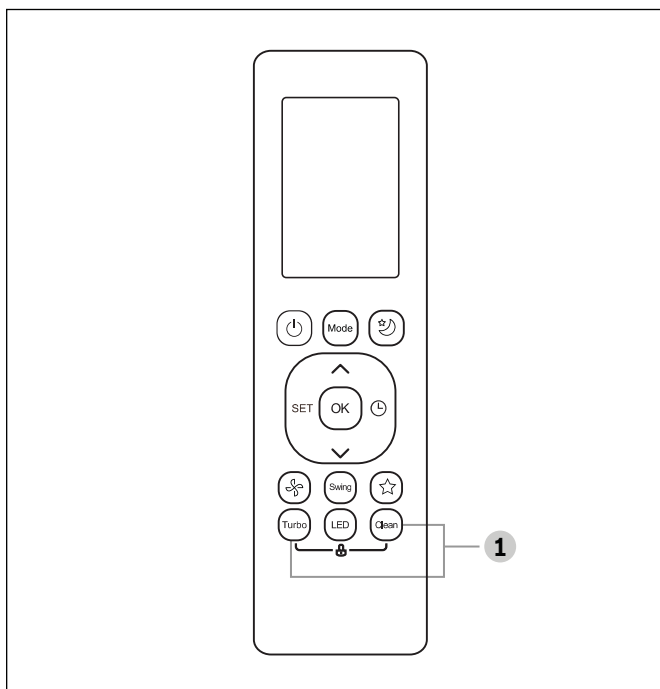


Figure 37

5 3 x 3 Cassette Unit Remote Controller

5.1 Operation of Buttons

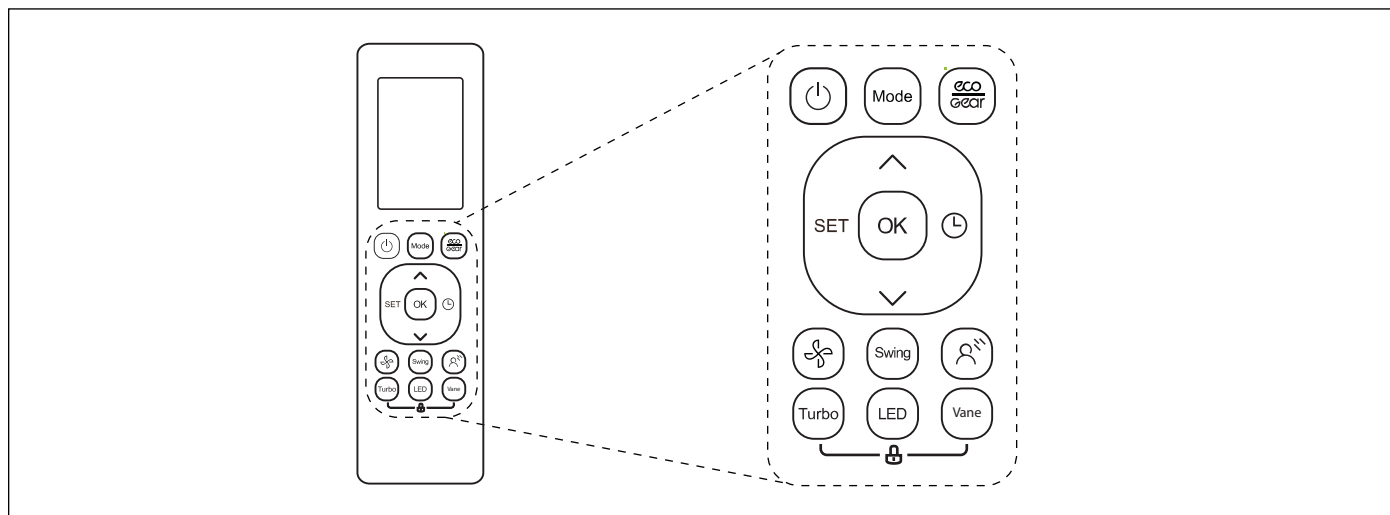


Figure 38







Button	Description	Function
	Power Button	Press this button to turn the air conditioner ON or OFF.
	MODE Button:	Press this button to select the air conditioner / heat pump's mode of operation. AUTO --> COOL --> DRY --> HEAT --> FAN
	ECO/GEAR Button	Press this button to enter the energy efficient mode in the following sequence: ECO --> GEAR(75%) --> GEAR(50%) --> Previous setting mode --> ECO <ul style="list-style-type: none"> While in COOL mode, press this button and the system will automatically be set to 24 °C/75 °F on Auto fan speed to save energy (only when the set temperature is less than 24 °C/75 °F). If the set temperature is above 24 °C/75 °F, the fan speed will change to Auto, the set temperature will remain unchanged Pressing the ECO button, changing the mode or adjusting the set temperature to less than 24 °C/75 °F will stop ECO operation.
	Temperature Control	UP Button(^): Push this button to increase the indoor temperature setting in 1°F increments , limited to 86°F. DOWN Button(v): Push this button to decrease the indoor temperature setting in 1°F increments, limited to 60°F. Press and hold the UP (^) and DOWN (v) buttons together for 3 seconds to alternate the temperature display between the °C & °F scales. NOTE: Temperature control is not available in Fan mode.
	SET Button	Press this button to scroll through functions as follows: Active Clean --> Fresh --> Sleep --> Follow Me --> AP Mode... The selected symbol will flash on the screen. Press the OK button to Confirm For more information on the Set function, refer to section 5.4 NOTE: Fresh and AP mode are not available for this unit.
	OK Button	Press this button to confirm selection functions.

Table 8

Operation of Buttons Continued

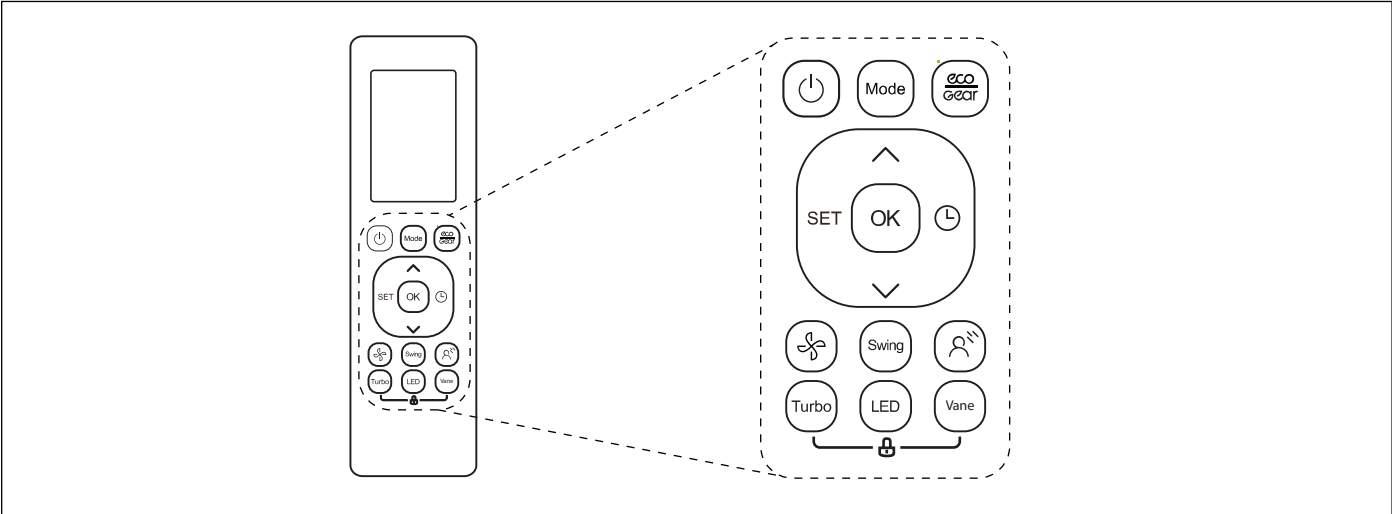


Figure 39








Button	Description	Function
	TIMER Button	Press this button to initiate the auto-on 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 in 60 minutes increments. To cancel the auto-timed program, simply adjust the auto-on time to 0.0.
	FAN Button	Press this button to select the fan speed as follows: AUTO --> SILENT (1%-20%) --> LOW (21%-40%) --> MED (41%-60%) --> HIGH (61%-100%) Press the TEMP Up (^) or Down (v) button to increase/decrease the fan speed in 1% increments. NOTE: You can not switch the fan speed in AUTO or DRY mode
	SWING Button	Press this button to activate/disable the horizontal louver auto SWING feature. The auto SWING feature will rotate the louver up and down, blowing air into the room in a continuously moving up/down motion. NOTE: Hold down for 2 seconds to activate the vertical louver auto swing feature.
	BREEZE AWAY Button	Press this button to redirect airflow away from a person for maximum comfort.
	TURBO Button	Press this button to Activate/Disable the TURBO function. TURBO function enables the unit to reach the preset temperature at cooling or heating operation in the shortest time possible. The fan will run at a speed above HIGH.
	LED Button	Press this button to Activate/Disable the indoor unit screen display. Press this button to light the display or clear the display.
	VANE Button	Press this button to enter the louver adjustment mode.

Table 9

5.2 Indicators on LCD

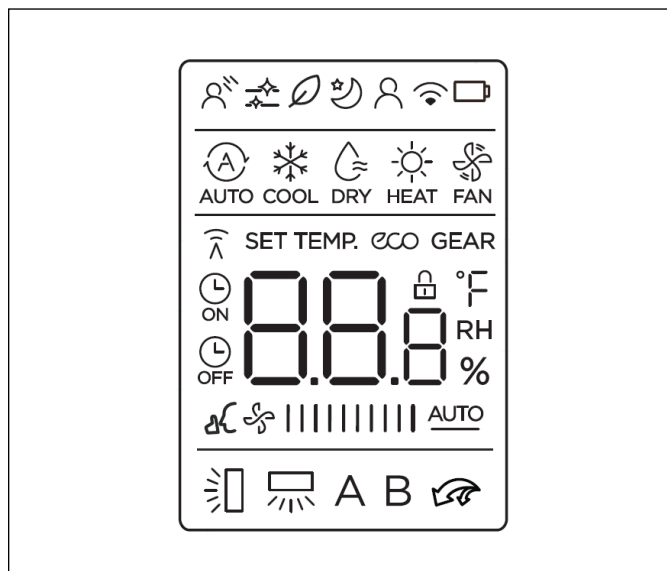


Figure 40

Icon	Description	Icon	Description
	AUTO Mode		Displayed when BREEZE AWAY function is active
	COOL Mode		Not applicable for this unit
	DRY Mode		Displayed when ACTIVE CLEAN function is active
	HEAT Mode		Displayed when SILENT function is active
	FAN Mode		Silent fan operation = 1% = 2% - 20%
	Displayed when data transmitted		Low fan speed 21% - 40%
	Displayed when the system is locked		Medium fan speed 41% - 60%
	Battery display		High fan speed 61% - 80% 81% - 100%
	Displayed when ECO function is active		Auto fan speed
	Displayed when TIMER ON time is set		Not applicable for this unit
	Displayed when TIMER OFF time is set		
GEAR	Displayed when GEAR function is active		
	Displayed when horizontal SWING mode is activated		
	Not applicable for this unit		
	Set temperature, room temperature, or time depending on current mode and function.	<div> <p>All indicators are shown in the figure, but during actual operation only the relative functional signs are shown on the display window.</p> </div>	
	Displayed when SLEEP function is active.		
	Displayed when TURBO function is active		
	Displayed when INTELLIGENT EYE is active		
	Displayed when FOLLOW ME function is active.		

Table 10

5.3 Basic Operation

5.3.1 Auto operation

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

2. Press the MODE button to select AUTO.
3. Press the UP/DOWN button to set the desired temperature. The temperature can be set within a range of 60°F ~ 86°F in 1°F increments.
4. Press the Power/OK button to start the air conditioner.

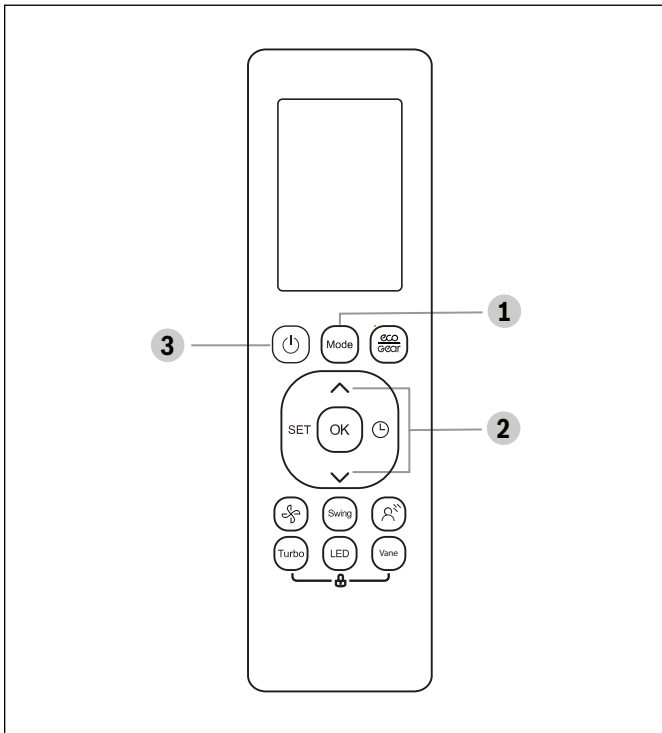


Figure 41

- i**

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

5.3.2 Cooling /Heating operation

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

1. Press the MODE button to select COOL, HEAT, or FAN mode.
2. Press the UP/DOWN buttons to set the desired temperature. In COOL or HEAT mode, the temperature can be set within a range of 60°F ~ 86°F in 1°F increments.
3. Press the FAN button to select the fan speed: Auto -100%.
4. Press the Power/OK button to start the air conditioner.

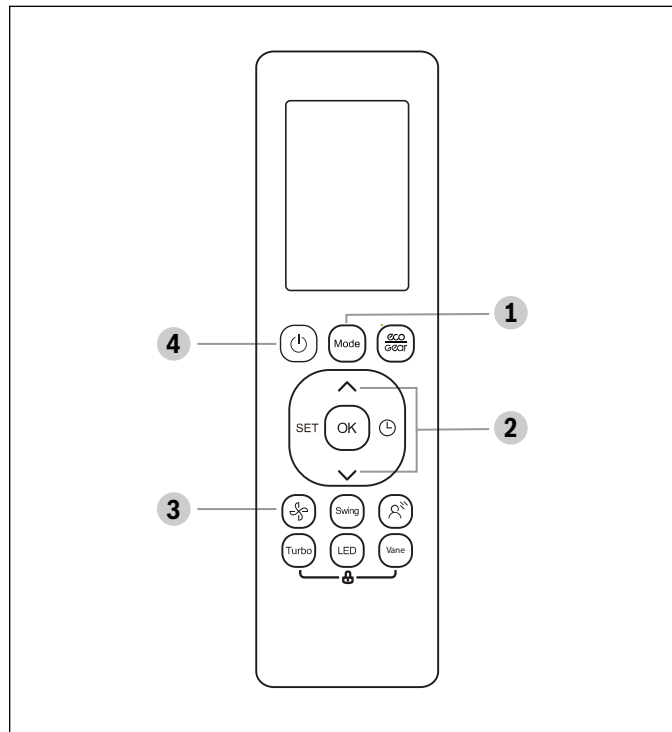


Figure 42

- i**

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

5.3.3 Dry Mode (for Dehumidification) operation

Ensure the unit is plugged in and power is available. The OPERATION indicator on the display panel of the indoor unit will be 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 60°F ~ 86°F in 1°F increments.
3. Press the Power/OK button to start the air conditioner.

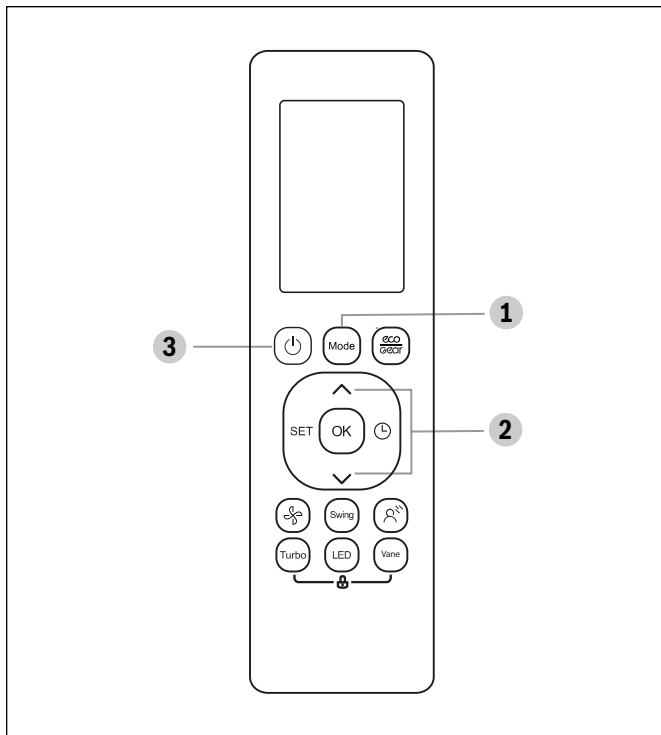




Figure 43

 In the Dry, you can not switch the fan speed. The fan speed will be automatically controlled.

 While in Dry Mode, the unit will not shut down when it reaches the set temperature. The unit will continue to run until it reaches 50 °F.

4.3.4 Timer operation

Press the TIMER ON/OFF button to set the amount of time before the unit automatically turns on/off. Press the TIMER OFF button to set the auto-off time of the unit.

To set the Auto-on time.

1. Press the TIMER button. The remote controller shows TIMER ON, and the last Auto-on setting time will be shown on the LCD display area. Now it is ready to reset the Auto-on time. This feature will turn the unit on after the specified time.
2. Use the TEMP. UP and DOWN buttons to select the desired Auto-on time. Each time you press the button, the time changes 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 time will disappear and the set temperature will re-appear on the LCD display window.

To set the Auto-off time.

1. Press the TIMER button. The remote controller shows TIMER OFF, and the last Auto-off setting time will be shown on the LCD display area. Now it is ready to reset the Auto-off time. This feature will turn the unit off after the specified time.
2. Use the TEMP. UP and DOWN buttons to select the desired Auto-off time. Each time you press the button, the time changes 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 time will disappear and the set temperature will re-appear on the LCD display window.

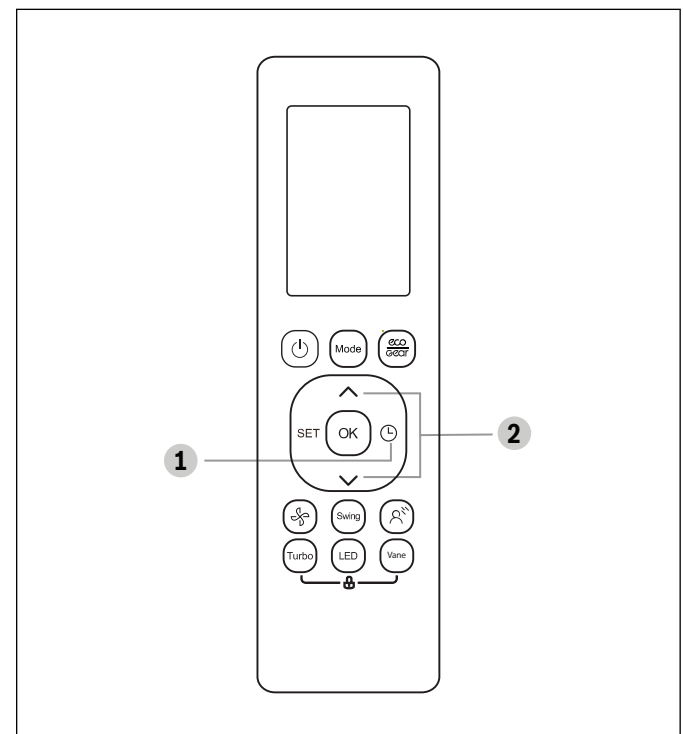


Figure 44

NOTICE:

- ▶ 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. These represent the number of hours for which the unit will wait to turn on or off.

Examples 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 2.5 hours.

1. Press the TIMER button, the last setting of starting operation time will show on the display area.
2. Press the TEMP. UP button to display "2.5H" 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 when this function is active.

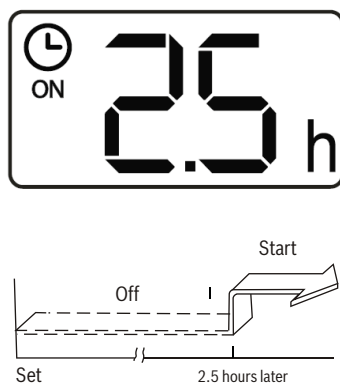


Figure 45

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 5 hours.

1. Press the TIMER button, the last setting of stopping operation time will show on the display area.
2. Press the TEMP UP/DOWN button to display "5.0H" 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 when this function is active.

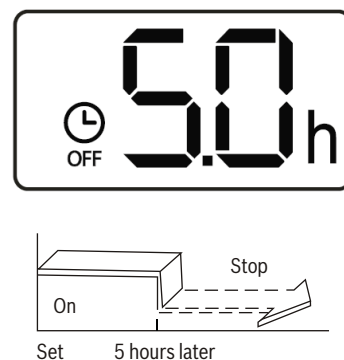


Figure 46



If you set both TIMER ON and TIMER OFF, the timers will activate from the time they were set.

5.4 Advanced Settings

5.4.1 SET

1. Press the SET button
2. Use the TEMP UP/DOWN or the SET button to select the desired function
3. Press the OK button to confirm

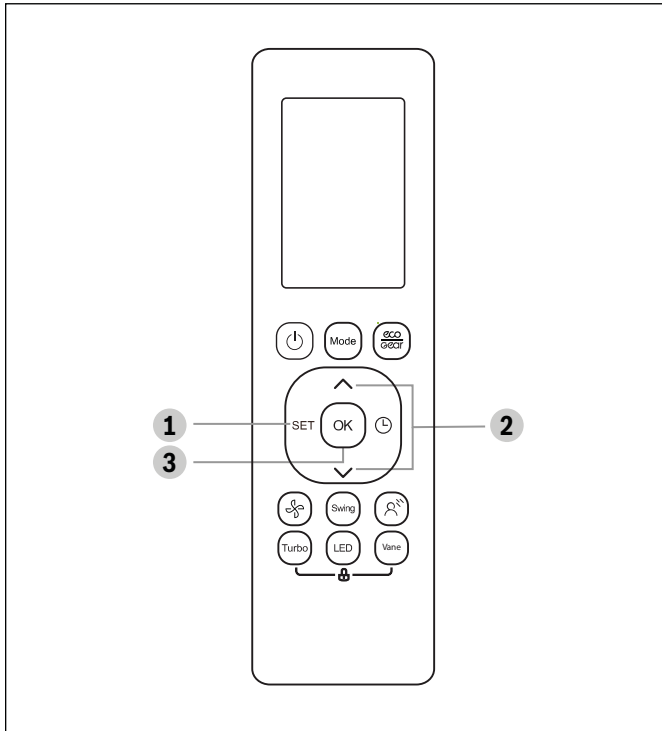





Figure 47

The SET functions are as follows:

- **ACTIVE CLEAN** (): This function automatically cleans the heat exchanger by freezing and thawing the surface.
- **SLEEP** (): This feature reduces energy usage while you sleep.



SLEEP mode is not available in FAN and DRY mode.

- **FOLLOW ME** (): In this mode, the ambient temperature will be measured from the remote controller instead of the indoor unit itself, and adjust the system accordingly for maximum comfort.

5.4.2 BREEZE AWAY

This mode redirects airflow to avoid blowing air directly on a person for maximum comfort.

While in COOL, FAN, or DRY mode:

1. Press the BREEZE AWAY button

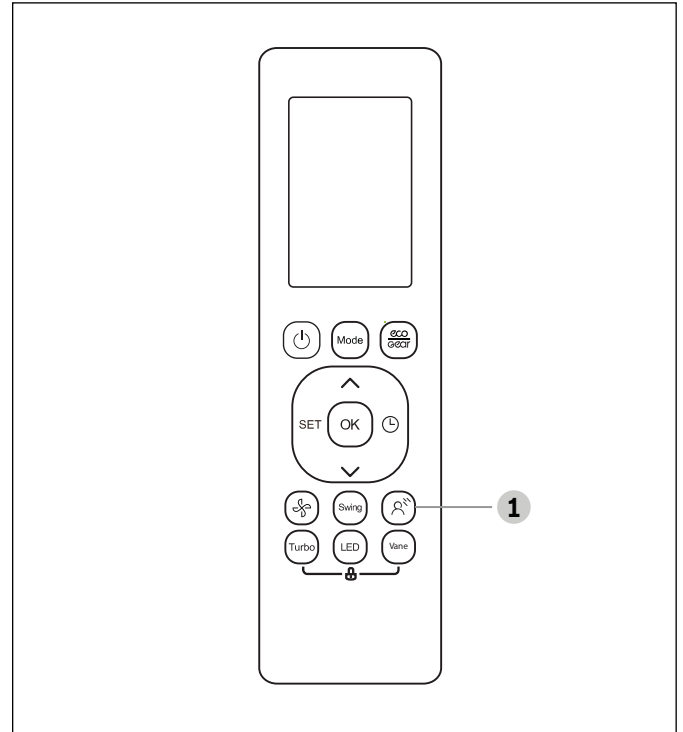


Figure 48

5.4.3 ECO/GEAR

ECO:

While in COOL mode:

1. Press the ECO/GEAR button
2. Press ECO/GEAR or change the temperature to below 75°F to stop ECO mode.

Activating ECO mode will set the system temperature to 75°F and fan speed to AUTO for reduced energy usage.

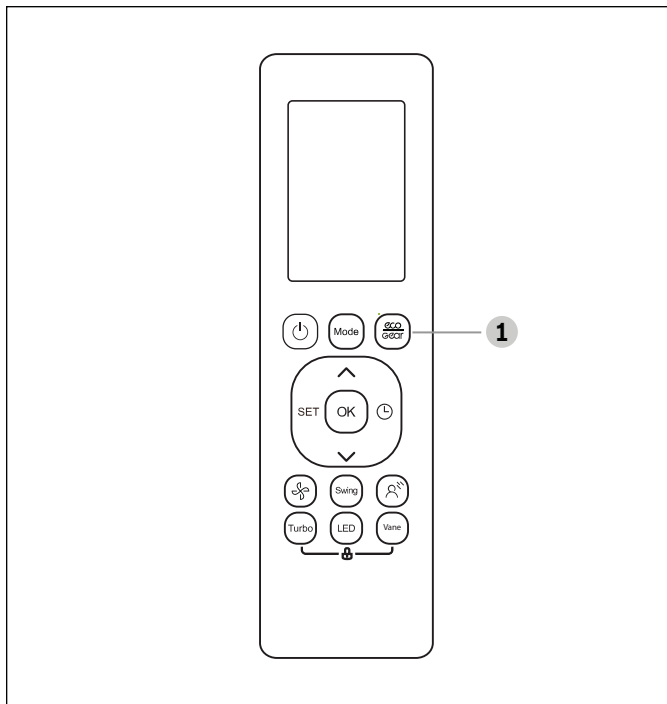


Figure 49

i If the temperature is above 75°F, the fan will be set to AUTO and the temperature will stay the same.

i Eco/Gear features may not be available in all configurations.

GEAR:

Press the ECO/GEAR to limit the compressor frequency to reduce electrical energy usage.

3. Pressing the ECO/GEAR button scrolls through the following sequence to access GEAR mode:

ECO --> GEAR(75%) --> GEAR (50%) --> Previous system setting

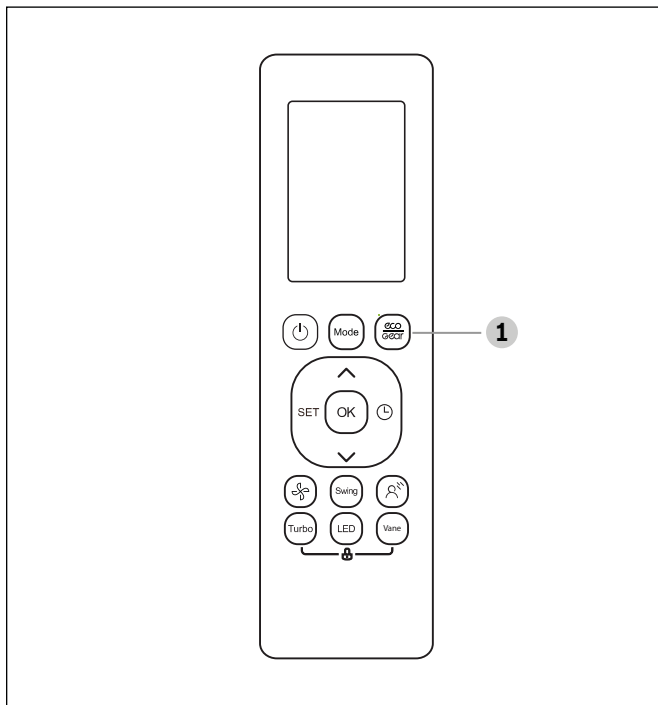


Figure 50

5.4.4 SWING

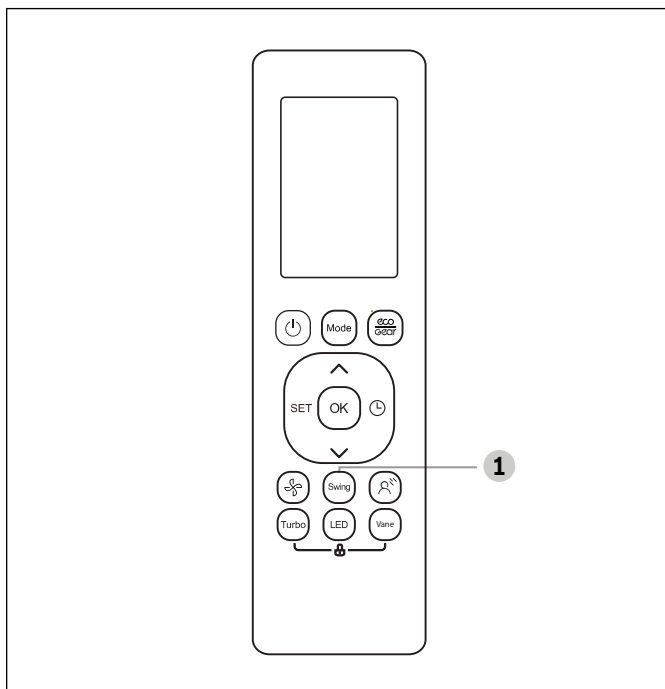


Figure 51

1. Press the SWING button, and the louvers in the indoor unit will oscillate up and down.

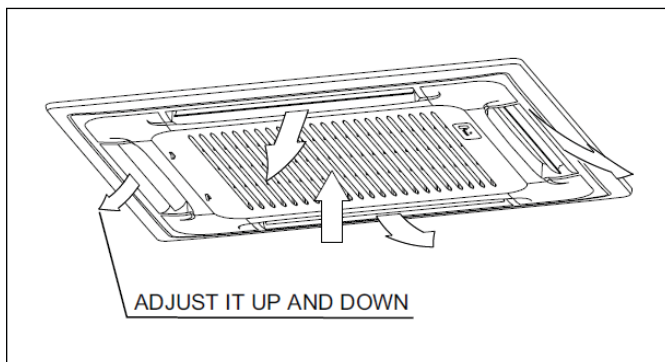


Figure 52

5.4.5 VANE

1. Press the VANE button
2. Continue to press the VANE button to select the specific louver to adjust. ("0" indicates all four louvers are all selected)
3. Press the SWING button to make the selected louvers automatically oscillate

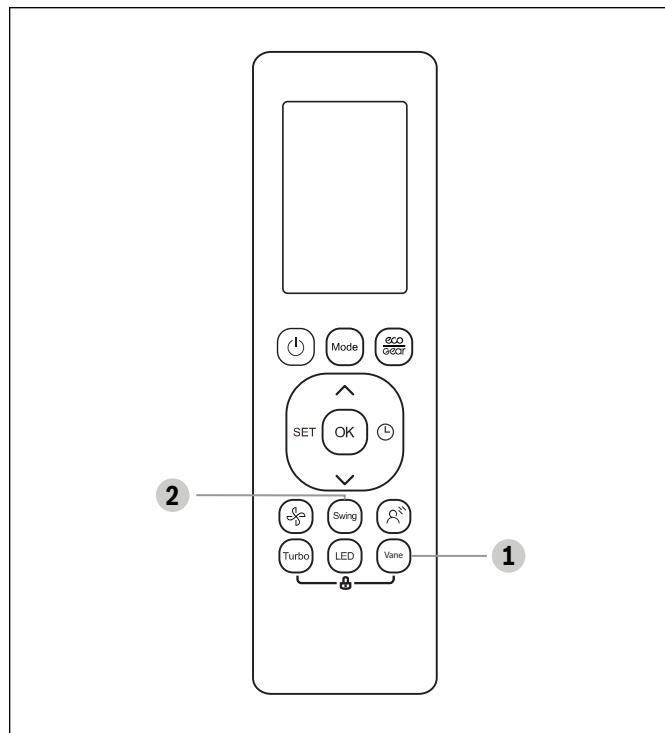


Figure 53

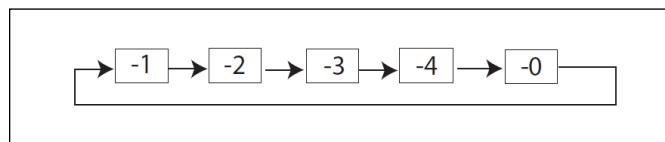


Figure 54

5.4.6 TURBO

1. Press this button to activate TURBO mode, which puts the system in the highest operation mode to reach the set temperature as quickly as possible.

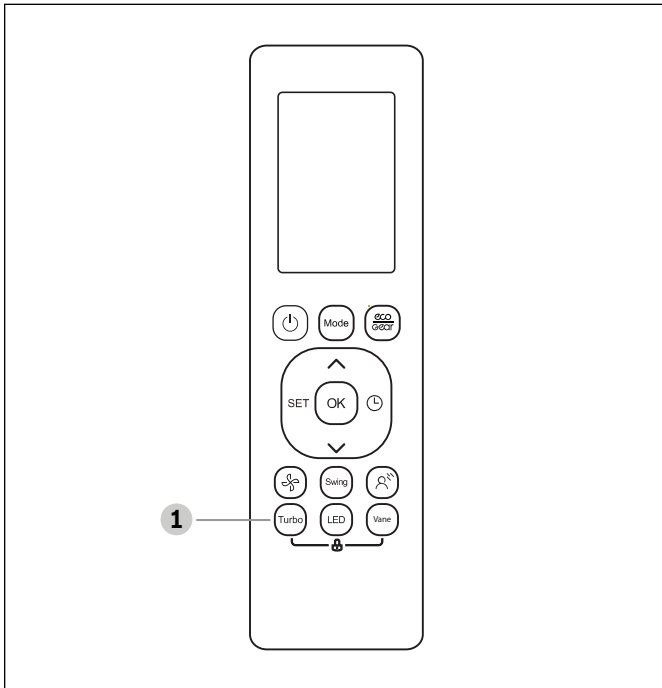


Figure 55

5.4.7 SILENT MODE

1. Hold the FAN button down for 2 seconds to activate/disable Silent mode.

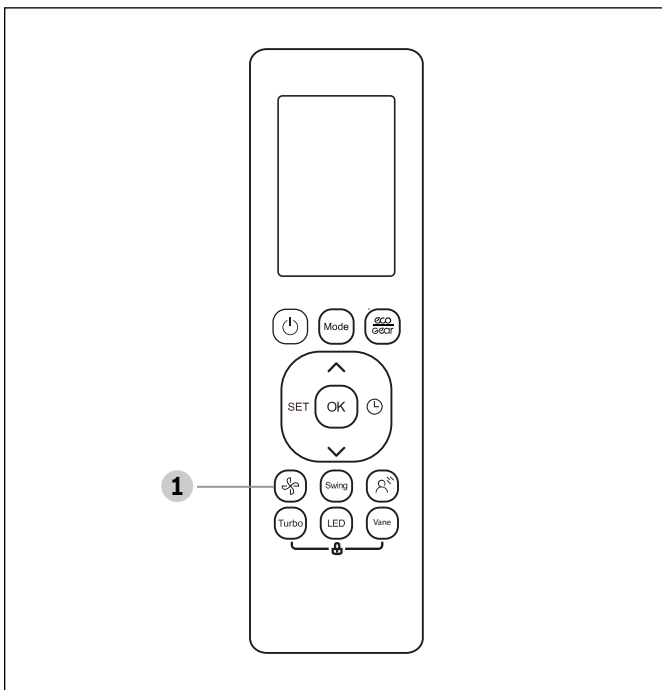



Figure 56

 Due to low frequency operation of compressor, it may result in insufficient cooling and heating capacity. Press Power, Mode, Sleep, Turbo or Clean button while operating will cancel silence function.

5.4.8 FP (Freeze Protection)

This mode is used to prevent pipe damage in colder climates. It automatically sets the fan speed to high and temperature to 46°F/8°C.

1. While in HEAT mode, set the system temperature to 60°F/16°C.
2. Quickly press the TEMP DOWN button twice.

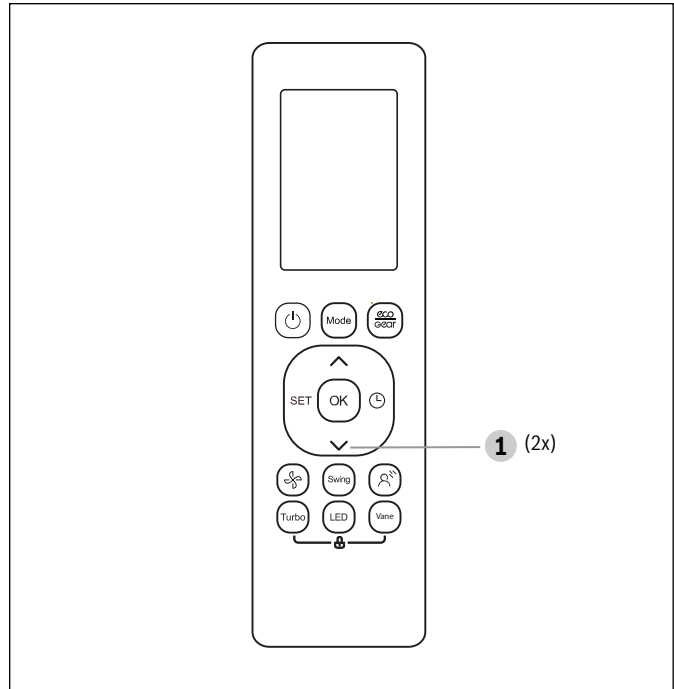


Figure 57

5.4.9 LOCK

1. Press and hold the TURBO and CLEAN buttons together for 5 seconds to lock/unlock the remote.

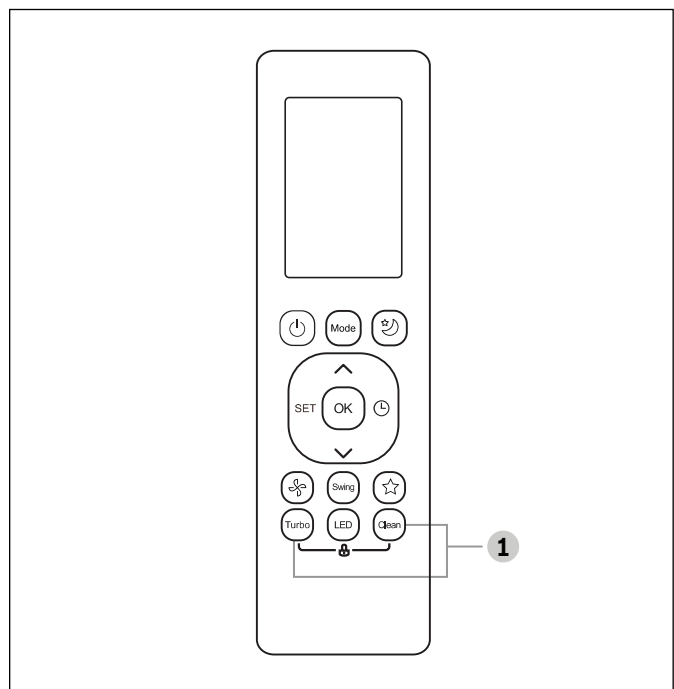


Figure 58

6 Handling the Remote Controller

6.1 Location of the Remote Controller

Use the remote controller within a distance of approximately 25 feet from the appliance, pointing it towards the receiver. Reception of new information is confirmed by a beep.

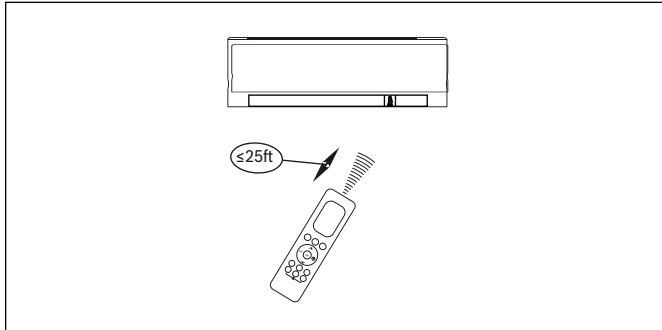


Figure 59

NOTICE:

- ▶ The air conditioner will not operate if curtains, doors or other materials block the signal between the remote controller and the indoor unit.
- ▶ Prevent any liquid from falling onto 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 over windows to prevent the sunlight from falling on the receiver.
- ▶ Do not drop the remote controller. Handle with care.
- ▶ Do not place heavy objects on or step on the remote controller.

6.2 Using the Remote Controller Holder (Optional)

The remote controller can be attached to a wall or pillar by using a remote controller holder.

1. Before installing the remote controller, check that the air conditioner receives the signal properly.
2. Install the remote controller holder with two screws.
3. For installing or removing the remote controller, move it up or down in the holder.

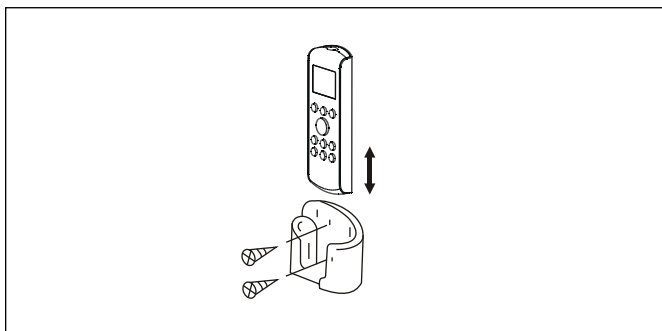


Figure 60

6.3 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 dry batteries (Alkaline AAA x 2) housed in the back rear part and protected by a cover.

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

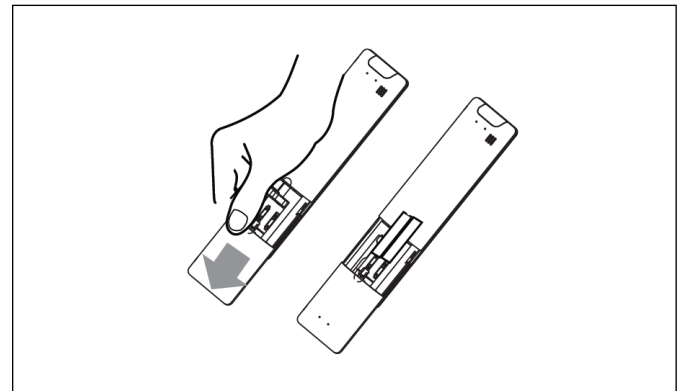


Figure 61



When the batteries are removed, the remote controller erases all settings and timers. After inserting new batteries, settings and timers must be reset.

NOTICE:

- ▶ 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 months or longer.
- ▶ Dispose of batteries properly, per local and national codes or requirements.

Notes:

Notes:

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