1. Wireless remote controller

Controller	Appearance	Model	Description
Wireless remote controller		RM02A/BGE-A	General functions with backlight, follow me, setting addresse, 26℃ button and auto-mode (Normal).
		RM02A/BGE (T)-A	General functions with backlight, follow me,setting addresse, 26℃ button and auto-mode (Only for HR indoor unit).
		RM05/BG(T)E-A	General remote functions with address setting function,
		R05/BGE	Big screen and LCD display, with back light display, clock function.
		R51D/E	General functions.
		R51/E	General functions and with economic mode.
		R51I4/BGE	General functions with backlight and FOLLOW ME.
		R71A/E	Based on R51C, button quantities reduce, but functions increase.
		R06/BGE	The function is the same as R05/BGE, and only the appearance is different.
		R06/BGCE	For cooling only mode. The function is the same as R05/BGE, and only the appearance is different.
		R11HG/E	General functions with time display.

1.1 RM02A/BGE-A; RM02A/BGE (T)-A
1.1.1 Parts name
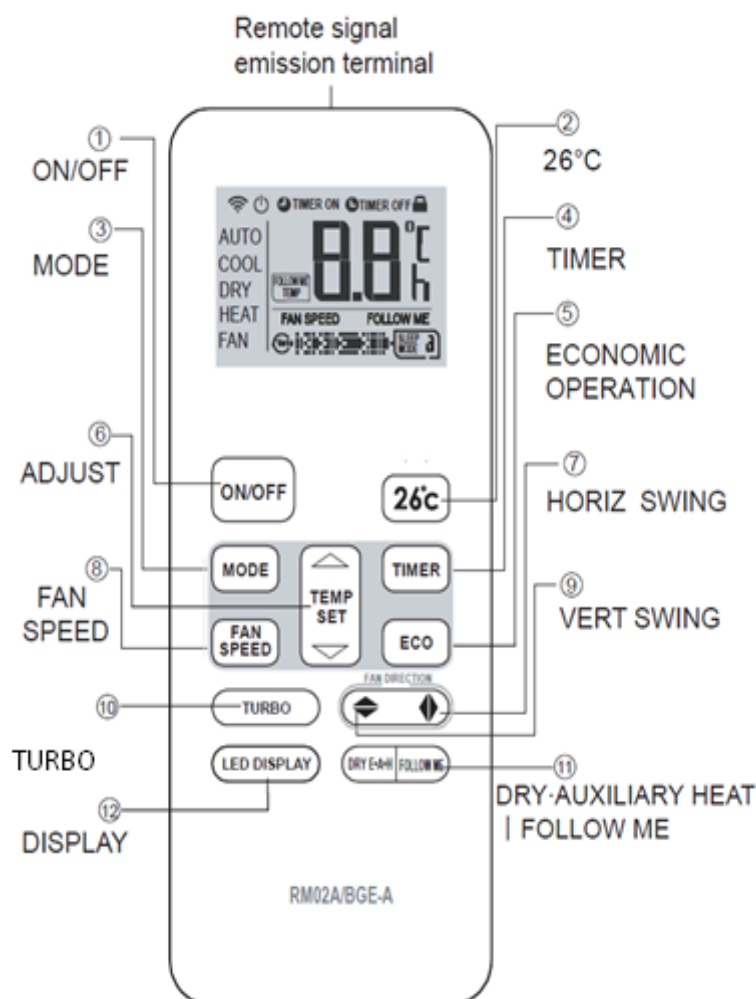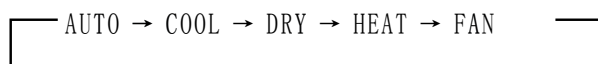

(1) ON/OFF: For turning on or turning off the air conditioner.
(2) 26℃ Button: Press this button can operate the cool mode with the setting temperature 26℃. Considering about the comfort and energy saving, 26℃ is the best setting temperature.
(3) Mode Select: Once pressing, running mode will be selected in the following sequence:

┌─── AUTO → COOL → DRY → HEAT → FAN ───┐

(4)Timer: Under the OFF state only can set TIME ON function. Once press this button, the time will increase by 0.5 hour. When the set time exceeds 10 hours, pressing TIMER button will increase the time by 1 hour. Adjust the TIMER ON to be "0:00"then can cancel the TIMER ON.
Under the ON state only can set TIME OFF function. Once press this button, the time will increase by 0.5 hour. When the set time exceeds 10 hours, pressing TIMER button will increase the time by 1 hour. Adjust the TIMER OFF to be "0:00"then can cancel the TIMER OFF.
(5) ECO Button: When operating COOL, HEAT and AUTO mode, press the "ECO" button, and operate power save function; press again will cancel the function. Under the DRY/FAN mode, this function is invalid. Under power save state, press "MODE","ON/OFF" or "FAN" button will cancel this function.
(6)**Adjust▽:** Decrease the set temp. Keeping pressing will decrease the temp with 1℃ per 0.5s.
Adjust Δ: Increase the set temp. Keeping pressing will increase the temp with 1℃ per 0.5s.

(7)Horiz Swing: Press this button can activate or turn off wind horizontal swing function. (Only available when remote controller is used with corresponding unit.)

(8)FanSpeed: Fan speed will be selected in following sequence once pressing this button: (Under the DRY and AUTO mode (except for the auto heat recycling mode), the fan speed will be fixed and cannot be adjusted. Under the auto heat recycling mode, the fan speed will be automatically and can be adjusted.)

$$AUTO \rightarrow LOW \rightarrow MED \rightarrow HIGH$$
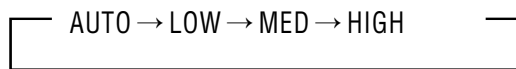
(9)Vert Swing: Press this button can activate or turn off vertical swing function. Under the power off state, this button will not work (Only available when remote controller is used with corresponding unit.)

(10)TURBO: Press this button will set the air conditioner to operate as turbo mode, and the frequency will be raised, press again will cancel this mode. (Only available when remote controller is used with corresponding unit.)

(11) DRY·AUXILIARY HEAT/FOLLOW ME： When it is operating the dry cleaning function ,press the left of the button, will turn off the dry cleaning function; when it is operating follow me function ,press the right of the button, will turn off the follow me function.(Only available when remote controller is used with corresponding unit.)

(12) LED Display: When the air conditioner is on the ON state, press this button, can close (open) the modules display, press again will open (close) the display. (Only available when remote controller is used with corresponding unit.)

1.1.2 LCD display
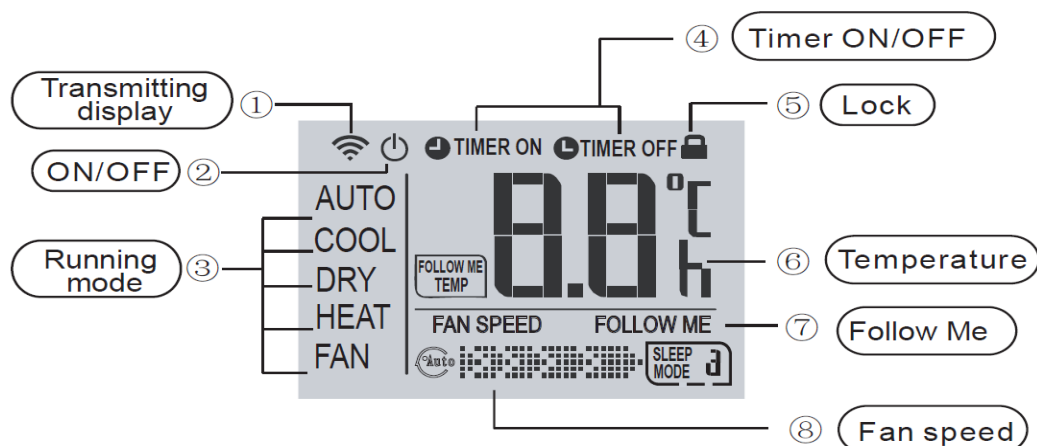
1.1.3 Other operations
➤ **FOLLOW ME function**
- This air conditioner has FOLLOW ME function, when the function is operated, the remote controller will detect the temperature near the remote controller and compare with the temperature you set automatically, and control the operation of the air conditioner according to the contrastive result, and make the temperature near the remote controller reaches the setting temperature. This function is valid only under COOL, HEAT, AUTO mode and the unit has follow me function.
- Remote controller cannot be placed near the heat source or low temperature source, otherwise will affect its temperature gathering precision and then affect the follow me function.

➤ **Locking function**

Press the "MODE" and "TIMER "button at the same time and last over 5s, then can operate locking the remote controller. In locked state, all the buttons are ineffective. Press the "MODE" and "TIMER "button again at the same time and last over 2s, then can close the locking.

> ➢ **Setting addresses**

1) Press the Fan button and ECO button simultaneously for more than 5 seconds, then the controller gets into address setting mode.

2) Then press the ON/OFF button to start transmitting signal in the address setting mode. When working in address setting mode, press ON/OFF will not turn the controller off.

3) In the address setting mode, there are 2 main functions:

Querying mode: Please point the remote controller to the indoor unit, then press MODE button, the corresponding indoor unit will display its address.

Setting mode: Use the UP and DOWN buttons to choose an address you want. Then point the remote controller to the indoor unit and then press the FAN button to set the indoor unit's address. The corresponding indoor unit will display the new address and record it. After about 4 seconds, this displaying will fade out and the indoor units turn to normal display mode.

4) After setting all the addresses, users can press the Fan button and ECO button simultaneously again for 5 seconds to exit the address setting mode.

> ➢ **Auto heat recycling mode function**

ΔT：Temperature difference, means the different temperature between the indoor temperature (Tf) detected by the remote controller and the remote controller setting temperature (Ts). (The default difference is 3℃, the difference range is 1~4℃)
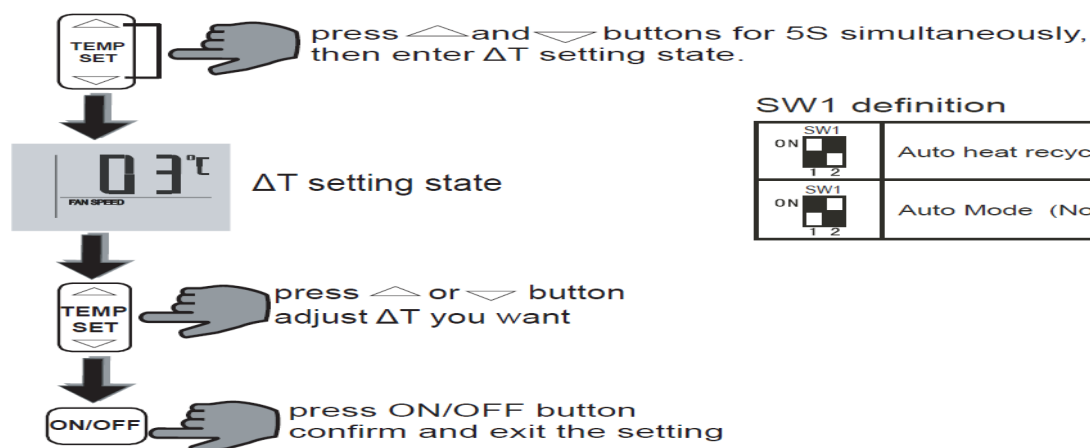
ΔT instruction：

Example:

ΔT is 1°C, Ts is 25°C:

when Tf-Ts>=＋ΔT, it will operate COOL mode, the fan speed will be operated according to the setting fan speed. When Tf-Ts<=－ΔT, it will operate HEAT mode, the fan speed will be operated according to the setting fan speed.

Note:

This function operation can be only available for the heat recycling three-pipe system. When the remote controller selects the auto heat recycling mode, the remote controller position must be placed at the signal receiving range of the air conditioner. When the remote controller detects changes of the mode (cool to heat, or heat to cool), it will send the changes to air conditioner. One beep of air conditioner changed mode signals is giving out.

> ➢ **Auto Operation (Normal)**

● Press MODE to select AUTO.

● Adjust temp via Δ and ▽. Generally the temp. range is 17℃~30℃ .Press ON/OFF and running indicator light on indoor unit is lightened. Air conditioner will work on AUTO mode and fan speed is AUTO, the display screen on remote controller will display "AUTO", then the fan speed is adjustable. And press ON/OFF again, the air conditioner will be stopped.

1.2 R05/BGE; RM05/BG (T) E-A

Model	R05/BGE; RM05/BG (T) E-A
Rated Voltage	3.0V(2 pieces of LR03 7# batteries)
Lowest Voltage	2.4V
Effective Distance	8M~11M
Operation Condition	-5℃~60℃

1.2.1 Parts name
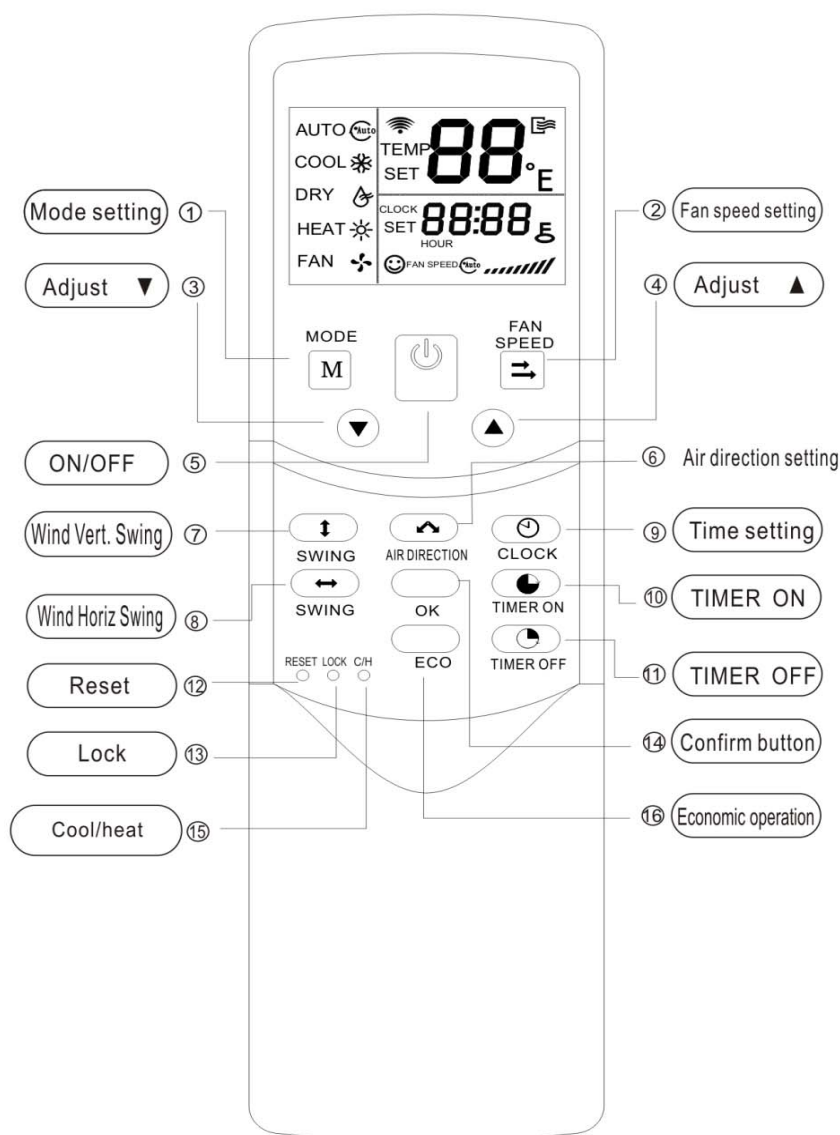
(1) Mode Button: Once pressing, running mode will be selected in the following sequence:

$$AUTO \rightarrow COOL \rightarrow DRY \rightarrow HEAT \rightarrow FAN$$

NOTE: No heating mode for cool only type unit.

(2) FanSpeed: Fan speed will be selected in following sequence once pressing this button:

$$AUTO \rightarrow LOW \rightarrow MED \rightarrow HIGH$$

(3) Adjust: Decrease the set temp. Keeping pressing will decrease the temp with 1℃ per 0.5s.

(4) Adjust: Increase the set temp. Keeping pressing will increase the temp with 1℃ per 0.5s.

(5) ON/OFF: For turning on or turning off the air conditioner.

(6) Air Direction: Activate swing function of air deflector. Once pressing, air deflector will turn 6℃. For normal operation and better cooling and heating effect, deflector will not turn to the degree which is the state of deflector when the unit is turned off (Only available when remote controller is used with corresponding unit.)

(7) Horiz Swing: Activate or turn off horizontal swing function. (Only available when remote controller is used with corresponding unit.)

(8) Vert Swing: Activate or turn off vertical swing function. (Only available when remote controller is used with corresponding unit.)

(9) Clock: Display the current time. (12:00 is displayed when resetting or electrifying for the first time.) Press CLOCK for 5s, icon indicating hour will flash with 0.5s. Press it again,▼and ▲are usedto adjust the figure. Setting or modification is effective onlyby pressing OK button to make confirmation.

(10) Time ON: For time ON setting. Once pressing this button, the time will increase by 0.5 hour. When the set time exceeds10 hours, pressing the button will increase the time by 1 hour. Adjusting the figure to 0.00 will cancel time ON setting.

(11) Time OFF: For time OFF setting. Once pressing this button, the time will increase by 0.5 hour. When the set time exceeds10 hours, pressing the button will increase the time by 1 hour. Adjust the figure to 0.00 will cancel time ON setting.

(12) Reset Button:(inner located): Press this button with a needle of 1mm to cancel the current setting and reset remote controller.

(13) Lock Button:(inner located): Press this button with a needle of 1mm to lock or unlock the current setting.

(14) OK: Used to confirm the time setting and modification.

(15) COOL/HEAT (inner located): Press this button with a needle of 1mm to shift mode between COOL only and COOL&HEAT.

During setting, backlight will be lightened. Factory default mode is COOL &HEAT.

(16) ECO Button: Activate or turn off economic operation mode. It is suggested to turn on this function when sleeping. (Only available when remote controller is used with corresponding unit.)

1.2.2 LCD display
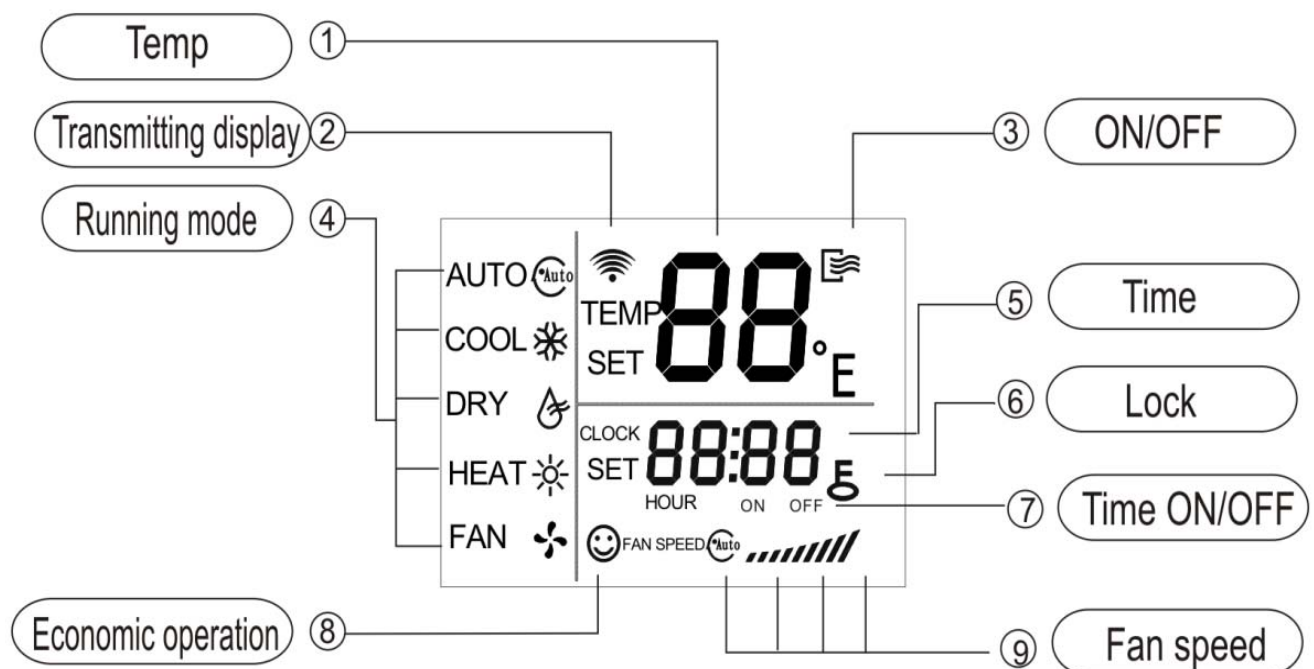
Note: RM05/BG(T)E-A is able to set the indoor units' addresses individually.

How to set address through Wireless Remote Controller RM05:

1) Press the LOCK button for more than 5 seconds, then the controller gets into address setting mode.

2) Then press the ON/OFF button to start transmitting signal in the address setting mode. When working in address setting mode, press ON/OFF will not turn the controller off.

3) In the address setting mode, there are 2 main functions:

Querying mode: Please point the remote controller to the indoor unit, then press MODE button, the corresponding indoor unit will display its address.

Setting mode: Use the UP and DOWN buttons to choose an address you want. Then point the remote controller to the indoor unit and then press the FAN button to set the indoor unit's address. The corresponding indoor unit will display the new address and record it. After about 4 seconds, this displaying will fade out and the indoor units turn to normal display mode.

4) After setting all the addresses, users can press the LOCK button for 5 seconds to exit the address setting mode.

1.3R51/E; R51C/BGE; R51D/E; R51I4/BGE

1.3.1 Parts name
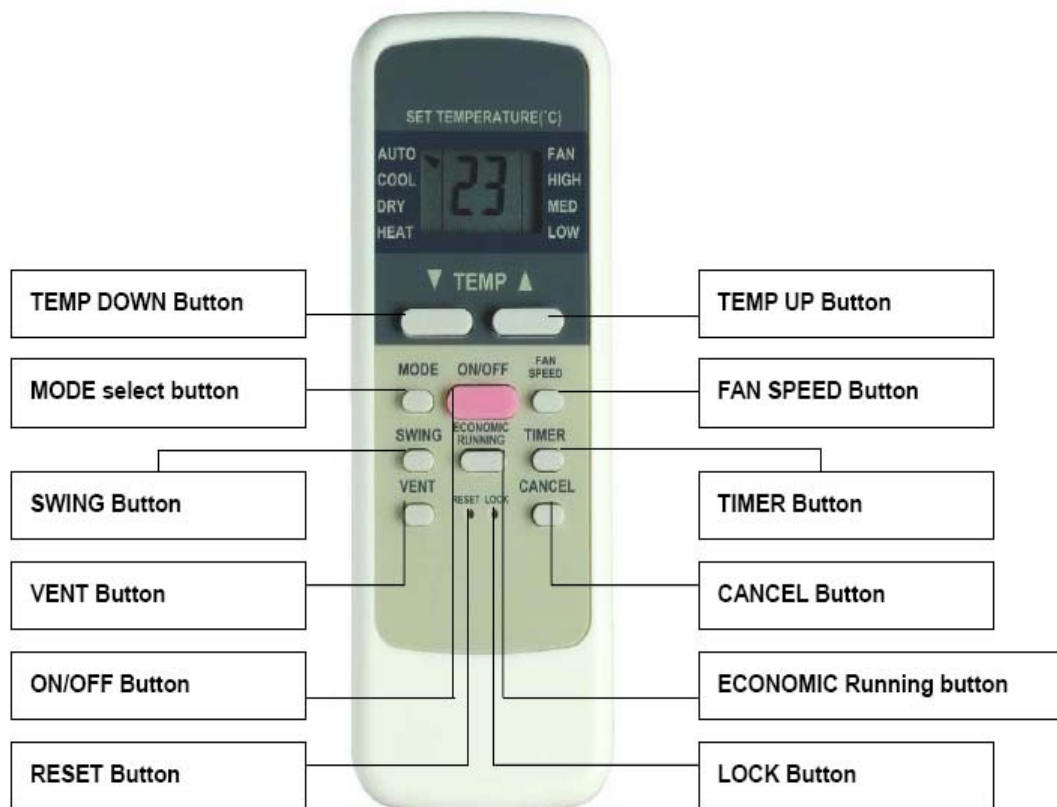
(1) TEMP DOWN Button: Press the TEMP DOWN button to decrease the indoor temperature setting or to adjust the timer in a counter-clockwise direction.

(2) Mode Select Button: Each time you press this button, a mode is selected in a sequence that goes from AUTO, COOL, DRY, HEAT and FAN as the following figure indicates:
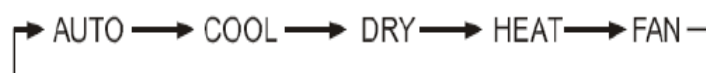
⚠**NOTE:** *HEAT only for Heat Pump*

(3) Swing Button: Press swing button to change the louver angle.

(4) Vent Button: Press this button to set the ventilating mode. The ventilating mode will operate in the following sequence:

$$\text{Continuous} \longrightarrow \text{Auto} \longrightarrow \text{Off}$$

Ventilation Function is available for the Fresh Star Series.

(5) ON/OFF Button: Press this button to start the unit operation. Press the button again to stop the unit operation.

(6) Reset Button: When press RESET button, all of the current settings are cancelled and the control will return to the initial settings.

(7) Temp UP Button: Press this button to increase the indoor temperature setting or to adjust the timer in a counter-clockwise direction.

(8) Fan Speed Button: This button is used for setting fan speed in the sequence that goes from AUTO, LOW, MED to HIGH, and then back to Auto.

(9) Timer Button: This button is used to preset the time ON (start to operate) and the time OFF (turn off the operation).

(10) Cancel Button: Press this button to cancel the TIMER settings.

(11) Economic Running Button: Press this button to go into the Energy-Saving operation mode.

(12) Lock Button: Press this button to lock in all the current settings. To release settings, Press again.

1.3.2 LCD display
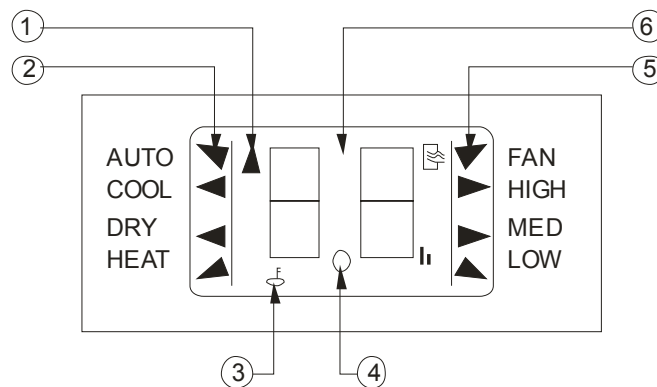
①Transmitting display; ②Mode display; ③Lock display; ④Timer display;
⑤Fan speed display; ⑥Digital display area (it will show the temperature, but if in the TIMER mode, it will show the setting time).

1.4 R06/BGE, R06/BGCE

The R06/BGE function is the same as R05/BGE, and only the appearance is different.

1. Operating Mode: AUTO, COOL, HEAT, DRY, and FAN.

2. Timer Setting Function in 24 hours.

3. Indoor Setting Temperature Range: 17℃~30℃.

4. LCD (Liquid Crystal Display) of all functions.

Model	R06(A)/BG(C)E
Rated Voltage	3.0V(Alkaline dry batteries LR03×2)
Lowest Voltage of CPU Emitting Signal	2.0 V
Transmission Distance	8m(when using 3.0 voltage, it gets 11m)
Environment	-5℃ to 60℃

1.4.1 Buttons and functions description

NOTE: ⋆ symbol indicates optional button.
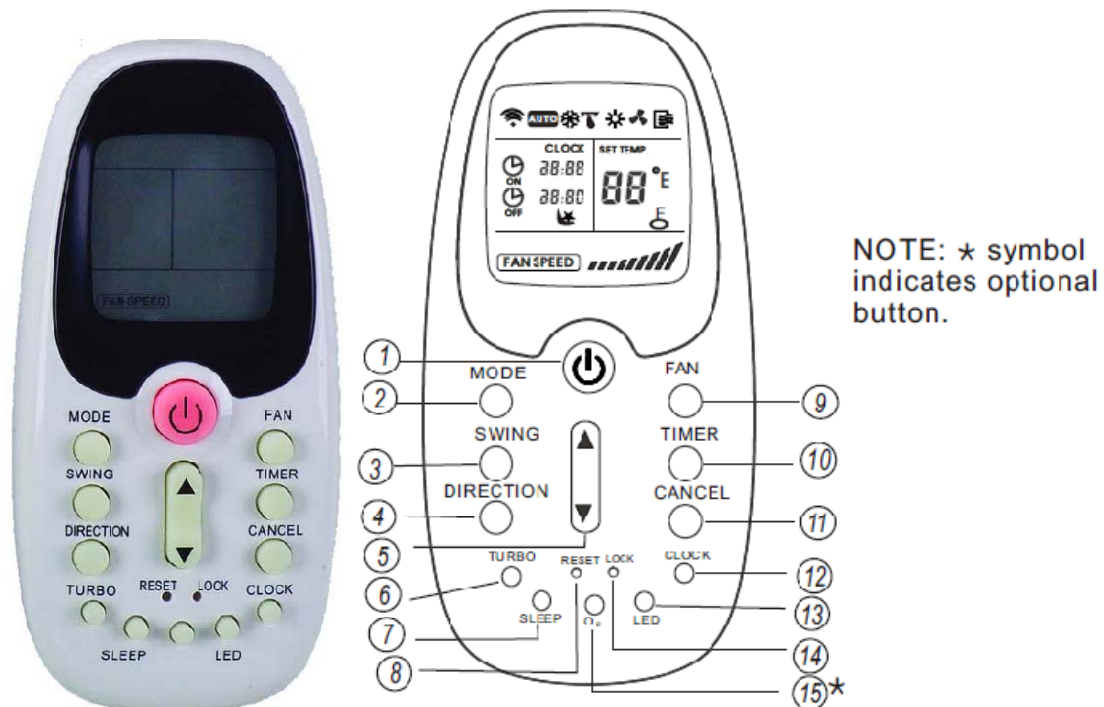
（**1**）**ON/OFF Button:** Press this button to start operation, Press the button again to stop operation.

（**2**）**Mode Button:** Each time you Press the button, a mode is selected in a sequence that goes from AUTO, COOL, DRY, HEAT and FAN.NOTE: COOL only model has no HEAT feature.

（**3**）**Swing Button:** Press the button, the louver would swing up and down automatically. Press it again to stop.

（**4**）**Direction Button:** Press this button to change the swing angle of the louver. The swing angle of the louver is 6°for each press. When the louver swing at a certain angle which would affect the cooling and heating effect of the air conditioner, it would automatically change the swing direction. No symbol will appear in the display area when press this button.

（**5**）**Temp Adjust Button:** Press▲button to increase the indoor temperature setting or to adjust the TIMER in a clockwise direction. Press ▼ button to decrease the indoor temperature setting or to adjust the TIMER in a counter-clockwise direction.

（**6**）**Turbo Button:** Press this button on COOL mode, the air conditioner goes into powerful cooling operation. Press again to cancel the TURBO function.

（**7**）**Sleep Button:** Press this button to go into the Energy-Saving operation mode. Press it again to cancel. This function is only can be used on COOL, HEAT and AUTO mode and maintain the most comfortable temperature for you.

　　Note: When the unit is running under the SLEEP operation mode, it will be canceled if you press the other button.

（**8**）**Reset Button:** When you press the recessed RESET button, all current settings are cancelled and the control will return to the initial settings.

（**9**）**Fan Button:** Use to select the Fan Speed in four steps AUTO, LOW, MED or HIGH. Each time the button is pressed, the fan speed mode is shifted.
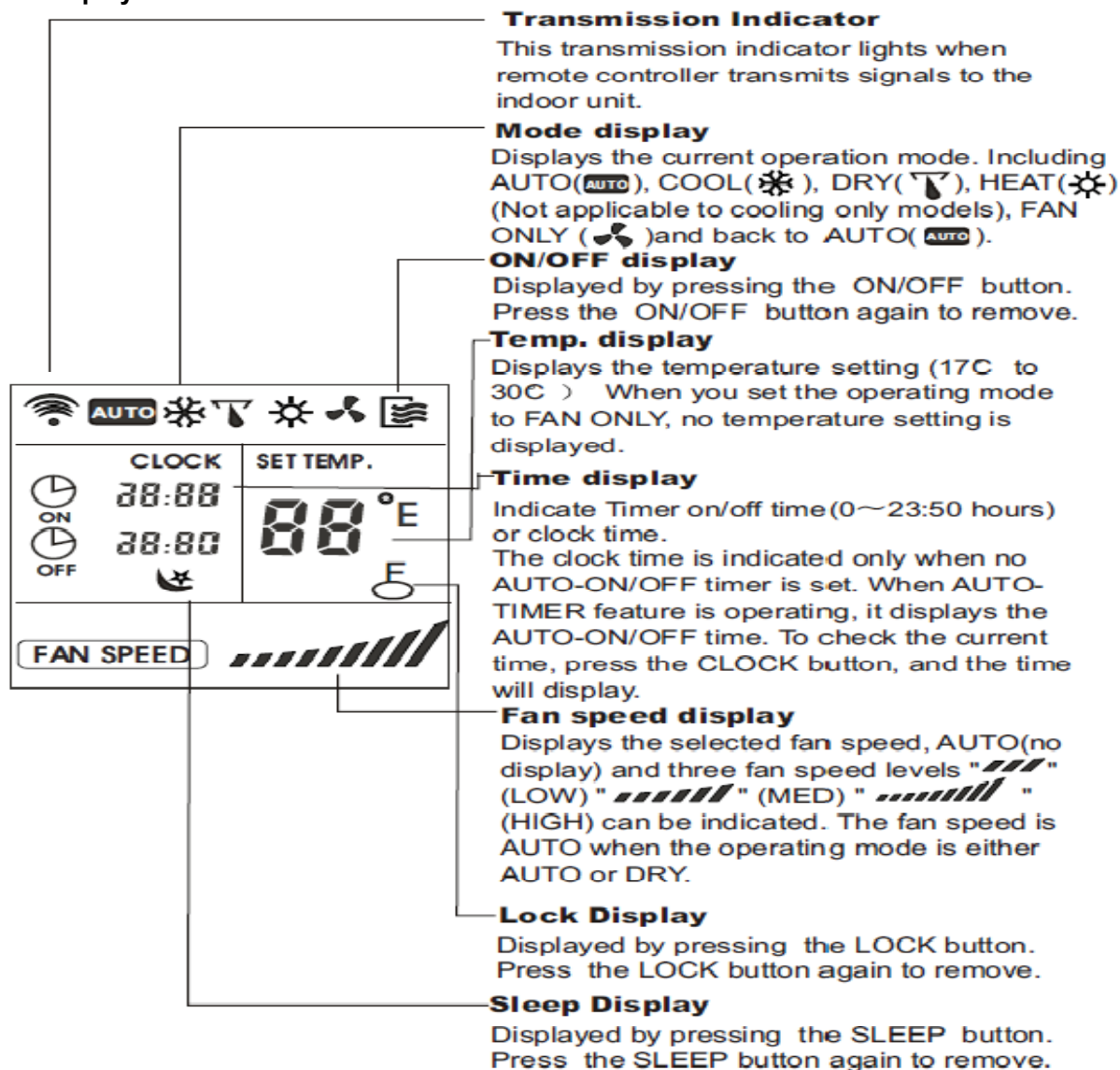
（**10**）**Timer Button:** This button is used to preset the time ON (start to operate) and the time OFF (turn off the operation).

（**11**）**Cancel Button:** Press this button to cancel the TIMER ON/OFF settings.

（**12**）**Clock Button:** Use to set the time.

（**13**）**LED Button:** Press this button to clear the digit display in the air conditioner, press it again to activate digit display in the air conditioner.

（**14**）**Lock Button:** When you press the LOCK button, all current settings are locked in and the remote controller does not accept any operation except that of the LOCK. Press again to cancel the LOCK mode.

（**15**）**O$_2$ Button (optional):**Press this button to activate the oxygen generating mechanism, and the oxygen density of indoor varies. Press again to stop the function.

1.4.2 LCD display indications

Transmission Indicator
This transmission indicator lights when remote controller transmits signals to the indoor unit.

Mode display
Displays the current operation mode. Including AUTO(AUTO), COOL(❄), DRY( ), HEAT(☀) (Not applicable to cooling only models), FAN ONLY ( ) and back to AUTO(AUTO).

ON/OFF display
Displayed by pressing the ON/OFF button. Press the ON/OFF button again to remove.

Temp. display
Displays the temperature setting (17C to 30C) When you set the operating mode to FAN ONLY, no temperature setting is displayed.

Time display
Indicate Timer on/off time (0～23:50 hours) or clock time.
The clock time is indicated only when no AUTO-ON/OFF timer is set. When AUTO-TIMER feature is operating, it displays the AUTO-ON/OFF time. To check the current time, press the CLOCK button, and the time will display.

Fan speed display
Displays the selected fan speed, AUTO(no display) and three fan speed levels " " (LOW) " " (MED) " " (HIGH) can be indicated. The fan speed is AUTO when the operating mode is either AUTO or DRY.

Lock Display
Displayed by pressing the LOCK button. Press the LOCK button again to remove.

Sleep Display
Displayed by pressing the SLEEP button. Press the SLEEP button again to remove.

Note:
All displays on the remote controller are shown for illustration purposes only.

1.5 R71A/E

Based on R51C, button quantities reduce, but functions increase.

1. Operating Mode: COOL HEAT DRY FAN only and AUTO.

2. Timer Setting Function in 24 hours.

3. Indoor Setting Temperature Range: 17℃~30℃.

4. LCD (Liquid Crystal Display) of functions.

1.5.1 Parts name
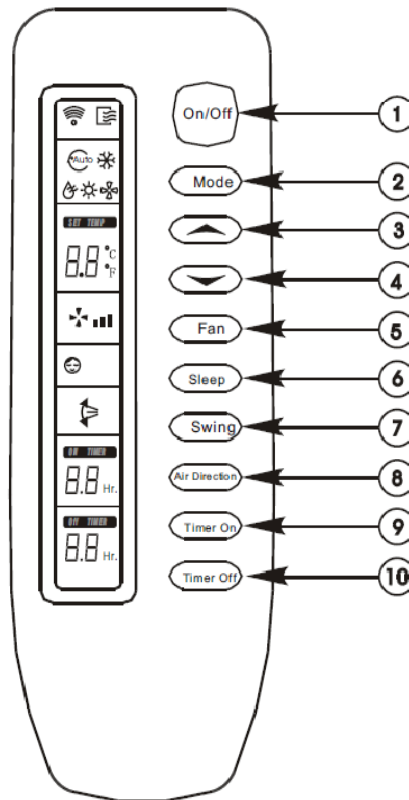
(1) On/off Button: Press this button to start the unit, Press again to stop the unit.

**(2) Mode Button:** The mode is selected in a sequence as the following figure indicates

$$\rightarrow AUTO \longrightarrow COOL \longrightarrow DRY \longrightarrow HEAT \longrightarrow FAN \rightarrow$$

(3) ▲ Button: Press the button to increase the indoor temperature to 30℃.

(4) ▼ Button: Press the button to decrease the indoor temperature to 17℃.

(5) Fan Button: The fan speed is selected in a sequence that goes from AUTO、LOW 、MED to HIGH, then back to Auto. When you select the AUTO or DRY mode, the fan speed will be automatic and you cannot set the fan speed.

(6) Sleep/Turbo Button: When you press the button, the operation mode is selected in a sequence as the following figure indicates. But this function cannot be used in DRY and FAN-only mode.

$$\rightarrow SLEEP \longrightarrow SLEEP\ OFF \longrightarrow TURBO \longrightarrow TURBO\ OFF \rightarrow$$
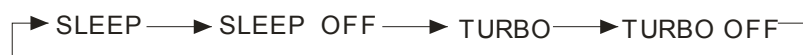
(7) Swing Button: Press the SWING button to activate the swing function, Press it again to stop.

(8) Air direction Button: Press this button to change the swing angle of the louver. The swing angle of the louver is 6º for each press. When the louver swings at a certain angle, it would automatically change the swing direction. No symbol will appear in the display area when press this button.

(9) Timer on Button: Press this button to initiate the auto-on time. Each press will increase the auto-on time in 30minutes increments. When the setting time displays 10Hr, each press will increase the auto-on time in 60 minutes increments. To cancel the auto-on time program, continue pressing the button until nothing displays.

(10) Timer off Button: Press this button to initiate the auto-off time. Each press will increase the auto-off time in 30minutes increments. When the setting time displays 10Hr, each press will increase the auto-off time in 60 minutes increments. To cancel the auto-off time program, continue pressing the button until nothing displays.

1.5.2 LCD display
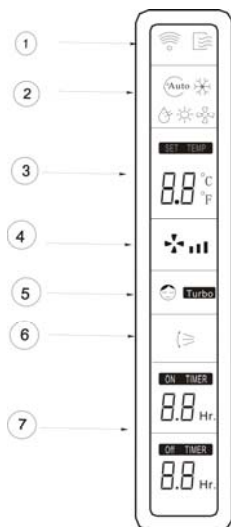
(1) Transmission Indicator: This indicator lights when remote controller transmits signals to indoor unit.

(2) Mode indicator: Displays the current operation modes. Including AUTO (☺), COOL (❅), DRY (♨), HEAT (❆) or FAN (❋). HEAT is only available for heat pump model.

(3) Temperature Indicator: Displays the temperature settings(17℃ to 30℃).

(4) Fan Speed Indicator: Displays the selected fan speed, AUTO (✢) and three fan speed levels LOW (✢ı), MED (✢ıı), HIGH (✢ııı). It will display ✢ ııı(flashing) when the operating mode is either AUTO or DRY.

(5) Sleep/Turbo Indicator: Each time the Sleep/Turbo button is Pressed, the signal displays in the following sequence, nothing will appear when the operating mode is DRY or FAN-only.

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┌──► ☺ ──► Nothing ──► Turbo ──► Nothing┐
```

(6) Swing Indicator: This indicator lights up when the SWING button is pressed.

(7) Timer Indicator: The time set for timer operation is indicated (0.5 ~ 24 hours)

Note: All items are shown in the figure for the purpose of clear presentation, but during the actual operation only the relative functional items are shown on the display panel.

1.6 R11HG/E

1.6.1 Parts name
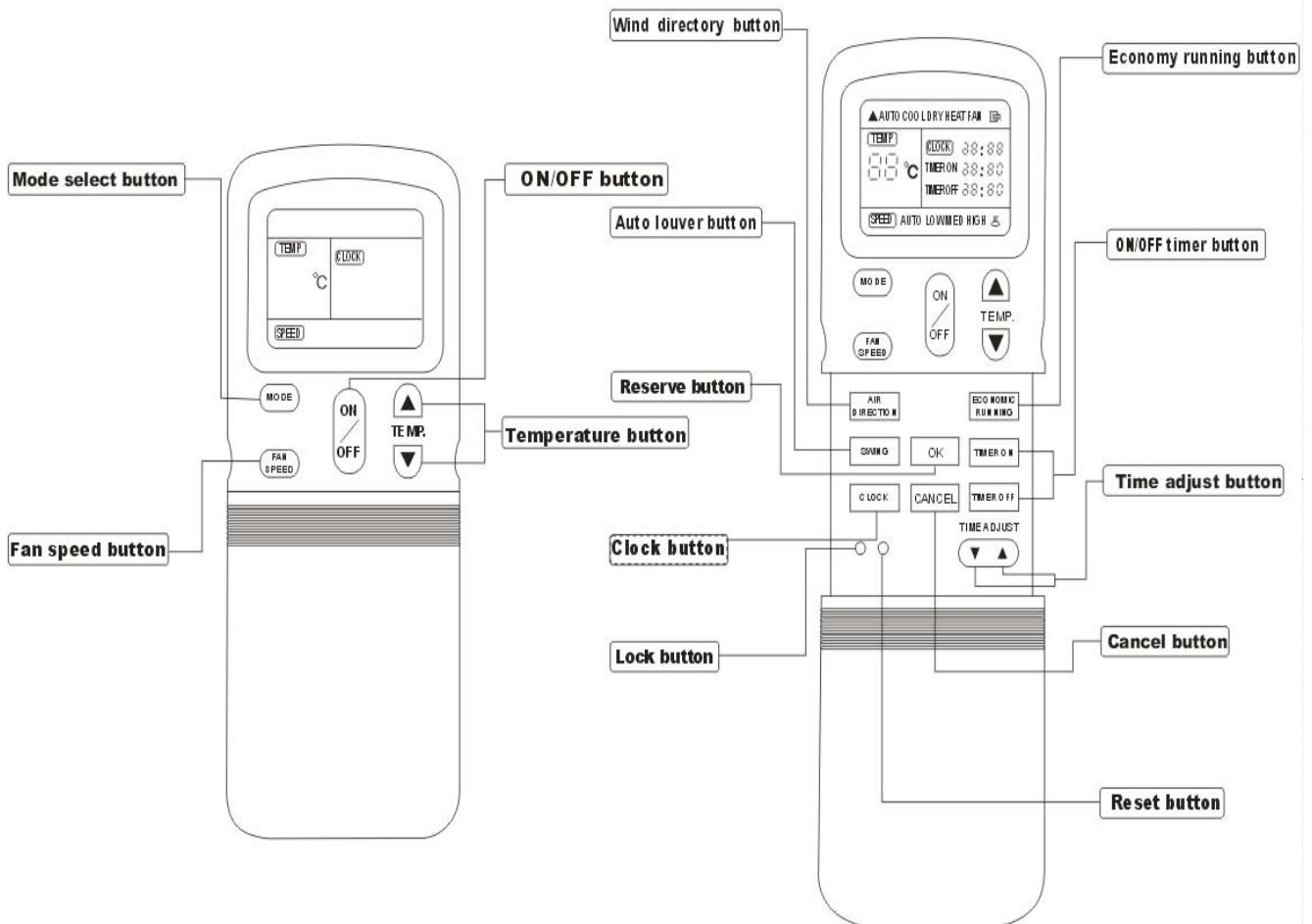
1.6.2 Buttons and functions Descriptions

(1) Mode Select Button: Each time you press MODE button, a mode is selected in a sequence that goes from AUTO, COOL, DRY, HEAT (cooling only type without), FAN ONLY and back to AUTO.

(2)Fan Speed Button: This button is used for selecting fan speed. Each time you Press the button, a fan speed is selected in a sequence that goes from AUTO, LOW, MED, HIGH, and back to AUTO.

ON/OFF button: Press the button to start operation, Press the button again to stop operation.

(3)Temperature Button: To adjust the temperature, ranging from 17 to 30 degree.

Wind directory button: Press this button to change the swing angle of louver. (This is not available for the unit without this function.)

(4)Auto Louver Button: Press this button to swing louver. Press the button again to stop.

(5)Clock Button: Press this button to set the time.

(6)Reserve Button: This key is used for confirming the timer settings.

(7)Cancel Button: Pressing this key will lead to ON Timer and OFF Timer canceling.

(8)Economy Running Button: Press this key to start the indoor units' economic mode.

(9)ON/OFF Timer: Press ON timer to start the setting of ON timer. Press OFF timer to start the setting of OFF timer.

(10)Timer Adjust Button: Adjust the time when setting current time or setting timer.

(11)Lock Button: This button is used to prevent other keys from functioning. Press this key again to cancel lock function.

(12)Reset Button: When you Press the RESET button, all current settings are cancelled and get into the condition of beginning. In the clock, the colon in "0:00" will flash, the mode displays "AUTO", fan speed displays "AUTO" the temperature displays "24".