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NOTES:

The design and specifications are subject to change without prior notice for product improvement. Consult with the sales agency or manufacturer for details.

Thank you very much for purchasing our air conditioner. Please read this owner's manual carefully before using your air conditioner. Make sure to save this manual for future reference.

REMOTE CONTROLLER SPECIFICATIONS

Model	RG10N2 (D2S)/BGEF RG10N2 (D2S)/BGEFU1
Rated voltage	3.0V (Dry batteries R03/LR03X 2)
Signal Receiving Range	8m
Environment	-5°C 60°C

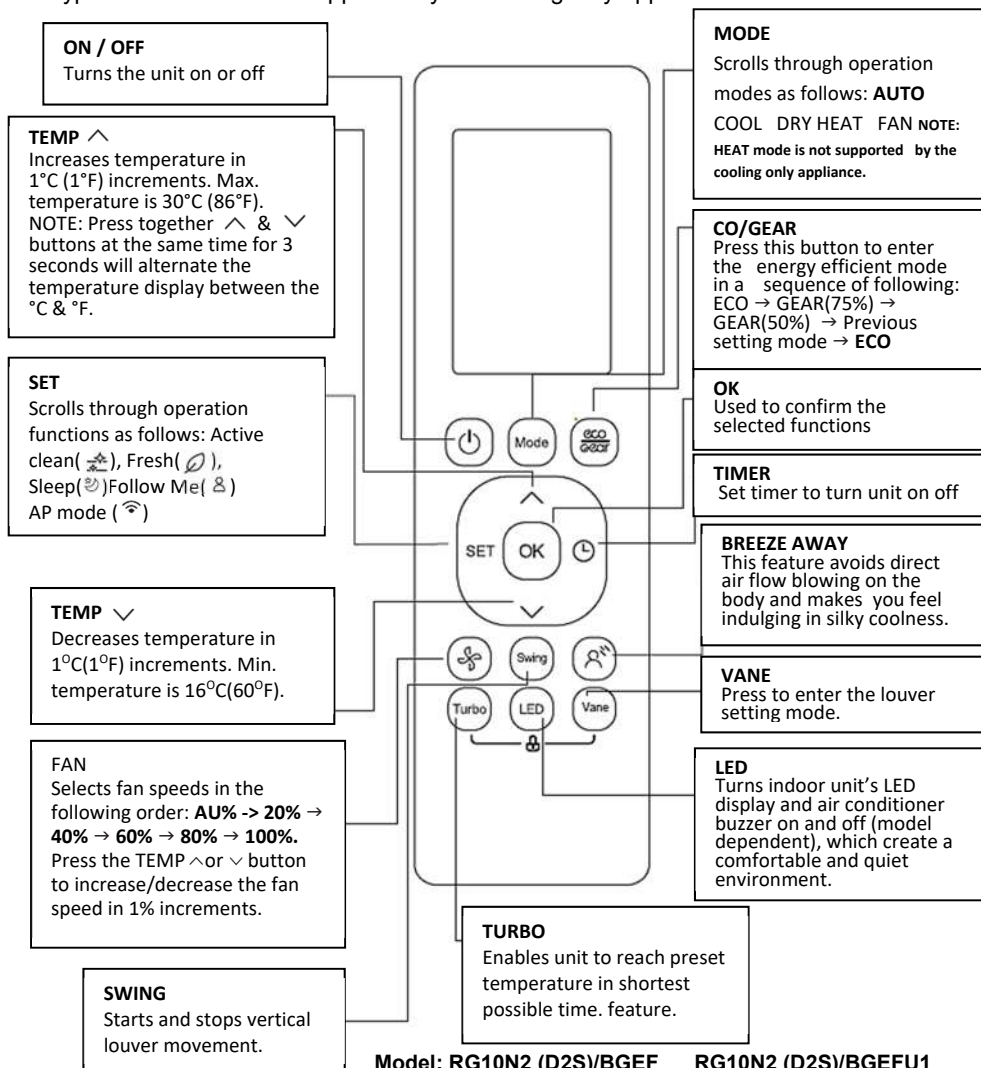
NOTE:

- 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 has no this feature, there is no corresponding operation happened when press 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.

FUNCTION BUTTONS

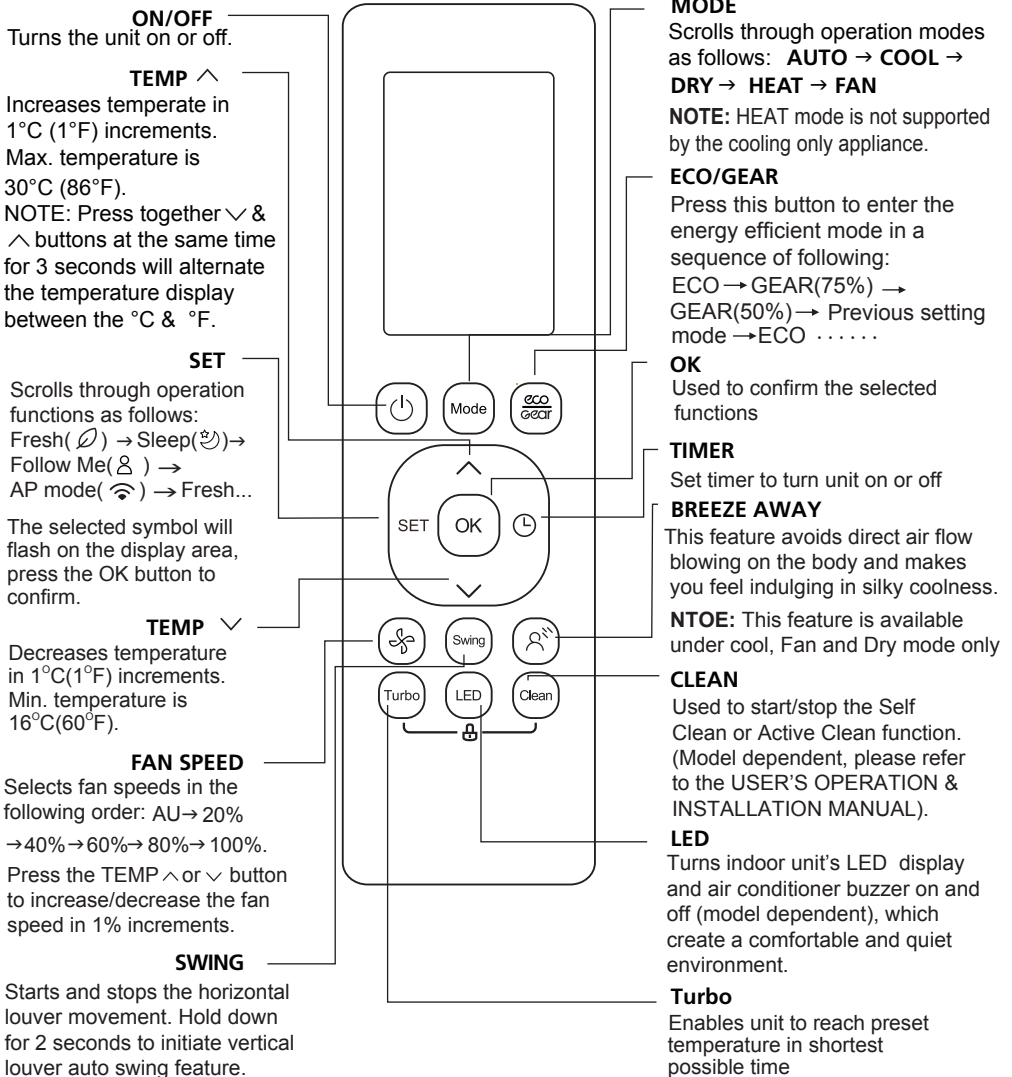
Before you begin using your new air conditioner, make sure to familiarize yourself with its remote control. The following is a brief introduction to the remote control itself. For instructions on how to operate your air conditioner, refer to the **How to Use the Basic/Advance Functions** section of this manual.

NOTE Please do not select HEAT mode if the machine you purchased is cooling only type. Heat mode is not supported by the cooling only appliance.



Buttons and Functions

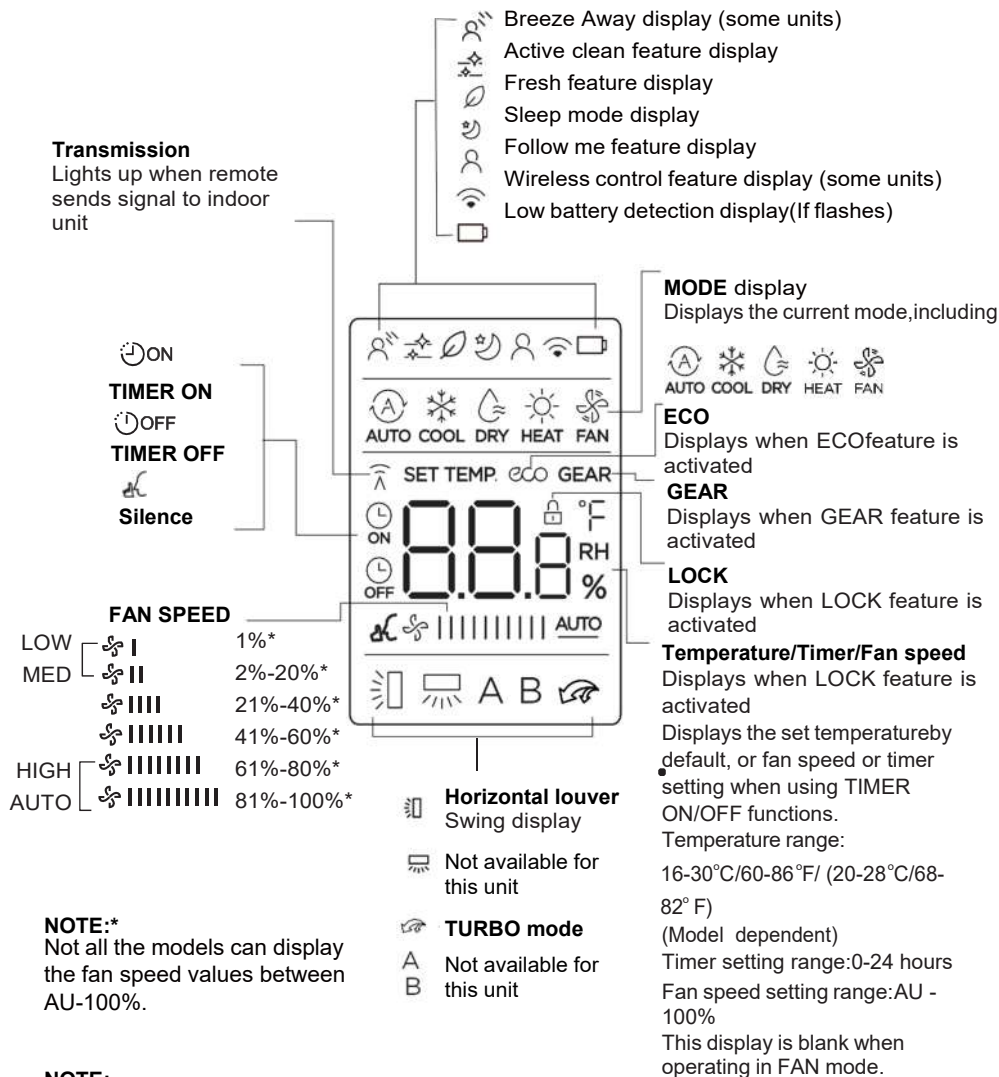
Before you begin using your new air conditioner, make sure to familiarize yourself with its remote control. The following is a brief introduction to the remote control itself. For instructions on how to operate your air conditioner, refer to the **How to Use Basic Functions** section of this manual.



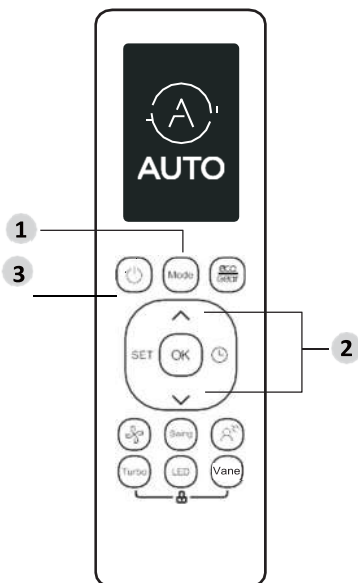
Model: RG10A2(D2S)/BGEFU1, RG10Y2(D2S)/BGEF
RG10A10(D2S)/BGEF(20-28°C/68-82°F)
RG10A(D2S)/BGEF & RG10A(D2S)/BGEFU1(Fresh feature is not available)
RG10A2(D2S)/BGCEFU1 & RG10A2(D2S)/BGCEF
(Cooling only models, AUTO mode and HEAT mode are not available)

Remote screen Indicators

Information is displayed when remote controllers i powered up



HOW TO USE THE BASIC FUNCTIONS



SETTING TEMPERATURE

The operating temperature range for units is 16-30°C/60-86°F. You can increase or decrease the set temperature in 0.5°C/1°F increments.

AUTO operation

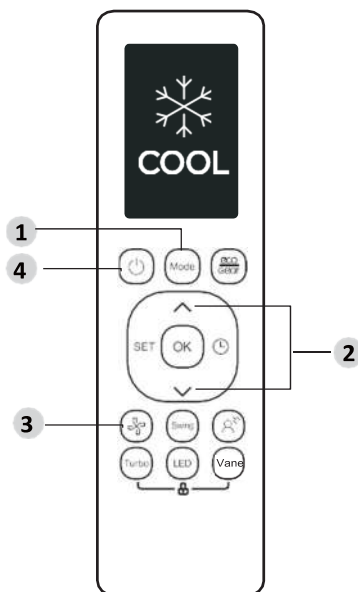
In **AUTO** mode, the unit will automatically select the COOL, FAN, HEAT or DRY mode based on the set temperature.

1. Press the **MODE** button to select Auto mode.
2. Set your desired temperature using the **Temp +** or **Temp -** button.
3. Press the **ON/OFF** button to start the unit.

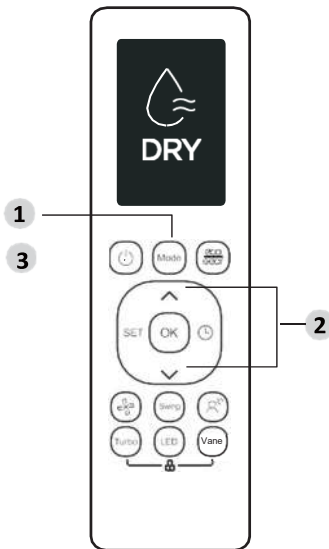
NOTE: FAN SPEED can't be set in Auto mode.

COOL OPERATION

1. Press the **MODE** button to select **COOL** mode.
2. Set your desired temperature using the **Temp +** or **Temp -** button.
3. Press the **FAN** button to select the fan speed, in conjunction with **Temp +** or **Temp -** button.
4. Press the **ON/OFF** button to start the unit.



HOW TO USE THE BASIC FUNCTIONS



DRY OPERATION (DEHUMIDIFYING)

1. Press the **MODE** button to select **DRY** mode.
2. Set your desired temperature using the **Temp +** or **Temp —** button.
3. Press the **ON/OFF** button to start the unit.

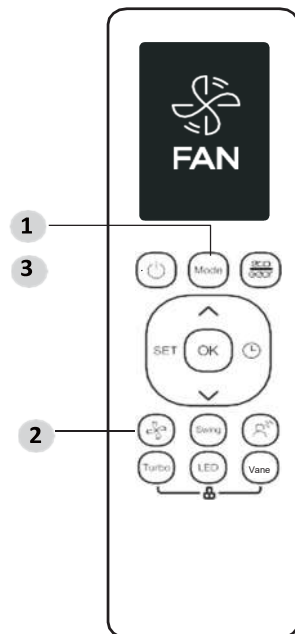
NOTE: FAN SPEED can't be changed in DRY mode.

NOTE: FAN SPEED can't be changed in **DRY** mode.

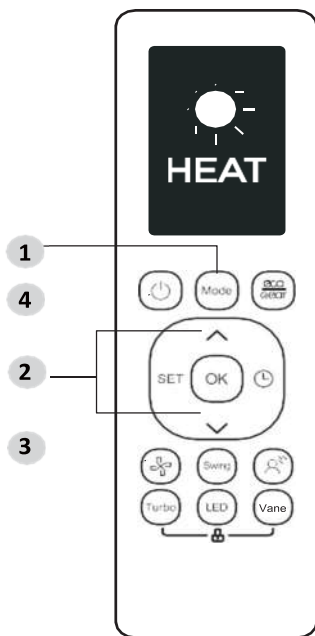
FAN operation

1. Press the **MODE** button to select FAN mode.
2. Press the **FAN** button to select the fan speed , in conjunction with **Temp +** or **Temp —** button.
3. Press the **ON/OFF** button to start the unit.

NOTE: You can't set temperature in FAN mode. As a result, your remote control's LCD screen will not display temperature.



HOW TO USE THE BASIC FUNCTIONS



HEAT OPERATION

1. Press the **MODE** button to select **HEAT** mode.
2. Set your desired temperature using the **Temp +** or **Temp -** button.
3. Press the **FAN** button to select the fan speed in a range of Au%-F%, in conjunction with **Temp +** or **Temp -** button.
4. Press the **ON/OFF** button to start the unit.

NOTE: As outdoor temperature drops, the performance of your unit's HEAT function may be affected. In such instances, we recommend using this air conditioner in conjunction with other heating appliance.

SET THE ANGLE OF AIR FLOW

When the unit is on, press the swing ▲▼ button, to activate the louver. Each time you press the button, it will adjust the louver by 6°. Press the button until the direction you prefer is reached. If press and hold this button for more than 2 seconds, the louver will swing up and down continuously.

When the unit is on, press the swing ◀▶ button, to activate the louver. Each time you press the button, it will adjust the louver by 6°. Press the button until the direction you prefer is reached. If press and hold this button for more than 2 seconds, the louver will swing left and right continuously.

SETTING THE TIMER FUNCTION

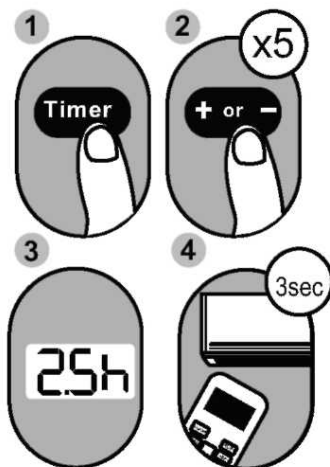
Your air conditioning unit has two timer-related functions:

- **TIMER ON** - sets the amount of timer after which the unit will automatically turn on.
- **TIMER OFF** - sets the amount of time after which the unit will automatically turn off.

TIMER ON function

The TIMER ON function allows you to set a period of time after which the unit will automatically turn on, such as when you come home from work.

1. Press the **Timer** button, the Timer on indicator "⌚" displays and flashes. By default, the last time period that you set and an "h" (indicating hours) will appear on the display.
2. **Note:** This number indicates the amount of time after the current time that you want the unit to turn on. For example, if you set TIMER ON for 2.5 hours, "2.5h" will appear on the screen, and the unit will turn on after 2.5 hours.
3. Press the **Temp +** or **Temp -** button repeatedly to set the time when you want the unit to turn on.
4. Wait 3 seconds, then the TIMER ON function will be activated. The digital display on your remote control will then return to the temperature display. The "⌚ON" indicator remains on and this function is activated.



Example: Setting unit to turn on after 2.5 hours.

TIMER OFF function

The TIMER OFF function allows you to set a period of time after which the unit will automatically turn off, such as when you wake up.

1. Press the **Timer** button, the Timer off indicator "  " displays and flashes. By default, the last time period that you set and an "h" (indicating hours) will appear on the display.

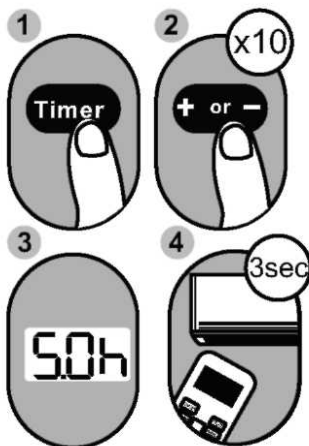
Note: This number indicates the amount of time after the current time that you want the unit to turn off. For example, if you set TIMER OFF for 5 hours, " 5.0h " will appear on the screen, and the unit will turn on after 5 hours.

2. Press the Temp + or Temp — button repeatedly to set the time when you want the unit to turn on.

Wait 3 seconds, then the TIMER OFF function will be activated. The digital display on your remote control will then return to the temperature display.

The "  " indicator remains on and this function is activated.

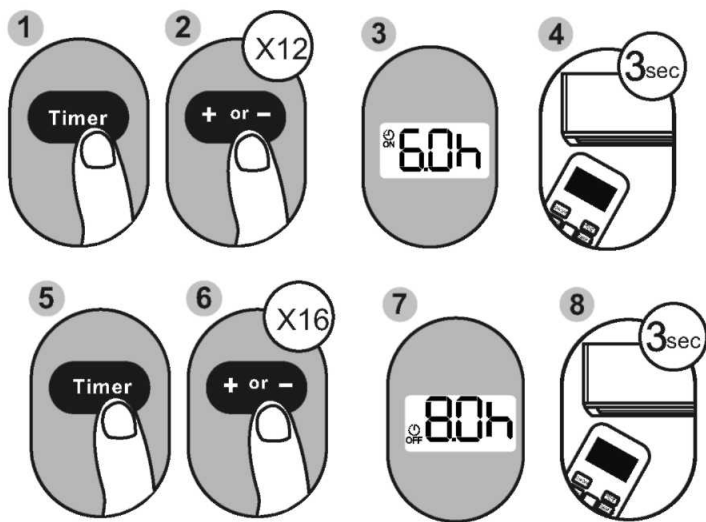
NOTE: When setting the TIMER ON or TIMER OFF functions, up to 10 hours, the time will increase in 30 minute increments with each press. After 10 hours and up to 24, it will increase in 1 hour increments. The timer will revert to zero after 24 hours. You can turn off either function by setting its timer to " 0.0h " .



Example: Setting unit to turn off after 5 hours

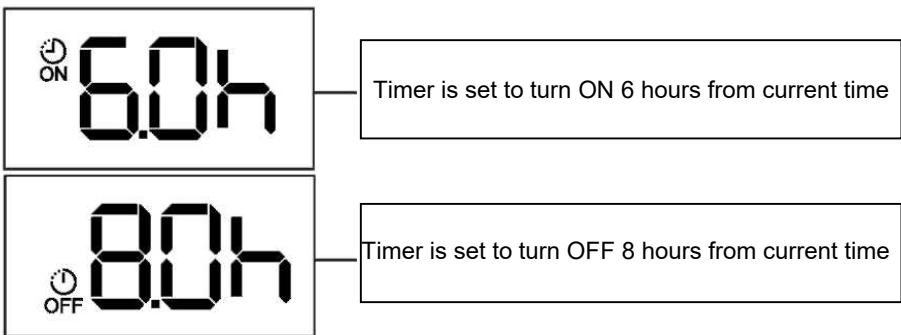
Setting both **TIMER ON** and **TIMER OFF** at the same time

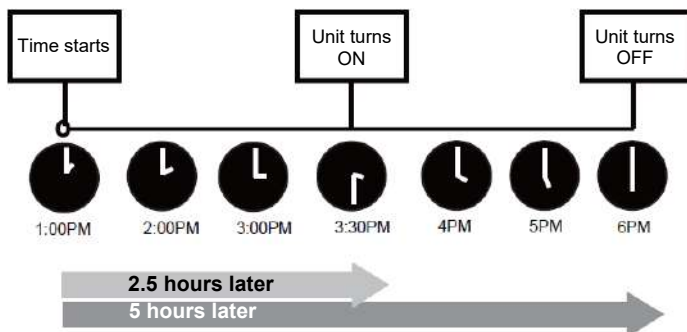
Keep in mind that the time periods you set for both functions refer to hours after the current time. For example, say that the current time is 1:00 PM, and you want the unit to turn on automatically at 7:00 PM. You want it to operate for 2 hours, then automatically turn off at 9:00 PM. Do the following:



Example: Setting the unit to turn on after 6 hours, operate for 2 hours, then turn off (see the figure below)

Your remote display

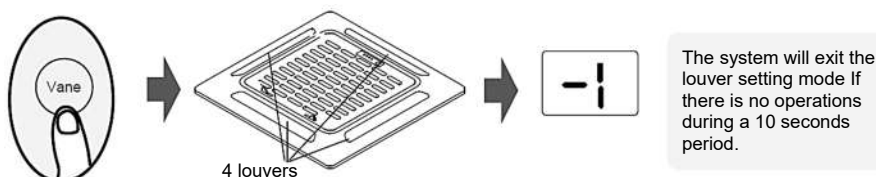




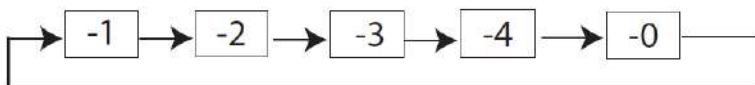
Example: If current timer is 1:00PM, to set the timer as above steps, the unit will turn on 2.5h later (3:30PM) and turn off at 6:00PM.

HOW TO USE THE ADVANCED FUNCTIONS

Vane function

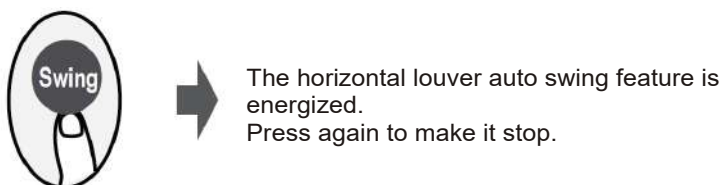


Press this button to activate the louver setting feature. Each time you press the Vane button, the display panel will display the selected louver in an order as ('-0' indicates that four louvers are all selected):



Press Swing button to start/stop the auto swing feature of the selected louvers.

Swing function



LED display



Press LED button

Press this button to turn on and turn off the display on the indoor unit.



Press this button more than 5 seconds(some units)

Keep pressing this button more than 5 seconds, the indoor unit will display the actual room temperature. Press more than 5 seconds again will revert back to display the setting temperature.

ECO/GEAR function



Press this button to enter the energy efficient mode in a sequence of following:
ECO → GEAR(75%) → GEAR(50%) → Previous setting mode → ECO

Note: This function is only available under COOL mode.

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.

Note:

Pressing ECO button, or modifying the mode or adjusting the set temperature to less than 24°C / 75°F will stop ECO operation. Under ECO operation, the set temperature should be 24°C/75°F or above, it may result in insufficient cooling if you feel uncomfortable, just press the ECO button again to stop it.

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.

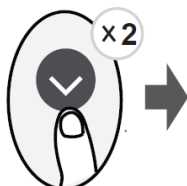
Silence function:



Keep pressing Fan button for more than 2 seconds to activate/disable Silence function(some units). Due to low frequency operation of compressor, it may result in insufficient cooling and heating capacity. Press ON/OFF, Mode, Sleep, Turbo or Clean button while operating will cancel silence function.

FP function

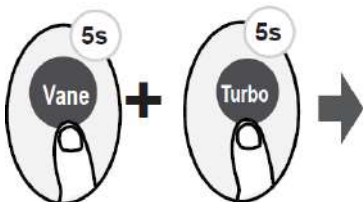
Press this button 2 times during one second under HEAT Mode and setting temperature of 16°C/60°F



The unit will operate at high fan speed (while compressor on) with temperature automatically set to 8 C/46 F.

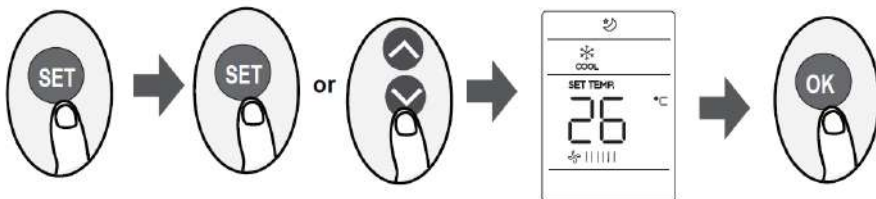
Note: This function is for heat pump air conditioner only. Press this button 2 times during one second under HEAT Mode and setting temperature of 16°C/60°F to activate FP function. Press On/Off, Sleep, Mode, Fan and Temp. button while operating will cancel this function.

LOCK function



Press together **Vane** button and **Turbo** button at the same time more than 5 seconds to activate Lock function. All buttons will not response except pressing these two buttons for two seconds again to disable locking.

SET function



- Press the SET button to enter the function setting, then press SET button or TEMP ▼ or TEMP ▲ button to select the desired function. The selected symbol will flash on the display area, press the OK button to confirm.
- To cancel the selected function, just perform the same procedures as above.
- Press the SET button to scroll through operation functions as follows:

Active clean () → Fresh* () → Sleep () → Follow Me () → AP mode* () → Active clean....

[*]: Some units

Active clean function()

(some units) :

The Active Clean Technology washes away dust, mold, and grease that may cause odors when it adheres to the heat exchanger by automatically freezing and then rapidly thawing the frost. When this function is turned on, the indoor unit display window appears "CL", after 20 to 45 minutes, the unit will turn off automatically and cancel CLEAN function.

FRESH function () (some units):

When the FRESH function is initiated, the ion generator is energized and will help to purify the air in the room.

Sleep function() :

The SLEEP function is used to decrease energy use while you sleep (and don't need the same temperature settings to stay comfortable). This function can only be activated via remote control. For the detail, see sleep operation in "USER'S MANUAL"

Note: The SLEEP function is not available in FAN or DRY mode

Follow me function():

The FOLLOW ME function enables the remote control to measure the temperature at its current location and send this signal to the air conditioner every 3 minutes interval. When using AUTO, COOL or HEAT modes, measuring ambient temperature from the remote control (instead of from the indoor unit itself) will enable the air conditioner to optimize the temperature around you and ensure maximum comfort.

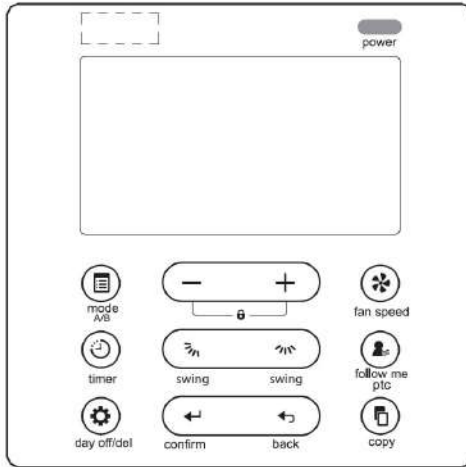
NOTE: Press and hold Turbo button for seven seconds to start/stop memory feature of Follow Me function.

- If the memory feature is activated, "On" displays for 3 seconds on the screen.
- If the memory feature is stopped, "OF" displays for 3 seconds on the screen.
- While the memory feature is activated, press the ON/OFF button, shift the mode or power failure will not cancel the Follow me function.

AP function() (some units)

Choose AP mode to do wireless network configuration. For some units, it doesn't work by pressing the SET button. To enter the AP mode, continuously press the LED button seven times in 10 seconds.

1. FEATURES AND FUNCTIONS OF WIRED CONTROLLER



Dimension:
H×W×D(mm) 122×120×18.5

Feature:

Malfunction code display:
it can display the error code, helpful for service.

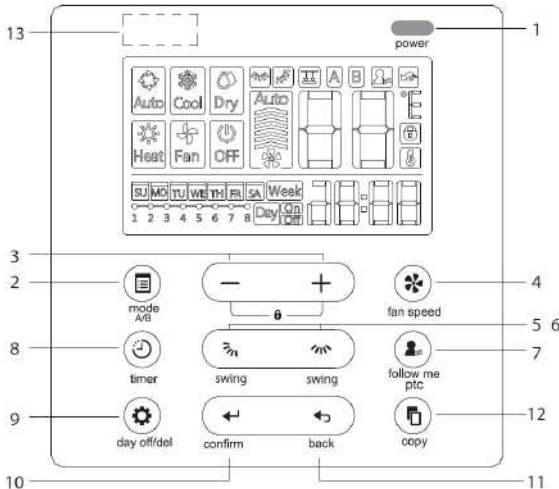
4-way wire layout design, no raised part at backside, more convenient to place the wires and install the device. Room temperature display.

Weekly Timer.

Function:

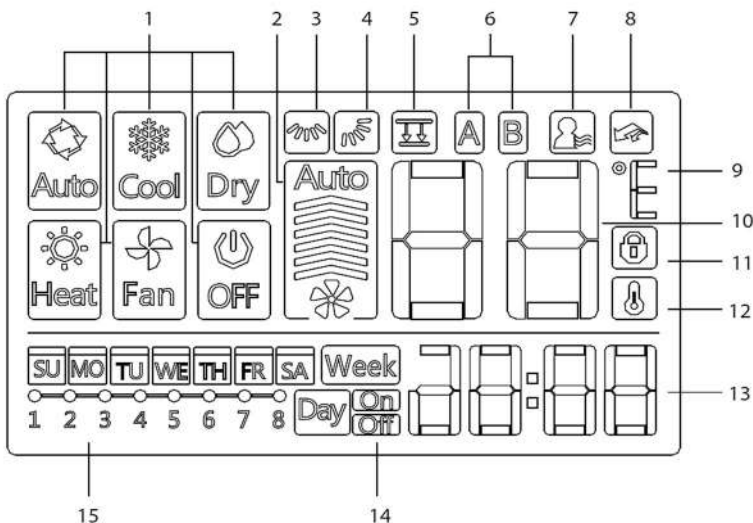
Mode: choose Auto-Cool-Dry- Heat-Fan
Fan speed: Auto/Low/Med/High speed
Vertical swing & Horizontal swing (on some models), Timer ON/OFF, Temp. Setting, Weekly timer, Follow Me, Child Lock, PTC heater (on some models)
LCD display, Clock, Infrared remote receiver (on some models), Lifting panel (on some models)

2. WIRE CONTROLLER BUTTON MEANING



1. Power Button
2. Mode(A/B) Button
3. Adjust Button
4. Fan speed Button
5. Up-down Airflow Direction and Swing Button
6. Left-right Airflow Swing Button
7. Follow me(PTC) Button
8. Timer Button
9. Day off(Del) Button
10. Confirm Button
11. Back Button
12. Copy Button
13. Infrared remote receiver (on some models)

3. WIRE CONTROLLER ICON MEANING



1. Operation mode indication
2. Fan speed indication
3. Left-right swing indication
4. Up-down swing indication
5. Faceplate function indication
6. Main unit and secondary unit indication
7. Follow me function indication

8. PTC function indication
9. C° / F° indication
10. Temperature display
11. Lock indication
12. Room temperature indication
13. Clock display
14. On/Off timer
15. Timer display

4. PREPARATORY OPERATION

Set the current day and time



- 1** Press the Timer button for 3 seconds or more. The timer display will flash.



- 2** Press the button "+" or "-" to set the date. The selected date will flash.



- 3** The date setting is finished and the time setting is prepared after pressing Timer button or there is no pressing button in 10 seconds.



4



The date setting is finished and the time setting is prepared after pressing Timer button or there is no pressing button in 10 seconds.



5

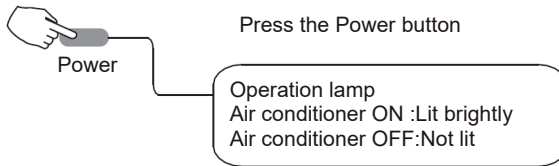
The setting is done after pressing Timer button or there is no pressing button in 10 seconds.

5. OPERATION

Remote signal receiving function

The wired remote controller can be a remote signal receiving device, you can use the wireless remote controller to control the air-conditioner through the wired remote controller when the system have been powered on.

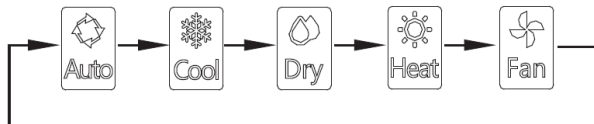
To start/stop operation



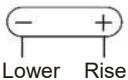
To set the operation mode Operation mode setting



Press the Mode button to set the operation mode.(Heat function is invalid for cool only type unit)



Room temperature setting

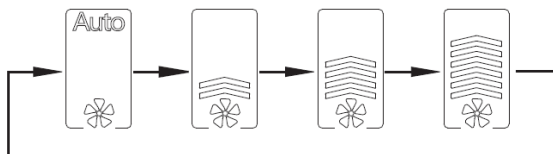


Press the button " + " or " - " to set the room temperature. Indoor Setting Temperature Range : 17~30°C(62~86°F)

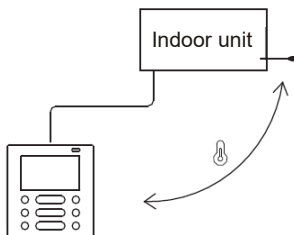
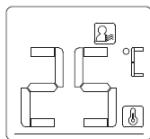
Fan speed setting



Press the Fan speed button to set the fan speed.
(This button is unavailable when in the mode of Auto or Dry)



Room temperature sensor selection



Press the Follow me/PTC button to select whether the room temperature is detected at the indoor unit or the wire controller.

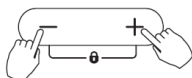
When the Follow me function indication  appears, the room temperature is detected at the wire controller.

PTC function (on some models)



Press the Follow me/PTC button for 2 seconds or more to activate the PTC function, when the unit is under the Heat mode.
Press the buttons again for 2 seconds or more to deactivate the PTC function.
When the PTC function is activated, the  mark appears. (Not applicable to all the models)

Child lock function



Press and hold "+" and "-" buttons together for 3 seconds or more to activate the child lock function and lock all buttons on the wire controller. Press the buttons again for 3 seconds or more to deactivate the child lock function.

When the child lock function is activated, the  mark appears

°C & °F scale selection (on some models)



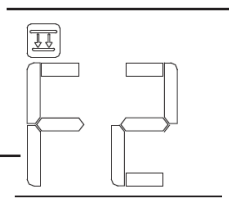
Press and hold buttons together for 3 seconds will alternate the temperature display between the °C & °F scale.

Faceplate function (on some models)

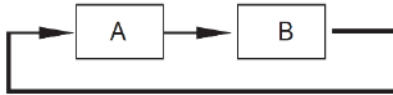


1. When the unit is off, Press the Mode(A/B) button long to activate the faceplate function. The  mark will flash.

The F2 mark appears when the faceplate is adjusted.



2. Push the Mode(A/B) button to select Unit A or Unit B, the wire controller select in a sequence that goes from (this step do not need to perform if the wire controller is connected with one unit only):



3. Press the button “+” and “-” to control the lift and drop of the faceplate.
 Pressing the “+” button can stop the faceplate, while it is dropping.
 Pressing the “-” button can stop the faceplate, while it is lifting.

Left-right airflow swing (on some models)



Press button to activate the auto Left-right swing feature of the louver. And then the louver would swing automatically. Press it again to stop.

When the auto Left-right swing feature of the louver is activated, the mark appears. (Not applicable to all the models)

Left-right airflow swing (on some models)



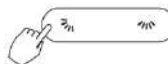
Use button to adjust the Up-down airflow direction.

1. When press the button once and quickly, the Up-down airflow direction setting feature of the louver is activated. The moving angle of the louver is 6° for each press. Keep pressing the button to move the louver to the desired position.

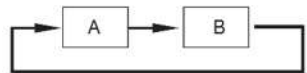
2. If press the button long, the auto Up-down swing feature of the louver is activated. The louver would swing automatically. Press it again to stop. When the auto Up-down swing feature of the louver is activated, the light mark appears. (not applicable to all models)

The operation can refer to the following instructions for the unit with four Up-down louvers can be operated individually.

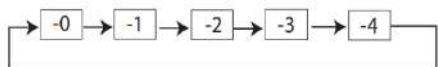
1. Press the button to activate the Up-down adjusting louver function. The mark will flash. (Not applicable to all the models)



2. Push the Mode(A/B) button to select Unit A or Unit B, the wire controller select in a sequence that goes from (this step do not need to perform if the wire controller is connected with one unit only)



3. Pressing the button “+” and “-” can select the movement of four louvers. Each time you push the button, the wire controller select in a sequence that goes from: (the icon -0 means the four louvers move at the same time.)



4. And then use button  to adjust the Up-down airflow direction of the selected louver.

6. TIMER FUNCTIONS



WEEKLY timer Use this timer function to set operating times for each day of the week.



On timer Use this timer function to start air conditioner operation. The timer operates and air conditioner operation starts after the time has passed.



Off timer Use this timer function to stop air conditioner operation. The timer operates and air conditioner operation stops after the time has passed.



On and Off timer Use this timer function to start and stop air conditioner operation. The timer operates and air conditioner operation starts and stops after the time has passed.

To set On or Off TIMER

1



Press the Timer button to select the or .



2



Press the Confirm button and the Clock display is flashing.

3



Press the button “+” or “-” to set the time. After the time is set, the timer will start or stop automatically.



ex. Off timer set at PM 6:00

4



Press the button “+” or “-” to set the time of Off timer

5



Press the Confirm button again to finish the settings.

7. WEEKLY TIMER



Press the Timer button to select the **Week** and then press Confirm button to confirm

Time scale setting

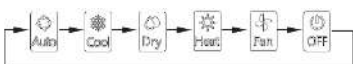


Press the button "+" and "-" to select the setting time. The setting time, mode, temperature and fan speed will be shown on the LCD. Press the Confirm button to enter the setting-time process.

Operation mode setting



Press the button "+" and "-" to set the operation mode. and then press the Confirm button to confirm the setting.

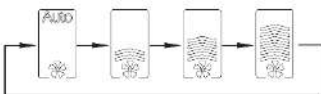


Fan speed setting



Press the button "+" and "-" to set the fan speed. and then press the Confirm button to confirm the setting.

NOTE: This setting is unavailable when in the mode of Auto, Dry or Off



Day of the week setting



Press the button "+" and "-" to select the day of the week. and then press the CONFIRM button to confirm the setting.



Time setting



Press the button "+" and "-" to set the time. and then press the Confirm button to confirm the setting.

Room temperature setting



Press the button "+" and "-" to set the room temperature. and then press the Confirm button to confirm the setting.

NOTE: This setting is unavailable when in the mode of Fan or Off.

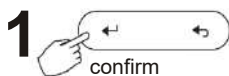
8 Different time scales can be set by repeating step 3 to 7.

9 Other days in one week can be set by repeating step 3 to 8.

NOTE:

- The weekly timer setting can be returned to the previous step by pressing Back button.
- The current setting will be restored and withdrawn the weekly timer setting automatically when there is no operation for 30 seconds.

To set the DAY OFF (for a holiday)



During the weekly timer, press the Confirm button to set the day.



Press the button “+” and “-” to select the day to set the DAY OFF.



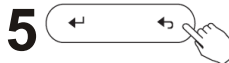
Day off/del

Press the Day off button to set the DAY OFF.



ex. The DAY OFF is set for Wednesday

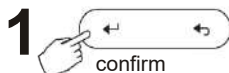
4 The DAY OFF can be set for other days by repeating the steps 2 and 3.



Press the Back button to back to the weekly timer.

Copy out the setting in one day into the other day.

A reservation made once can be copied to another day of the week. The whole reservation of the selected day of the week will be copied. The effective use of the copy mode ensures ease of making reservations.



During the weekly timer, press the Confirm button.



Press the button “+” and “-” to select the day to copy from.



Press the Copy button, the letter “CY” will be shown on the LCD.

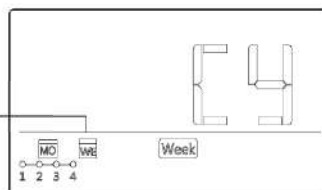


Press the button “+” and “-” to select the day to copy to.

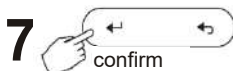


Press the Copy button to confirm.

The  mark flashes quickly



- 6** Other days can be copied by repeating step 4 and 5.



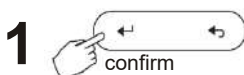
Other days can be copied by repeating step 4 and 5.



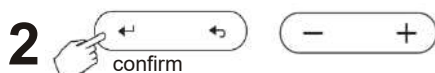
Press the Back button to back to the weekly timer.

7. WEEKLY TIMER

Delete the time scale in one day



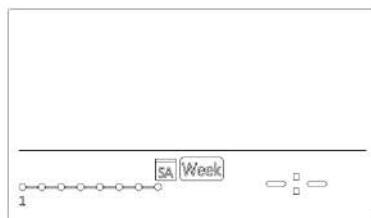
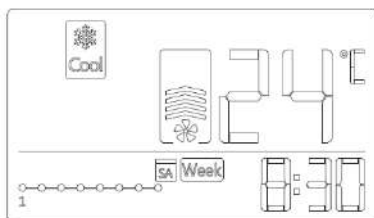
During the weekly timer, press the Confirm button.



Press the button “+” and “-” to select the day of the week, and then press the Confirm button to confirm the setting.



Press the button “+” and “-” to select the setting time want to be deleted. The setting time, mode, temperature and fan speed will be shown on the LCD. The setting time, mode, temperature and fan speed can be deleted by pressing the Day off(Del) button.



ex. Delete the time scale 1 in saturday

8. FAULT ALARM HANDING

If the system does not properly operate except the above mentioned cases or the above mentioned malfunctions is evident, investigate the system according to the following procedures.

NO.	MALFUNCTION & PROTECTION DEFINE	DISPLAY DIGITAL TUBE
1	Error of communication between wire controler and indoor unit	F0
2	The faceplate is abnormal	F1

Please check the error display of indoor unit and read OWNER'S MANUAL if other error code appears.

9. TECHNICAL INDICATION AND REQUIREMENT

EMC and EMI comply with the CE certification requirements.