OWNER'S MANUAL

AIR CONDITIONER
REMOTE CONTROLLER ILLUSTRATION

PolarBear

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.

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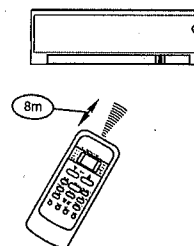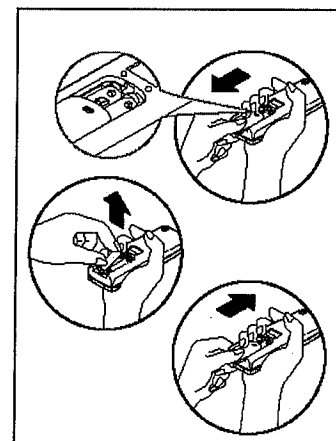
CONTENTS

Handling the remote controller

Location of the remote controller.

● Keep the remote controller where its signals can reach the receiver of the indoor unit. (a distance of 8m is allowed).

⚠ CAUTIONS

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

Replacing batteries

The remote controller uses two alkaline dry batteries (R03/LR03X2)
(1) Slide the cover of the battery compartment off according to the arrow direction, then replace the old batteries with new ones.
(2) Insert the new batteries making sure that the(+) and (-) of battery are installed correctly.
(3) Reattach the cover by sliding it back into position.

NOTE:
Do not use old batteries or different type batteries or rechargeable batteries, otherwise it may cause the remote controller malfunction.
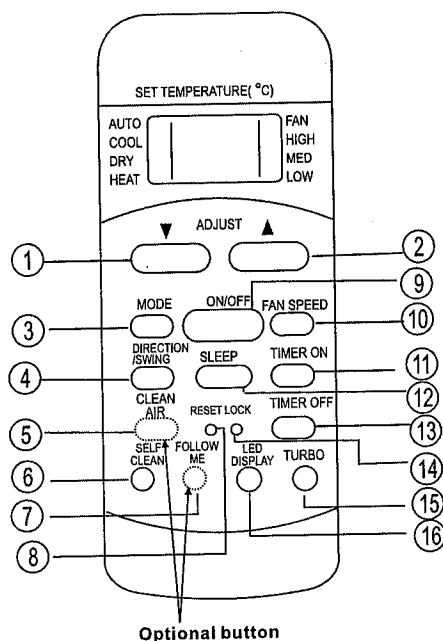
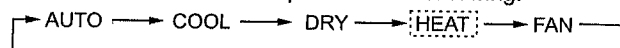| Model	R51I4/BGE,R51I4/BGCE, R51I19/BGE, R51I19/BGCE RG51I47/BG(C)E
Rated Voltage	3.0V(Dry batteries R03/LR03×2)
Signal Receiving Range	8m
Environment	-5℃~60℃

Performance Features

1. Operating Mode: COOL,HEAT(Cooling only model without), DRY,FAN and AUTO .
2. Timer Setting Function in 24 hours.
3. Indoor Setting Temperature Range : 17℃~30℃.
4. Full function of LCD (Liquid Crystal Display)

Features of Remote controller buttons

Optional button

① **TEMP Button▼** : Push this button to decrease the indoor temperature setting in 1°C increments to 17°C.

② **TEMP Button▲** : Push this button to increase the indoor temperature setting in 1°C increments to 30°C.

③ **MODE Button:** Each time the button is pressed, the operation mode is selected in the sequence of the following:

AUTO → COOL → DRY → HEAT → FAN

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.

④ **DIRECTION/SWING Button:** Used to stop or start horizontal louver movement or set the desired up/down air flow direction. The louver changes 6 degree in angle for each press. If keep pushing more than 2 seconds, the louver will swing up and down automatically.

⑤ **CLEAN AIR Button(on some models):** When push this button, the Ionizer/Plasma Dust Collector(depending on models) is energized and will help to remove pollen and impurities from the air.

⑥ **SELF CLEAN(AUTO CLEAN)Button:** Press this button under COOL or DRY mode, the self clean function is activated. Under SELF CLEAN mode, the air conditioner will automatically clean and dry the Evaporator and keep it as fresh for the next operation.

⑦ **FOLLOW ME Button(on some models):** Push this button to initiate the Follow Me feature, the remote display is actual temperature at its location. The remote control will send this signal to the air conditioner every 3 minutes interval until press the Follow Me button again. The air conditioner will beep to indicate the Follow Me feature has ended if it does not receive the signal during any 7 minute interval.

⑧ **RESET Button:** Once the recessed RESET button is pressed, all of the current settings will be cancelled and the controller will return to the initial settings.

⑨ **ON/OFF Button:** Press this button to start the indoor unit. Press again to stop the unit.

⑩ **FAN SPEED Button:** Press the button to select the Fan speed in the sequence: AUTO, LOW, MED and HIGH. Each time the button is pressed, the fan speed selection is shifted.

⑪ **TIMER ON Button:** Press this button to activate the Auto-on time setting. Each press will increase the time setting in 30 minutes increments if the setting time is lower than 10 hours. When the setting time reaches 10h, each press will increase the time setting 1 hour in increments. To cancel the Auto-on time setting, just press the button until the time setting is 0.0.

⑫ **SLEEP Button:** Active/Disable sleep function. It can maintain the most comfortable temperature and save energy. For the detail, see "sleep operation" in "USER'S MANUAL".

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

⑬ **TIMER OFF Button:** Press this button to activate the Auto-off time setting. Each press will increase the time setting in 30 minutes increments if the setting time is lower than 10 hours. When the setting time reaches 10h, each press will increase the time setting 1 hour in increments. To cancel the Auto-off time setting, just press the button until the time setting is 0.0.

⑭ **LOCK Button:** Press this recessed button to lock all current settings, and the remote controller will not accept any operation except that of the LOCK. Use the LOCK mode when you want to prevent settings from being changed accidentally. Press the LOCK button again to cancel the LOCK function. A lock symbol will appear on the remote controller display when the lock function is activated.
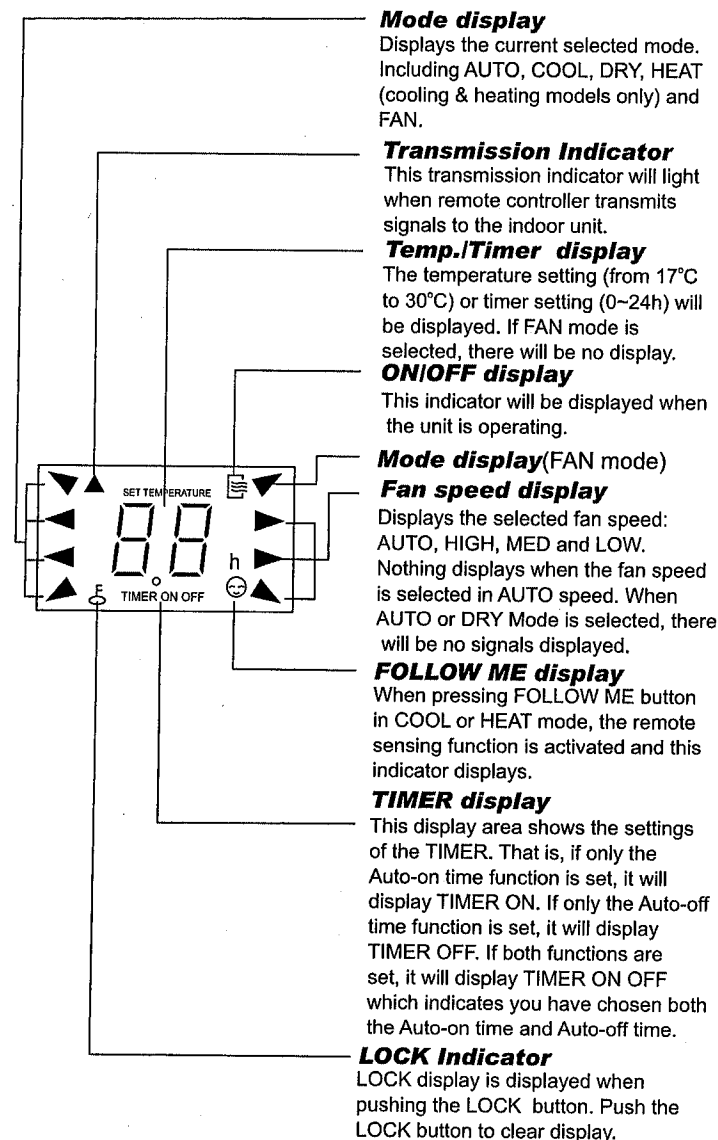
⑮ **TURBO Button:** Push this button to activate the Turbo function. Turbo function enables the unit to reach the preset temperature at cooling or heating operation in the shortest time(if the indoor unit does not support this function, there is no corresponding operation happened when pressing this button.)

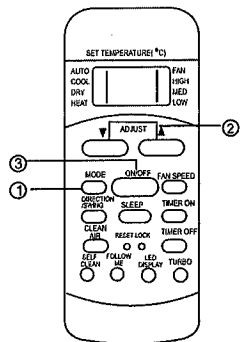⑯ **LED DISPLAY Button:** Press this button to clear the display on the indoor unit, press it again to light the display .

Note:
- Buttons design might be slightly different from the actual one you purchased depending on individual models.
- All the functions described are accomplished by the indoor unit. If the indoor unit has no this feature, there is no corresponding operation happened when press the relative button on the remote controller.

Indicators on display panel

Mode display
Displays the current selected mode. Including AUTO, COOL, DRY, HEAT (cooling & heating models only) and FAN.

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

Temp./Timer display
The temperature setting (from 17°C to 30°C) or timer setting (0~24h) will be displayed. If FAN mode is selected, there will be no display.

ON/OFF display
This indicator will be displayed when the unit is operating.

Mode display(FAN mode)

Fan speed display
Displays the selected fan speed: AUTO, HIGH, MED and LOW. Nothing displays when the fan speed is selected in AUTO speed. When AUTO or DRY Mode is selected, there will be no signals displayed.

FOLLOW ME display
When pressing FOLLOW ME button in COOL or HEAT mode, the remote sensing function is activated and this indicator displays.

TIMER display
This display area shows the settings of the TIMER. That is, if only the Auto-on time function is set, it will display TIMER ON. If only the Auto-off time function is set, it will display TIMER OFF. If both functions are set, it will display TIMER ON OFF which indicates you have chosen both the Auto-on time and Auto-off time.

LOCK Indicator
LOCK display is displayed when pushing the LOCK button. Push the LOCK button to clear display.

SET TEMPERATURE

h

TIMER ON OFF

Auto operation

When you set the air conditioner in AUTO mode, it will automatically select cooling, heating (Cooling & Heating models only), or fan only operation depending on what temperature you have selected and the room temperature.
Once you select the operating mode, the operating conditions are saved in the unit's microcomputer memory. Thereafter, the air conditioner will start operating under the same conditions when you simply push the ON/OFF button of the remote controller.

Start
Ensure the unit is plugged in and power is available. The OPERATION indicator on the display window of the indoor unit illuminates.
1. Mode select button (MODE)
   Press to select AUTO.
2. Temperature button (TEMP)
   Set the desired temperature. Normally, set it between 21°C and 28°C.
3. ON/OFF button
   Press the ON/OFF button to start the air conditioner.

Stop
ON/OFF button
Push this button again to stop the air conditioner.
If the AUTO mode is uncomfortable, you can select the desired conditions manually.
When you select the AUTO mode, you do not have to set the fan speed. The fan speed will be automatically controlled.

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COOL/HEAT/FAN operation

Start
Ensure unit is plugged and power is available.
1. Mode select button (MODE)
   Press to select COOL, HEAT (Cooling & Heating models only), or FAN mode.
2. Temperature button (TEMP)
   Set the desired temperature, the most comfortable temperature is between 21°C and 28°C.
3. Fan speed button (FAN SPEED)
   Press to select "AUTO", "LOW", "MED" and "HIGH".
4. ON/OFF button
   Press the ON/OFF button to start the air conditioner. The OPERATION indicator on the display panel of the indoor unit illuminates. The operating mode is selected in accordance with the room temperature and operation starts after approximately 3 minutes (If you select FAN mode, the unit will start immediately).
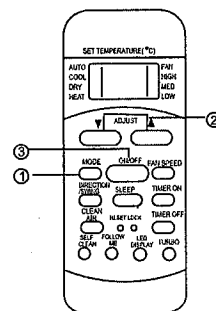
Stop
ON/OFF button
Push this button again to stop the air conditioner.

⚠ **NOTES:** The temperature cannot be controlled under FAN only mode. While in this mode, only steps 1, 3 and 4 may be performed.

DRY operation

Start
Ensure unit is plugged and power is available. The OPERATION indicator on the display panel of the indoor unit starts flashing.
1. Mode select button (MODE)
   Press to select DRY.
2. Temperature button (TEMP)
   Push the "TEMP" button to set the desired temperature.
3. ON/OFF button
   Press the ON/OFF button to start the air conditioner. No fan speed indicator displays. The Indoor fan speed will be automatically selected LOW.

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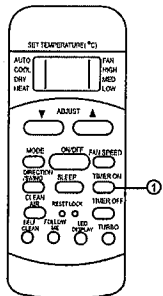
Stop

ON/OFF button

Push this button again to stop the air conditioner.

Note: The fan speed cannot be adjusted when the unit is in AUTO and DRY mode.

⚠ *In DRY mode, due to the temperature difference between the setting temperature and the actual indoor temperature, the unit will automatically operate in COOL or FAN mode.*
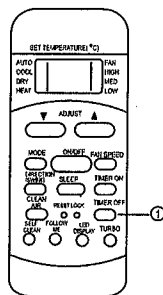
TIMER operation

To press the TIMER ON button can set the auto-on time of the unit. To press the TIMER OFF button can set the auto-off time of the unit.

To set the Auto-on time.

1. Press the TIMER ON button. The remote controller shows TIMER ON, the last Auto-on setting time and the signal "h" will be shown on the LCD display area. Now it is ready to reset the Auto-on time to START the operation.

2. Push the TIMER ON button again to set desired Auto-on time. Each time you press the button, the time increases by half an hour between 0 and 10 hours and by one hour between 10 and 24 hours.

3. After setting the TIMER ON ,there will be a one-half second delay before the remote controller transmits the signal to the air conditioner. Then, after approximately another 2 seconds, the signal "h" will disappear and the set temperature will re-appear on the LCD display window.
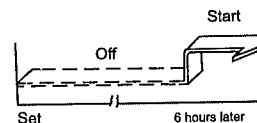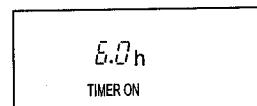
To set the Auto-off time.

1. Press the TIMER OFF button. The remote controller shows TIMER OFF, the last Auto-off setting time and the signal "h" will be shown on the LCD display area. Now it is ready to reset the Auto-off time to START the operation.

2. Push the TIMER OFF button again to set desired Auto-off time. Each time you press the button, the time increases by half an hour between 0 and 10 hours and by one hour between 10 and 24 hours.

3. After setting the TIMER OFF ,there will be a one-half second delay before the remote controller transmits the signal to the air conditioner. Then, after approximately another 2 seconds, the signal "h" will disappear and the set temperature will re-appear on the LCD display window.

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⚠ **CAUTION**

• The effective operation time set by the remote controller for the timer function is limited to the following settings: 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10, 11, 12, 13, 14, 15,16,17, 18, 19, 20, 21, 22, 23 and 24.
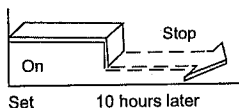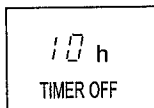
Example of timer setting

TIMER ON
(Auto-on Operation)

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

Example:

To start the air conditioner in 6 hours.

1. Press the TIMER ON button, the last setting of starting operation time and the signal "h" will show on the display area.

2. Press the TIMER ON button to display "6.0h" on the TIMER ON display of the remote controller.

3. Wait for about 3 seconds and the digital display area will show the temperature again. Now this function is activated.
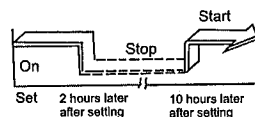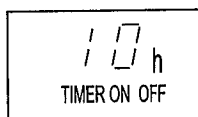
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```
10 h
TIMER OFF
```

TIMER OFF
(Auto-off Operation)
The TIMER OFF feature is useful when you want the unit to turn off automatically after you go to bed. The air conditioner will stop automatically at the set time.
Example:
To stop the air conditioner in 10 hours.
1. Press the TIMER OFF button, the last setting of stopping operation time and the signal "h" will show on the display area.
2. Press the TIMER OFF button to display "10h" on the TIMER OFF display of the remote controller.
3. Wait for about 3 seconds and the digital display area will show the temperature again. Now this function is activated.

COMBINED TIMER
(Setting both ON and OFF timers simultaneously)
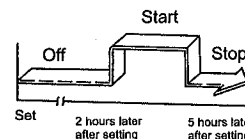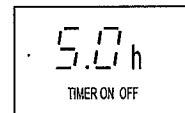TIMER OFF → TIMER ON
(On → Stop → Start operation)
This feature is useful when you want to stop the air conditioner after you go to bed, and start it again in the morning when you wake up or when you return home.


```
10 h
TIMER ON OFF
```

Example:
To stop the air conditioner 2 hours after setting and start it again 10 hours after setting.
1. Press the TIMER OFF button.
2. Press the TIMER OFF button again to display 2.0h on the TIMER OFF display.
3. Press the TIMER ON button.
4. Press the TIMER ON button again to display 10h on the TIMER ON display .
5. Wait for the remote control to display the setting temperature.

Set   2 hours later   10 hours later
      after setting   after setting


```
5.0 h
TIMER ON OFF
```
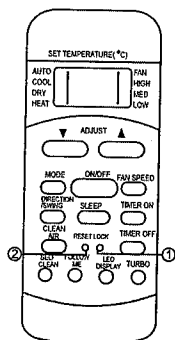
TIMER ON → TIMER OFF
(Off → Start → Stop operation)
This feature is useful when you want to start the air conditioner before you wake up and stop it after you leave the house.
Example:
To start the air conditioner 2 hours after setting, and stop it 5 hours after setting.
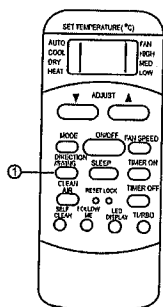1. Press the TIMER ON button.
2. Press the TIMER ON button again to display 2.0h on the TIMER ON display.
3. Press the TIMER OFF button.
4. Press the TIMER OFF button again to display 5.0h on the TIMER OFF display .
5. Wait for the remote control to display the setting temperature.

Set   2 hours later   5 hours later
      after setting   after setting

RESET and LOCK buttons funciton

1. When you press the recessed LOCK button, all current settings are locked in and remote controller does not accept any operation except that of the LOCK.
Use the LOCK mode when you want to prevent settings from being changed accidentally. Press the LOCK button again when you want to cancel the LOCK mode.
A lock symbol will appear on the bottom right hand side of the remote controller display when the LOCK function is activated.
2. When you press the recessed RESET button, all current settings are cancelled and return to original factory settings.

DIRECTION/SWING button function

Use the DIRECTION/SWING button to activate AUTO swing function and lock louver in desired position.
1. When press this button once and quickly, the air flow direction setting feature of the louver is activated. The moving angle of the louver is 6° for each press. Keep pressing the DIRECTION/SWING button to move the louver to the desired position.
2. When press the button without releasing for 2 more seconds, the auto swing feature of the louver is activated. The horizontal louver would swing automatically. Press it again to stop.
NOTE: When the louver swing or move to a position which would affect the cooling and heating effect of the air conditioner, it would automatically change the swing/moving direction (upward or downward).

Cautions

1. When replacing batteries, do not use old batteries or different type batteries. Otherwise it may cause the remote controller to malfunction.
2. If you do not use the remote controller for a few weeks or more, remove the batteries. Otherwise, battery leakage may damage the remote controller.
3. The average battery life during normal use is approximately half a year. Replace the batteries when there is no receiving beep from the indoor unit or if the transmission indicator on the remote controller fails to light.
4. Be sure there are no barriers between the remote controller and the receiver of indoor unit otherwise the air conditioner will not work.
5. Keep the Remote Controller away from all liquids.
6. Protect the Remote Controller from high temperatures and exposure to radiation.
7. Keep the indoor receiver out of direct sunlight or the Air Conditioner may malfunction.
8. Keep controller away from EMI (Electro-Magnetic Interference) supplied by other household appliances.