

ENVIROair

EMI  *Ductless*
Comfort Where It Counts.

Handheld Infrared Remote Control

15 & 16 SEER DC Inverter Single & Multi-Zone Ductless Split Systems

Air Handler (Indoor) Models - FWCA, ZWHA & MWH
[Condenser (Outdoor) Models - FCA, ZHA & MHA]

Installation, Operation and Maintenance Manual



An ISO 9001-2008 Certified Company

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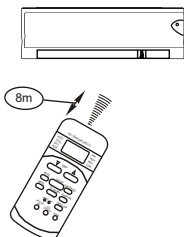
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Handling the remote controller

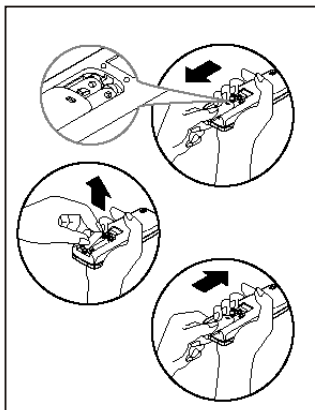


Location of the remote controller.

- 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.

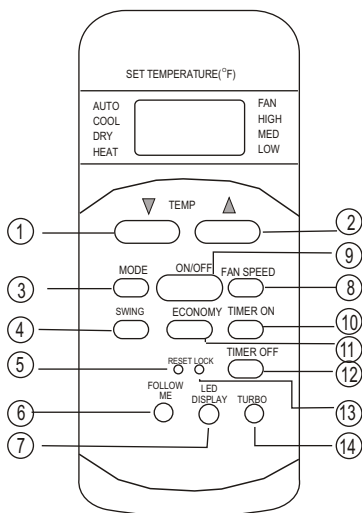
Remote Controller Specification

Model	RG51I39/BGCEFU, RG51I39/BGEFU
Rated Voltage	3.0V(Dry batteries LR03 ×2)
Lowest Voltage of CPU Emitting Signal	2.0V
Transmission Distance	8m
Environment	23°F~140°F

Performance Features

1. Operating Mode: AUTO、COOL、 DRY、 HEAT(Cooling only model without) and FAN .
2. Timer Setting Function in 24 hours.
3. Indoor Setting Temperature Range: 62°F~ 86°F
4. Full function of LCD (Liquid Crystal Display)

Features of Remote controller buttons



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- ① **TEMP Button▼** : Push this button to decrease the indoor temperature setting in 1°F increments to 62°F
 - ② **TEMP Button▲** : Push this button to increase the indoor temperature setting in 1°F increments to 86°F.

NOTE: Press and hold “▲” and “▼” buttons together for 3 seconds will alternate the temperature display between the °C & °F scale.

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



▲ **NOTE:** Heat mode is for cooling & heating models only.

- ④ **SWING Button:** Push this switch button to activate auto swing feature of the horizontal louver. Push it again to stop.
- ⑤ **RESET Button:** When you press the recessed RESET button, all current settings are cancelled and the control will return to the initial settings.
- ⑥ **AIR 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.
- ⑦ **LED DISPLAY Button:** Press this button to clear the digit display in the air conditioner, press it again to illuminate (Not available for the units without LED display window).
- ⑧ **FAN SPEED Button:** Used 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.
- ⑨ **ON/OFF Button:** Push this button to start operation, push the button again to stop operation.
- ⑩ **TIMER ON Button:** Press this button to initiate the auto-on time sequence. Each press will increase the auto-timed setting in 30 minutes increments. When the setting time displays 10h, each press will increase the auto-timed setting 60 minutes increments. To cancel the auto-timed program, simply adjust the auto-on time to 0.0.

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- ⑪ **ECONOMY 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.

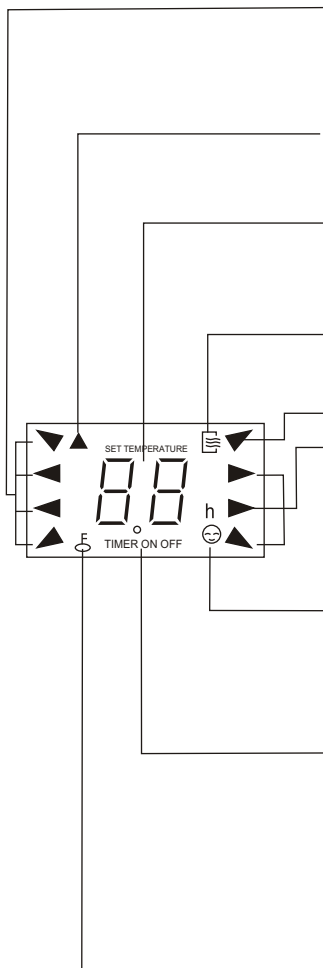
▲NOTE: *While the unit is running under ECONOMY operation mode, it would be canceled if you press the MODE, FAN SPEED or ON/OFF button.*

- ⑫ **TIMER OFF Button:** Press this button to initiate the auto-off time sequence. Each press will increase the auto-timed setting in 30 minutes increments. When the setting time displays 10h, each press will increase the auto-timed setting 60 minutes increments. To cancel the auto-timed program, simply adjust the auto-off time to 0.0
- ⑬ **LOCK Button:** When you press the recessed 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.
- ⑭ **TURBO Button:** Push this button on COOL mode, the air conditioner goes into powerful cooling operation. Push again to cancel the TURBO function(Not available for the air conditioner without TURBO function).

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 62°F to 86°F) 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.

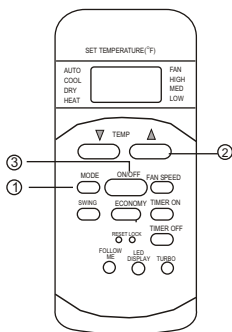
TIMER display

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.

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.

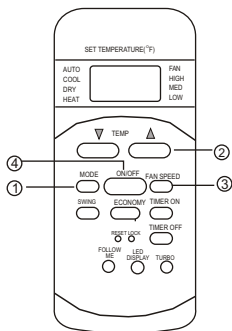
Ensure the unit is plugged in and power is available. The OPERATION indicator on the display window of the indoor unit illuminates.

1. Use the MODE button to select AUTO.
2. Push the TEMP button to set the desired temperature within a range of 62°F ~ 86°F.
3. Push the ON/OFF button to start the air conditioner. The FAN SPEED is automatically set and there are no fan speed indicators shown on the display panel of the remote controller.
4. Push the ON/OFF button again to stop the unit operation.

▲ NOTE

1. In the AUTO mode, the air conditioner can logically choose the mode of COOL, FAN and HEAT by sensing the difference between the actual ambient room temperature and the set temperature on the remote controller.
2. If the AUTO mode is not comfortable for you, the desired mode can be selected manually.

COOL/HEAT/FAN operation



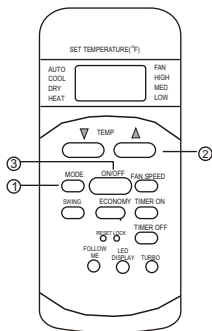
Ensure unit is plugged and power is available.

1. Press the MODE button to select COOL, HEAT (Cooling & Heating models only), or FAN mode.
2. Push the TEMP button to set the desired temperature within a range of 62°F ~ 86°F.
3. Push the FAN SPEED to select the FAN mode of AUTO, HIGH, MED or LOW.
4. Press the ON/OFF button to start the air conditioner. The OPERATION indicator on the display panel of the indoor unit illuminates. Push the ON/OFF button again to stop this unit operation.

NOTE

- The FAN mode can not be used to control the temperature. While in this mode, only steps 1、3 and 4 may be performed.

DRY operation

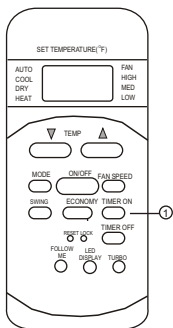


Ensure unit is plugged and power is available. The OPERATION indicator on the display panel of the indoor unit starts flashing.

1. Push the MODE button to select DRY.
2. Push the TEMP button to set the desired temperature within a range of 62°F ~ 86°F.
3. Push the ON/OFF button, the OPERATION lamp lights and the air conditioner starts to operate in DRY mode at LOW fan speed. Push the ON/OFF button again to stop this unit operation.

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

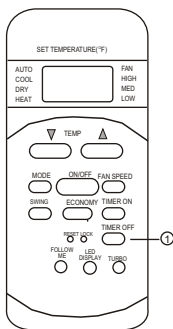
TIMER operation



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.



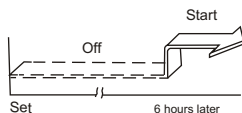
To set the Auto-off time.

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.

⚠ 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



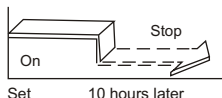
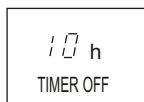
TIMER ON (Auto-on Operation)

The TIMER ON feature is useful when you want the unit to turn on automatically when 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.



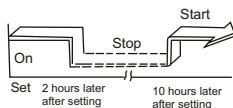
TIMER OFF (Auto-off Operation)

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.

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.



TIMER ON → TIMER OFF

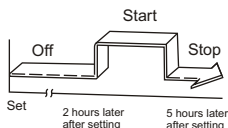
(Off → Start → Stop operation)

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.

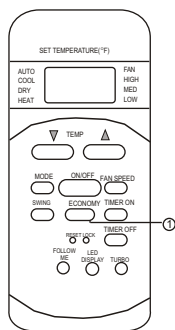
1. Press the TIMER ON button.
2. Press the TIMER ON button again to display 2.0h on the TIMER ON display.
3. Press the TIMER OFF button.
4. Press the TIMER OFF button again to display 5.0h on the TIMER OFF display.
5. Wait for the remote control to display the setting temperature.



CAUTION

- The timer setting (TIMER ON or TIMER OFF) that in sequence occurs directly after the set time will be activated first.
- If the same time is set for both TIMER ON and TIMER OFF settings, no timer operation is performed. The air conditioner may stop operating, either immediately or after approximately 10 minutes.

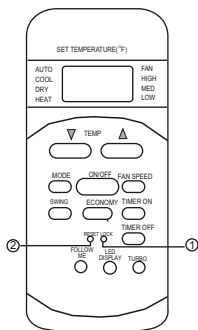
ECONOMY button function



The ECONOMY function enables the unit to automatically increase (cooling) or decrease (heating) 2°F per hour for the first two hours, then hold steady for the next 5 hours, after that the unit will stop operation. It can maintain the most comfortable temperature and save energy.

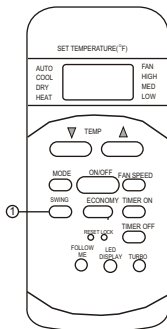
NOTE: The ECONOMY function is only available under Cooling, Heating and AUTO operations.

RESET and LOCK buttons function



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.

SWING button function



Use the 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 swing angle of the louver is 6° for each press. Keep pressing the 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 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 or heating effect of the air conditioner, it would automatically change the swinging/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.



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