

REMOTE CONTROL

OWNER MANUAL



MRCOOL®

COMFORT MADE SIMPLE

DIY Series

- Please read this Owner Manual carefully before operation.
- Save this manual in a safe place for future reference.

CONTENTS

Remote Control Specification.....	2
Performance Features.....	2
Features of the Remote control Buttons.....	2
Indicators on Display panel.....	4
Operating the Remote Control.....	5
Warning.....	8

NOTE:

- *Buttons design/layout may vary.*
- *Features between systems vary. If your system cannot support an operation indicated by the remote control, the unit will not recognize the remote command.*
- *Where there are differences between remote illustration and the "User Manual", the "User Manual" takes precedence.*

Remote Controller Specification

Model	RG51M5/(C)EU, RG51M1/EU1
Rated Voltage	3.0V (Dry batteries Lr03 X 2)
Transmission Distance	8 m
Environment	23°F~140°F

Performance Features

1. Operating Mode: AUTO, COOL, DRY, HEAT 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).

Remote control buttons

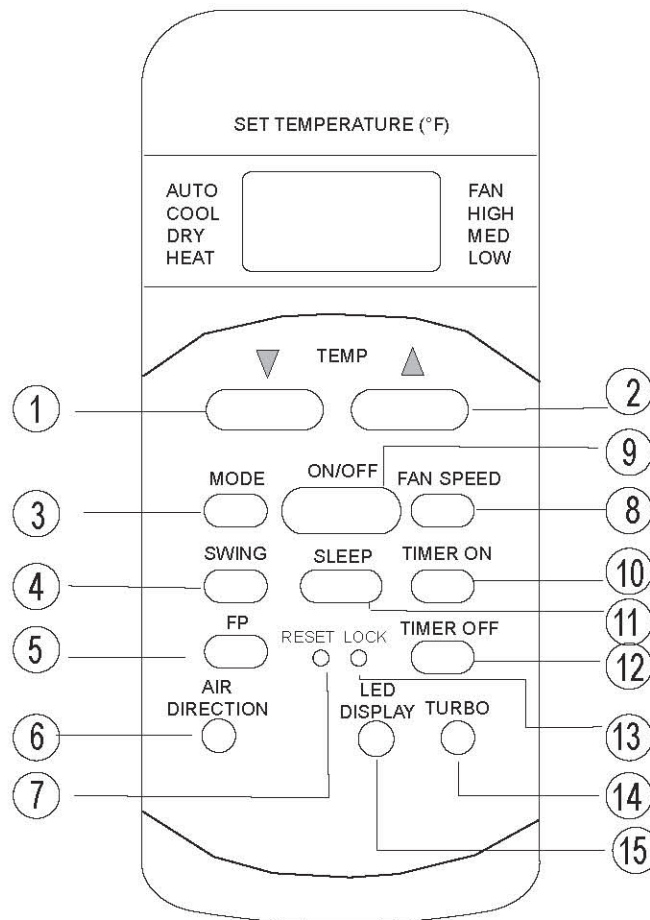


Fig. 1

NOTE: 'FP' button is available for the Premier series only.

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

Note: Press and hold "▼" and "▲" temperature buttons together for 3 seconds to alternate the temperature display between °F and °C.

3. **MODE Selection Button:** Each time the button is pressed the operation mode will shift modes in the following order:



4. **SWING Button:** Push this button to activate the horizontal louver "auto swing" feature. Push again to stop this feature.
5. **FP Button:** This option is only for use in "HEAT" mode, press this button to automatically set temperature to 46°F(8°C) and activate high fan speed operation. The digital screen will display "FP". While in operation press the following buttons to cancel "FP" function: "ON/OFF", "MODE", "FAN SPEED", "TEMP UP"/"TEMP DOWN", "TIMER ON"/"TIMER OFF", "SLEEP" or "FP".
6. **AIR DIRECTION Button:** This button is used to change the louver movement and set the desired up/down air flow direction. The louver changes in increments of 6°.
7. **RESET Button:** When the "RESET" button is pressed all current settings are cancelled and the unit will return to its default settings.
8. **FAN SPEED Button:** Used to toggle the fan speed in four steps ("AUTO", "LOW", "MED" or "HIGH").
9. **ON/OFF Button:** Push this button to turn unit on, push the button again to turn unit off.
10. **TIMER ON button:** Press this button to initiate the "auto-on" time sequence. Each additional press will increase the "auto-time" setting in 30 minute increments. Once the time setting display "10h", each press will then increase the "auto-time" setting in increments of 60 minutes. To cancel the "auto-time" function simply adjust the "auto-time" to 0.0.
11. **SLEEP Button:** Press this button to go into "Energy-Saving" mode. Press again to cancel. This function may only be used while the unit is in "COOL", "HEAT", and "AUTO" mode to maintain the most comfortable temperature for you.

Note: "SLEEP" mode can be canceled by pressing the "MODE", "FAN SPEED" or "ON/OFF" buttons.

12. **TIMER OFF Button:** Press this button to initiate the “auto-off” time sequence. Each press will increase the auto-timed setting in 30 minute increments.
13. **LOCK Button:** When you press the “LOCK” button all current settings are locked in and the remote control does not accept operation except that of the “LOCK”. Press again to cancel the “LOCK” mode.
14. **TURBO Button:** This button Activates/Disables Turbo function. Turbo function enables the unit to reach the preset temperature during cooling or heating operation in the shortest amount of time.
15. **LED DISPLAY Button:** Press this button to clear the digit display on the indoor unit. Simply press again to reilluminate (feature not available for units without LED display screen).

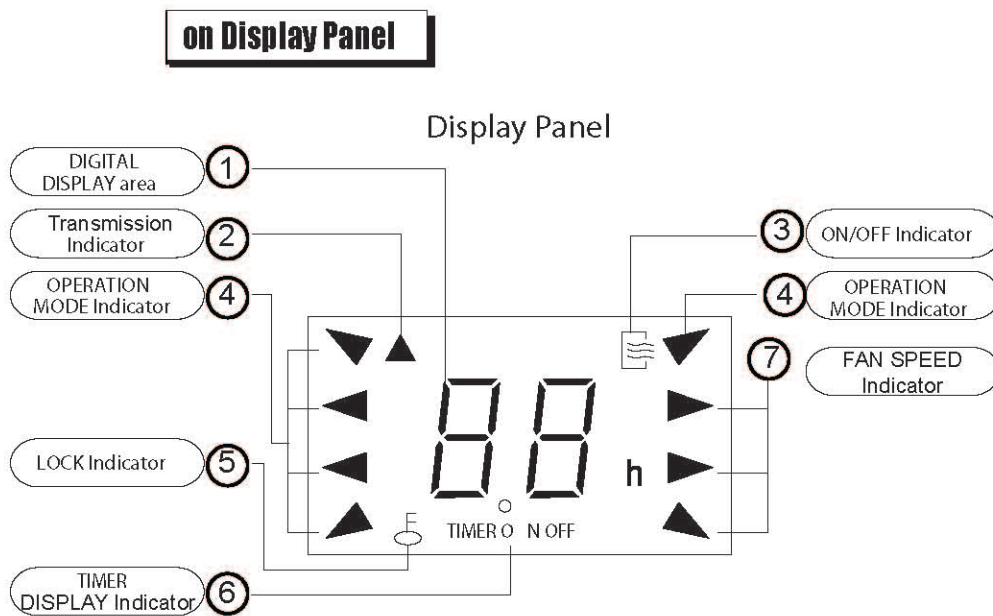


Fig. 2

1. **DIGITAL DISPLAY area:** This area will show the set temperature and, if in the “TIMER” mode, will show the “ON” and “OFF” settings of the “TIMER”. If in the “FAN” mode, nothing is appeared.
2. **TRANSMISSION Indicator:** This indicator flashes one time when the remote control transmits signals to the indoor unit.

3. **ON/OFF Indicator:** This symbol appears when the unit is turned on by the remote control, and disappears when the unit is turned off.
4. **OPERATION MODE Indicator:** Pressing the “MODE” button shows the current operating mode - “AUTO”, “COOL”, “DRY”, “HEAT”, or “FAN” mode.
5. **LOCK Indicator:** Display “LOCK” by pushing the “LOCK” button. Push the “LOCK” button again to clear.
6. **TIMER DISPLAY Indicator:** This display area shows the “TIMER” settings. If the starting time of operation is set, it will display the “TIMER ON”. “TIMER OFF” will display if the off time is the only “TIMER” operation set. If both operations are set it will show “TIMER ON-OFF” which indicates you have chosen to set both the starting time and off time.
7. **FAN SPEED Indicator:** Press the “FAN SPEED” button to select the desired fan speed setting (“AUTO”-“LOW”-“MED”-“HIGH”). Your selection will be displayed in the LCD screen, except the “AUTO” fan speed.

▲ Note: *All signs shown in Fig.2 are for demonstration purposes. During actual operation only the relevant functional signs will be displayed on the panel.*

Operating the Remote Controller

🔑 Install/Replace Batteries

The Remote Control uses two alkaline dry batteries(LR03X2).

1. To install batteries, slide the back cover off and install the batteries according to the directions shown on the remote control.
2. Replace old batteries using the same method as above.

▲ NOTE

1. *When replacing batteries, do not use old batteries or a different type battery. This may cause the remote to malfunction.*
2. *If you do not use the remote control for several weeks remove the batteries. Otherwise battery leakage may damage the remote control.*
3. *The average battery life under normal use is approximately 6 months.*
4. *Replace the batteries when there is no answering beep from the indoor unit or if the “TRANSMISSION” indicator light fails to illuminate.*
5. *Do not dispose batteries as unsorted municipal waste. Dispose separately for special treatment.*

AUTOMATIC OPERATION

Switch on the power and the “OPERATION” indication light on the display panel of the indoor unit will start flashing, and turns off after flashing 6 times.

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

Note

1. *In the “AUTO” mode, the unit 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 control.*
2. *If the “AUTO” mode is not comfortable for you, then select the desired mode manually.*

COOL/HEAT and FAN Operation

1. If the “AUTO” mode is not comfortable, manually over-ride the settings by using “COOL”, “HEAT” or “FAN” modes.
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” between the following fan modes: “AUTO”, “HIGH”, “MED” or “LOW”.
4. Push the “ON/OFF” button, the operation light will illuminate and the unit will start with the fan speed you set. Push the “ON/OFF” button again to stop unit operation.

Note

The “FAN” mode can not be used to control the temperature. While in this mode, While in this mode, only steps 1, 3 and 4 may be preformed.

DRY Operation

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” light illuminates and the unit starts to operate in “DRY” mode at “LOW” fan speed. Push the “ON/OFF” button again to stop unit operation.

NOTE

Due to the difference of the set temperature of the unit and the actual indoor temperature, the unit when in “DRY” mode will automatically operate many times without running the “COOL” and “FAN” mode.

TIMER Operation

Push the “TIMER ON” button to set the auto-on time and “TIMER OFF” button to set the auto-off time.

1. Setting the Start Time.

- 1.1 Push the “TIMER ON” button. The remote control will show “TIMER ON”, the last set time for the starting operation, and the signal “h” will be shown on the digital display area. You are now ready to reset the time to start the operation.
- 1.2 Push the “TIMER ON” button again to set desired unit start time.
- 1.3 After setting the “TIMER ON”, there will be a ½ second delay before the remote control transmits the signal to the unit. Then, after approximately another 2 seconds, the signal “h” disappears and the set temperature will re-appear on the digital display.

2. Setting the Stop Time.

- 2.1 Push the “TIMER OFF” button and the remote control will show “TIMER OFF”, the last set time for stopping operation, and signal “h” will be shown on the digital display area. You are now ready to reset the time of the “STOP” operation.
- 2.2 Push the “TIMER OFF” button again to set the time you want to stop the operation.
- 2.3 After setting the “TIMER OFF” function, there will be a ½ second delay before the remote control transmits the signal to the unit. Then, after approximately another 2 seconds, the signal “h” disappears and the set temperature will re-appear on the digital display.

3. Setting the starting & stopping time

- 3.1 Push the “TIMER ON” button, the remote control will show “TIMER ON”, the last set time for “START” operation, and the signal “h” will be shown on the digital display area. You are now ready to readjust the “TIMER ON” to start the operation.
- 3.2 Push the “TIMER ON” button again to set the time you want, to start the operation.
- 3.3 Push the “TIMER OFF” button, the remote control will show “TIMER OFF”, the last set time for “STOP” operation, and the signal “h” will be shown on the digital display area. You are now ready to reset the time to “STOP” operation.
- 3.4 Push the “TIMER-OFF” button again to set the time you want to stop the operation.
- 3.5 After setting the “TIMER”, there will be a ½ second delay before the remote control transmits the signal to the unit. Then, after approximately another 2 seconds, the signal “h” disappears and the set temperature will re-appear on the digital display.

Change the TIMER

- To change the “TIMER ON/OFF” time, just press the corresponding “TIMER” button and reset the time.
- To cancel the “TIMER ON/OFF” setting, just adjust the TIMER time to 0.0.

NOTE

The setting time is relative. The time set is based on the delay of the current time.

Warning

1. Be sure there are no obstacles between the remote control and the indoor receiver unit otherwise the unit will not respond.
2. Keep the Remote Control away from liquids.
3. Protect the remote control from high temperatures and radiation exposure.
4. Keep the indoor receiver out of direct sunlight or the unit may malfunction.
5. Keep remote control away from EMI(Electro-Magnetic Interference) supplied by other household appliances.

NOTE:

The device must comply with the municipal, state, and national regulations.

- In Canada, it should comply with CAN ICES-3(B)/NMB-3(B).
- In USA, this device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- Changes or modifications not approved by the party responsible for compliance could void users authority to operate the equipment.



MRCOOL®
COMFORT MADE SIMPLE

DIY Series

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

CR052-RG51M5

For more details visit www.MrCool.com