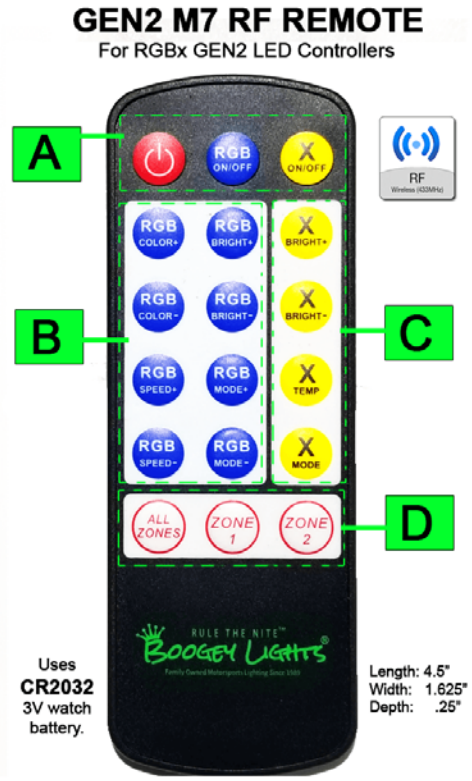


A. POWER ON/OFF & RESTORE LAST STATE Buttons.

RED = Restore Last State toggle button. Use this button to restore the LED Controller's last used settings. Pressing this button RESTORES the last used operating state for all LEDs connected to the controller. This is an important concept to understand. If for example, the last used setting had the RGB diodes ON displaying a color rotation program of red, white and blue and the X diodes OFF, when you press this red button the controller will load those exact same settings. Think of this button as a RESTORE LAST USED SETTINGS button. This button will also turn all lights OFF if they are on.

BLUE = RGB Power On/OFF Toggle. Turns on/off just the RGB diodes. When turning on, the RGB diodes will come on in the last used color/mode setting. If you want to turn the RGB LEDs on or off, use the BLUE Power On/Off button.

YELLOW = X Diodes Power On/OFF Toggle. Turns on/off just the X diodes (comes on in the last used color/mode setting). If you wanted to turn the X LEDs on or off, use the YELLOW Power On/Off button.

NOTE: If using a Dual Zone LED controller, the RED Master Restore State button will turn on/off both zones regardless of whichever zone is active – and when turning on, it will do so in the last used settings / state for both zones. This too is an important concept to understand. If for example when the controller was last turned off, Zone 1 was set to steady on RGB blue and Zone 2 was off, when you press the red restore state button the next time, the controller will turn on using that exact same setting (Zone 1 = Blue, Zone 2= off).

B. RGB LED Controls.

The BLUE buttons control the RGB diodes connected to the controller. These are the LEDs connected to the RED, GREEN and BLUE output wires on the LED Controller. There are four sets of RGB controls as follows:

Color: The RGB COLOR button will cycle through thru the seven pre-set RGB colors. Starting at the top, the colors are: White (6000k), Light Blue, Magenta/Hot Purple, Boogey Lights Green/Yellow, Blue, Green and Red. Pressing and holding the + button will take you to the top of the sequence (white). Pressing and holding the – button will take you to the bottom of the sequence (red). Pressing and releasing the + or – buttons will step through the other color options one at a time.

Brightness: There are 9 dimming levels. Pressing the + button will brighten the LEDs. Pressing the – button will dim the LEDs.

Mode: There are 7 operating modes: STEADY ON (one color), STROBING (one color), STROBING (cycles thru colors), COLOR CHANGING (cycles thru colors), BREATHING (one color), BREATHING (cycles thru colors), MORPHING (cycles through colors). Pressing the + and – buttons will change the modes. Pressing and holding the - button will take you to the STEADY ON mode at the bottom of the sequence. Pressing and holding the + button will take you to the MORPHING mode at the top of the sequence. Pressing the + (or -) buttons one at time will step through the modes.

Speed: There are 5 speed controls which work with these MODE settings: Strobing, Color Changing, Breathing and Morphing. Press the + button to speed up the effect. Press the – button to slow down the effect. Press and hold the + button to take you to the fastest setting. Press and hold the – button to take you to the slowest setting.

C. X LED Controls. The YELLOW buttons control the X diodes connected to the controller (if any). These are the LEDs connected to the WHITE and GREY output wires on the LED controller. If your installation is RGB only, these yellow buttons won't be used at all. If your installation is an RGBx installation, depending on the controller configuration, there can be one or two X diodes. If RGBA or RGBW, there will be one 'X' diode (either Amber or White). If RGBWW, there will be two 'X' diodes (both white but different temperatures). There are three button functions as follows:

Brightness: There are 9 dimming levels. Pressing the + button will brighten the LEDs. Pressing the – button will dim the LEDs. It controls BOTH 'X' diodes.

Temperature: This button is designed for use with RGBWW LED strips. It gradually shifts the brightness intensity from the LEDs connected to the White output wires to the LEDs connected to the Grey output wires. When wired to RGBWW, it has the appearance of changing the white color temperature. If you are using RGBA or RGBW where only one of the two x diodes are connected to the controller, the button will fade out the LEDs connected to the white output wire until they go dark. If you wired the white and grey output wires to the same X diodes as shown in the optional wiring diagram, pressing this button will have the appearance of doing nothing.

Mode: There are three operating modes which control the diodes connected to the White and Grey output wires. STEADY ON, STROBING and BREATHING. Pressing this button changes from one mode to the other. You cannot adjust the speed of the strobing or breathing.

D. ZONE Control. These buttons only apply to the GEN2 DUAL ZONE HEAVY DUTY LED Controller. If you are using the SUPER or HEAVY DUTY SINGLE ZONE LED controllers, this button will not work. For DUAL ZONE LED controllers, there are three possible options:

ALL ZONES: Pressing this button tells the LED Controller the buttons you're going to press next will be applied to both ZONE ONE and ZONE TWO.
ZONE 1: Pressing this button tells the LED Controller the buttons you're going to press next will be applied to ZONE ONE only.
ZONE 2: Pressing this button tells the LED Controller the buttons you're going to press next will be applied to ZONE TWO only.

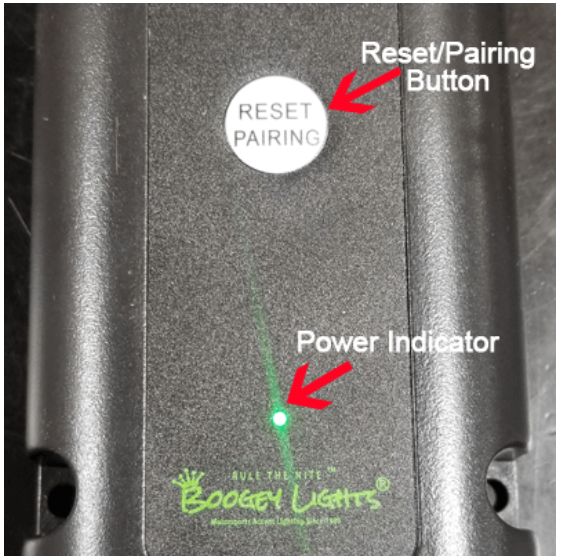
Notes:
1) The LEDs must be ON to accept Zone key commands.
2) When you press any of these Zone control buttons, the LEDs will quickly flash letting you know the controller successfully received the command. If the LEDs do not flash, the command was not received and you need to push the button again.

BATTERY REPLACEMENT (CR2032)

The G2 M7 RF wireless remote uses a standard watch battery CR2032. It can be found at just about any drug store or big box store.

To remove the battery, turn the remote over. At the base of the remote you'll see a small door that slides into the bottom of the remote. Push the small tab toward the center of the remote while pulling downward on the door itself. The battery and battery cradle will slide out from the bottom. The positive side of the battery should be facing toward you when pulling the drawer out.

PAIRING THE REMOTE TO THE CONTROLLER



All GEN2 LED controllers have a 'RESET PAIRING' button on the face. To work, the controller must have power with the green power indicator light lit as shown in this photo.

The pairing functionality 'pairs' or links the RF handheld remote with the LED controller. When the controller and remote are shipped, they are already paired. Typically they will stay paired. If however the RF remote and controller becomes un-paired, you need to re-pair them. Common causes for unpairing include accidental pressing of the 'Reset Pairing' button, the battery in the remote dying or buying a new remote to replace one that was lost or damaged.

The pairing process is quick and easy. To pair the RF wireless handheld remote with the LED controller, quickly press and release the pairing button on the face of the LED controller (do not hold it down). As soon as you do, the green power indicator light will start flashing. You have 30 seconds at that point to press any button on the RF wireless remote to 'pair' it. If the pairing is successful, the green power indicator light will stop flashing. If you wish to pair a second RF remote, repeat the process. You can pair up to THREE (3) m7 rf remotes to a single led controller.

Note: The Key Fob RF and M7 RF wireless remotes are <u>not</u> interchangeable. The Key Fob RF remote will only pair with the PLUS (model BLRC-G2P-KF) RGB only LED Controller. The larger format M7 tv style RF wireless remote will pair with any of the other three GEN2 RGBxx LED Controllers.