

# MINLEON's MULTIFUNCTION MINI-CONTROLLER v3 QUICK REFERENCE GUIDE

## PRECAUTIONS & INSTALLATION REQUIREMENTS

1. If using outside then ensure that the controller is mounted from the mounting eye piece with the power & USB sockets facing downwards. Put caps in place on the USB port if not used.
2. If the controller is beyond 20 feet from the first light, Minleon's Sender-Receiver accessory is needed. This will allow up to 300 feet between the controller and first light.
3. Never disconnect and connect lights when the controller is powered, as this may cause permanent damage to the lights and/or controller.
4. Do not place lights or controller in areas where there is extreme heat or cold.
5. Do not strain the cables of the lights as damage may occur to the wiring.
6. Always keep the plug cap on at the end of the light string when not used.
7. Firmly tighten all plugs, do not over-tighten.
8. Do not drop controller, remote or lighting on hard surfaces.
9. Do not use if there is any damage to the controller, wiring or lighting.
10. Do not use detergents on the controller, remote or lights as this may cause permanent damage. Use a soft clean rag to clean the controller, remote and lights.

## INTRODUCTION

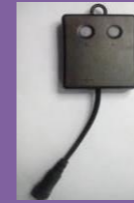
The Minleon Multifunction Mini-Controller is an entry level controller capable of controlling up to 500 lights on a single string, but can operate many thousands of lights wired in parallel using Minleon accessories. Comes with multiple effects built in that can run at different speeds and colors.

The USB port allows live control via PC and is controlled using Minleon's *LightShow Pro* software.

There is a wide variety of accessories available for the Mini-Controller that will extend the capabilities of the Minleon RGB system.



## PARTS AND CONNECTION



### 1: Multifunction Mini-Controller

The Minleon Multifunction Mini Controller has multiple functions in a small package.



### 2: Mini-Controller Remote

The Mini-Controller remote control expands the user's control of the RGB lights in multiple ways.



### 3: 12VDC Power Supply

12VDC, 5-amp power supply powers up to 125 Minleon RGB lights with the controller.

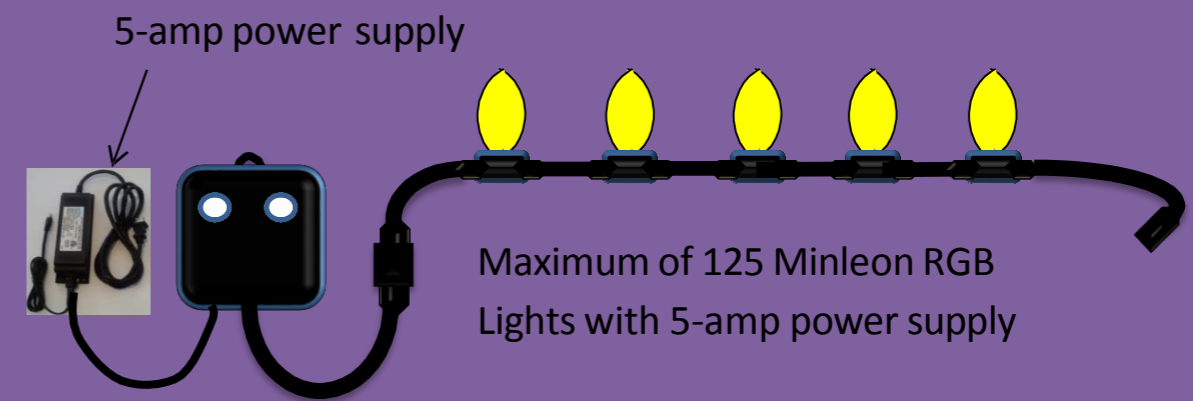


### 4: Minleon RGB Lights

A variety of different lights, tubes and strip lighting are available from Minleon

 Always power off the controller before connecting and disconnecting lights


Diagram for connecting the power supply and lights



## Adding additional lights


The Minleon Multifunction Mini-Controller can control up to 500 Minleon lights (additional power considerations are required). Connect additional light strings using Minleon accessories (Copy T's, Power T's), power supplies and lights.

## Setting the number of lights connected to the Controller

Turn the lights on, then hold the  button for more than 1 second. All active lights will turn on **red** with the last active light flashing **blue**.

Press **Fx** ↓ to decrease the number of lights connected.

Press **Fx** ↑ to increase the number of lights connected.

Press  to return to normal operation.

# USING THE CONTROLLER FUNCTIONS



## Multifunction Mini-Controller

The Minleon Multifunction Mini-Controller has several basic and advanced functions that allow the user to take full control of the connected lights

### USB Port

The USB port allows the Mini-Controller to be connected to a computer for direct control via Minleon's *LightShow Pro* Software

### 12Volt DC Power Socket

Connect the 12VDC power supply here

### Light Plug

Connect the lights to this 3 pin plug. Ensure the pins line up and do not force in the plug. **IMPORTANT - DO NOT CONNECT & DISCONNECT LIGHTS WHEN CONTROLLER IS PLUGGED IN.**



## Mini-Controller Control

The Multifunction Mini-Controller has a basic two-button functionality.

### Play Button

Plays next effect - If held down, turns power off and saves effect for next power up. Press to turn lights back on.

### Variation Button

Modifies the current effect (speed, color, etc. depending on effect).



# USING THE REMOTE CONTROL FUNCTIONS



- ON / OFF

- SET INTENSITY / BRIGHTNESS

**C1** - SELECT COLOR #1 (PRESS-AND-HOLD TO SCROLL THROUGH THE COLOR WHEEL)

**C2** - SELECT COLOR #2

**C3** - SELECT COLOR #3

**E1** - FAVORITE EFFECT #1 (LONG HOLD RETAINS/SHORT PRESS RECALLS)

**E2** - FAVORITE EFFECT #2

**E3** - FAVORITE EFFECT #3

**E4** - FAVORITE EFFECT #4

**SPD** - SET SPEED (10 VARIATIONS)

**Fx↓** - GO TO PREVIOUS EFFECT

**Fx↑** - GO TO NEXT EFFECT

## SELECTING EFFECT COLORS

### Select up to 3 alternating colors (for example, red-white-blue)

Press-and-hold key 'C1', then release when you see red in bulb #1 as you scroll through the color wheel. Repeat for keys 'C2' (bulb #2) for white, and 'C3' (bulb #3) for blue. When done, the light string's bulbs will alternate the colors red, white and blue. Select any combinations of colors.

- If only a single color is needed, then select the 'bulb off' position as you scroll through the color wheel for the 2nd (C2 key) and 3rd (C3 key) bulb
- If only two colors are desired, then select the 'bulb off' position as you scroll through the color wheel for the 3rd bulb

### Selecting the 22 built-in controller effects

To access the effects listed below, press **Fx↑** & **Fx↓** on the remote control or use the 'Play' button on the Mini-Controller. A bulb will flicker to show the user which effect is displayed.\*

- **To save** one of the built-in effects to **memory**, display your desired effect, then **press-and-hold** button **E1, E2, E3** or **E4** on the remote for more than 1 second. To recall this effect **press-and-release** the same E button.

## Mini Controller Various Effects

No.	Effect Name	Effect Description	No.	Effect Name	Effect Description
<b>FIXED-COLOR EFFECTS*</b>			<b>FLEX-COLOR EFFECTS</b>		
1	TestPattern	Test mode: red-green-blue white	14	Solid Color	Displays the colors selected by the user (C1, C2, C3)
2	Show Mode	Cycles through all effects randomly	15	Comets	Lights burst & trail off down the string
3	ColorWheel	Lights cycle through color wheel	16	Color Chaser	Colors move along the string
4	Rainbow	Rainbow of color	17	Mirror	End of the string reflects the beginning of the string
5	WideRainbow	Wide rainbow of color	18	Single-Color Glow	Single color glow & fade
6	ChristmasLights	Colors fade in and out individually	19	Single-Color Wave	Single-color wave along string
7	ColorChange	All lights fade into a new color	20	Gradient Blend	Fixed bulbs morph from one chosen color to the next across the string
8	Two Color Change	Alternate lights morph into two new colors	21	Twinkle	Twinkling, flashing colors
9	Moving Blend	Pulsing, moving bands of color	22	Flash	Shimmering lights of color
10	Ping Pong	Colors bounce back and forth			
11	Expander	Colors expand from center			
12	Exploder	Lights intensify from center			
13	RGB Flash	Red-green-blue flasher			

\* The first bulb will flicker before displaying Test Pattern; the sixth bulb will flicker before displaying Christmas Lights, and so on.



### Important Notice

It is the sole responsibility of the reader to ensure that all safety precautions are taken, Minleon and/or any involved parties relinquishes any responsibility and liabilities for any content within this Quick Guide that may cause the reader any injury or loss of property due to incorrect use. By reading this guide you take sole responsibility for all actions taken. Ensure all local and state electrical laws are taken into consideration when using this product. Minleon does not take responsibility for any use outside of state and local laws and regulations. Minleon reserves the right to make product changes from time to time which may differ from this

the first effect with bulb for the sixth effect & so on.

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