

# MINLEON ADVANCED MULTIFUNCTION MINI CONTROLLER QUICK REFERENCE

## PRECAUTIONS & INSTALLATION REQUIREMENTS

1. The Minleon Advanced Multifunction Mini Controller is not designed to be left outdoors in the weather in all situations or else permanent damage may occur. If installing outside then ensure that the controller is mounted from the mounting eye piece with the power and USB sockets facing downwards
2. The controller must not be located no more than 10 feet away from the first light unless using the Minleon sender and receiver unit (Minleon additional accessory) which will allow up to 100 feet of distance between the controller and first light.
3. Never disconnect and connect lights when the controller is powered up 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 wash down the controller or the remote with any fluids as this may cause permanent damage. Use a soft clean rag to clean the controller, remote and lights.

## INTRODUCTION

The Minleon Advanced Multifunction Mini Controller is an mid-level controller for displaying effects on a single string of Minleon RGB Lights (up to 500 lights maximum). It can also control multiple strings that are wired in parallel, where each string will display the same thing (up to 5000 lights maximum). The Mini Controller has a number of built-in effects, a remote control that allows different controls including memory recall and a USB port that allows live control via a PC using Minleons LightShow Pro software.



\* Additional Spacer shown

## PARTS AND CONNECTION



### 1: Multifunction Mini Controller

The Minleon Multifunction Mini Controller has many inbuilt functions and is very powerful for a small package



### 2: Mini Controller Remote (V2)

The Minleon Multifunction Mini Controller Remote allows you to take control of the lights connected to the multifunction mini controller in many ways



### 3: 12VDC Power Supply

12VDC 1.5 amp power supply that can power up to 50 Minleon RGB lights and the controller.



### 4: Minleon RGB Lights

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


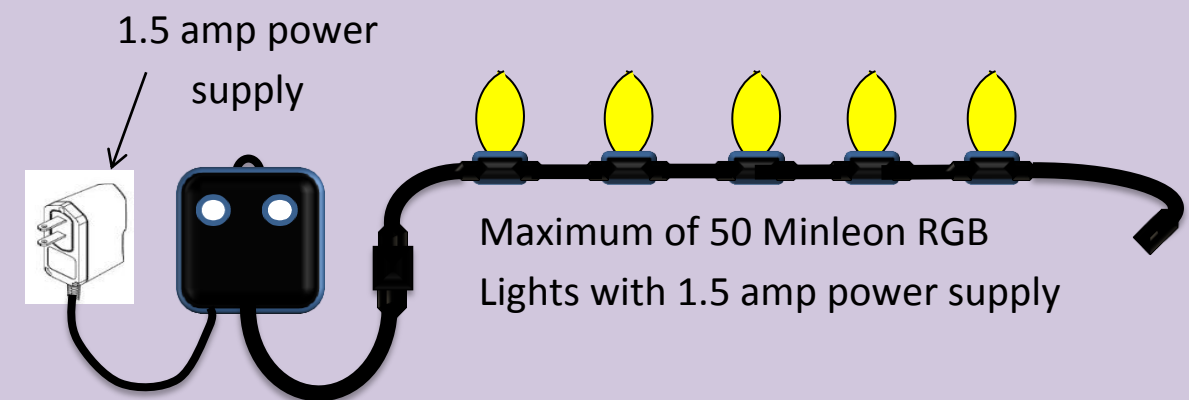
 Always power off the controller before connecting and disconnecting lights

Diagram for connecting the power supply and lights



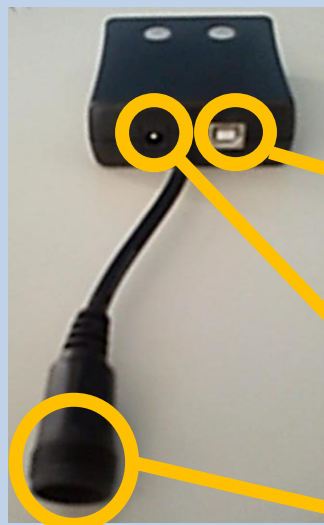
## Adding additional lights

The Minleon Multifunction Mini Controller can control up to 500 Minleon light strings (additional power considerations are required) Connect additional light strings using Minleon accessories, power supplies and lights.

1. Ensure power is disconnected from the controller and that the lights are connected and there are no more than a total of 500 lights connected to the controller.
2. Hold down the play button on the Standard Multifunction Mini Controller whilst powering up the controller until the lights turn on RED in color then release.
3. Press the play button to decrease the number of lights connected
4. Press the variation button to increase the number of lights connected.
5. The last light selected will be flashing BLUE.
6. Once you have the correct number of lights selected then do not touch any of the controllers buttons for 5 seconds until the last light selected turns to solid GREEN. This now confirms that the set number of lights is now stored in memory.

Now disconnect and reconnect power to the Minleon Multifunction Mini Controller to now run the controller with the correct number of lights set

# 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 lights connected

### USB Port

The USB port allows the mini controller to be connected to a computer for direct control via Minleons 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 can have basic control from the controller by using the below function buttons.

### Play Button

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



### Variation Button

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

# USING THE REMOTE CONTROL FUNCTIONS



**o** - on/off

**C1** - select color #1 (press-and-hold to scroll thru the color wheel) [a]

**C2** - select color #2 (press-and-hold to scroll thru the color wheel) [a]

**C3** - select color #3 (press-and-hold to scroll thru the color wheel) [a]

**E1** - select effect #1 (solid)

**E2** - select effect #2 (twinkle)

**E3** - select effect #3 (fading-in-and-out)

**E4** - select effect #4 (chasing)

**E5** - select effect #5 ('lightshow', using all the colors [this selection overrides the above color selections])

**S** - select speed (slow, medium, fast)

**B** - select brightness (bright, dim, dimmer)

**M** - retain to memory favorite sequence (long hold retains/short press recalls)

## SELECTING EFFECT COLORS

### [a] 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 thru the color wheel, repeat for keys 'C2' (bulb #2) for white, and 'C3' (bulb #3) for blue, when done the light string will be alternating red, white, and blue. Colors available are turquoise, green, yellow, gold, orange, red, pink, purple, blue, white and 256 shades transitioning from one color to the next;

- if only want one color; select the 'bulb off' position as you scroll thru the color wheel for the 2<sup>nd</sup> (C2 key) and 3<sup>rd</sup> (C3 key) bulb
- if you only want two colors, then select the 'bulb off' position as you scroll thru the color wheel for the 3<sup>rd</sup> bulb

### [b] Selecting the additional 23 inbuilt controller effects

If you want a larger variety of effects, instead of using the remotes 5 color programmed effects (E1-E5), then use the play button on the mini controller to access 20 more additional effects.

## Additional Mini Controller Effects – Press Play Button on controller

No.	Effect Name	Effect Description	Variation	No.	Effect Name	Effect Description	Variation
1	Test Pattern	test mode		13	Exploder	lights exploding from center	8 speeds
2	Demo Mode	changes effects randomly		14	RGB Flash	Red Green Blue flasher	8 speeds
3	Paint Mode Lights	Uses the lights created in Paint mode		15	Effects Manual Mode	Uses the effects edit mode colors	
4	Color Wheel	all lights cycle through color wheel	4 speeds	16	Color Burst	lights bursting from side	8 speeds
5	Rainbow	rainbow of color	8 speeds	17	Chaser	colored chaser lights	8 speeds
6	Wide Rainbow	wide rainbow of color	8 speeds	18	Ping Pong	back and forth colors from centre	4 speeds
7	Christmas Lights	colors fade in and out	4 speeds	19	Color Glow	glowing colors	4 speeds
8	Color Change	all lights change to new colors	4 speeds	20	Color Waves	colored wave	8 styles
9	Two Color Change	alternate lights change to new colors	4 speeds	21	Color Blend	blends colors across the string	
10	Chaser	colored chaser lights	4 speeds	22	Twinkle	twinkling, flashing lights	4 speeds
11	Ping Pong	back and forth colors	4 speeds	23	Shimmer	Shimmering lights	
12	Expander	colors expanding from center	8 themes				



### Important Notice

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