

# ColorKey

[www.ColorKeyLED.com](http://www.ColorKeyLED.com)



**LED Par 64**  
**1 Watt**

### Mode Selection

The LED Par 64 (1 Watt) has 8 modes or functions that can be set using the Mode select button on the back of the unit. The values for each Mode are set using the Up and Down select buttons located next to the Mode select button. The LED screen above the select buttons will display the Mode or function the unit is set to along with the value set for that function when applicable.

Mode	Screen	Function
<b>DMX Modes</b>		
DMX (3 Channel)	<i>001.</i>	DMX Control 3 Channel DMX <i>001-512</i>
DMX (6 Channel)	<i>001</i>	DMX Control 6 Channel DMX <i>001-512</i>
<b>Stand Alone Modes</b>		
Static Colors	<i>CLO</i>	Static Color Select <i>1-7</i>
Color Jump	<i>J.01</i>	Color Jump Speed Select <i>01-99</i>
Color Fade	<i>F.01</i>	Color Fade Speed Select <i>01-99</i>
Auto Mode	<i>A.00</i>	Runs through Color Jump and Color Fade Modes
Sound Active Mode	<i>S.01</i>	Sound Sensitivity Select <i>01-31</i>
<b>Master / Slave Mode</b>		
Master / Slave	<i>SLA.</i>	Sets unit to Slave Mode

## DMX Mapping - 6 Channel

Channel	Value	Function
1	0-255	Red <i>0% → 100%</i>
2	0-255	Green <i>0% → 100%</i>
3	0-255	Blue <i>0% → 100%</i>
4	0-7	No function
	8-255	Color macro mixing (Will override CH1-CH3)
5	0-16	No function
	17-255	Strobe when using CH1-CH4 Speed/Sound Sensitivity when using CH6
6	0-31	No function
	32-95	Color fading (Will override CH1-CH4)
	96-159	RGB color jump (Will override CH1-CH4)
	160-223	7 color jump (Will override CH1-CH4)
	224-255	Sound activation (Will override CH1-CH4)

### Instructions for using channels 5 and 6 with Color Fading and Color Macros

Channel 5 has 2 basic functions depending on how the other channels are set.

- Strobe Speed:** When channels 1-3 are set to a value between 1-255 channel 5 will control strobing speed. This is also the case with channel 4 when it is set to a value between 8-255. However, any value between 8-255 set for channel 4 will override any value set for channels 1-3. (For example, if channel 2 is set to a value of 55 and channel 4 is set to a value of 100, the unit will use the channel 4 setting of 100 and ignore the channel 2 setting of 55.)
- Color Fading/Jump Speed and Sound:** When channel 6 is set to a value between 32-223 channel 5 will function as a speed control for Color Fading or Color Jumping. When channel 6 is set to a value of 224-255 channel 5 will function as the Sound Sensitivity setting. Any value set for channel 6 between 32-255 will override any value settings for channels 1-4. (For example, if channel 4 is set to a value of 40 and channel 6 is set to a value of 150, the unit will use the channel 6 setting of 150 for RGB Color Jumping and ignore the channel 4 setting of 40.)

## DMX Mapping - 3 Channel

Channel	Value	Function
1	0-255	Red <i>0% → 100%</i>
2	0-255	Green <i>0% → 100%</i>
3	0-255	Blue <i>0% → 100%</i>

**Stand Alone Modes**

---

Static Color Mode

Press MODE Select button until screen reads *CL0*

Press UP or DOWN button to select one of the 7 desired colors:

*CL1* Red, *CL2* Green, *CL3* Blue, *CL4* Purple, *CL5* Yellow, *CL6* Cyan, *CL7* White

Color Jump Mode

Press MODE Select button until screen reads *J.01*

Press UP or DOWN to select the speed from 01-99 (Slow to Fast).

Color Fading Mode

Press MODE Select button until screen reads *F.01*

Press UP or DOWN to select the fade speed from 01-99 steps (Slow to Fast).

Auto Running Mode

Press MODE Select button until screen reads *A.00*

The speed can be set via the speed settings of the Color Changing Mode & Color Fading Mode.

Sound Active Mode

Press MODE Select button until screen reads *S.01*

Press UP or DOWN to adjust the sound sensitivity levels from 01-31 (Low to High).

**Master / Slave Modes**

---

Setting up Master and Slave Units

Set the Master unit to either 3 channel or 6 channel DMX mode. Link the units using 3 pin DMX cable by connecting the DMX out on the master unit to the DMX in on the 1<sup>st</sup> Slave unit. Continue connecting more Slave units in like fashion by connecting the DMX out on the 1<sup>st</sup> Slave unit to the DMX in on the 2<sup>nd</sup> Slave unit and so on to all of the Slave units in the chain (25 units max on a 20 amp circuit). On each of the Slave units press the MODE Select button until the display shows *SLA* for slave mode. Now the slave units will follow the function of the Master unit. (For example, if the Master unit is set to strobe in the purple color macro then all of the slave units will also strobe in the purple color macro.

## Specifications

Specifications	
# LED's	36 1 Watt (12 Red, 12 Green, 12 Blue)
Beam Angle	30°
Colors	16.7 Million
Foot Candles	360
Lux	4133
LED Life Hours	100,000 Hours
Signal Protocol	DMX-512
DMX Channels	3 or 6
Programming Modes	Auto mode, DMX mode, Master / Slave mode, Sound Activation mode
Sound Activated	Yes
Built in Programs	Strobing and Color Fading with Fading Speed Variations
DMX Address Interface	LED Screen
Power Consumption	52 Watts
Power	AC110V 60Hz
Amps	Can run 25 units on a 20 Amp Circuit
Weight	9.1 lbs , 2.3 Kg
Dimensions of Unit	17 x 12 x 10
Housing	Black or Silver