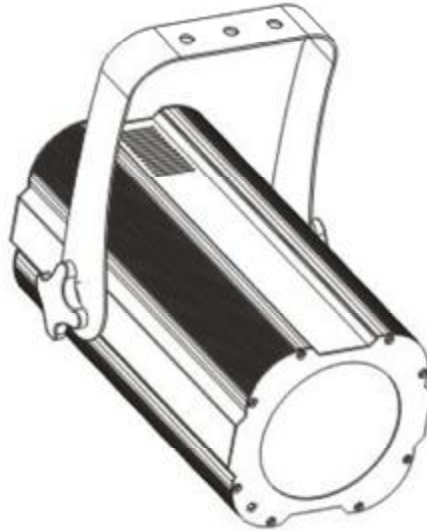# USER MANUAL

Tri-Color COB LED Spotlight
Model 555-16205

The Stellar Labs Tri-Color Spotlight is designed to provide bright, controllable spot with a well–defined 5° beam angle. Full control of the RED, GREEN, BLUE LED's allow virtually infinite control of color blending. The LED design ensures efficient, cool operation, with COB technology providing outstanding brightness and color clarity.

A. SPECIFICATIONS

- Voltage: 100~240VAC, 50Hz~60Hz
- Power consumption: 30W
- LED: COB Tri-30W
- Beam angle: 5°
- Operation mode: LED display, IR Remote (optional)

B. OPERATION

This unit features six modes:

- Multiple Built-in programs
- Auto Run
- DMX control (master / slave)
- Sound active
- Dimming mode
- Static color

C. PROGRAM MENU

- Press MODE to choose the desired operating mode. Repeatedly pressing the MODE button will scroll through the various modes: DMX Channel, Slave, Sound Activated, Static Color, Preprogrammed, and Automatic
- Once in a desired mode, press SETUP to make changes, using the UP or DOWN buttons

Built-in Program Mode

- Press the MODE button multiple times until Prxx is displayed (default is Pr01)
- There are seven available programs, each with a unique sequence of color changes and fades. Without pressing the SETUP key, press UP or DOWN keys to choose Pr01 through Pr07
- If any program is selected, other than PR01, you can control the speed of those changes. While the program is running, press the SETUP key, the display will show SPxx. Using the UP or DOWN keys, you can choose any numerical value from 00 to 99 to adjust the speed (99 is fastest).
- Pr01 is the static color mode. If Pr01 is selected, you have ten colors to choose from. When in Pr01 mode, press the SETUP one time, then press the UP or DOWN keys to scroll through the ten preset colors. At this time, a single color will be displayed, steady on.
- From this point, to strobe these colors, press the SETUP key, the display will read F500. Using the UP and DOWN keys, you can set the unit to strobe. F500 is full on, F501 is slowest rate, F599 is fastest

Auto Run Mode

- Press MODE button multiple times until the display shows AUTO. In this mode, the unit automatically sequences through its seven available programs described above.
- While in the Auto Running Mode, you can adjust the speed in which the programs change, as well as set a strobe rate, if desired. This is accomplished in exactly the same manner as described in the Built-in Program Mode.

Static Color Mode

- Press the MODE button multiple times until COLr appears.
- Press the SETUP button multiple times, you will scroll through the following options:
  - Rxxx – Red color adjustment
  - Gxxx – Green color adjustment
  - bxxx – Blue color adjustment
  - F5.00 – Strobe rate adjustment
- The "xxx" as stated above represents the relative brightness of each color.   000 is off, 255 is the highest brightness.   You can individually adjust the colors of all three RED, GREEN, BLUE emitters to achieve a nearly infinite number of blends for virtually any color
- F5.00 allows you to set the light to strobe. Strobe values range from F5.00 to F5.99 (99 being fastest)

Sound-Activated Mode

- Repeatedly press the MODE button until the display shows SUxx. The display range is SU01~SU31. This is the sound activated mode, the SUxx number represents the sensitivity, with 31 being the most sensitive
- Press the UP or DOWN buttons to adjust the sensitivity

DMX Mode – for use with DMX controller
- There are three DMX modes, 3-channel, 6-channel and 7-channel
- Press the MODE button multiple times until 512 appears in on the display
- Press the SETUP key twice, and the channel mode will display, either 3 / 6 / 7 channel. Use the UP and DOWN keys to toggle between these three modes
- Once the channel mode is set, you can set the beginning DMX channel
- Press the SETUP key twice, the display will display d.001. Using the UP and DOWN keys, you can set the beginning DMX channel

DMX Channel Allocations
7CH Mode

CHANNELS	VALUE	FUNCTIONS
1	0-255	master dimmer
2	0-255	R 0-100%
3	0-255	G 0-100%
4	0-255	B 0-100%
5	0--24	strobe(the color selected by 1CH-4CH strobe)
	25-49	built-in programs auto running
	50-74	built-in programs 2
	75-99	built-in programs 3
	100-124	built-in programs 4
	125-149	built-in programs 5
	150-174	biil-in programs 6
	175-199	built-in programs 7
	200-255	sound active mode
6	0-255	the biger built-in programs running speed,the faster sound active sensitivity speed
7	0-255	the biger strobe frequency value, the higher frequency

DMX Channel Allocations
3CH Mode

CHANNELS	VALUE	FUNCTION
1	0-255	R 0-100%
2	0-255	G 0-100%
3	0-255	B 0-100%

DMX Channel Allocations
6CH Mode

CHANNELS	VALUE	FUNCTIONS
1	0-255	Master dimmer
2	0-255	R 0-100%
3	0-255	G 0-100%
4	0-255	B 0-100%
5	0--10	No use
	11-255	Sound active
6	0--9	No use
	11-255	strobe(color strobe selected by 1CH-4CH),the big value,the higher strobe frequency
	0--255	Sound active sensitivity

Master / Slave Mode

Repeatedly press the MODE button until SLAv appears, this ensures the unit is in the slave mode. In this mode, all internal programming is disabled and the unit will follow standard DMX-512 protocol. It may be controlled either by another identical light fixture or by a standard DMX controller.

Test Mode

This mode allows the user to quickly verify that all three (RED/GREEN/BLUE) LED's are operating properly. This is especially useful in large setups when many light fixtures are installed, and need to be tested one at a time.

Repeatedly press the MODE button until tESt appears. The light will begin blinking one of its three colors. Press the SETUP button once, then using the UP and DOWN keys, you can scroll through the three colors. Each color will strobe at a fixed rate.

LED Display	Description
F - - r	Red strobe
F - - g	Green strobe
F - - b	Blue strobe

Restore Factory Settings

With the unit powered off, simultaneously press the MODE and SETUP buttons. While holding them, power the unit on. This will restore the original factory settings.

Warranty

This Stellar Labs device is warranted, by MCM Electronics against defects for a period of 365 days from the date of purchase. This warranty includes manufacture defects and failure due to normal use and operation. Failure due to misuse, excessive wear or damage, improper installation or other external factors is not covered under this warranty. MCM Electronics is not responsible for any consequential on inconsequential damage to any other unit or component incorporated with this device. There are no other warranties, express or implied, which extend beyond this unit, and there are no warranties of fitness for any particular purpose.   The warranty does not cover consequential damage due to defective or improper use of products.