

# OPERATION MANUAL

## INVENTORY OF YOUR *Merlin* -CW90 BOX

### Inside This Box You Will Find:

1. A 96-270volt 50-60Hz Merlin-CW90 Moving Light
2. A 1.8 meter UL/CE-listed a/c power cord
3. 2X Clamp Mounts

## FUNCTION SUMMARY

- \* Color : RGB color mixing
- \* Strobe : Variable electronic dimmer (0 – 100%) and Variable electronic strobe
- \* Sound-Active, Stand-Alone, Master / Slave, Pan / Tilt and Display Invert
- \* Pan: 520° Tilt: 245°
- \* Automatic Pan/Tilt position correction.
- \* Lamp: High Power RGB LED 90watt Lamp
- \* Size (mm): 270 x 250 x 250
- \* Weight: 5.8 kg



## DMX CHANNEL SUMMARY

Each DMX channel or “handle” coming from a controller has 255 “increments” of power within that “handle”. That channels function and the things triggered by the ascending increments within that channel for your Merlin-CW90 are listed here:

### *Merlin* -W90&W120 DMX CONFIGURATION

CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10	CH11	CH12
Pan	Pan 16bit	Tilt	Tilt 16bit	Pan/Tilt Speed	Strobe	Dimmer	Red.	Green	Blue	Color Mixing	Reset
255	255	255	255	255	255	255	255	255	255	255	255
↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ 0	↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ 0	↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ 0	↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ 0	↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ 0	↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ 0	↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ 0	↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ 0	↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ 0	↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ 0	↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ 0	↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ 0
					254 132 131 11 10					Fast Color Macros slow	190 Reset 128
					Random Strobe ⚡ ⚡ ⚡					128 W 120 → 127 C 101 → 120 M 81 → 100 Y 61 → 80 B 41 → 60 G 21 → 40 R 1 → 20	

**MENU SUMMARY**

Keys:



Scroll Up



Scroll Down



Menu.



Enter

Address	8888	8000	8582	
“Master” or “DMX” Mode	8888	8000	Master	8888 DMX
Sound-Activated Mode	8888	8000	No sound-activated	8888 Stand-alone
Auto Mode	8888	8000	No Auto program	8888 Multi-stepped program
Manual Reset	8888	8000	Responds normally	8888 Default reset setting
Factory Default Setting	8888	8000	Factory Default Setting	8888 Factory Default Setting
Function Test	8888	8000	Responds normally	8888 Function Test
Red Manual Reset	8888	8000	8255	Dimmer Scroll through the menu
Green Manual Reset	8888	8000	8255	Dimmer Scroll through the menu
Blue Manual Reset	8888	8000	8255	Dimmer Scroll through the menu
NO Display	8888	8000	Display reads normally	8888 Close the display for after six second
Display	8888	8000	Display reads normally	8888 Invert the display
TILT invert	8888	8000	Responds normally	8888 Reversed to any control inputs
PAN invert	8888	8000	Responds normally	8888 Reversed to any control inputs

**However,** It could also mean you have a slightly larger problem. It is possible that the zoom lenses has either come loose, slipped down its axle or even became warped and is now rubbing against the sensor. In either case, see our website at [www.toplite.com](http://www.toplite.com) for instructions on fixing/repairing this problem. **DO NOT** use this unit until it is fixed or you could permanently scuff/damage the sensor and render it useless!



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