

# OPERATION MANUAL

## INVENTORY OF YOUR *Merlin* –DW160 BOX

### Inside This Box You Will Find:

1. A 96-270volt 50-60Hz Merlin-DW160 Moving Light wash
2. A 1.8 meter UL/CE-listed a/c power cord
3. 2X Clamp Mounts

## FUNCTION SUMMARY

- \* Zoom: Motorized 28 or 48 degree zoom
- \* 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: Enfis QUATTRO-MINI-DOME RGB LED 160watt Lamp, Over flux 8,500lm
- \* Size (mm): 270 x 250 x 250
- \* Weight: 7.6 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-DW160 are listed here:

Channel	Funtion	Values
1	Moves X-Axis	0-255
2	X-AXIS 16 bit.	0-255
3	Moves Y-Axis	0-255
4	Y-AXIS 16 bit.	0-255
5	Y and X-Axis Speed	0-255, 0 is normal or “fast”
6	Strobe	0-131(Slow-fast), 132-254(Free Strobe), 255(Open)
7	Dimmer Paddle	0-2 (Closed) 3-255 (0 to 100 open dimming)
8	Red Dimmer	0-255(Closed-Open)
9	Green Dimmer	0-255(Closed-Open)
10	Blue Dimmer	0-255(Closed-Open)
11	Color Macros	0-128(Color Mixing) 129-255(Color Macros Fast-slow) And 1-255(Channel 7 don't working)
12	Zoom	0 (48 degrees) , 1-255 (48-28 degrees).
13	Reset/Home,	0-199 (nothing). 200-210 (reset all of its parameters: Position.) 211-255 (nothing).

## MENU SUMMARY

Keys:



Scroll Up



Scroll Down



Menu.



Enter

Address	8888	8888	8888	8588	
“Master” or “DMX” Mode	8888	8888	Master	8888	DMX
Sound-Activated Mode	8858	8888	No sound-activated	8888	Stand-alone
Auto Mode	8888	8888	No Auto program	8888	Multi-stepped program
Manual Reset	8858	8888	Responds normally	8888	Default reset setting
Factory Default Setting	8858	8888	Factory Default Setting	8888	Factory Default Setting
Function Test	8888	8888	Responds normally	8888	Function Test
Red Manual Reset	8888	8888	8255		Dimmer Scroll through the menu
Green Manual Reset	8888	8888	8255		Dimmer Scroll through the menu
Blue Manual Reset	8888	8888	8255		Dimmer Scroll through the menu
NO Display	8888	8888	Display reads normally	8888	Close the display for after six second
Display	8885	8888	Display reads normally	8888	Invert the display
TILT invert	8888	8888	Responds normally	8888	Reversed to any control inputs
PAN invert	8888	8888	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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