

Contents

- FL5600
- IP67 rated 24VDC power supply
- IEC 60320 C13 to NEMA 5-15 AC Power Cable

Fiber Installation Precautions

When using stranded fiber, make certain that no fibers come into contact with the twinkle effect wheel. Contact over time can cause accelerated failure of the twinkle effect wheel motor.

Connector and Switch Diagram

Connectors	Function
	IP67 rated DC connector
	Power Button
	Pushbuttons for Manual Control (2)
	Mini-USB Service Port (Manufacturer use)
	RJ45 Connectors for DMX (2)
	DIP-Switch for DMX Addressing, See Section C
	Intensity Bar

Accessing the DIP-Switch and Intensity Bar

The DIP-Switch and Intensity Bar are located within the FL5600 IP65 rated housing. To access the DIP-switch and Intensity bar, use a T10 Torx screw driver to remove the top cover of the FL5600.

Important: Access the DIP-switch and Intensity Bar only when the present conditions are dry and dust / debris free. Make sure to install the top cover properly before placing the FL5600 back into wet conditions.

Using the Pushbutton

Color

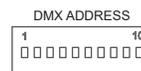
Mode	Color	Dimmable
0	Blank	N/A
1	5000K (1 CH)	Yes
2	Red	Yes
3	Green	Yes
4	Blue	Yes
5	Yellow	Yes
6	Cyan	Yes
7	Magenta	Yes
8	Rainbow	No
9	3000K (Mixed)	No
10	4200K (Mixed)	No
11	5000K (Mixed)	No

Twinkle Wheel

Mode	1	2	3	4	5
Setting	Slow	Slow-Med	Medium	Med-Fast	Fast

Set DMX Address

The DMX address is set by binary dip switches.



Dip-Switches	1	2	3	4	5	6	7	8	9	10
Value when switched up	1	2	4	8	16	32	64	128	256	D

■U= UP ■D= Down

Dip-Switches	1	2	3	4	5	6	7	8	9	10	DMX Add
Example 1	U	U	D	D	U	D	U	U	D	D	211
Example 2	D	D	U	U	U	D	U	D	D	D	92

DMX Channels

DMX Control Channels	Color
1	5000K
2	Red
3	Green
4	Blue
5	Magenta
6	Master Light Intensity
7	Twinkle Wheel
8	Strobe Control

Notes

Twinkle Wheel: 0-1 Wheel stopped, 2-125 clockwise rotation slow to fast, 126-131 Wheel stopped, 132-255 Counter clockwise rotation fast to slow.
Strobe Control: 0-1 No blinking, 2-255 Blink rate slow to fast.



DMX Pin-outs for RJ45 connector

RJ45	Typical Cat-5e Wire Color	Function
1	Orange/White	Data (+)
2	Orange	Data (-)
3	Green/White	Not Used
4	Blue	
5	Blue/White	
6	Green	
7	Brown/White	DMX Ground
8	Brown	DMX Ground

0-10V Dimming Pin-outs for RJ45 connector

RJ45	Typical Cat-5e Wire Color	Function
1	Orange/White	Not Used
2	Orange	
3	Green/White	10V Source
4	Blue	0-10V Sink
5	Blue/White	Not Used
6	Green	
7	Brown/White	Reference
8	Brown	Reference

To set the FL5600 in 0-10V dimming mode, set the DIP-switch pin #10 to the up position.

- Current sink - Connect the variable feed of the controller to both pins 3 and 4. Connect the reference feed of the controller to pins 7 and 8.
- Current source - Connect the variable feed of the controller to pin 4 only. Connect the reference feed of the controller to pins 7 and 8.