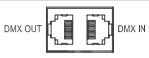
FL5100B
Quick Start Manual

A. Contents

- FL5100B
- IEC 60320 C13 to NEMA 5-15 AC Power Cable
- USB to Mini-USB Cable
- LightMix Software

B. Connector and Diagram Switch

Connectors	Function
	Ⓐ IEC 60320 C14 Plug for AC Input
	Ⓑ Power Switch
	Ⓒ DIP-Switch for DMX Addressing
	Ⓓ Push Buttons for Manual Control (2)
	Ⓔ Mini-USB Port for Programming Standalone Operations
	Ⓕ RJ45 Connectors for DMX (2)
	Ⓖ Male XLR5 Connector for DMX
	Ⓗ Femal XLR5 Connector for DMX

C. Set-up

1. Use Power Cable to connect FL5100B to AC mains
2. Set the power switch so that the (**–**) symbol is pressed down

D. Using the Push Button

Press the Mode push button to find the output setting in sequence as shown in the table below:

Mode	RGBW	RGBA
0	Non-programmable: **Blank**	Non-programmable: **Blank**
1	Static Color: **White**	Static Color: **Blue**
2	Static Color: **Red**	Static Color: **Red**
3	Static Color: **Green**	Static Color: **Amber**
4	Static Color: **Blue**	Static Color: **Green**
5	Static Color: **Yellow**	Static Color: **Orange**
6	Static Color: **Cyan**	Static Color: **Chartreus**
7	Static Color: **Max Intensity 5000K White**	Static Color: **Max Intensity 5000K White**
8	Timed Color Sequence: **Rainbow**	Timed Color Sequence: **Rainbow**
9	Timed Color Sequence: **Default Blank**	Timed Color Sequence: **Default Blank**
10	Timed Color Sequence: **Default Blank**	Timed Color Sequence: **Default Blank**
11	Timed Color Sequence: **Default Blank**	Timed Color Sequence: **Default Blank**

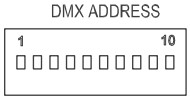
Press the Twinkle Wheel push button to activate the twinkle wheel with speed in sequence as shown in the table below:

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

E. DMX Controls

DMX Addressing

The DIP-Switch settings are binary.The value of these settings represents the DMX address of the first of the series of eight DMX channels shown in the following table.



Examples of Dip-switch settings ▪U= UP ▪D= Down ▪N= Null

Dip-Switches	1	2	3	4	5	6	7	8	9	10	*Totals
Value when switched up	1	2	4	8	16	32	64	128	256	N	-
Example 1	U	U	D	D	U	D	U	U	D	N	211
Example 2	D	D	U	U	U	D	U	D	D	N	92

*Totals: DMX address of fixtures first control channel

DMX Channels / DMX Channel Table for RGBW:

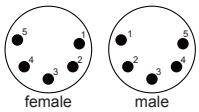
Channel	Definition	Values
1	White channel	0-255
2	Red channel	
3	Green channel	
4	Blue channel	
5	Max 5000K White	
6	Master light intensity	
7	Twinkle Wheel	0-1: Wheel stopped; 2-125: Wheel turns clockwise from slow (2) to fast (125); 126-131: Wheel Stopped; 132-255: Wheel turns counter clockwise from fast (132) to slow (255)
8	Strobe control	0-1: No Blinking; 2-255 blink rate increases from slow (2) to fast (255)

DMX Channel Table for RGBA:

Channel	Definition	Values
1	Blue channel	0-255
2	Red channel	
3	Green channel	
4	Amber channel	
5	Max 5000K White	
6	Master light intensity	
7	Twinkle Wheel	0-1: Wheel stopped; 2-125: Wheel turns clockwise from slow (2) to fast (125); 126-131: Wheel Stopped; 132-255: Wheel turns counter clockwise from fast (132) to slow (255)
8	Strobe control	0-1: No Blinking; 2-255 blink rate increases from slow (2) to fast (255)

DMX Pin-outs

The DMX data Pin-outs for the respective connector types on the FL5100B are as follows:



RJ45	XLR5	Function
1	3	Data (+)
2	2	Data (-)
3	5	Not Assigned
4	-	Internal Use Only
5	-	Internal Use Only
6	4	Not Assigned
7	1	DMX Ground
8	1	DMX Ground

FiberLamp™
http://www.fiberlamp.com
1689 Regatta Blvd, Richmond, Ca 94804
sales@diconlighting.com / (510) 620-5000