

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

Press the Pushbutton 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.

DMX ADDRESS							
1							10
□	□	□	□	□	□	□	□

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:

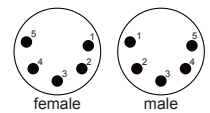
Channel	Definition	Values
1	White channel	0-255
2	Red channel	
3	Green channel	
4	Blue channel	
5	Max 5000K White	
6	Master light intensity	
7	Twinkle Wheel	0-1: Wheel stopped; 2-125: Wheel turns clockwise from slow (2) to fast (125); 126-131: Wheel Stopped; 132-255: Wheel turns counter clockwise from 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

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