FEATURES AND SPECIFICATIONS

LEDs: 18pcs x 8W, Quadcolor RGBW 4 in 1
Lens Beam Angle: 25°
DMX Channels: 4/7 CH
DMX Data In/Out: 3 Pin XLR connectors
Control Modes: DMX, Autorun, and Host/Slave
Built-in Auto Programs
Display: 4 character LED
Operating Voltage: 120 VAC, 50/60 Hz
Max. Power Consumption: 160W
Power Connections: 20A Powercon
Refresh Rate: >400 Hz
Cooling: 2 fans
Housing Color: Black
IP Rating: IP20
Environment Temp: -30°C-50°C
Dimensions: 40"L X 4 3/8"D X 4 3/8"H (with brackets)
Net Weight: 15 lbs

DESCRIPTION

The FXLD818B4I is a RGBW LED light bar lighting fixture. It is suitable for stage, disco, night club, and other artistic applications. It has several stand alone control modes and can operate via a DMX-512 external signal.

Adjustable mounting brackets are included.

INSTALLATION

LOCATION

The FXLD818B4I is rated IP20 and is intended for INDOOR USE ONLY.

Locate the unit in a well ventilated area away from moisture and heat. Attach the unit using the brackets provided. Keep the vent holes clear. Use a safety cable when hanging the fixture.

POWER CONNECTIONS

⚠ **CAUTION**
RISK OF ELECTRIC SHOCK

The FXLD818B4I has a blue powercon style connector for power input. A compatible power cable is provided for connection to a 120 VAC, 15 Amp, 50/60Hz, grounded service. Push the blue connector on the cable straight into the blue connector on the unit and twist aprox. 1/8 turn clockwise to latch it.

The white powercon style connector on the unit is used to pass power on to another FXLD818B4I unit. A mating white connector is also provided.

Caution is advised since the line cord is rated for aprox. 7 Amps maximum.

THE SAFETY GROUND TERMINAL ON THE POWER CABLE MUST BE USED.

DMX CONNECTIONS

A system using DMX control should be connected as a chain of devices. In other words the control signal cable should proceed from the controller to the first receiving device and then to others in a continuous "daisy chain" fashion.

The fixture has a DMX IN and a DMX OUT connector to be used to connect the chain. The control cable should NOT be split into a multiple run star arrangement with a cable running from the controller directly to each receiving device pack.

DMX CONNECTOR PIN ASSIGNMENTS

There are two different connectors generally used for DMX control. They are both XLR type connectors.

Some units use 3 pin connectors. Others use 5 pin. The FXLD818B4I DMX signal is received on the 3 pin MALE connector on the back of the unit. The 3 pin FEMALE connector is used to connect to the next device on the DMX chain.

The table below shows the signal pin assignments for BOTH 3 pin and 5 pin connectors.

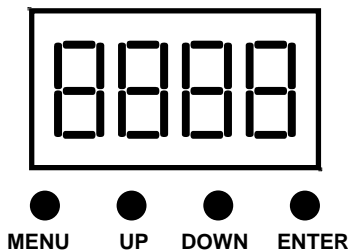| PIN #	SIGNAL NAME
1	DMX COMMON
2	DMX DATA -
3	DMX DATA +
4	NOT USED
5	NOT USED

DMX TERMINATION

A DMX chain should be terminated at the last receiving device on the chain. This is done by installing a commonly available 1/4 Watt, 120 Ohm resistor across the DATA - and DATA + wires at the last device. If you have only a few fixtures very close together and a very short run to the controller then you may be able to operate without the terminator.

OPERATION

The unit powers up to the state it was in when last powered off.

A control panel area on the back of the unit is used to set the operating options. It consists of an LED display and four buttons (MENU, UP, DOWN, and ENTER)

CONTROL PANEL

MENU   UP   DOWN   ENTER

Push MENU to access the operating options and scroll through the available options. When you reach the option you want to set or change - use UP or DOWN to set a value. Push ENTER to save your changes and activate the option. See the MENU NAVIGATION table for additional details.

DMX OPERATION

Use the **A.XXX** menu to set the unit starting address. The range is from 001 to 511.

The fixture can use either 4 or 7 DMX channels. Use the **4cH** or **7cH** menu to select the mode. The ENTER button toggles between the two modes

Note that channels 8 - 11 could be generated by using the custom strobe effect for channel 7.

The tables DMX VALUES AND FUNCTIONS give the details for 4, and 7 channel operation.

AUTO OPERATION

The FXLD818B4I can automatically run 1 of 8 stand alone effects programs. Use the **AuTo** menu to turn them ON and OFF.
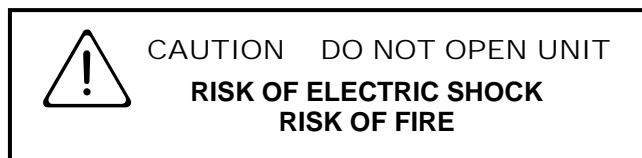
PROGRAMS MODE

The FXLD818B4I has four preset programs which enable various colors and effects. Use the **EdIT** menu and its submenus to set the values for each of the 4 programs.

MASTER/SLAVE OPERATION

The FXLD818B4I can operate in a Master/Slave mode where one of the units can synchronize and control other units of the same model.

Connect the units together using the DMX IN and DMX OUT connectors. Use the SLAVE/HOST menu to set one of the units to be the **HoST**. Set the remaining units as **SLAv**.

MAINTENANCE AND REPAIR

⚠ **CAUTION   DO NOT OPEN UNIT**
RISK OF ELECTRIC SHOCK
RISK OF FIRE

TROUBLESHOOTING

Check that you have power applied to the unit.

Check the DMX control cable.

Check the address setting of the unit and the controller.

CLEANING

Do not use harsh chemicals or solvents when cleaning the fixture. A mild detergent can be used sparingly if needed. Ensure that the unit is completely dry before re-use.

REPAIR

The fixture contains a 2 Amp, fast acting, 5mm x 20mm externally accessible fuse. Replace the fuse ONLY with the same size and type.

The FXLD818B4I does not contain any other user serviceable parts. Internal service on the unit by other than Lightronics authorized agents will void the warranty.

If service is required, contact the dealer from whom you purchased the item, or contact the Lightronics, Service Department, 509 Central Drive, Virginia Beach, VA 23454. Tel: 757 486 3588.

MENU NAVIGATION

Main Menu	Sub Menu	Option	Value	Function
A.001	A.***		0 - 511	Set the DMX starting address
7cH / 4cH			4 or 7	Set the number of DMX channels to use
AuTo	AT*F/AT*O		1 - 8	Select 1 of 8 auto programs F = OFF O=ON
EdIT	Pr*F/Pr*O F = OFF O = ON	r.***	0 - 255	Red Intensity
		g.***	0 - 255	Green Intensity
		b.***	0 - 255	Blue Intensity
		E.***	0 - 255	White Intensity
		S.***	0 - 255	Soft color mix effect - fast to slow
		T.***	0 - 255	Run time (seconds) for sequence of programs
		F.***	0	No strobe
			1 - 79	Strobe effect 1 - fast to slow
			80 - 159	Strobe effect 2 - fast to slow
			160 - 239	Strobe effect 3 - fast to slow
			240 - 255	Custom strobe effect - fast to slow
		F1.**	0 - 99	Custom strobe fade up time (0 - 2.2 sec.)
		F2.**	0 - 99	Custom strobe on hold time (0 - 2.2 sec.)
		F3.**	0 - 99	Custom strobe fade down time (0 - 2.2 sec.)
		F4.**	0 - 99	Custom strobe off hold time (0 - 2.2 sec.)
SLAv/HoST				Set unit as a Slave or the Host

DMX VALUES AND FUNCTIONS

FOUR CHANNEL MODE

CHANNEL NO.	FUNCTION
1	0 - 255 Red Level
2	0 - 255 Green Level
3	0 - 255 Blue Level
4	0 - 255 White Level

SEVEN CHANNEL MODE

Note that channels 8 - 11 will be generated for the custom strobe effects.

CHANNEL NO.	FUNCTION
1	0 - 255 Red Level
2	0 - 255 Green Level
3	0 - 255 Blue Level
4	0 - 255 White Level
5	0 - 255 Master Level for CH 1 - 4
6	0 - 255 Color Mix Effects
7	0 No Strobe
	1 - 79 Effect #1 fast ot slow
	80 - 159 Effect #2 fast to slow
	160 - 239 Effect #3 fast to slow
	240 - 255 Custom Effect slow to fast
CH 8 - 11 exist only if CH 7 is set to 240 or greater	
8	0 - 255 Fade Up Time 0 - 2.2 sec.
9	0 - 255 On Hold Time 0 - 2.2 sec.
10	0 - 255 Fade Down Time 0 - 2.2 sec.
11	0 - 255 Off Hold Time 0 - 2.2 sec.

WARANTY

WARRANTY

This product is warranted for a period of TWO YEARS from the date of purchase against defects in materials and workmanship.

This warranty is subject to the following restrictions and conditions:

A) If service is required, you may be asked to provide proof of purchase from an authorized Lightronics dealer.

B) This warranty is valid only for the original purchaser of the unit.

C) This warranty does not apply to damage resulting from abuse, misuse, accidents, shipping, and repairs or modifications by anyone other than an authorized Lightronics service representative.

D) This warranty is void if the serial number is removed, altered or defaced.

E) This warranty does not cover loss or damage, direct or indirect arising from the use or inability to use this product.

F) Lightronics reserves the right to make any changes, modifications, or updates as deemed appropriate by Lightronics to products returned for service. Such changes may be made without prior notification to the user and without incurring any responsibility or liability for modifications or changes to equipment previously supplied. Lightronics is not responsible for supplying new equipment in accordance with any earlier specifications.

G) This warranty is the only warranty either expressed, implied, or statutory, upon which the equipment is purchased. No representatives, dealers or any of their agents are authorized to make any warranties, guarantees, or representations other than expressly stated herein.

H) This warranty does not cover the cost of shipping products to or from Lightronics for service.

I) Lightronics Inc. reserves the right to make changes as deemed necessary to this warranty without prior notification.