

DLB50

DMX LED Light Bar

Item ref: 154.290UK

User Manual





Caution: Please read this manual carefully before operating
Damage caused by misuse is not covered by the warranty

Introduction

Thank you for choosing the DLB50 DMX LED light bar as part of your lighting display. This product is designed to offer colour and movement to walls and ceilings with full internal or DMX control. Please read this manual in full to achieve the best results from your purchase.

Unpacking

Your DLB50 should reach you in good condition, supplied with appropriate mains lead(s) and mounting feet. If there is any damage or items missing from the packaging, contact your dealer immediately.

Warning

To prevent risk of fire or electric shock, do not expose any components to rain or moisture. If liquids are spilled on the housing, disconnect mains, allow unit to dry out and have the unit checked by qualified personnel before further use.

No user serviceable parts inside – do not open – refer all servicing to qualified personnel.

Safety

- Check for correct voltage and condition of IEC lead before connecting to power outlet
- Ensure DMX leads are in good condition with no short connections or damaged plugs
- Do not daisy chain IEC mains for more than 30 units

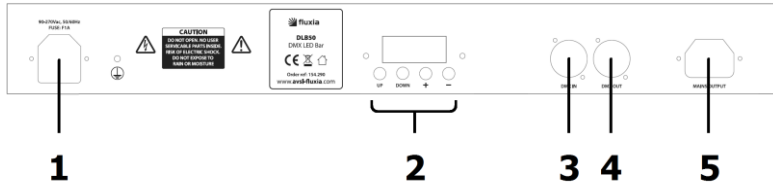
Placement

- The DLB50 is supplied with mounting feet which allow the bar to tilt on its axis
- The mounting feet can be used to fix the DLB50 to a wall or ceiling if required
- If mounted at height, attach a drop cable for safety
- Ensure adequate access to controls and connections

Cleaning

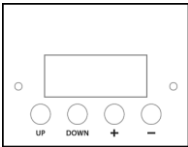
- Use a soft dry or slightly damp to clean the cabinet and lenses. Do not use solvents

Panel layout



1. IEC mains inlet and fuse
2. Control panel and display
3. DMX IN connector (XLRM)
4. DMX OUT connector (XLRF)
5. IEC mains daisy-chain outlet

Control panel & display



- | | |
|------|-----------------------------------------|
| UP | Press to step up through menu options |
| DOWN | Press to step down through menu options |
| + | Press to increase value |
| - | Press to decrease value |

Setting up

Connect the IEC inlet (1) of the DLB50 to mains power using the IEC mains lead provided. Power for additional DLB50 bars can be daisy-chained using IEC outlets (5) for up to 30 units.

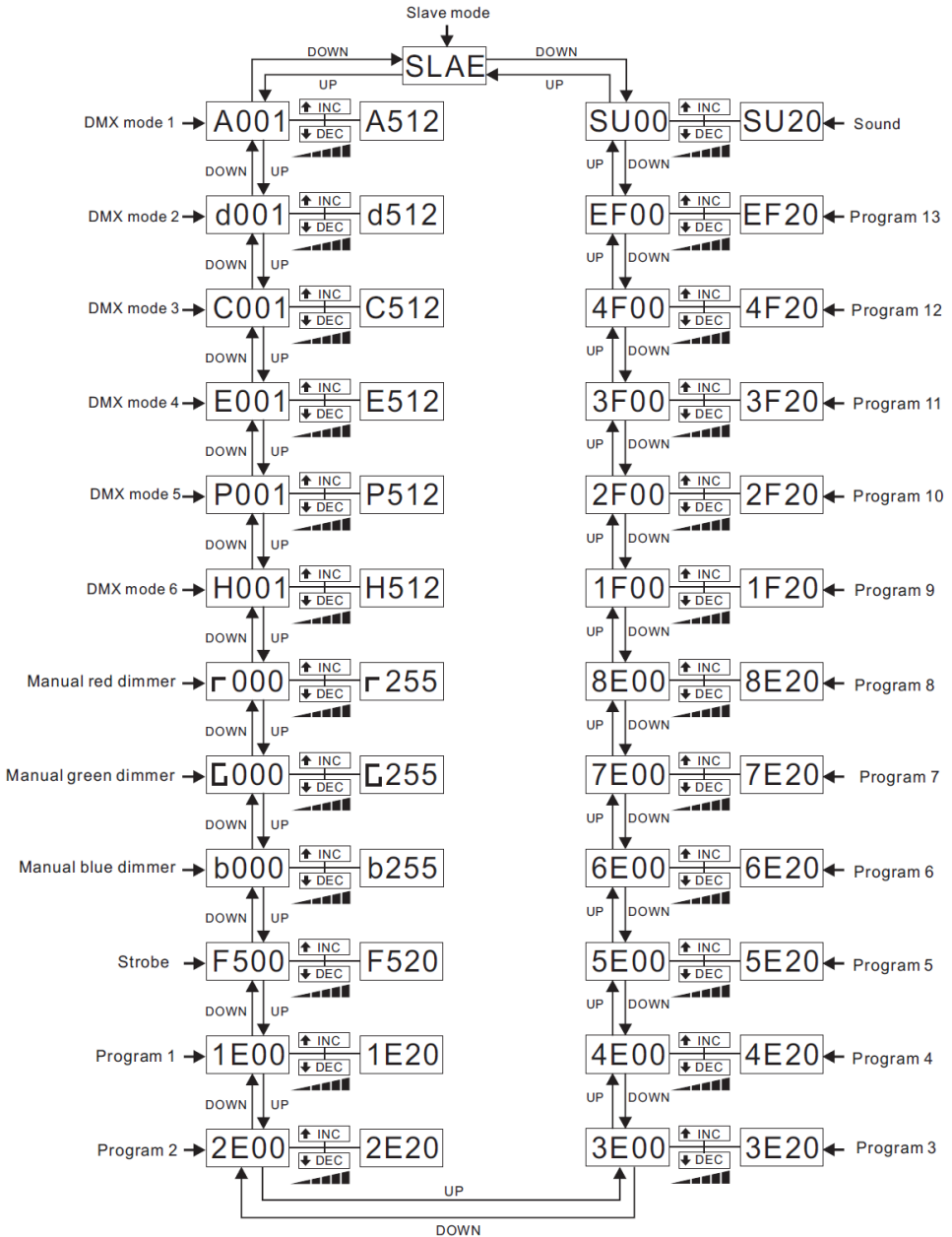
Connect DMX from a controller or previous lighting fixture to the DMX IN XLR connector (3)
Connect DMX on to further units from the DMX OUT XLR connector (4)

Depending upon the position of the DLB50, the best effect can be achieved by aiming the beam across a flat surface, such as a wall or ceiling. Adjust the tilt accordingly for best results.

The DLB50 can operate via various DMX modes or from internal programs. Using the control panel and display, step through the menu pages for the desired settings and adjust values to suit. This process is shown in detail on the next page.

When not in use for long periods, disconnect the DLB50 from the mains supply.

Menu flow chart



DMX Mode 1

CH1			CH2
NO.	DMX value	FUNCTION	SPEED
1	0-11	OFF	SPEED 0-255
2	12-23	Red	
3	24-35	Green	
4	36-47	Blue	
5	48-59	Yellow	
6	60-71	Purple	
7	72-83	Cyan	
8	84-95	White	
9	96-107	PROGRAM01	
10	108-119	PROGRAM02	
11	120-131	PROGRAM03	
12	132-143	PROGRAM04	
13	144-155	PROGRAM05	
14	156-167	PROGRAM06	
15	168-179	PROGRAM07	
16	180-191	PROGRAM08	
17	192-203	PROGRAM09	
18	204-215	PROGRAM10	
19	216-227	PROGRAM11	
20	228-239	PROGRAM12	
21	240-251	PROGRAM13	
22	252-255	Sound Mode	

DMX Mode 2

CH1	CH2	CH3
R	G	B
0-255 dimming	0-255 dimming	0-255 dimming

DMX Mode 3

CH1	CH2	CH3	CH4
R	G	B	Master dimmer
0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming

DMX Mode 4

CH1	CH2	CH3	CH4	CH5	CH6	CH7
R	G	B	R	G	B	R
0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming

CH8	CH9	CH10	CH11	CH12	CH13	CH14
G	B	R	G	B	flash	Master dimmer
0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 Flash frequency	0-255 dimming

DMX Mode 5

CH1	CH2	CH3	CH4			CH5	CH6	CH7
R	G	B	NO.	DMX value	FUNCTION	SPEED	FLASH	Master dimmer
0-255 dimming 0=OFF	0-255 dimming 0=OFF	0-255 dimming 0=OFF	1	0-11	OFF	SPEED 0-255	0-4 OFF	0-255 dimming (0=OFF)
			2	12-23	Red			
			3	24-35	Green			
			4	36-47	Blue			
			5	48-59	Yellow			
			6	60-71	Purple			
			7	72-83	Cyan			
			8	84-95	White			
			9	96-107	PROGRAM01			
			10	108-119	PROGRAM02			
			11	120-131	PROGRAM03			
			12	132-143	PROGRAM04			
			13	144-155	PROGRAM05			
			14	156-167	PROGRAM06			
			15	168-179	PROGRAM07			
			16	180-191	PROGRAM08			
			17	192-203	PROGRAM09			
			18	204-215	PROGRAM10			
			19	216-227	PROGRAM11			
			20	228-239	PROGRAM12			
			21	240-251	PROGRAM13			
						22	252-255	Sound Mode

DMX Mode 6

CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9
R	G	B	R	G	B	R	G	B
0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming
CH10	CH11	CH12	CH13	CH14	CH15	CH16	CH17	CH18
R	G	B	R	G	B	R	G	B
0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming
CH19	CH20	CH21	CH22	CH23	CH24	CH25	CH26	
R	G	B	R	G	B	flash	Master dimmer	
0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 flash 0=OFF	0-255 Light 0=OFF	

Specifications

Power supply	90-270Vac, 50/60Hz (IEC)
Fuse	F1AL
Power consumption	18W
Housing material	Aluminium
Housing colour	Black
Beam angle	40°
LED type	10mmØ high output
LED power	75mW
LED lifespan	50,000 hours
Total luminous flux	955lm
LED quantity	160 (64 red, 48 green, 48 blue)
DMX channels	2, 3, 4, 7, 14 or 26
Projection distance	6m
Luminous efficacy	53lm/W
DMX connection	3-pin XLR (in/out)
Operating temperature range	-20 to 45°C
Operating humidity range	0 - 90%
Internal Programmes	Strobe, sound & 13 x auto
Dimensions	540 x 67 x 65mm
Weight	1.3kg

Troubleshooting

No power (mains)	Check mains voltage is correct and outlet is switched on
	Check IEC lead and fuse (if fuse continually blows, refer to your dealer)
No light output	Check control panel mode settings (internal program, slave, DMX etc.)
	Check DMX settings from controller (dimmer levels, blackout etc.)
Unresponsive to DMX	Check DMX connection and leads
	Check that DMX mode is enabled (set "Addr" on control panel)
DMX control not working as expected	Check DMX mode in the menu settings
	Check DMX start address



Disposal: The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

*Errors and omissions excepted.
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