

DLB100

DMX LED Light Bar

Item ref: 154.291UK

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 DLB100 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 DLB100 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

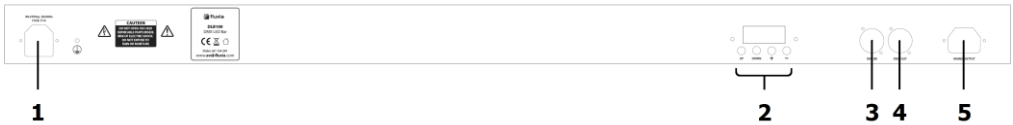
Placement

- The DLB100 is supplied with mounting feet which allow the bar to tilt on its axis
- The mounting feet can be used to fix the DLB100 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

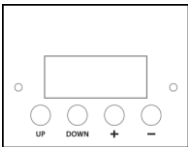
- Use a soft dry or slightly damp to clean the cabinet and lenses. Do not use solvents

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 DLB100 to mains power using the IEC mains lead provided. Power for additional DLB100 bars can be daisy-chained via IEC outlets (5) for up to 30 units.

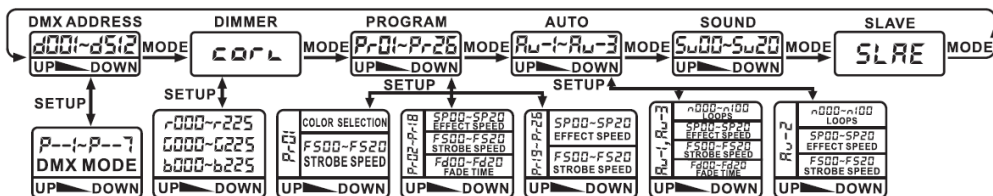
Connect DMX from a controller or previous lighting fixture to the DMX IN XLR connector (3)
Connect DMX on to further units from the DMX OUT XLR connector (4)

Depending upon the position of the DLB100, 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 DLB100 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 DLB100 from the mains supply.

Menu flow chart



DMX Mode 1

			CH1			CH2		
NO.	DMX value	FUNCTION	19	126-132	PROGRAM11	SPEED		
1	0-6	OFF	20	133-139	PROGRAM12	SPEED 0-255		
2	7-13	Red	21	140-146	PROGRAM13			
3	14-20	Yellow	22	174-153	PROGRAM14			
4	21-27	Green	23	154-160	PROGRAM15			
5	28-34	Cyan	24	161-167	PROGRAM16			
6	35-41	Blue	25	168-174	PROGRAM17			
7	42-48	Purple	26	175-181	PROGRAM18			
8	49-55	White	27	182-188	PROGRAM19			
9	56-62	PROGRAM01	28	189-195	PROGRAM20			
10	63-69	PROGRAM02	29	196-202	PROGRAM21			
11	70-76	PROGRAM03	30	203-209	PROGRAM22			
12	77-83	PROGRAM04	31	210-216	PROGRAM23			
13	84-90	PROGRAM05	32	217-223	PROGRAM24			
14	91-97	PROGRAM06	33	224-230	PROGRAM25			
15	98-104	PROGRAM07	34	231-237	PROGRAM26			
16	105-111	PROGRAM08	35	238-244	PROGRAM27			
17	112-118	PROGRAM09	36	245-251	PROGRAM28			
18	119-125	PROGRAM10	37	252-255	Sonud 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
Master dimmer	R	G	B
0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming

DMX Mode 4

CH1	CH2	CH3	CH4	CH5						CH6	CH7	CH8
Master dimmer	R	G	B	NO.	DMX value	FUNCTION	19	126-132	PROGRAM11	SPEED	FADE Time	FLASH
0-255 Light 0=OFF	0-255 Light 0=OFF	0-255 Light 0=OFF	0-255 Light 0=OFF	1	0-6	OFF	20	133-139	PROGRAM12	SPEED 0-255	FASH Time	FLASH 5-255
				2	7-13	Red	21	140-146	PROGRAM13			
				3	14-20	Yellow	22	174-153	PROGRAM14			
				4	21-27	Green	23	154-160	PROGRAM15			
				5	28-34	Cyan	24	161-167	PROGRAM16			
				6	35-41	Blue	25	168-174	PROGRAM17			
				7	42-48	Purple	26	175-181	PROGRAM18			
				8	49-55	White	27	182-188	PROGRAM19			
				9	56-62	PROGRAM01	28	189-195	PROGRAM20			
				10	63-69	PROGRAM02	29	196-202	PROGRAM21			
				11	70-76	PROGRAM03	30	203-209	PROGRAM22			
				12	77-83	PROGRAM04	31	210-216	PROGRAM23			
				13	84-90	PROGRAM05	32	217-223	PROGRAM24			
				14	91-97	PROGRAM06	33	224-230	PROGRAM25			
				15	98-104	PROGRAM07	34	231-237	PROGRAM26			
				16	105-111	PROGRAM08	35	238-244	PROGRAM27			
				17	112-118	PROGRAM09	36	245-251	PROGRAM28			
				18	119-125	PROGRAM10	37	252-255	Sonud Mode			

DMX Mode 5

CH1	CH2	CH3	CH4	CH5	CH6	CH7
Master dimmer	flash	R	G	B	R	G
0-255 Light 0=OFF	0-255 Light 0=OFF	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming
CH8	CH9	CH10	CH11	CH12	CH13	CH14
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

DMX Mode 6

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	R	G
0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming
CH15	CH16	CH17	CH18	CH19	CH20	CH21
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
CH22	CH23	CH24				
R	G	B				
0-255 dimming	0-255 dimming	0-255 dimming				

DMX Mode 7

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	CH27
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
CH28	CH29	CH30	CH31	CH32	CH33	CH34	CH35	CH36
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
CH37	CH38	CH39	CH40	CH41	CH42	CH43	CH44	CH45
R	G		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
Ch46	Ch47	Ch48						
R	G	B						
0-255 dimming	0-255 dimming	0-255 dimming						

Specifications

Power supply	90-270Vac, 50/60Hz (IEC)
Fuse	F1AL
Power consumption	36W
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	1910lm
LED quantity	320 (128 red, 96 green, 96 blue)
DMX channels	2, 3, 4, 8, 14, 24 or 48
Projection distance	9m
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	1020 x 67 x 65mm
Weight	1.89kg

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.
Copyright© 2014. AVSL Group Ltd.*

