



PARTY SERIES

B1**8x8 LED&LASER BAR**

PRODUCT MANUAL

Eight individually controllable LED lenses, eight laser apertures and motorized movement



AC 100-230 V
50/60 Hz INPUT

23CH
DMX512 CONTROL

8 + 8
LASER / LED HEADS

180°
SCAN EFFECT RANGE

READ THIS MANUAL BEFORE INSTALLATION OR OPERATION

Keep this manual for safe installation, service and DMX programming.

PRODUCT OVERVIEW

The B1 is a motorized hybrid effect fixture that combines eight laser apertures with eight LED lenses in one slim bar. It produces aerial beam, water-line, strobe and rhythmic chase effects for clubs, mobile DJs, stages and event venues. Operation is available through DMX512, automatic programs, sound-active mode and master/slave linking.

BEFORE POWERING ON

Inspect the housing, lenses, mounting points and power cable. Mount the bar securely and attach an independent safety cable for any overhead installation.

CLASS 4 LASER WARNING

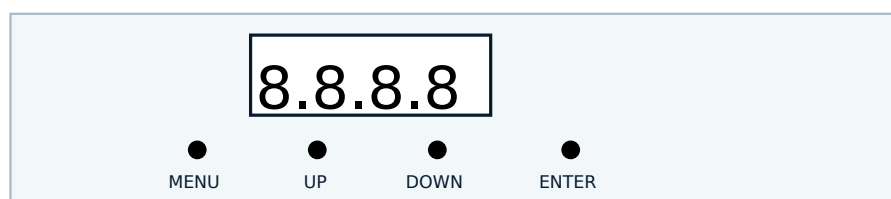
High-power laser output may cause eye injury. Operation must be supervised by trained personnel. Never direct laser beams into an audience, vehicles or aircraft.



TECHNICAL PARAMETERS

Item	Specification
Product model	B1
Product type	Motorized 8-laser + 8-LED effect bar
Power supply	AC 100-230 V, 50/60 Hz $\pm 10\%$
Laser output	4,000 mW total for the 8 x 500 mW red version; output varies by selected color configuration
Laser wavelength / modulation	638 nm red for the single-red version; TTL modulation
LED source	8 fixed-color LED lenses; LED color depends on selected configuration
Beam angle	Approx. 3-5°
Motor / scan range	Main motor position up to 540°; internal laser effect scanning up to 180°
Control protocol / channels	International standard DMX512 / 23 channels
Control modes	DMX512, auto, sound-active and master/slave
Display	4-digit LED display with MENU, UP, DOWN and ENTER buttons
Housing / cooling	Aluminium housing with forced-air cooling
Working environment	Indoor use; -20°C to 55°C; keep dry and well ventilated

DISPLAY PANEL AND BUTTON OPERATION



Button	Function	Description
MENU	Menu	Move through the main menu and return to the previous level.
UP	Increase	Increase a value or move to the next option.
DOWN	Decrease	Decrease a value or move to the previous option.
ENTER	Confirm	Open a submenu and save the selected value.

IMPORTANT OPERATING NOTES

- After changing a setting, press ENTER to save it. The fixture normally resumes the last saved mode after restart.
- For master/slave operation, disconnect the DMX controller from the master fixture, then link the fixtures using DMX cables.
- Use a proper 120-ohm DMX cable for long runs and terminate the last fixture when required.
- Keep the cooling openings clear and allow the fixture to cool before handling or packing.



MENU FUNCTIONS

Display	Value / Option	Function / Remark
Addr	A001-A512	Set the DMX512 starting address.
SLND	MAST / SLAV	Select master or slave operation.
Shnd	SOUd / AUTO	Select sound-active or automatic running mode.
Manu	LED1-LED8 / LS1-LS8 / MOTO / STRO	Manual output test for each LED, each laser, motor movement and strobe.
Sens	0-100	Sound sensitivity. 0 disables response; 100 is the highest sensitivity.
Led	ON / OFF	Display backlight switch.
Test	-	Run the automatic fixture test.
Ver	V100 or installed version	Show the installed software version.

DMX512 CHANNEL FUNCTIONS - 1 TO 12

Set the correct DMX starting address before connecting the controller. All channel values are decimal values from 0 to 255.

CH	DMX Value	Function / Remark
1	0-255	Motor position from 0 to 540°.
2	0-255	Motor movement speed from fast to slow.
3	0-127	Master output OFF.
3	128-255	Master output ON.
4	0-15	Steady output / no strobe.
4	16-255	Strobe speed increases from slow to fast.
5	0-127 / 128-255	LED 1 OFF / ON.
6	0-127 / 128-255	LED 2 OFF / ON.
7	0-127 / 128-255	LED 3 OFF / ON.
8	0-127 / 128-255	LED 4 OFF / ON.
9	0-127 / 128-255	LED 5 OFF / ON.
10	0-127 / 128-255	LED 6 OFF / ON.
11	0-127 / 128-255	LED 7 OFF / ON.
12	0-127 / 128-255	LED 8 OFF / ON.

DMX NOTE

Channels 5-12 switch the eight LED lenses individually. The visible LED color depends on the B1 color configuration ordered.



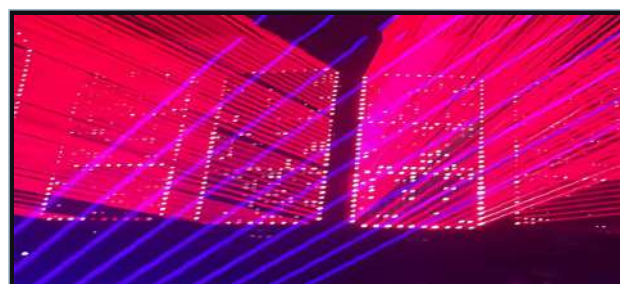
DMX512 CHANNEL FUNCTIONS - 13 TO 23

CH	DMX Value	Function / Remark
13	0-127 / 128-255	Laser 1 OFF / ON.
14	0-127 / 128-255	Laser 2 OFF / ON.
15	0-127 / 128-255	Laser 3 OFF / ON.
16	0-127 / 128-255	Laser 4 OFF / ON.
17	0-127 / 128-255	Laser 5 OFF / ON.
18	0-127 / 128-255	Laser 6 OFF / ON.
19	0-127 / 128-255	Laser 7 OFF / ON.
20	0-127 / 128-255	Laser 8 OFF / ON.
21	0-15	No built-in effect. Channels 1-20 operate normally.
21	16-127	Run the built-in automatic effect.
21	128-255	Run the built-in effect while motor position and speed are controlled by CH1 and CH2.
22	0-255	Built-in effect speed from slow to fast.
23	0-249	No function.
23	250-255	Whole-fixture reset. Hold the value for approximately 5 seconds.

TYPICAL DMX AND MASTER/SLAVE SETUP



DMX mode: assign non-overlapping addresses unless identical operation is intended. Master/slave mode: remove the controller, set the first fixture to MAST and all linked fixtures to SLAV.



Use haze or fog only where permitted and maintain clear, controlled laser scan zones.



LASER SAFETY, INSTALLATION AND MAINTENANCE

DISCONNECT POWER

Disconnect the fixture from mains power before installation, inspection, cleaning or maintenance. Allow the housing and optical components to cool before touching them.

INSTALLATION & ELECTRICAL SAFETY

- Indoor use only. Keep away from rain, water droplets and prolonged humidity.
- Use a properly grounded AC supply within the rated voltage range.
- Keep all ventilation openings clear and do not cover the fixture during operation.
- For overhead mounting, use a suitable clamp and an independent safety cable.
- Do not open or modify the fixture. Internal service must be performed by qualified personnel.

LASER SAFETY - HIGH POWER OUTPUT

- The B1 may contain Class 4 laser output. Use only under trained and responsible supervision.
- Never stare into an aperture or aim the output at people, animals, vehicles, aircraft or reflective surfaces.
- Do not audience-scan unless the installation has been professionally assessed and complies with local law.
- Establish a controlled projection zone, secure the fixture and keep an accessible means of emergency power isolation.

RECOMMENDED CLEANING AND INSPECTION

Interval	Procedure
Weekly	Wipe the housing with a soft, slightly damp, lint-free cloth.
Monthly	Clean optical lenses with suitable optical cleaner and a soft cloth.
Monthly	Remove dust from ventilation openings and verify unobstructed airflow.
Before overhead use	Inspect screws, brackets, clamps, mounting points and the safety cable.
As required	Stop use immediately if there is abnormal noise, smell, heat, output or movement.

TROUBLESHOOTING

Symptom	Check / Action
No power	Confirm the mains supply, power cable and fuse. Use only the rated voltage.
No DMX response	Check the starting address, cable polarity, controller output and final-line termination.
No sound-active response	Increase SENS, move the fixture closer to the sound source and confirm sound-active mode.
Irregular movement	Power-cycle the fixture, run TEST and make sure nothing blocks the motorized bar.
Laser or LED head not operating	Run MANU test. If one head still fails, discontinue use and contact qualified service.

STARSHINE LIGHTS SUPPORT

Product Model: B1
 Website: www.starshinelights.com
 Email: sales@starshinelights.com

Keep the product serial number, purchase information and a short video of the issue available when requesting support.

