FLASH

SERIES: DJ

LASER 1W RGB 15kpps SD/DMX

User Manual

EAN [5905358808467]

Art No F4000170

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DANGER! LASER RADIATION. AVOID DIRECT BEAM IRRADIATION. **CLASS 3B LASER PRODUCT.**

WARNING! Use a clamp to secure the device. Lock the clamp with the fasteners.

WARNING! When attaching the unit to a truss or other structure at an angle other than the yoke hanging vertically downward, use a half-joint type clamp.

WARNING! Position or cover the unit so that the front optical elements are not exposed to sunlight or any other strong light source at any angle - even for a few seconds. **See Figure 1**. optical elements can focus sunlight, posing a potential fire hazard and causing damage.

IMPORTANT: Do not direct strong light from other devices to the device, as intense lighting can damage the mechanical-optical.
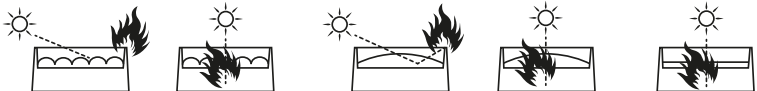
Figure 1.

INTRODUCTION

THANK YOU FOR PURCHASING **LASER 1W**. FOR SAFETY REASONS AND TO ENSURE THE TROUBLE-FREE OPERATION, CAREFULLY READ THE INSTRUCTIONS.

SAFETY INFORMATION

■ Please keep this User Manual for future consultation. If you sell the fixture to another user, be sure that they also receive this instruction booklet.

■ Unpack and check carefully there is no transportation damage before using the fixture.

■ Before operating, ensure that the voltage and frequency of power supply match the power requirements of the fixture.

■ It's important to ground the yellow/green conductor to earth in order to avoid electric shock.

■ Disconnect main power before servicing and maintenance.

■ Use safety chain when fixes this fixture. Don't handle the fixture by taking its head only, but always by taking its base.

■ Maximum ambient temperature is: 40°C Don't operate it where the temperature is higher than this.

■ In the event of serious operating problem, stop using the fixture immediately. Never try to repair the fixture by yourself.

Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.

■ Do not connect the device to any dimmer pack.

■ Do not touch any wire during operation and there might be a hazard of electric shock.

■ To prevent or reduce the risk of electrical shock or fire, do not expose the fixture to rain or moisture.

■ The housing must be replaced if they are visibly damaged.

■ Do not look directly at the light spot while the fixture is on.

INFORMACJA O PRODUKCIE

- Laser colors: R/G/B
- Laser power: 1W
  R: 300mW, G: 70mW,
  B: 700mW, 15KPPs
- POwer supply:
  100-240V, 50/60Hz AC
- Operating Mode: DMX512
  /Auto/Sound/TF Card
  (Micro SD)/Master-Slave
- Ilość kanałów DMX: 15

- IP Rating: IP20
- Housing type: Steel
- AC IN/OUT: IEC
- 3-Pin XLR DMX Input/Output
- Net weight: 2.2 kg /brutto: 2.4
- Net dimensions:
  H(8,5)xW(18,2)xD(21-19)cm
- Wymiary z opakowaniem:
  H(16,5)xW(24)xD(22,5)cm

INSTALACJA

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture. The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people and has no one pass by or under it.

**The package includes
The following items are
included:**

1 - Laser RGB (1pc)
2 - Power cord type
     IEC (1pc)
3 - Mounting bracket (1pc)
4 - MicroSD card (TF) (1pc)
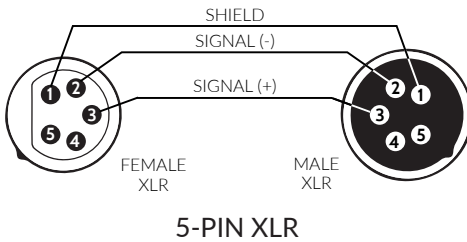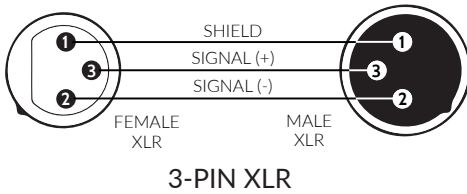5 - User Manual (1pc)

User
Manual

POŁACZENIE

The device is equipped with the following interfaces:
1. DMX (in/out): XLR 3(5)-pin socket
2. Power (in/out): powerCON socket
The connection is performed using cable with
XLR-female -> XLR-Male plugs.

3-PIN XLR

5-PIN XLR

CAUTION! At the last fixture, the DMX signal has to be terminated with a terminator. Solder a 120Ω resistor between signal (-) and signal (+) into a XLR plug and plug it in the DMX output of the last fixture.

Diagram of connection of devices by DMX cable.

DMX Controller   DMX 512   DMX 512   120Ω

The connection is performed using power cable with IEC connector (included). The device must be operated by qualified personnel.

CAUTION! In the case of cable damage do not attempt to repair. Replacement or repair can be made only on the manufacturer or by a person

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with appropriate permissions. Using lamp, the change rate of power voltage should be within ±10%, if the voltage is too high, it will shorten the light's life; if it's not enough, the lamp will be dark. Please restart it after turning off light for 20 minutes until full-cooling. Frequent switching will reduce the life span of lamps and bulbs; intermittent using will improve the life of bulbs and lamps.

Rear panel diagram.

① - DMX IN   ⑥ - Turned UP
② - DMX OUT   ⑦ - TF Card (Micro SD)
③ - AC Power Input   ⑧ - MODE
④ - Rings
⑤ - Loop DOWN

Press the **MODE** key to switch MODE.
UP and **DOWN**: short press switches working files
in PRG and ILDS mode, long press changes the working folder and changes the acoustic sensitivity in acoustic (Sound) mode.
Operating modes. Prg Mode: Prg list mode (sequential playback function), playback according to the edit order of Prg files, according to the

according to the editing order of Prg files, short press „UP" and „DOWN" to change the Prg list, long press „UP" and „DOWN" to change the working folder. **ILDA mode:** ILDA playback mode. Loop on a single ILDA file (with ILDA extension, case-insensitive), short press „UP" and „DOWN" to change ILDA file, long press to change working folder. **Audio Mode:** audio mode, playback of internal audio programs, press „UP and DOWN" to change the audio sensitivity. **Auto Mode:** auto mode, playback of internal auto programs. **Dmx Mode:** Dmx mode, press „UP" and „DOWN" to change the Dmx address. **Phasic:** phase setting, press „UP" and „DOWN" to change the phase. **Size:** modify the projection size.

Voltage Specyfication.

Input Voltage	Total Power	Frequency
100~240V AC	12W	50/60Hz

DMX CHART

CH No	FUNCTION	VALUE	DESCRIPTION
1	MODE SELECTION	0-9	NO FUNCTION
		10-49	AUTO FUCTION
		50-99	VOICE CONTROL
		100-199	AUTO SD CARD FUNCTION
		200-255	MANUAL MODE
2	FIGURE SELECTION	3-255	FIGURE SELECTION
3	STROBE	0-10	NO STROBE
		11-199	AUTOMATIC STROBE
		200-255	ACUSTIC STROBOSCOPIC

CH No	FUNCTION	VALUE	DESCRIPTION
4	RGB COLOR	0-16	WHITE
		17-33	RED
		34-50	GREEN
		51-67	BLUE
		68-84	YELLOW
		85-101	PURPLE
		102-118	GREEN GRASS
		119-135	WHITE, RED, GREEN AND BLUE
		136-151	BLUE, YELLOW, PURPLE, CYAN, PURPLE, 7 COLORS SUBSTRACTION
		152-169	WHITE, RED, GREEN, BLUE, YELLOW, CYAN, PURPLE 7 COLORS SUBSECTION
		170-186	WHITE, RED, GREEN, BLUE, 4 COLORS FOLOWING
		187-203	WHITE , RED , GREEN , YELLOW , PURPLE AND BLUE FLOW
		204-220	DISPLAY BE BREAK POINT SECTION
		221-254	DISPLAY BE BREAK POINT SECTION
		255	VOICE CONTROL COLOR CHANGE
5	X AXIS DIRECTION	0-125	MANUAL POSITION ADJUSTMENT
		126-185	AUTOMATIC LEFT-RIGHT CIRCULAR MOTION
		186-225	AUTOMATIC SKIPRIGHT AND LEFT CIRCULATION MOVMENT
		226-245	AUTOMATIC IRREGULAR JUMP
		246-255	VOICE CONTROL JUMP ERRATICALLY
6	Y AXIS DIRECTION	0-125	MANUAL POSITION ADJUSTMENT
		126-185	AUTOMATIC UP AND DPWN CIRCULATION
		186-225	AUTOMATIC JUMPING UP AND DOWN CYCLE MOVING
		226-245	AUTOMATIC IRREGUULAR JUMP
		246-255	VOICE CONTROL JUMP ERRATICALL

CH No	FUNCTION	VALUE	DESCRIPTION
7	ZOOMING	0-10	NO FUNCTION
		11-87	MANUAL RESIZE
		88-150	AUTOMATIC ZOOM FROM SMALLEST TO LARGEST (SLOW TO FAST)
		151-200	AUTOMATIC ZOOM FROM LARGEST TO SMALLEST (SLOW TO FAST)
		201-255	LOOP PLAYBACK
8	ROTATION AROUND THE X AXIS	0-10	NO FUNCTION
		11-128	MANUAL ROTATION
		129-255	AUTO ROTATION (SLOW TO FAST)
9	ROTATION AROUND THE Y AXIS	0-10	MANUAL ROTATION
		11-128	MANUAL ROTATION
		129-255	AUTO ROTATION (SLOW TO FAST)
10	CENTRAL ROTATION	1-128	MANUAL ROTATION
		129-192	AUTOMATIC CLOCKWISE ROTATION (SLOW TO FAST)
		193-255	AUTOMATIC COUNTERCLOCKWISE ROTATION (SLOW TO FAST)
11	GRADUALLY DRAW	0-10	NO FUNCTION
		11-41	MANUALLY ADJUST THE FADE
		42-74	NO FUNCTION
		75-104	AUTOMATIC FADE (ADD) (SLOW TO FAST)
		105-144	AUTOMATIC CLIPPING (MINUS) (SLOW TO FAST)
		145-184	AUTOMATIC CYCLE (FADE SLOW TO FAST)
		225-255	ASYMPTOTIC DRAWING (SUBTRACTION)

CH No	FUNCTION	VALUE	DESCRIPTION
12	X AXIAL WAVE	0-10	NO FUNCTION
		11-69	SMALL AMPLITUDE WAVES (SLOW TO FAST)
		70-129	MEDIUM AMLITUDE WAVES (SLOW TO FAST)
		130-189	LARGE WAVES (SLOW TO FAST)
		190-255	MAXIMUM WAVES (SLOW TO FAST)
13	Y AXIAL WAVE	0-10	NO FUNCTION
		11-69	SMALL AMPLITUDE WAVES (SLOW TO FAST)
		70-129	MEDIUM AMLITUDE WAVES (SLOW TO FAST)
		130-189	LARGE WAVES (SLOW TO FAS)
		190-255	MAXIMUM WAVES (SLOW TO FAST)
14	DISPLAY MODE	0-63	NO FUNCTION
		64-127	HIGHLIGHT DISPLAY
		128-191	SEGMENTED DISPLAY
		192-255	DOT DISPLAY
15	MANUAL MODE CLOSE THE LIGHT	0-127	OPEN LIGHT
		128-255	CLOSE THE LIGHT

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