



LED INSTALLATION KM003RGB

MANUAL

WARNING: READ THESE INSTRUCTIONS BEFORE USING THE DEVICE

ÿ Use only the supplied power source and power cord. If you do not know the power settings for the public network, contact your dealer or

local electricity supplier.

ÿ Do not break the ground terminal from the power cord.

ÿ Do not attempt to bug the fuse or use a fuse of a different rating.

ÿ Do not attempt to repair the unit yourself, as removing covers may expose you to electrical shock and other risks.

ÿ Let a qualified person handle the repairs.

Repair is required if the apparatus has been damaged in any way, such as the plug or power cord has been damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

ÿ Do not remove the safety equipment from the polarized or grounding plug. A polarized plug is a plug with one of the probes wider than the other (*when powered by 110 volts*). The grounding plug is equipped with two probes and one grounding shank. The wide stylus and third shank are for safety. If the supplied plug does not fit into your outlet, consult an electrician for replacement of the outlet.


ÿ Do not use the amplifier in damp or wet conditions.

ÿ The power cord should be unplugged if you are not using the device for a long period of time.

ÿ Do not step on or kink the cord, especially close to the plug and jack of the device.

ÿ When the appliance or mains plug is used to turn off device, the switch of the device itself will remain in the ON position.

NOTE

1. This unit is a Class IV product.
2. Read the user manual carefully before using the device. Do not disassemble or attempt to repair the instrument yourself. In case of problems, contact a technician or local dealer.
3. Installation of the device must be carried out by a specialist.
Do not expose the device to humid or dusty air.
4. 5. Do not touch the instrument with wet hands, when turning off the power, do not pull the power cable too hard.
6. Do not turn on and off the device repeatedly, and do not leave the device turned on for a long time.
7. Avoid strong vibration or shock.
Avoid getting foreign objects into the device.
8. 9. Keep the distance from the device and to the illuminated object at least 1 meters.
10. Connect the power cable only after the system has been installed.
11. Before turning on the system, make sure the power cable is connected right.
cool down. After continuous operation of the unit for 3 hours, turn off the system 12. for 25 minutes to
Turn on the computer after turning on the system, or you should turn off 13.
turn on the computer again.
14. When transporting the instrument, use the original packaging.
15.  This symbol means that the device must not be disposed of together with household waste.

EQUIPMENT

Before operating, please read this manual and strictly follow the instructions to prevent personal injury and product damage caused by incorrect operation.

When unpacking, inspect the equipment for damage caused by transportation and the presence of all of the following elements:

Installing KM003RGB	1	User manual DB9 female	1
Power cable	1	connector	1

INSTALLATION

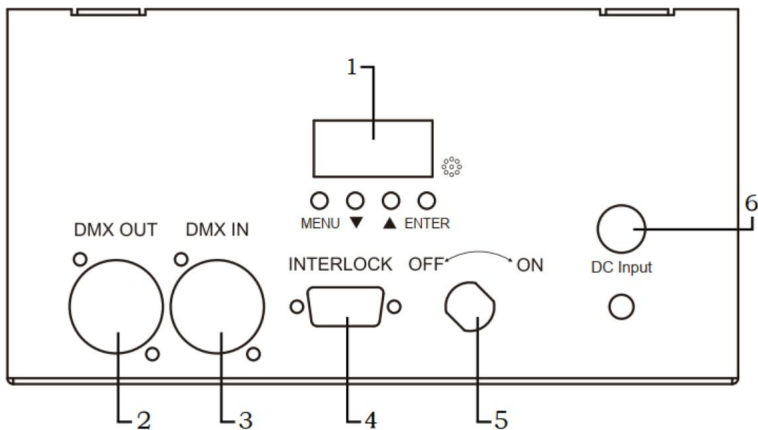
1. Make sure there are no flammable or explosive objects at least 1.5 meters away. At the same time, the distance between the wall and the laser machine should be more than half a meter.
2. Check that the supply voltage matches the voltage of the installation.
3. Make sure the fan and hood are not blocked.
4. The laser machine must be securely fixed.
5. For safety, you must connect a ground wire to the main connector.

ATTENTION

Turn off the power during installation and maintenance.

DMX

		DMX-512 Function	
CH1	Control mode	0-9	DMX control
		10-127	AUTO mode
		128-255	AUDIO mode
CH2	When DMX<9	0-63	Big picture (no grid)
		64-127	Grid 1 (Firefly)
		128-191	Lattice 2 (Laser Ripples)
		192-255	Lattice 3 (One Dimensional Lattice)
	When CH1>9	0-255	Speed in AUTO mode (from slow to fast)
CH3 laser pattern		0-255	Choice of laser animation
CH4	Laser size pattern	0-63	Size selection
		64-127	Speed selection (slow to fast)
		128-191	Speed selection (fast to slow)
		192-255	Zoom speed selection up and down
CH5	Rotation selection laser pattern	0-127	Rotation angle selection
		128-191	Forward rotation speed selection
		192-255	Reverse speed selection
CH6	Position selection horizontal jump	0-127	Selecting the position of the horizontal jump
		128-255	Horizontal jump speed selection
CH7	Position selection vertical jump	0-127	Choosing a vertical jump position
		128-255	Vertical jump speed selection
CH8	Choice of horizontal pattern positions	0-127	Choosing a Horizontal Position
		128-255	Horizontal speed selection movements
CH9	Selecting a vertical pattern positions	0-127	Choosing a vertical position
		128-255	Vertical speed selection
CH10	Laser color selection	0-9	Laser off
		10-127	Selecting a Specified Laser Color
		128-191	Single color water effect (speed from slow to fast)
		192-255	Single color and multi-color water effect (speed from slow to fast)
CH11 Water effect speed 0-255			From slow to fast
CH12	Display mode	0-127	Normal display
		128-255	Dot display
CH13	Scan speed pattern	0-255	From slow to fast
CH14 Laser path selection Laser		0-255	Path choice
CH15	path speed	0-255	From slow to fast



BACK PANEL

1. Display panel
2. DMX signal output
3. DMX signal input
4. INTERLOCK
5. Switch
6. DC power connector

DIGITAL DISPLAY

	MENU UP/DOWN	Default	Function	
1	ADDR 1-512		1	DMX Add Setting / Console Mode / Master-Slave / setting mode
2	AUTO			AUTO mode
3	SOUND			AUDIO mode
4	SPEE	SP.01---SP.09 9		AUTO mode speed setting, from slow to fast
5	SENSE	SE.01 --- SE.09 9		Setting the speed of the AUDIO mode, from slow to fast
6	TEST			Test chart output at full brightness

TECHNICAL SPECIFICATIONS	
Parameters	Model KM003RGB
Light source	Laser LEDs Red/Green/Blue
Adapter	12V, 2A
Power	Variable 100-240V
Laser Power	Kr100mW Zel30mW Sin50mW
Scanning Angle	±18°
Control Modes DMX	Auto / Audio / DMX
Channels	15
effects	Can display more than 50 built-in programs, e.g. a scattering laser network, slowly rotating colored fan, space-time tunnel, etc. (can be programmed according to customer's request)
Dimensions	188 x 165 x 98.5 mm
Weight, net/gross	1.6 / 2.2 kg

Accessories: Power cord, INSTRUCTION MANUAL

NOTE: *In order to improve product quality, product specifications and appearance are subject to change without notice.*

MAINTENANCE

Clean the lens regularly. Do not use damp cloth or chemicals, but only cotton swab with alcohol to clean the lens. The frequency of maintenance depends on the frequency of use and the operating conditions of the product. It is recommended to check clearance every 15 days.

The product comes in good condition complete set. The end user of this product must follow all instructions and warnings above. Any damage caused by misuse, malfunction or problem caused by ignoring the instructions is not covered by the manufacturer's or dealers' repair warranties.

All Big Dipper Laser Science and Technology products have an anti-counterfeiting label, please check the label and make sure it is original to protect your rights. Please pay attention to the anti-fake label.

The electric lighting installation meets the approved samples and requirements of the standards: Declaration of Conformity TR TS 020/2011 "Electromagnetic Compatibility of Technical Equipment", TR TS 004/2011 "On the Safety of Low-Voltage Equipment".

The warranty period is 6 months from the date of sale by the store, subject to the buyer's compliance with the rules of storage and operation. In case of detection of manufacturing defects, the owner has the right to repair or replace the device free of charge during the warranty period. Claims for the quality of goods without presenting a passport with a store stamp and a store receipt are not accepted.


The warranty period is extended by the time the device is being repaired. mark about extension is entered in the passport.

The warranty does not cover consumables such as:

- Lamps
- Cables
- Speakers

Attention! The warranty does not cover:

- malfunctions caused by non-compliance with the requirements specified in the User's Guide;
- malfunctions caused by foreign objects or liquids entering the device
- mechanical damage caused by the fault of the buyer.

Name	Electric lighting installation for non-domestic purposes	
Manufacturer	BIG DIPPER INVESTMENT CO., LIMITED ýýýýý: No. 42, Caiyun Road, Longteng Industrial Area, Ailian, Longgang District, Shenzhen, PR China	
Country of origin	China	
Trademark (marking)	BIG DIPPER	
Model marking	KM003RGB	
Importer to the Russian Federation:	LLC "Lutner SPb" 195027, St. Petersburg, Ave. Metallistov, house 7, letter A, office 405 Postal address: 191124, St. Petersburg, PO Box 15, tel (812) 611-00-97 www.lutner.ru	
Name (model) Factory serial		
number		
Date of sale		
Seller's signature		
Seller stamp		

The serviceability of the device was checked in the presence of the buyer. With warranty terms familiarized:

Buyer _____