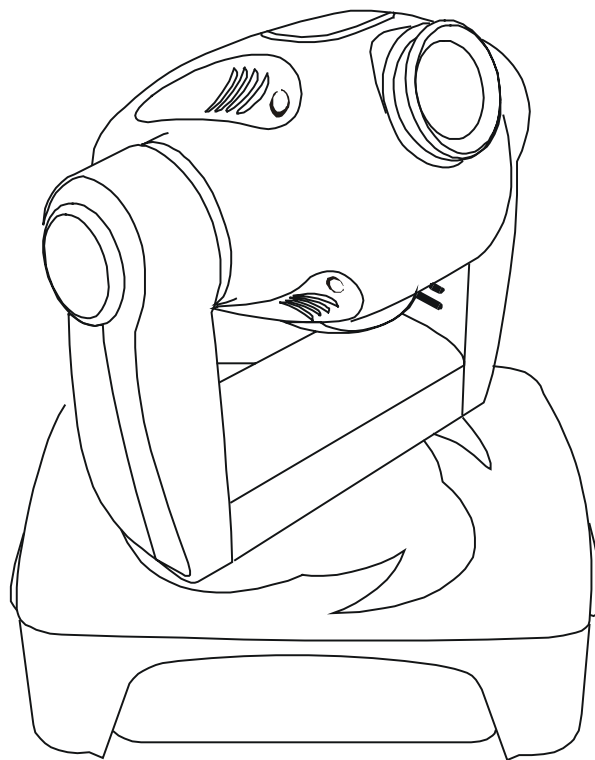




LT - VIII
LASER MOTORHEAD LIGHT
USER MANUAL



Please read over this manual before operation the light



Open box to check

- This product use new high temperature-resistance project plastic to make. It has a beautiful surface to show the characteristic of new stage lights. You could choose the color you like. It is made accord CE standard. It accord with the international DMX512 agreement. Single or several can be used at same time. It could be used in different place.
- The product use semiconductor laser moving mirror scan to make many kinds of gobos and the size of gobos adjustable. Light touch control switch and code display make operation easier. When you receive the product, take it gently check if there is problem which cause in transportation. At the same time please pay attention to see if there are some parts enclosed:
 - 1 Power line
 - 1 Fuse line
 - 1 User manual

Installation

- Please confirm whether the voltage you have is same as signed on the light before install.
- Installed by technician. It muse be placed safety and best light angle.
- Must keep space between light equipments and combustibles more than half a meter. Keep space between light equipments and wall more than 0.15 meter.
- The fans and vent-pipes should not be jammed by other equipment and decorate materials.
- There have a fuse line connection hole at the bottom of light. Please use a fuse line that could stand 10 double of light's weight to drill through fuse line connection hole to help install in safety view.
- The light must be fixture installed.
- In safety view please put ground wire into the ground.

Attention

- Please do not open the bottom cover yourself without permission. Operate it accord the user manual. Please call the technician in case the machine broken down.
- Do not use it under the damp and rain.
- Pay attention to prevent the light from strong bump.
- Prevent the dust into the product
- Keep the vent-pipe well while working.
- Keep the plug insert well before put into power.
- Don't look the light directly to prevent make some destroy with eyes. Don't light or extinguish frequently, otherwise the life span of the light tube will be shortened.
- In view of the special characters, after operated the light an hour the product shall be paused about 15 minutes before be used next time.
- Don't touch the product and draw the power line if you hand wet.
- Keep the space between light equipments and the lighted things more than one meter.
- Don't open the cover for there have no parts the user can repair.
- Don't operate the light without lamps.
- If the semiconductor laser doesn't as light as before or there have some destroy with lens or other parts, please contact the distributor in time.
- When you want to retransfer the products, you'd better use the original package to shockproof.

Instruction & Function

- The product use international standard DMX512 signal to control. Through use light touch switch and code show screen you can easy to set DMX channel and function operate.
- **ON/OFF SECURITY KEY SWITCH:** security on/off key switch
- After turn on, code show screen will show the DMX channel (once you set the DMX channel and store them it will show you latest setting value).

➤ DMX channel setting way:

1. Press up or down key to change the channel address of show.
2. Press enter key to confirm the change. The green light will shine to indicate the light already store the channel address.
3. The product will show the latest setting value when you operate next time.

Single Machine Mode

➤ The product can operate by single mode without controller.

Press fung key continuous, the code screen will show the function operate code of products in proper order. Every function operate code corresponding special function as following:

Function Code	Parallelism Function
001	DMX control
002	Sound control
003	Auto-procedure
004	Subordinate operate
005	Address code set
006	Sound active auto speed (set)
007	Reset, on or off
008 ... 00B	Keep

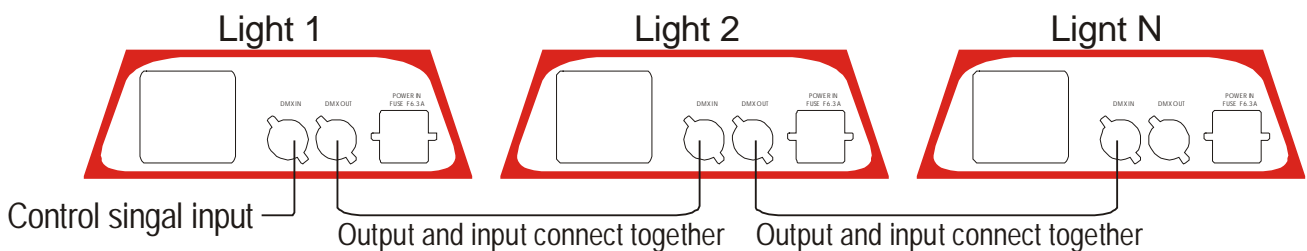
- After the code screen show the function operate code, if you press up or down the code screen will show N (NO) or Y (YES).
- You can press enter to confirm when the function operate code screen show Y . At the same time the green light will shine and the product will make this function setting effect and store. When the function operate code screen show N , you also can press enter to make this function setting out of effect and store.
- Set light at sound active station. The light auto-black out without sound active music input.

Controller Operate Mode

- The product has 8 operate channel and use international standard DMX512. The details as following:

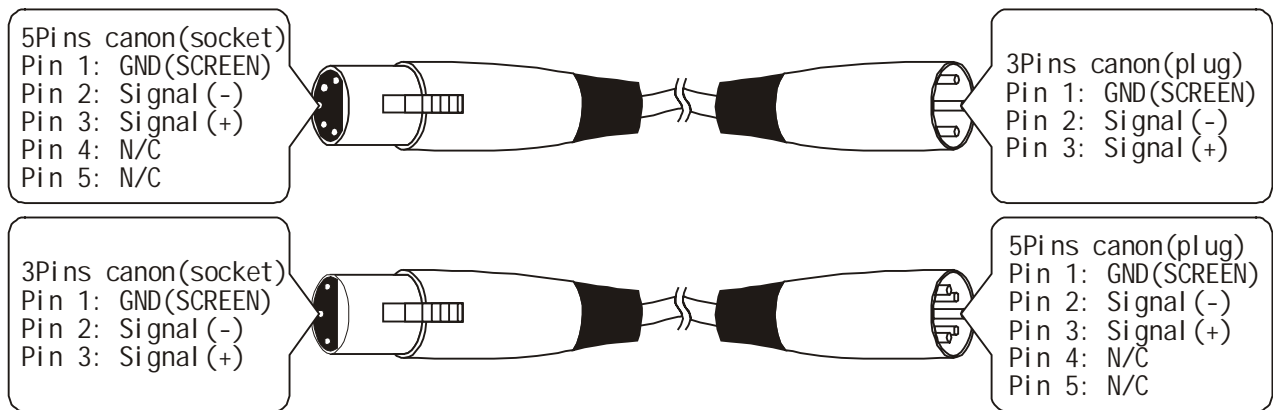
Channel	DMX512 value	function
1 X line	0-255	0-370 (horizontal)
2 Y line	0-255	0-265 (vertical)
3 picture	0-255	12 pictures, average DMX value (Can change accord user require)
4 picture roll (vertical)	0-255	roll Y line like mirror image compress fold
5 picture roll (horizontal)	0-255	roll X line like mirror image compress fold
6 picture roll	0-255	roll around the center (0-360)
7 picture size	0-255	bigger or smaller from the center (0-biggest, 255-smallest)
8 reset	0-255	0-127 open light, 128-254 black out, 255 reset.

- Connect the XLR-XLR control line from the DMX output of controller to DMX input of each product and connect the DMX output of the first one to the DMX input of the second one. Connect all products in this way. Then use the attached circle plug to connect the signal output of last machine like picture show:



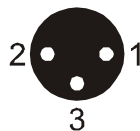
- Note: Please remember the signal output of last machine must connect the attached circle plug. The circle plug connect a 120 resistance between 2 feet and 3 feet canon plug. The signal reflects phenomena can be avoided by using circle plug during DMX 512 signal transfer.
- The product use 3 feet XLR plug. If the controller you use is 5 feet XLR plug, you must use a interchange line from 5 feet to 3 feet as following picture:

The transform of the controller line of 3 pins and 5 pins (plug and socket)



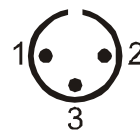
3 pins canon connect to the input of DMX512 connection

OUTPUT



Pin 1: Screen
Pin 2: Signal -
Pin 3: Signal +

INPUT



- When it controlled by DMX512, you must install ADDR on the light. One light has 8 channels. Please Install it as follows:
- Calculate address number: calculate formula: $ADDR=8 \times N-8$
- Example: No.1 light ADDR=0; No.2 light ADDR=8;
 No.3 light ADDR=16; No.4 light ADDR=24;

Principal/subordinate same step control mode

- Don't connect any lines to DMX input entrance. DMX channel can be set freely. The products will be used as a principal one.
- Set begin channel of other lights to be 004 and used as subordinate machine.
- Connect the XLR-XLR control line from the DMX output of principal machine to DMX input of each subordinate product and connect the DMX output of the first one to the DMX input of the second one. Connect all products in this way. Then use the attached circle plug to connect the signal output of last machine.

Under the principal/subordinate in same step control mode you can use built-in auto procedure of principal machine or use built-in MIC sound to control. Subordinate machines can work with principal one in same step.

Usage of our DMX512-KT console

- Our company recommend use our DMX512-KT console to control our Scanning Computer Light. select 17 MARTIN 518.
- Set the address code as following chart:

Projector No. & chanees.	1	2	4	8	16	32	64	128	256	512
Projector 1 - chanees.0-13	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Projector 2 - chanees.14-27	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Projector 3 - chanees.28-41	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
Projector 4 - chanees.42-55	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF
Projector 5 - chanees.56-69	OFF	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
Projector 6 - chanees.70-83	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF
Projector 7 - chanees.84-97	OFF	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	OFF
Projector 8 - chanees.98-111	OFF	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
Projector 9 - chanees.112-125	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	OFF	OFF
Projector 10 - chanees.126-139	OFF	ON	ON	ON	ON	ON	ON	OFF	OFF	OFF
Projector 11 - chanees.140-153	OFF	OFF	ON	ON	OFF	OFF	OFF	ON	OFF	OFF
Projector 12 - chanees.154-167	OFF	ON	OFF	ON	ON	OFF	OFF	ON	OFF	OFF

Specification

- Voltage: AC220V~240V, 50/60Hz
- Rated power: 60W
- Laser: semiconductor laser, output 60mW
- Laser wavelength: 532nm
- Insulation resistance:>2M
- Channel: 8 channels
- Signal: DMX512
- Control mode: controller, single machine mode, principal /subordinate work at same step.
- Design: many kinds of effects through moving mirror.
- Strobe: 0-6 times/SEC, adjustable
- Scan: horizontal: 370°, vertical: 265°
- Size: 370 × 275 × 375mm
- Net weight: 9.5kg

Maintain

- The optical lens and illuminators must clean regular to protect a better effect. You can clean them accord the light's operate times and the using situation. Use soft cloth and original glass cleaner to clean. You'd better clean exterior optical system every 20 days and inside optical system every 60 days at least.

Do not use organic solvent such as alcohol to clean the cover of light.

Announcement

- When we delivery the goods out of factory, it's function is good and package is well. All users must obey all noted attentions and operate rules. We won't serve free of charge repair if the destroy be caused by your own wrong operate. All the problems which be caused by not operate accord the user manual also not the duty of distributor.
- We won't inform again if there have any more changes of user manual.