SERIES CLUB

CE

LT-212
RGY LASER LIGHT

USER MANUAL

www.yagang.com

SILVER STAR
Professional Lighting

Version 1.0

2005.11.17

Open box to check

- 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. 1 unit laser light
2. 1pc power cable
3. 1pc Pin3 signal cable
4. 1pc 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.
- 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.
- Keep the space between light equipments and the lighted things more than one meter.
- Don't touch the product and draw the power line if you hand wet.
- 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.

Maintain

- Please use cotton stick dipped alcohol to wipe the mirrors at regular. Do not use the wet cloth or chemical impregnant to clean the mirrors.
- Please use the soft cloth to clean the surface of product.

ATTENTION: Disconnect input power before maintain.

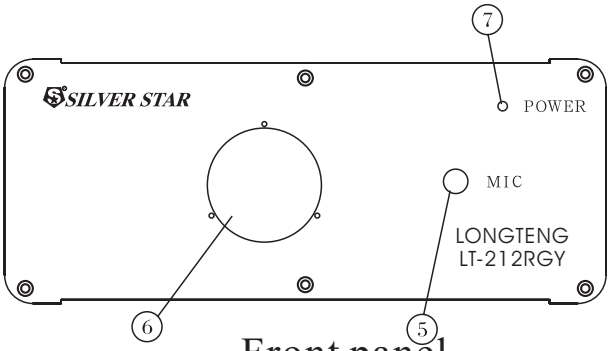
Don't look straightly at the light sources.

NOTE: Don't seperate laser machine from laser power and repaire them by yourself otherwise no good repair service will be supplied.

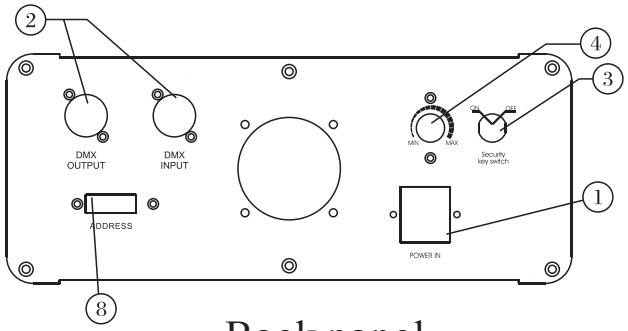
Technology parameters

Cooling mode	Air cooling（DPSS）
Input voltage	AC100V~AC200V 50/60Hz
Power	25W
Colour	Red, Yellow, Green
DMX channel	13
Scanner	Simple scanner
Scan angle	0~ ± 30°
Control mode	Musci mode, Auto-mode, Master/slave mode, DMX512

Panel operation



Front panel



Back panel

①	POWER IN: Power cord, fuse inside
②	DMX IN/OUT: International standard DMX512 signal input/output
③	Security key switch: Power switch
④	MIN—MAX：Sound control
⑤	MIC: Sound receiver
⑥	Beam out：Dustproof mirror inside
⑦	POWER：power LED
⑧	ADDRESS：Address code switch. The 10th code is switch code. If the 10th code is OFF, the 1-9 codes are function code. If the 10th code is ON, the fixture can be controlled by DMX512 signal and other codes are DMX address codes. Please refer to following two pictures about setting.

Function code setting：

Function	Address swich
Music mode	
Auto mode	
Slave mode	

Switch for DMX control mode. The setting in the picture is DMX signal unacceptable..

DMX code setting:

Algorism	Binary code LSB → MSB	Address swich
1	100000000	
14	011100000	
27	110110000	

Switch for DMX control mode. The setting in the picture is DMX signal acceptable

DMX 512 OPERATION

The fixture have 13 DMX channels. The following is function list:

Channel	Value	Function
1 Control mode	0-63	Music mode Channel 5~13 no function
	64~127	Auto mode Channel 5~13 no function
	128~191	Music accelerated manual mode
	192~255	Auto accelerated manual mode
2 Colour	0-35	No beam
	36~71	Basic colour
	72~107	Red
	108~143	Yellow
	144~179	Green
	180~215	Stochastic colour change
	216~251	Stochastic multi colour change
	252~255	Rainbow colour flow
3 Pattern	0~255	86 patterns (0~255)/3=(0~85)
4 Speed	0~255	12 class speed (0~255)/23=(0~11)
5 Rotate	0~63	No function
	64~127	Horizontal rotating
	128~191	Vertical rotating
	192~255	Horizontal & Vertical rotating
6 Dot rotating	0~127	No function
	128~255	Dot Rotating
7 Move	0~63	No function
	64~127	Horizontal movement (Y line)
	128~191	Vertical movement (X line)
	192~255	Horizontal & Vertical movement
8 Extend	0~63	No function
	64~127	Extending in Horizontal
	128~191	Extending in Vertical
	192~255	Extending in Horizontal & Vertical
9 Zoon	0~85	No function
	86~169	Zoom from small to large
	170~255	Zoom from large to small
10 Drawing speed	0~255	255 class speed
11 Scan speed	0~2	Preset scan speed 42
	3~255	253 class speed (from fast to slow)
12 Colour speed	0~255	255 class speed (from slow to fast)
13 Size	0	Original size
	1~255	42 class size (1~255)/6=(0~42) 1~19 smaller 20 original size 21~42 enlarge

Problems & Answers List

Problem	Causation	Solution way	Series number
No power to motor	Fuse broken	Replace fuse	09-00-2001-01
	Power supply broken	± 15V	16-03-0001-00
No response to music or it is difficult be active by music	MIC broken	MIC	16-03-0001-00
	Code board broken	High speed code board	26-2A-LT6V20-00
	Potentionmeter broken	Potentionmeter	04-03-0105-03
	78E58BIC broken	78E58BIC	00-78E58B-00
X,Y scanner no strength or no pattern or scanner shaking	Scanner motor broken	Scanner motor	15-01-0002-00
	78E58BIC broken	78E58BIC	00-78E58B-00
	Code board broken	High speed code board	26-2A-LT6V20-00
	Power supply broken	± 15V	16-03-0001-00
	Scan board broken	Scan board	26-2A-FASTSCAN-00
No beam or beam dim or beam can't close, but other functions OK	Scan mirror dirty	Clean it with alcohol	
	Laser diode broken	Green laser diode	07-01-0005-01
	Laser diode broken	Red laser diode	07-03-0080-00
	Code board broken	High speed code board	26-2A-LT6V20-00
	Operation mode incorrect	Refer to user manual	
Can not control other function OK Such as laser diode and fans	Control mode incorrect	Refer to user manual	
	Code board broken	High speed code board	26-2A-LT6V20-00
	Power supply broken	± 15V	16-03-0001-00
	Address code board broken	L T 6 address code board	26-2A-LT6SW-00