EXALITE

EXX-ML Beam 17R 350W

WEIGHT：18KG

POWER：510W

COLOR TEMPERATURE：7400K

ITEM

STATEMENT

The product is good packing when ship out the factory. All users should strictly abide by the warnings and instructions stated in this manual, any damage and results due to misuse and the neglect of this operating manual will be excluded from the deal responsibility this manual will not informed in additionally if have technical changes.

1. PRODUCTION INTRODUCE

Thank you for choosing this E products, this model is the moving head lightwhich is the latest development of the smart, efficient products, beautiful shape, smooth R & D, combined with the advanced technology of today's stage lighting products with international advanced electronic control technology and excellent user-friendly industrial design , fully comply with CE standard, accepted international standard DMX512 signal mode.

EXX-ML Beam use efficient lamp and short distance condenser system, coupled with the high-quality optical lens components, Gorgeous color and clear gobos, sharp and uniform output light. Chinese/English language selected.

Operate menu intuitive and fast;The display can be inverted 180 °. DMX512 channels optional . Horizontal scan: 540 ° vertical scanning 270 °.   The color wheel is combined with white and 14 colors. The static gobos is combined with white + 11 gobo + 3 color gobo .
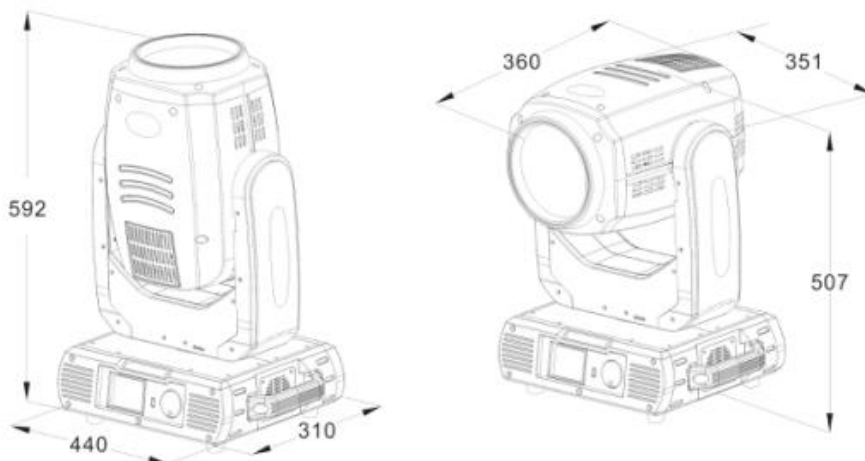
5 kinds of prism effect

 6 facet+12 facet prism+ 6 linear prism ,Frost function; +16 facet prism rotation

Beam angle : 2°

0-100% mechanical dimming, mechanical strobe, speed adjustable strobe effect and gobo shaking effect, over-heat protection function.

2 FIXTURE SIZE

Size: 440(L)*310(W)*592(H) mm

3. PARTS INTRODUCE


```
01 — Lens
02 — Body
03 — Arm
04 — Tilt Lock
05 — Pan Lock
06 — Light base
07 — Handle
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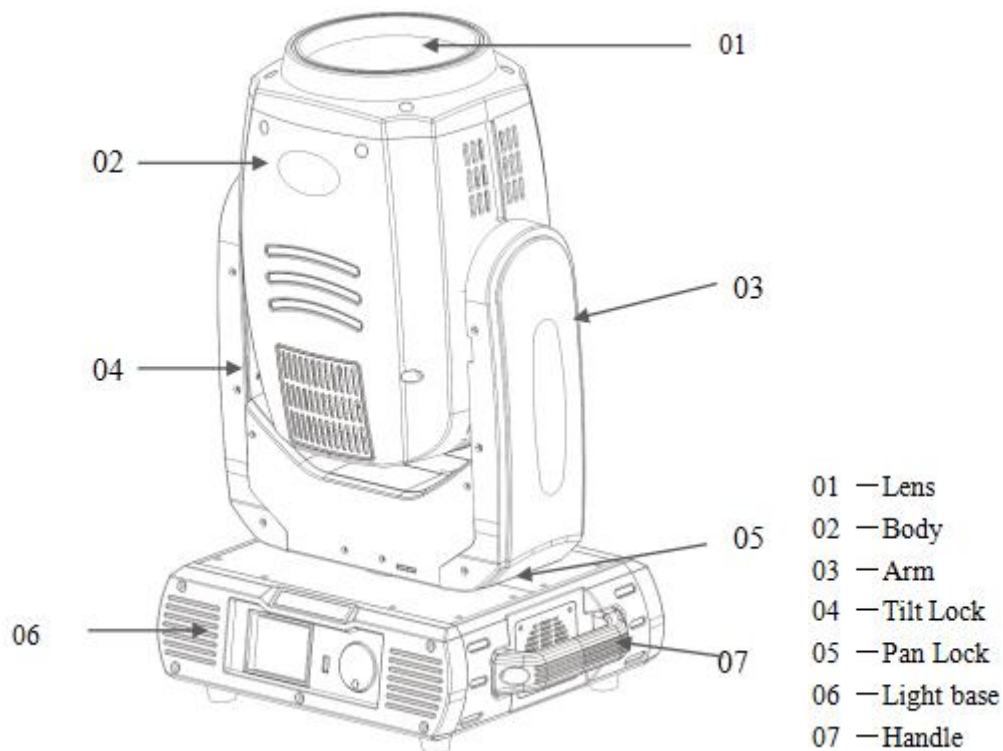
EXX-ML Beam 17R 350W each part of product structure and main composition product name description for better know the light unit


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01 — LCD display
02 — Control wheel
```
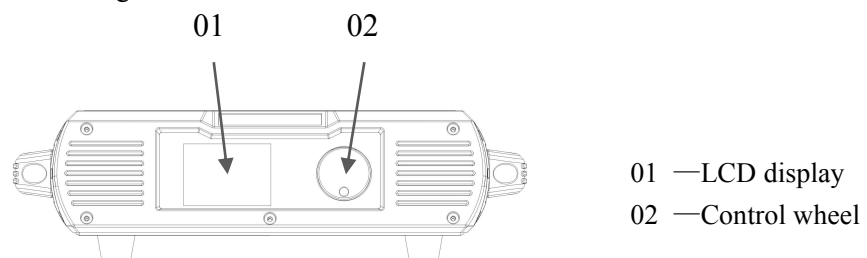
EXX-ML Beam 17R 350W Control panel function introduction, mark for the part name on the panel, familiar with the function of every part.


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01 — DMX In
02 — DMX Out
03 — Power Switch
04 — Power In
05 — Fuse
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4. SAFETY INFORMATION

Safety warning message
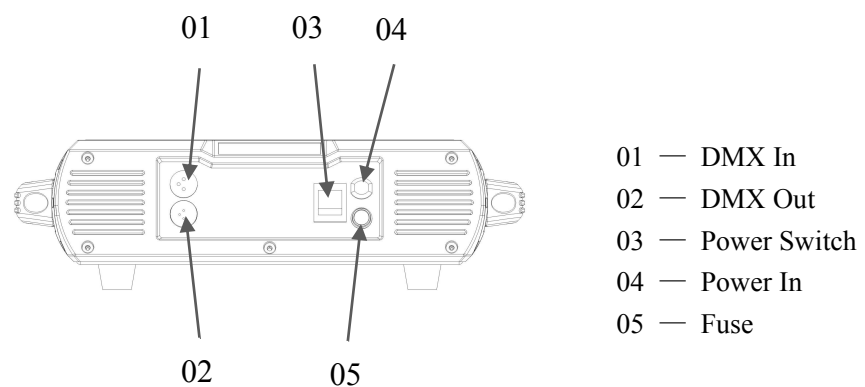
This product is only suitable for professional use, and does not apply to security for other purposes. After you got the lights, please check the package whether have any damage caused by transportation. If there is any damage, do not use this fixture, and please contact the dealer or manufacturer as soon as possible.This product is only suitable for indoor, IP20 protection class. Lamps should be kept dry to avoid Moisture, overheating or dusty environment. Prevent lamps come into contact with water or any other liquid.The use of this product should pay attention to: fire, heat, electric shock, ultraviolet radiation, the lamp to explode or

Shedding caused serious or fatal injury. Need to read the instructions before use energized or installing. Follow through the operation of security methods and pay attention to the warning signs on the specification and equipment. If you have any problem for how to safely operate the equipment. Please contact your dealer.
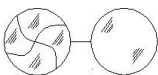
4.1 ANTI-HIGH TEMPERATURE

ta **=40°C**

Please don't use the equipment if the temperature above 40℃

4.2 BURST PREVENTION

The lens should be changed if had damaged or any problems. Don't change the non-original manufacturer lens.

Len size：Φ158×43 mm

4.3 TO PREVENT FALLING WOUNDING

Please don't move the package by one person only.

When Hang the fixture, please must verify that the facilities to be able to withstand the weight of the lamps at least 10 times more.

Please make sure the Mounting hardware is strong enough no any damage, and insurance for the safety rope as auxiliary security fixed in other facilities will need to verify before installation. Installing or removing the equipment, to make the pulley below the work location.

4.4 UA PROTECTION AND THE BULB EXPLOSION

Prohibit straight viewpoint with exposed bulbs to avoid UV damage to the eyes;

Do not use the equipment without the lens screen and the lid;

The lens and the light head covers should be timely replaced if any damage to rupture

The Fixture should be used with the protection screen together.

4.5 PREVENTION OF ELECTIC SHOCK

The electrical connection must only be carried out with corresponding qualifications;

Before installing, make sure you use the power voltage lamps must comply with the identified power, voltage and have an overload or leakage protection;

Each lamp must be properly grounded, installed in accordance with the relevant standards;

Cut off the power when stall or replace the lamp and the fuse;

Prohibit the use of a lightning storm or wet environment.

4.6 TO PREVENT BURNING OR FIRE

1. The fixture can be mounted directly on the surface of ordinary combustible material.
2. Do not short-circuit temperature protection switch or fuse, use the specified type of fuse.
3. The equipment must be installed away from inflammable and explosive materials.
4. The equipment should be projected range of 15 meters away objects and projectiles temperature less than 60 ° C   15m
5. Fan or ventilation, at least in the range of 0.5 meters can not be an obstacle.
6. Do not place any object on the lens.
7. Handling at least allow the device to cool for 20 minutes.
8. Do not replace the non-original parts.

4.7 TRANSPORT PROTECT LOCK

In order to protect the light, there is a protect lock; During the transport , the lock catch position need lock in the center, and the fixture keep in vertical state.

4.8 ABOUT PACKING

1. Before packed, make sure power is off, and wait for at least 20mins for cooling down.
2. Before clean the fixture, make sure X, Y axis protect lock closed.
3. After packed by plastic bag, high-lift the fixture with two handles besides the product. put the product into the fly-case up-side-down.
4. After packed the product, put the accessory into the accessory case, then closed and lock the fly-case.
5. Fly-case only up stacked two layers. Prohibited upside down
6. When packed with carton box, equipment should be put into the foam first, then set into a carton, pay attention to the vertical position.

4.9 UNPACKING

Note: Before unpacking check the damage is whether due to the transportation or not, if you find any such damage, please do not use this item, and contact with the dealer or manufacturer as soon as possible.

1. Open the fly-case, and discover the inside plastic bag.
2. High-lift the product by two handles beside the bottom base and move it out.
3. Before power on, make sure you have opened the X, Y axis lock!

Attention!

Must use two clamps fix the fixture,and tighten the clamps with1/4 lock, only fully clockwise rotate 90 °then can lock the fasteners. Add one safety insurance rope on the hole of

light base. pls attention not connect to the transport handle.

Attention! One product only can accept one input one output.DMX512 cable must use the professional shielded twisted pair cable; standard loudspeaker cable is not reliable to control the long-range data. 24AWG cable is suitable for more than 300 meters long-distance signal transmission and must add\ DMX 512 signal amplifier.

Do not use two outputs to separate the connection, if separate a continuous connection to branch, DMX512 splitter is necessary.

If use the DMX512 splitter. At first connect DMX512 Splitter input terminal to controller .And then connected from the splitter output terminal to next device.

Do as above guide to connect other device, and finally coupled with terminal insertion

5. PACKAGE

EXX-ML Beam packed with fly-case of two in one ,or carton box. Attach follow accessory.

ACCESSORY

CONTENT	QUANTITY
USER MANUL	1
HANG FIXTURE	1
SIGNAL CABLE	2

6. AC POWER

VOLTAGE, POWER, FUSE SPECIFICATION

Input Voltage	Total Power	Frequency
110-240V	510W	50/60HZ

Fuse voltage	Electronic current	Specification
250V	10A	5×20

EXX-ML Beam 17R 350W Power connection attention:

Attention! The equipment must be operated by professionals; Make sure that the voltage of power supply must be comply with the voltage identified on the lamp, and must have an overload or leakage electrical protection.

Live wire(L)	Null(N)	Ground wire	
RED	BLUE	Yellow +Green	

7.   LAMP MODEL AND REPLACE

EXX-ML Beam 17R 350W LAMP

LAMP MODEL	POWER	LIFE/HOUR	LUMEN

YODN MSD 350 S17	350w	1500 HOURS	7400K

WARNING! There is a safety hazard or damage if install similar bulb To reduce the risk of damage to light ,do change the lamp before using time over 125% of lamp life .

LAMP REPLACE

Attention! When replace the lamp is forbidden to touch lamp with bare hand, to avoid the greasy dirt stains filament. filament must be kept clean. Disconnect the power. Before replace lamp, fixture need 20 minutes for lamp cooling. Fasten the head with Y axis protect lock in 60 ° position.

1. Use cross screwdriver to open (picture 1)

（1）

2. After open the cover,you can ase wait the lamp be cool after used but not touch it in hot status.(picture 2)

（2）
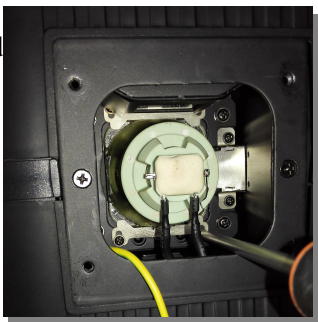
3. One hand er hand hold res(picture 3,4)

（4）
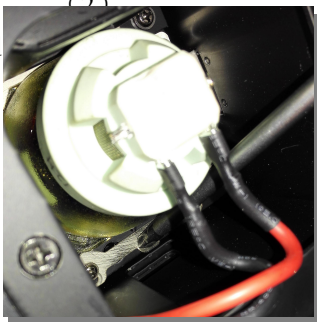
4.after take apart the lamp, please check the ll make the light better effect.(Picture 5)
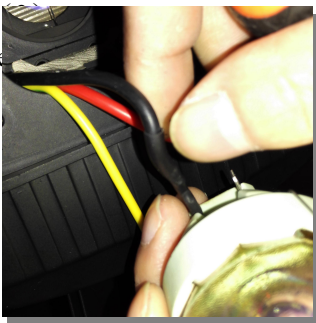
（5）

5.install the lamp after replaced.

8. CONTROL PANEL

TOUCH
SCREEN
DISPLAY
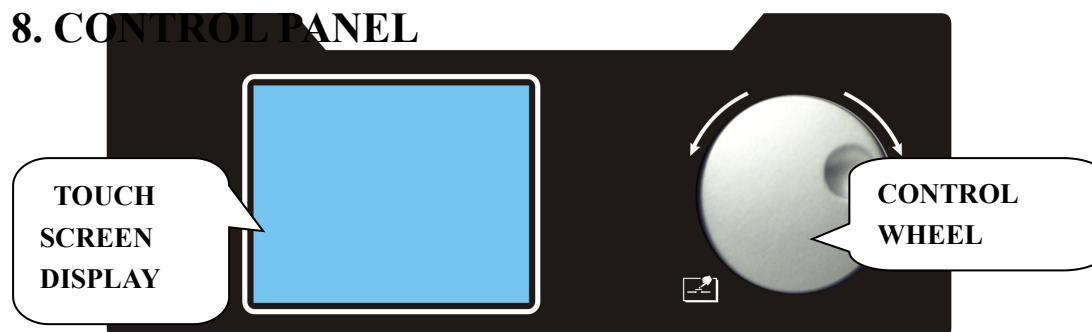
CONTROL
WHEEL

Touch screen display：Display the data information and control operation;

Control wheel: can turn right,left and enter;

Turn left: Data increasing, scroll menu;

Turn right: Data diminishing, scroll menu;

Enter: OK

8.2. CONTROL PANEL MENU OPERATE

Main Menu	Submenu 1	Submenu2	Function SET	Function description
DMX ADDRESS	<<		1-512	to address 1
	<			address up
	>			address down
	<<			to address 512
			SAVE	save and back
			ESC	back
FEATURES SETTING	Run Mode:		DMX	DMX
			Wire	no function
			Aoto	no function
	Channel Mode:		16CH	16CH mode
			19CH	19CH mode
	Pan Reverse:		Off	Pan Scan Normal
			On	Pan Scan Reverse
	Tilt Reverse:		Off	Tilt Scan Normal
			On	Tilt Scan Reverse
	Opto Check:		Off	Pan/Tilt optical sensor testing off
			On	Pan/Tilt optical sensor testing on

	PT Speed:		Noml	Pan/Tilt Scan Speed setting normal
			Slow	Pan/Tilt Scan Speed setting slow
			Fast	Pan/Tilt Scan Speed setting fast
	Pan Angle:		360	Pan Scan Angle setting 360
			540	Pan Scan Angle setting 540
			630	Pan Scan Angle setting 630
	Singl Clear:		Off	keep signal data
			On	clear signal data
	Full Colour:		Off	half color function
			On	full color function
	ShortCut:		Off	Shortcut off for colors and gobos
			On	Shortcut open for colors and gobos
			ADV.	ADVANCED FUNCTION
			RST.	Re-setting and back
			SAVE	Save and back
			ESC	Back

			ZEROSETTING	
ADVANCED FUNCTION	Redress	Pan:		
		Tilt:		
		Static Gobo:		
		Rot Gobo:		
		Colour:		
		Focus:	0-255	Motor zero calibration
		Zoom:		
		Dimmer:		
		Prism:		
		Beam:		
		Beam Rot:		
		Frost:		
			SAVE	Save and back
			>	
			<	
			ESC	back
	ChanlDef			No function
	FactSett			Only factory only
	UseManage	Limit	LimitTime	No function

			limitCont	No function
		DefConfig	YES	Return to default
			NO	back
		FacConfig	SAVE	Save and back
			EPRT	for factory only
			ESC	back
			ESC	back
UNLOCK	Verify1:		0-255	need password
	Verify2:			
			KEY	need password
			ESC	back
MANUAL	LAMP REST		ALL MOTER	All step motor(do not adjust it)
			XY MOTER	Pan/Tilt step motor adjust(do not adjust it)
			PART MOTER	Other step motor(except Pan/Tilt)
			YES	The chose step motor re-set
			ESC	Back
	TEST RUN	AUTO		Auto
		SOUND		Sound
			ESC	Back
	SMULATE DMX	Pan:	0-255	Control Channel on display
		Pan Fine:		
		Tilt:		
		Tilt Fine:		
		PT Speed:		
		Special Fun:		
		Colour:		
		Colour Fine:		
		Effect SP:		
		Static Gobo:		
		Rot Gobo:		
		Gobo Rot:		
		GRot Fine:		
		Prism:		
		Prism Rot:		
		Frost:		
		Zoom:		
		Zoom Fine		
		Focus:		
		Focus Fine:		
		Aoto Focus:		

		Shutter:		
		Dimmer:		
		Dimmer Fine:		
			>	
			<	
			ESC	Back
	ESC			Back
SYSTEM INFO	DMX VALUE	CH00-CH32	0-255	DMX value number
	REST INFO	Colour:	Right/Erro	Motor reset state
		Rot Gobo:		
		Static Gobo:		
		Pan:		
		Tilt:		
		Gobo Rot:		
		Prism:		
		Beam:		
		Prism Rot:		
		Beam Rot:		
		Zoom:		
		Focus:		
		Pan Opto:		
		Tilt Opto:		
			ESC	Back
	OTHER INFO	Run Time:	0-9999	Machine running hours
		Run Count:	0-9999	How many time of the Machine power on and off
		Residue T:	Most	Running time adjust(do not adjust)
		Residue C:	Most	(do not adjust)
		Type:	350W	Mode No.
		Temp:	0	No function
		Fan 1:	0-9999	Fan 1 speed
		Fan 2:	0-9999	Fan 2 speed
		Dis Version:	Vxxx	Version of display software
		XY Version:	Vxxx	Version of Pan/Tilt software
		M1 Version:	Vxxx	Software Version M1
		M2 Version:	Vxxx	Software Version M2
			ESC	Back
	ESC			Back
DISPLAY SETTING	Light Set:		1-7Lev	Back Ground light level
	Light Off:		On	Keep back ground light on

			1Min	Back light turn off after 1 min
			2Min	Back light turn off after 2 mins
			3Min	Back light turn off after 3 mins
	Menu Back:		Off	Turn off the menu and back
			1Min	Menu back after 1 min
			2Min	Menu back after 2 mins
			3Min	Menu back after 3 mins
	Light Flash:		Off	Back ground light flash function off
			On	Back ground light flash function on
	Touch Cali:		Off	Touch screen calibration on
			On	Touch screen calibration off
			SAVE	Save and back
			ESC	Back
LAMP SETTING	Lamp Default:		Off	Lamp off
			On	Lamp on
	Manual Lamp:		Off	Lamp off by manual
			On	lamp on by manual
	LampTime		0000-9999	Lamp time
	LampState		Off	Lamp off
			On	Lamp on
	Lamp Off:		10M	After 10 mins no signal come in, Lamp off
			Lifh	No signal come in , lamp keep lighting

9. DMX Channels

16 CH	19 CH	FUNCTION	DMX	DMX
			0-4	
			5-8	White + red
			9-12	Red
			13-17	Red + orange
			18-21	orange
			22-25	Orange +blue
			26-29	Blue
			30-34	Blue + green
			35-38	Green
			39-42	Green +magenta
			43-46	magenta
			47-51	Magenta + yellow

			52-55	yellow
			56-59	yellow+ light blue
			60-63	light blue
1	1	Color wheel	64-68	light blue + light green
			69-72	light green
			73-76	light green + pink
			77-81	Pink
			82-85	Pink + warming1
			86-89	warming 1
			90-93	warming 1+ fluorescence
			94-98	fluorescence
			99-102	Fluorescence + cooling 1
			103-106	cooling 1
			107-110	cooling 1+ cooling 2
			111-115	cooling 2
			116-119	cooling 2+ warming 2
			120-123	Warming 2
			124-127	Warming 2+ white
			128-191	clockwise Water flows fast - slow.
			192-255	Anti clockwise Water flows slow-fast
2	2	Strobe	0－31	strobe off
			32－63	strobe on
			64－95	strobe slow-fast
			96－127	Strobe open
			128－143	fast-slow . turn on slowly turn off fast
			144－159	Slow-fast turn on fast , turn off slowly
			160－191	strobe on
			192－223	strobe slow -fast
			224－255	strobe on
3	3	Dim	0-255	linear dim
			0-3	-
			4-7	Gobo 1
			8-11	Gobo 2
			12-16	Gobo 3
			17-21	Gobo 4
			22-25	Gobo 5
			26-29	Gobo 6
			30-33	Gobo 7
			34-37	Gobo 8

			38-42	Gobo 9
			43-46	Gobo 10
			47-51	Gobo 11
			52-55	Gobo 12
			56-59	Gobo 13
			60-71	Effect gobo slow -fast
4	4	Fixed gobo	72-113	Gobo clockwise fast -slow
			114-117	White
			118-159	Gobo clockwise slow-fast
			160-166	Gobo 1 slow-fast move
			167-173	Gobo 2 slow-fast move
			174-181	Gobo 3 slow-fast move
			182-188	Gobo 4 slow-fast move
			189-195	Gobo 5 slow-fast move
			196-203	Gobo 6 slow-fast move
			204-210	Gobo 7 slow-fast move
			211-217	Gobo 8 slow-fast move
			218-224	Gobo 9 slow-fast move
			225-232	Gobo 10 slow-fast move
			233-239	Gobo 11 slow-fast move
			240-246	Gobo 12 slow-fast move
			247-255	Gobo 13 slow-fast move
			16CH	19 CH
			0-19	0-15
			20-39 prism 1	16-95 prism 1
5	5	Prism 1	40-79 prism 2	96-255 prism 2
			80-119 prism 3	
			120-159 prism 4	
			160-255 prism 5	
			0-1	-
			2-50	Index
6	6	Prism 1 rotation	51-151	Anticlockwise fast-slow
			152-154	-
			155-255	clockwise fast-slow
*	7	Prism 2	0-15	-
			16-255	Prism
			0-1	-
7	8	Prism2 rotation	2-50	Anticlockwise fast-slow
			51-151	-

			155-255	clockwise fast-slow
8	9	macro	0-7	-
			8-15	combination effect 1
			16-31	combination effect 2
			32-47	combination effect 3
			48-63	combination effect 4
			64-79	combination effect 5
			80-95	combination effect 6
			96-111	combination effect 7
			112-127	combination effect 8
			128-173	combination effect 9
			144-159	combination effect 10
			160-175	combination effect 11
			176-191	combination effect 12
			192-207	combination effect 13
			208-223	combination effect 14
			224-239	combination effect 15
			240-255	combination effect 16
9	10	FROST	0-255	Linear atomization
10	11	Zoom	0-15	-
			16-255	linear amplification
11	12	Focus	0-255	Linear focus
12	13	X	0-255	X
*	14	X fine	0-255	X fine
13	15	Y	0-255	Y
*	16	Y fine	0-255	Y fine
14	17	X Y speed adjust	0-255	X Y speed adjust
15	18	Reset	0-25	-
			26-76	effect reset
			77-127	XY reset
			128-255	fixture reset
16	19	Lamp	0-25	-
			26-100	Lamp off
			101-255	Lamp on

10. PCB Driving board