

350W 17R KINGBEAM MOVING HEAD LIGHT

MJ-1350P



User manual

=====PROFESSIONAL STAGE LIGHTING =====

Thank you for choosing our king beam moving head light. For the sake of your safety, Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

Catalogue

Chapter	Page
Safe Usage Of The Product -----	3
Install The Equipment -----	4
Fitting The Lamp-----	4
Power Code Connection -----	5
DMX Connection -----	5
DMX Terminator -----	6
Function Set -----	6
Operation Menu -----	7
Maintenance -----	9
Keeping The Product Clean -----	9
Trouble Shooting-----	9
Equipment and Appendix-----	10
Channel List-----	10
Technical Parameters-----	16

☆Important notice:

- In this instruction for use contains about the installment and the use aspect important information of the beam moving head. When installing and using, you need to look this usage instruction strictly.
- Before open the beam moving head and if you want to do the repair work, please make sure the power source is at the separation condition.
- Every unit is tested completely and packed properly by the manufacturer. Please make sure the packing and the unit are in good condition before installation and use. Should there be any damage caused by transportation, consult your dealer and do not use the unit. Any damage caused by improper use will not be assumed by the manufacturer or dealer.

Attention: Unceasingly carries on the product improvement about our company the policy, in this instruction booklet carries the data will have the possibility to be able to change in the future, when no longer separate notice change matters concerned. Our company retains when the product improvement changes the related specification the authority. This instruction booklet publisher cannot be responsible regarding this instruction booklet in information accuracy, also cannot the related consequence which causes regarding these information be responsible.

SAFE USAGE OF THE PRODUCT

When unpacking and before disposing of the carton, check there is no transportation damage before using the product. Should there be any damage caused by transportation, consult your dealer and do not use the apparatus.

The product is for indoor use only, IP20. Use only in dry locations. Keep this device away from rain and moisture, excessive heat, humidity and dust. Do not allow contact with water or any other liquids.

The product is not designed or intended to be mounted directly on to inflammable surfaces

The product is only intended for installation, operation and maintenance by professional person.

The product must be installed in a location with adequate ventilation, at least 50cm from adjacent wall surfaces. Be sure that no ventilation slots are blocked.

Do not project the beam onto inflammable surfaces, minimum distance is 15m.

Avoid direct exposure to the light from the lamp. The light is harmful to the eye.

Do not attempt to dismantle or modify the projector in any way.

Electrical connection must only be carried out by qualified personnel.

Before installation, ensure that the voltage and frequency of power supply match the power requirements of the projector.

It is essential that each projector is correctly earthed and that electrical installation conforms to all relevant standards.

Do not connect this device to any other types of dimmer apparatus.

Make sure that the power-cord is never crimped or damaged by sharp edges. Never let the power-cord come into contact with other cables. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.

Keep the light clean. Do not touch the light glasses with bare hands.

The product should always be installed with a secondary safety fixing. On the projector base brink, there is a hole for the safety cord provided. It should be attached as shown in “installing the projector” section.

The lamp used in this projector is a discharge lamp. After switching off don't attempt to restart the projector until lamp has cooled, this will require approx 15 minutes. Switching the lamp on and off at short intervals will reduce the life of both the lamp and the projector. But occasional breaks will prolong the life of the lamp and projector.

Never run the projector without a lamp.

The light shall be changed if it has become damaged or thermally deformed or reached its life limit.

Shields and lens shall be changed if they have become visibly damaged to such an extent than their effectiveness is impaired, for example by cracks or deep scratches.

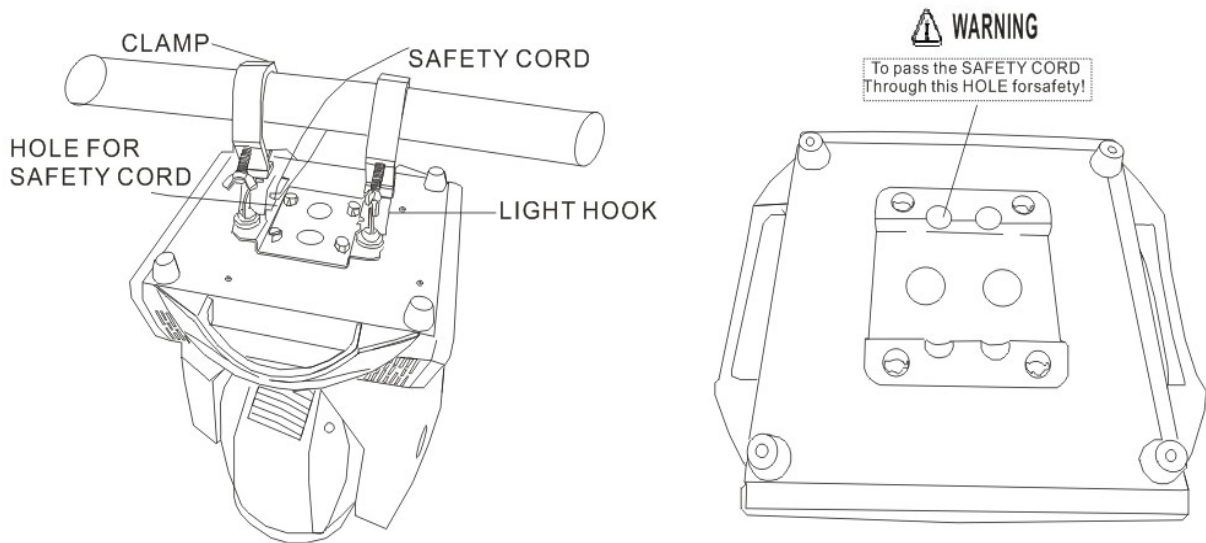
Exterior surface temperatures of the luminaire after 5 minutes operation is 70°,when steady state is achieved 140°.

There is no user serviceable parts inside the projector, do not open the housing and never operate the product with the covers removed.

If you have any questions, don't hesitate to consult your dealer or manufacturer.

★Always disconnect from the mains, when the device is not in use or before cleaning it or before attempting any maintenance work !

Install The Equipment:



Use 2pcs clamp and 1pcs safety cord(need to purchase).Use clamp fix with light hook which in the packing box with light, then use screw install to the bottom of lamp. Hang the fixture on the structure and fasten the screws attached to each clamp. Make sure the light is installed reliable, and confirm the light which you fixed is strong enough for hanging the light. Base on safety reason, please according to the above picture using safety wire cross the light to make it strong enough again.

Warning!

1. Unlock the PAN and TILT before the 1st application of the light for safety.
2. Hook and clamp only use for hanging the light. Do not use clamp as a tool to move fixtures.
3. Base on safety reason, please use the safety cord which can afford the weight ten times of lamp through Insurance hole for auxiliary hanging.
4. Don't use the handle of the moving head light to fixed or lift!

Fitting The Lamp:

- .Loosen 4 fast-fit screws and remove the back cover, when fitting/replacing the lamp.
- .Do not touch the bulb of the new lamp with bare hand so as not to influence the beam output.
- .Do not harm the sticking out point of the lamp during its installation.
- .Fit new lamp and close the back cover by fastening 4 fast-fit screws when finished lamp installation.
- .Lamp work will reach a very high temperature, Vapor discharge lamp can not continue to supply this physical characteristics, therefore, the power completely cool for 10 minutes before on the operation. Failure to do so will lead to a high-pressure discharge and short circuit burned out the computer's control panel components.

Notes: Unplug the light from power before lamp installation or replacement and wait for it to cool.

Power Code Connection:

Connect the power cord as follows:

L (live) =brown

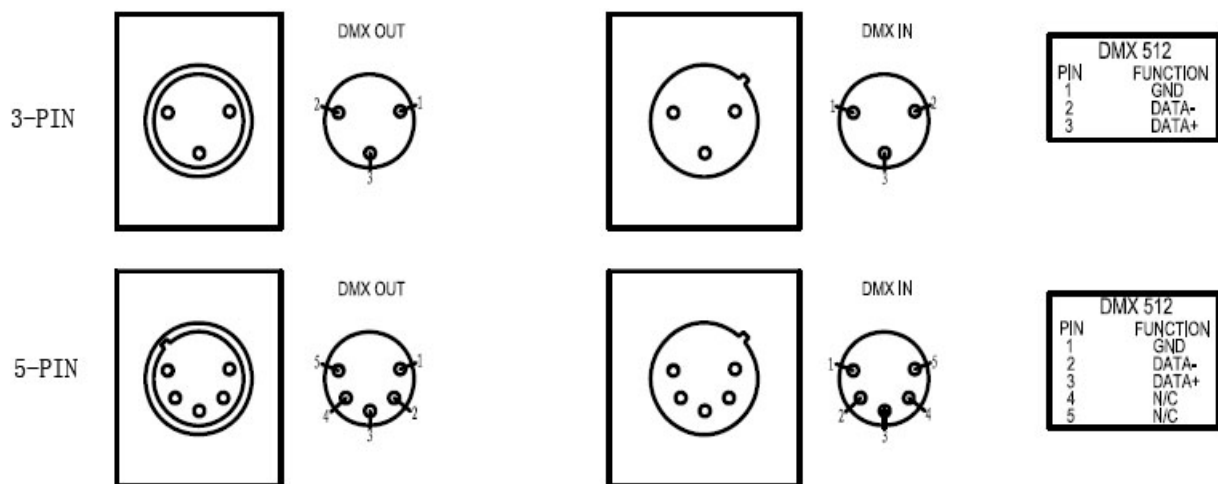
E (earth) =yellow/green

N (neutral) =blue

Use the plug provided to connect the mains power to the projector paying attention to the voltage and frequency marked on the panel of the projector. It is recommended that each projector be supplied separately so that they may be individually switched on and off.

★It is essential that each projector is correctly earthed and the electrical installation conforms to all relevant standards.

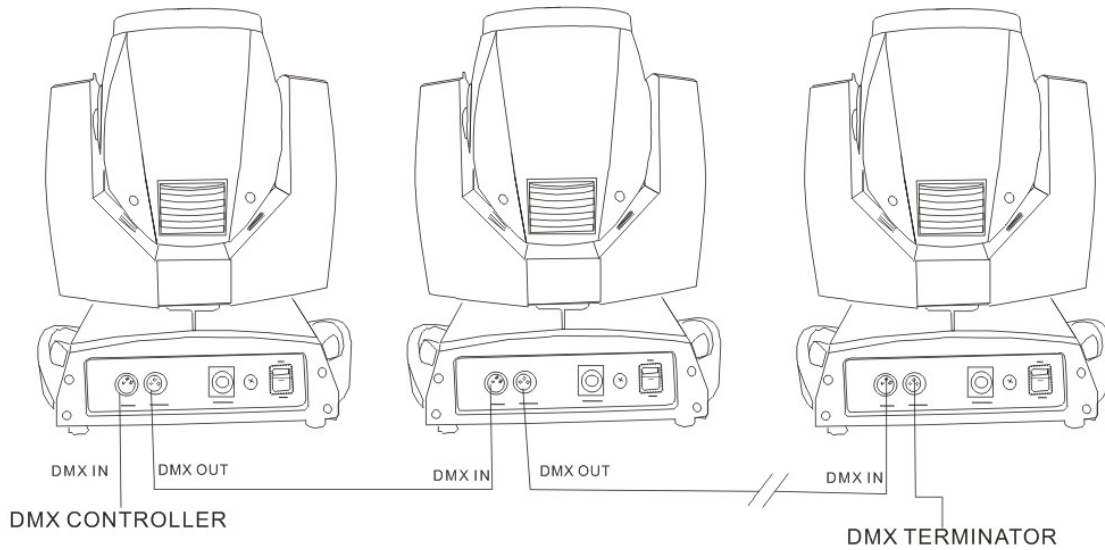
DMX Connection:



Connection between the controller and a projector and between one projector and another must be made with a 2 core-screened cable, with each core having at least a 0.5mm diameter. Connection to and from the projector is via cannon 3 pin (which are included with the projector) XLR plugs and sockets. The XLR's are connected as shown in the figure above.

Note: Care should be taken to ensure that none of the pins touch the metallic body of the plug or each other. The body of the plug is not connected in any way. The XLED 590 accepts digital control signals in protocol DMX512 (1990).

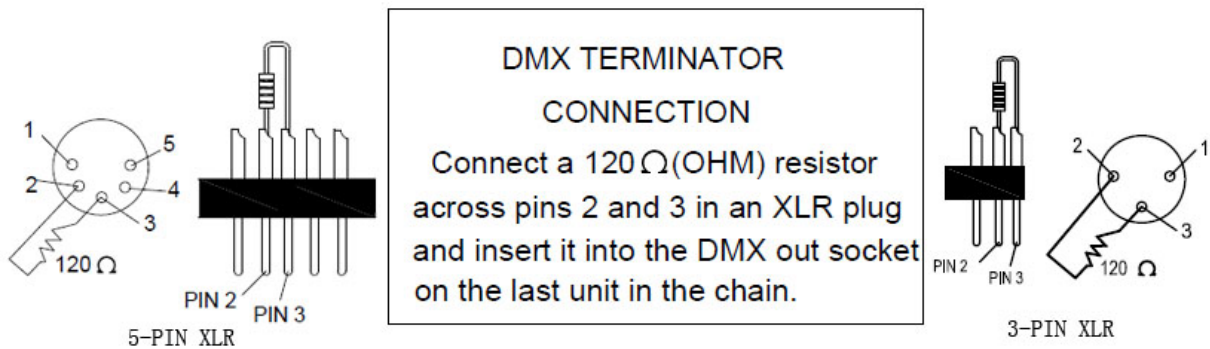
Connect the controller's output to the first fixture's input, and connect the first fixture's output to the second fixture's input and connect the rest fixtures in the same way. Eventually connect the last fixture's output to a DMX terminator as shown in the figure below.



DMX Terminator:

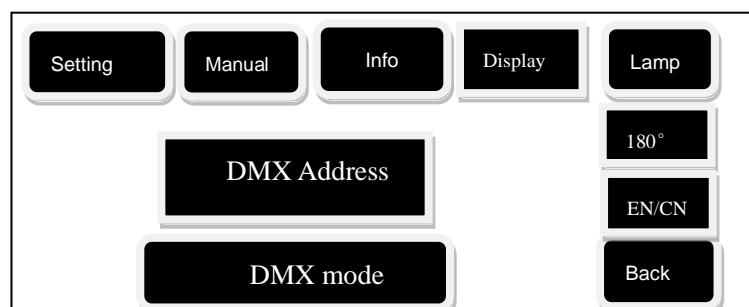
In the Controller mode, at the last fixture in the chain, the DMX output has to be connected with a DMX terminator. This prevents electrical noise from disturbing and corrupting the DMX control signals.

The DMX terminator is simply an XLR connector with a 120Ω (ohm) resistor connected across pins 2 and 3, which is then plugged into the output socket on the last projector in the chain. The connections are illustrated below.

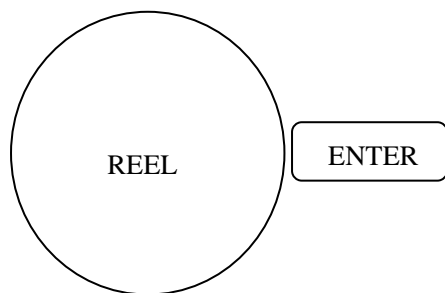


Function Set:

1. Touch Operation



2. Button Operation



Use **REEL** and **TOUCH SCREEN** can set the address code and function code easily


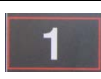
Check or modify lighting function settings, Press the **ENTER** or **TOUCH SCREEN** button. LCD display panel will display main menus. Function operation menu all have corresponding submenu . Each menu all represent the specific functions of lamps, specific see below "operation menu" section.



Set or browse function setting of lamp, Press **UP** or **DOWN** key.





Press **ENTER** key to save your changes or to enter submenu, Press **UP** or **DOWN** can change value(Plus or reduce number).

Operation Menu:

➤ Menu Structure chart

Main Menu		Sub Menu		
	 Dmx Address (0-512)	Save		
		Esc		
	Features Setting	Running Mode	<u>Dmx /Wireless /Automatic</u>	
		Channel Mode	Standard/Simplify/Custom	
		X Reverse	<u>ON/OFF</u>	
		Y Reverse	<u>ON/OFF</u>	
		X Axis Angle	360/ <u>540</u>	
		XY Optocoupler Test	<u>ON/OFF</u>	
		Signalclear	<u>ON/OFF</u>	
		Full Color	<u>ON/OFF</u>	
	ADV (High Level)	The Shortest Distance	<u>ON/OFF</u>	
		Password 1	***	
		Password 2	***	
	Channel Definition	Password 1	***	
		Password 2	***	
	Factory Set	Password 1	***	
		Password 2	***	
	Use The Management	Password 1	***	
		Password 2	***	
	RST	Reset	Reset setting	
ESC	Esc	Return to the main menu		

	Manual	Light Reset	All motors	
			Part motor	
			XY motor	
			Yes	
			<u>No</u>	
		Test Running	Auto running	
	Sound running			
	ESC			
	Simulation Controller	CH1-CH32(0-255)		
		ESC		
		System Info	Dmx Value	Ch1-CH32(0-255)
				ESC
Other Info			Running time(0-9999)	
			Running count(0-9999)	
			Residue time(Infinite)	
			Residue count (Infinite)	
			Fan 1(0-9999)	
			Fan 2(0-9999)	
			Temperature 1(0-100)	
			Temperature 2(0-100)	
			PCB1 Ver.: (V1.15)	
			PCB2 Ver.: (V1.22)	
PCB3 Ver.: (V1.22)				
ESC				
Error Info (If Have A Problem, It Will Be Display To Here)		Color plate error		
		Rotate gobo error		
		Fixed rotate gobo error		
		X error		
		Y error		
		Gobo rotation error		
		Prism error		
	Gradient error			
	Prism rotation error			
	Gradient rotation error			
Display Set	Brightness	1-7 level		
	Light Delay	10/20/30 seconds/ <u>ON</u>		
	Menu Back	10/20/30 seconds/ <u>OFF</u>		
	Flicker -Backlight Flash	<u>ON/OFF</u>		
	Save	Save settings and return to menu		
	Return	Don't save return to menu		

	Lamp Setting	Default	ON
		Manual	ON
		Electronic	ON
		ESC	
	Display Reverse	Display 180 degree rotation	
	Chinese /English Display	Switch the language of the menu display	
	Return to the screen protection		

Maintenance:

To prolong the life of the projector, some maintenance work has to be done to ensure the optical system in good condition. If the projector does not function, check the fuses on the power socket of the projector, they should only be replaced by fuses of the same specification. Should these be damaged, call a qualified technician before replacement. The projector has thermal protection device that will switch off the projector in case of overheating. Should either of these operate, check that the fans are not blocked, and if they are dirty, clean them before switching on the projector again. Check that the fans are operational, if not, call a qualified technician.

☆Any maintenance work should only be carried out by qualified technicians.

Keeping The Product Clean:

To ensure the reliability of the projector, it should be kept clean. It is recommended that the fans should be cleaned every 15 days. The lens and dichroic colour filters should also be regularly cleaned to maintain an optimum light output.

Do NOT use any type of solvent on dichroic colour filters.

Cleaning frequency depends on the environment in which the fixture operates: damp, smoke or particularly dirty surroundings can cause greater accumulation of dirt on the unit's optics. A soft cloth and typical glass cleaning products should be used for cleaning. It is recommended to clean the external optics at least once every 15 days and clean the internal optics at least once every 60 / 90 days.

☆Do not use any organic solvent, e.g. alcohol, to clean housing of the apparatus.

Trouble Shooting:

Problem	Answer
The moving head light doesn't switch on.	Check the fuse the power socket Replace the lamp
Although shines, but the moving head lamp doesn't accept the instruction of the controller.	Check the digital start address and also check the connection situation of the communication control line

The moving head lamp only can work intermittently.	Inspect the power supply and voltage is whether normal. Make sure the fan is working well or fans and their filters not blocked
Defective projection	Make sure the lamp is within its life limit Remove dust or grease from the lenses.
The beam appears dim	heck the optics is clean or the lens in good condition(not cracked) Replace with a new lamp of the specified type and rating.

☆Other maintain work should by the specialist which has the experience to carry on.

Equipment and Appendix:

☆ KingBeam 350W Moving Head Light	1pcs
☆ Power Cable	1pcs
☆ XLR connector	1unit
☆ Light Hook	2pcs
☆ The Product of Instruction	1pcs

Channel List:

STAN MODE

Channel	Value	Function
CH1 (Color)	0~4	White
	5~8	White + Red
	9~12	Red
	13~17	Red + Green
	18~21	Green
	22~25	Green + Blue
	26~29	Blue
	30~34	Blue + Deep Yellow
	35~38	Deep Yellow
	39~42	Deep Yellow + Rose Red
	43~46	Rose Red
	47~51	Rose Red + Yellow-Green
	52~55	Yellow-Green
	56~59	Yellow-Green + Blue-Green
	60~63	Blue-Green
	64~68	Blue-Green + Pale Yellow
	69~72	Pale Yellow
	73~76	Pale Yellow + Cool White
77~81	Cool White	
82~85	Cool White + Light Blue-Purple	

	86~89	Light Blue-Purple
	90~93	Light Blue-Purple + Pale Brown
	94~98	Pale Brown
	99~102	Pale Brown + Amaranth
	103~106	Amaranth
	107~110	Amaranth + Fluorescence
	111~115	Fluorescence
	116~119	Fluorescence + Brown
	120~123	Brown
	124~127	Brown + White
	128~192	Rainbow effect with veering(Fast ~Slow)
	193~255	Rainbow effect with inversion (Slow~Fast)
CH2 (Strobe)	0~31	Strobe Close
	32~63	Open
	64~95	Strobe speed from slow to fast
	96~127	Open
	128~143	Strobe is slow close and fast open
	144~159	Strobe is fast close and slow open
	160~191	Open
	192~223	Random stroboscopic from slow to fast
	224~255	Open
CH3	0~255	Dimming from dark to brightness
CH4 (Gobo)	0~3	Open
	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	Gobo 14 Effect gobo shake for slow to fast
	72~113	Gobo wheel Rot. with veering(Fast ~Slow)
	114~117	Open

	118~159	Gobo wheel Rot. inversion (Slow ~Fast)
	160~166	Gobo 1 shake from slow to fast
	167~173	Gobo 2 shake from slow to fast
	174~181	Gobo 3 shake from slow to fast
	182~188	Gobo 4 shake from slow to fast
	189~195	Gobo 5 shake from slow to fast
	196~203	Gobo 6 shake from slow to fast
	204~210	Gobo 7 shake from slow to fast
	211~217	Gobo 8 shake from slow to fast
	218~224	Gobo 9 shake from slow to fast
	225~232	Gobo 10 shake from slow to fast
	233~239	Gobo 11 shake from slow to fast
	240~246	Gobo 12 shake from slow to fast
	247~255	Gobo 13 shake from slow to fast
CH5 (Prism Wheel 1)	0~15	No function
	16~95	Prism 1 (R12+6)
	96~175	Prism 2 (R32)
	176~255	Prism 3 (L6)
CH6 (Prism wheel 1 Rotation)	0~50	Prism rotation positioning
	51~151	Prism reversion rotation from fast to slow
	152~154	No function
	155~255	Prism veering rotation from slow to fast
CH7 (Prism Wheel 2)	0~15	No function
	16~95	Prism 4 (R16)
	96~255	Prism 5 (L6)
CH8 (Prism wheel 2 Rotation)	0~50	Prism rotation positioning
	51~151	Prism veering rotation from fast to slow
	152~154	No function
	155~255	Prism reversion rotation from slow to fast
CH9	0~255	Prism mixing macro
CH10	0~255	Frost
CH11	0~15	No function
	16~255	Linear Zoon
CH12	0~255	Focus
CH13	0~255	Pan
CH14	0~255	Pan fine
CH15	0~255	Tilt
CH16	0~255	Tilt fine
CH17	0~255	Pan/ Tilt speed (Fast~slow)

CH18 (Reset)	0~25	No function
	26~76	Small motor Reset
	77~127	Pan/Tilt motor Reset
	128~255	All motor Reset
CH19 (The lamp control)	0~25	No function
	26~100	Lamp Delay closing
	101~255	Lamp Delay open

SMAL MODE

Channel	Value	Function
CH1 (Color)	0~4	White
	5~8	White + Red
	9~12	Red
	13~17	Red + Green
	18~21	Green
	22~25	Green + Blue
	26~29	Blue
	30~34	Blue + Deep Yellow
	35~38	Deep Yellow
	39~42	Deep Yellow + Rose Red
	43~46	Rose Red
	47~51	Rose Red + Yellow-Green
	52~55	Yellow-Green
	56~59	Yellow-Green + Blue-Green
	60~63	Blue-Green
	64~68	Blue-Green + Pale Yellow
	69~72	Pale Yellow
	73~76	Pale Yellow + Cool White
	77~81	Cool White
	82~85	Cool White + Light Blue-Purple
	86~89	Light Blue-Purple
	90~93	Light Blue-Purple + Pale Brown
	94~98	Pale Brown
	99~102	Pale Brown + Amaranth
	103~106	Amaranth
	107~110	Amaranth + Fluorescence
	111~115	Fluorescence
	116~119	Fluorescence + Brown
	120~123	Brown
	124~127	Brown + White
128~192	Rainbow effect with veering(Fast ~Slow)	
193~255	Rainbow effect with inversion (Slow~Fast)	

CH2 (Strobe)	0~31	Strobe Close
	32~63	Open
	64~95	Strobe speed from slow to fast
	96~127	Open
	128~143	Strobe is slow close and fast open
	144~159	Strobe is fast close and slow open
	160~191	Open
	192~223	Random stroboscopic from slow to fast
	224~255	Open
CH3	0~255	Dimming from dark to brightness
CH4 (Gobo)	0~3	Open
	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	Gobo 14 Effect gobo shake for slow to fast
	72~113	Gobo wheel Rot. with veering(Fast ~Slow)
	114~117	Open
	118~159	Gobo wheel Rot. inversion (Slow ~Fast)
	160~166	Gobo 1 shake from slow to fast
	167~173	Gobo 2 shake from slow to fast
	174~181	Gobo 3 shake from slow to fast
	182~188	Gobo 4 shake from slow to fast
	189~195	Gobo 5 shake from slow to fast
	196~203	Gobo 6 shake from slow to fast
	204~210	Gobo 7 shake from slow to fast
	211~217	Gobo 8 shake from slow to fast
	218~224	Gobo 9 shake from slow to fast
225~232	Gobo 10 shake from slow to fast	
233~239	Gobo 11 shake from slow to fast	

	240~246	Gobo 12 shake from slow to fast
	247~255	Gobo 13 shake from slow to fast
CH5 (Prism Wheel)	0~19	No function
	20~39	Prism 1 (R12+6)
	40~59	Prism 2 (R32)
	60~79	Prism 3 (L6)
	80~99	Prism 4 (R16)
	100~119	Prism 5 (L6)
	120~139	Prism 6
	140~159	Prism 7
	160~179	Prism 8
	180~199	Prism 9
	200~219	Prism 10
	220~255	Prism 11
CH6 (Prism wheel 1 Rotation)	0~50	Prism rotation positioning
	51~151	Prism reversion rotation from fast to slow
	152~154	No function
	155~255	Prism veering rotation from slow to fast
CH7 (Prism wheel 2 Rotation)	0~50	Prism rotation positioning
	51~151	Prism veering rotation from fast to slow
	152~154	No function
	155~255	Prism reversion rotation from slow to fast
CH8	0~255	Prism mixing macro
CH9	0~255	Frost
CH10	0~15	No function
	16~255	Linear Zoon
CH11	0~255	Focus
CH12	0~255	Pan
CH13	0~255	Tilt
CH114	0~255	Pan/ Tilt speed (Fast~slow)
CH15 (Reset)	0~25	No function
	26~76	Small motor Reset
	77~127	Pan/Tilt motor Reset
	128~255	All motor Reset
CH16 (The lamp control)	0~25	No function
	26~100	Lamp Delay closing
	101~255	Lamp Delay open

Technical Parameters:

Voltage : AC100~240V/50-60Hz

Power consumption:530W@(220V)

Bulb: YODN 350W lamp

Lamp : YODN MSD350R17 LAMP

Color temperature : 8500K

Color: 14Color + Open

Gobo: 14Fixed gobo + Open

Prism: 1pcs 12+6 face rotation round prism, Bilateral rotation, Prism superposition function

1pcs 32 face rotation round prism, Bilateral rotation, Prism superposition function

1pcs 16 face rotation round prism, Bilateral rotation, Prism superposition function

2pcs 6 face rotation linear prism, Bilateral rotation, Prism superposition function

Frost: 1pcs frost mirror

Dimmer : 0-100% linear adjustment ,Strobe(0.5-9 times/ second)

Beam angle : parallel beam angel 0 – 4°

Channel : 16/24CH

Control mode : Standard DMX512, Automatic, Sound and Master/slave mode

Pan: X axis 540°automatically accurate positioning

Tilt: Y axis 270°automatically accurate positioning

Control Panel: LCD touch screen display panel with buttons, 2.2-inch color LCD display with English and Chinese menu, can be rotation 180 °

Protection grade:IP20

Net weight:16KG

Gross Weight: 18.5 kg

Package Size: 450 x 430x 530cm