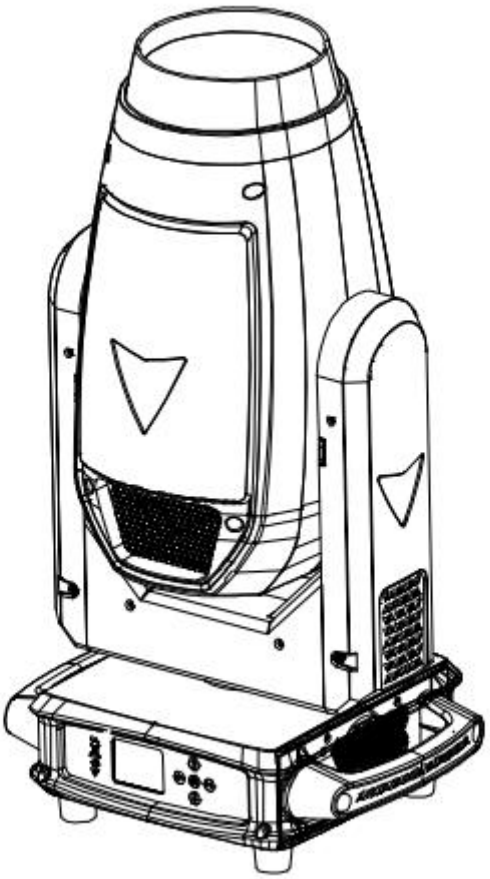
VSHOW PRO LIGHTING

S712 KUAN



User Manual

1. Safety Instructions

Please read the instruction carefully which includes important information about the installation, usage and maintenance.

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction manual.

Important:

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

Unpack and check carefully to ensure that there is no transportation damage before using the unit.

This product is for indoor use only. Use only in a dry location.
DO install and operate by qualified operator.
DO NOT allow children to operate the fixture.
Use safety chain when fixing the unit. Handle the unit by carrying its base instead of head only.
The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces.
Be sure that no ventilation slots is blocked, otherwise the unit will be overheated.
Before operation, ensure that you are connecting this product to the proper voltage in accordance with the specifications in this manual or on the product's specification label.
It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
Minimum ambient temperature TA: 0℃. Maximum ambient temperature TA: 40℃. Do not operate this product at a lower or higher temperature.
DO NOT connect the device to any dimmer pack.

Avoid any flammable liquids, water or metal from entering the unit. Once it happens, cut off the mains power immediately.
DO NOT operate in a dirty or dusty environment. DO clean the fixture regularly.
DO NOT touch any wire during operation as there might be a hazard of electric shock.
Avoid entanglement of the power cord with other wires.
The minimum distance to objects/surface must be more than 1 meters.
Disconnect mains power before fuse/lamp replacement or servicing.

Replace fuse/lamp only with the same type.
In the event of serious operating problem, stop using the unit immediately.
Never turn on and off the unit time after time.
The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.
DO NOT attempt to operate this unit if it becomes damaged. DO NOT attempt any repairs
yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center if needed.
Disconnect this product from its power source before servicing.
DO use the original packaging if the device is to be transported.
Avoid direct eye exposure to the light source while the product is on.
Never touch bulb with bare fingers, as it is very hot after using.
DO NOT operate this product if you see damage on the housing, shields, or cables. Have the damaged parts replaced by an authorized technician at once

Installation:
The fixture should be fixed on the clamp. Always ensure that the unit is firmly fixed to avoid vibration and slipping off during operation. Ensure that the trussing or area of installation must be able to hold 10 times the weight without any deformation. Always install a safety cable that can hold at least 12 times the weight of the fixture when installing.DO install and operate by qualified operator. It must be installed in a place where there is out of the reach of people.

2.INSTALLATIONS

installations Note: In order to increase protection, please install the lamp on the sidewalk, outside the seating area, or an area where unauthorized persons may touch the lamp
Before installing the fixture on any surface, make sure that the installation area can bear the minimum point load above 10 points of the weight of the equipment. The installation of the fixing device must always be fixed with auxiliary safety accessories (such as a suitable safety rope)
Do not stand directly under the equipment when installing, removing, or servicing fixtures
From the ceiling or set on a flat surface (see the picture below). Ensure that this fixture is kept at least 0.5m (1.5 feet) away from any flammable materials (decorations, etc.)
Be sure to use and install the supplied safety rope to ensure safety and

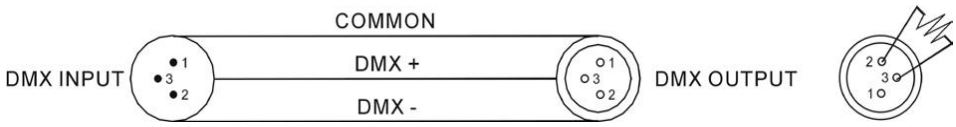
prevent accidental damage and/or injury in case the fixture is damaged
Installation point: Overhead installation requires a wealth of experience, including calculation of working load limits, in-depth understanding of the installation materials used, and regular safety inspections of all installation materials and fixtures. If you do not have these qualifications, please do not try to install it yourself. Improper installation can cause personal injury
Before connecting the main power cord to an appropriate wall outlet, make sure to complete all assembly and installation procedures
LED installation: LED shaking head provides a unique mounting bracket assembly, which integrates the bottom of the base and the fixing point of the safety cable into one unit . When installing the fixture to the truss, make sure to use the appropriate tools to fix it on the attached bracket, and use the M10 screw that passes through the center hole of the "bracket" to fix it. As an additional safety measure, make sure to use at least one safety cable integrated in the base assembly to connect at least one appropriately rated safety cable to the fixture.

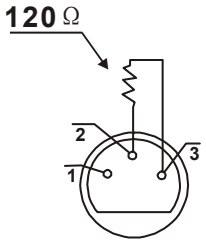
3. DMX-512 control connections

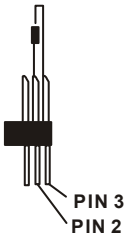
Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple

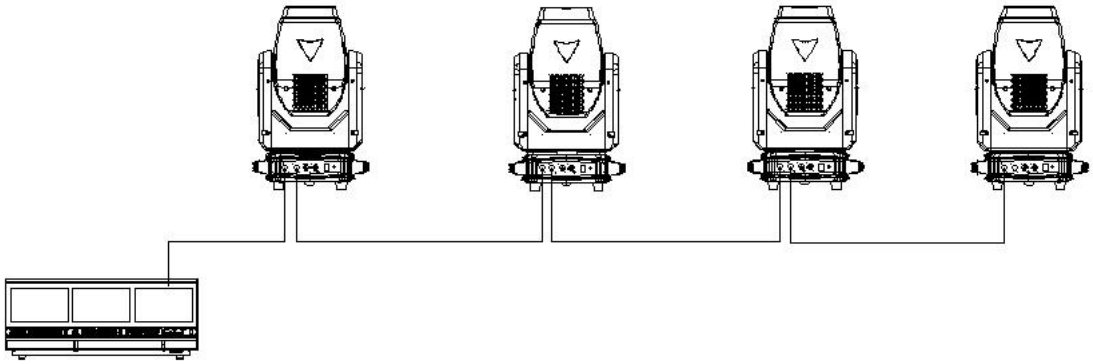
Moving heads be connected together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors.

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3,which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below







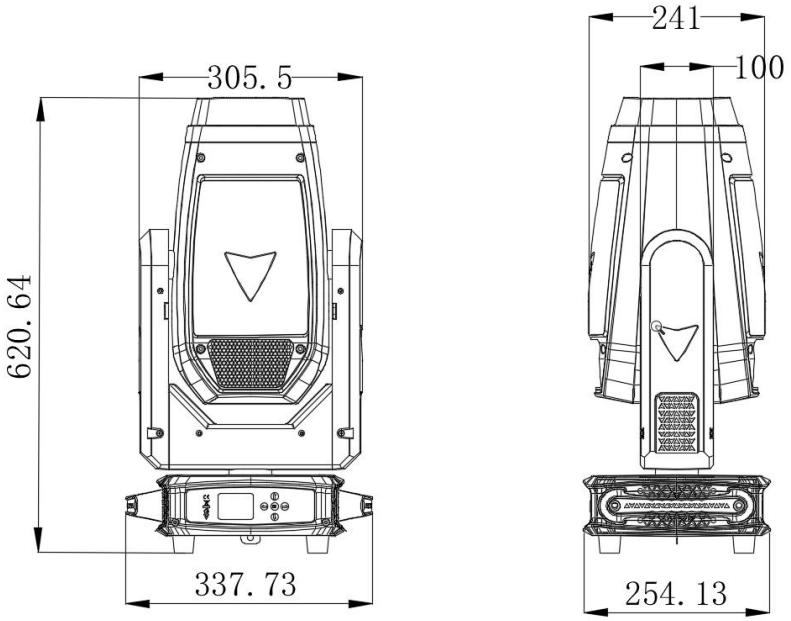


4.Address code setting

If you use a universal DMX controller to control the units, you have to set DMX address from 1 to 512 so that the units can receive DMX signal.
Press the MENU button to enter menu mode, select DMX Settings, press the ENTER button to confirm, use the UP/DOWN button to select DMX Address, press the ENTER button to confirm, the present address will blink in the display, use the UP/DOWN button to adjust the address from 001 to 512, press the ENTER button to store. Press the MENU button back to the last menu or let the unit idle 30 seconds to exit menu mode.Please refer to the following diagram to address your DMX512 channel for the first 4 units.

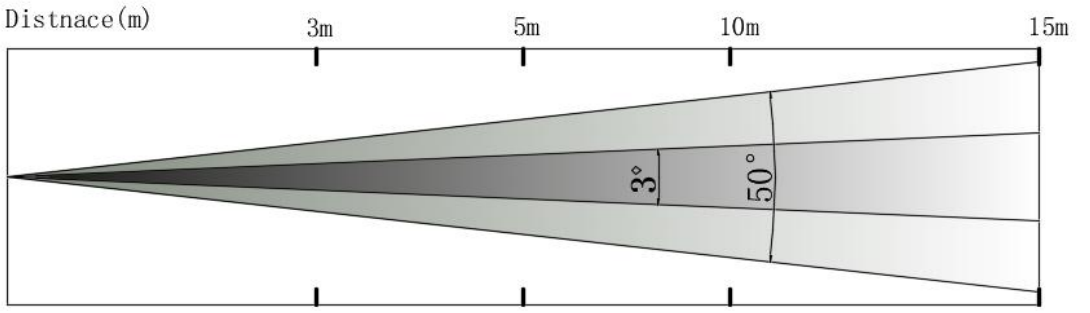
Channel MODE	UNIT1 ADDERSS	UNIT2 ADDERSS	UNIT3 ADDERSS	UNIT4 ADDERSS
29CH	1	30	59	88

5. Fixture size



6. Illuminance chart:

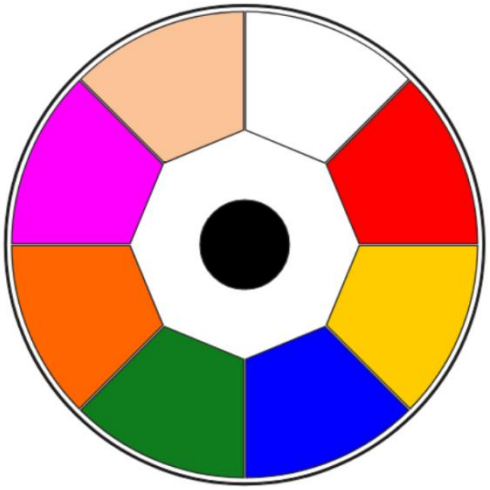
7.



3° LUX	107900	49400	16900	13000
Diameter(m)	0.4	0.6	1	1.33
50° LUX	7150	2730	715	325
Diameter(m)	1.88	3.15	9.45	12.6

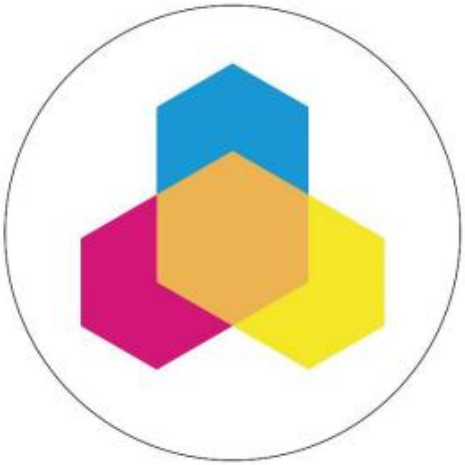
7. Effect Wheels

COLOR WHLLE

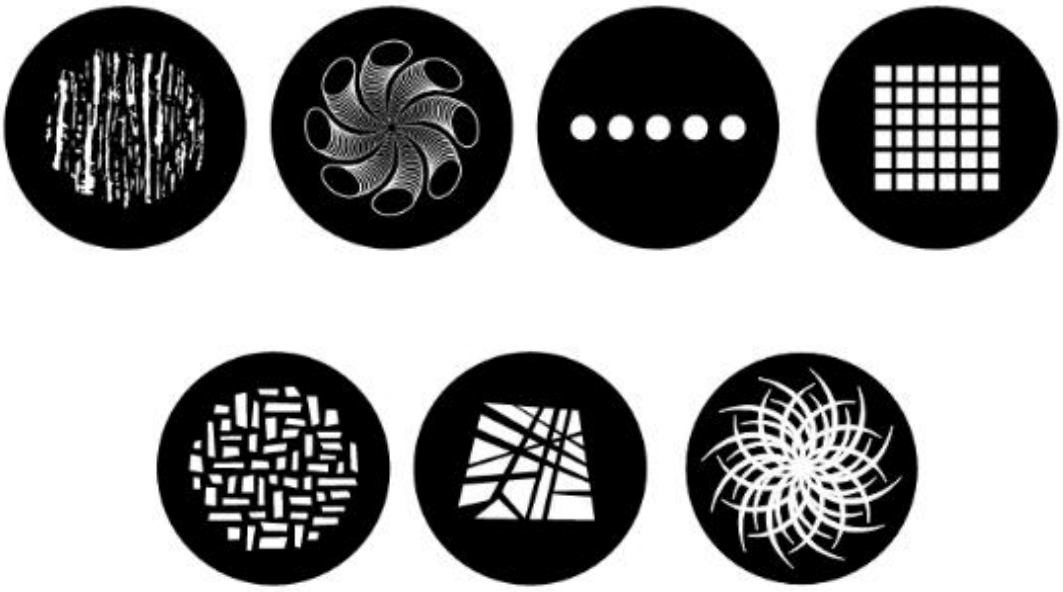


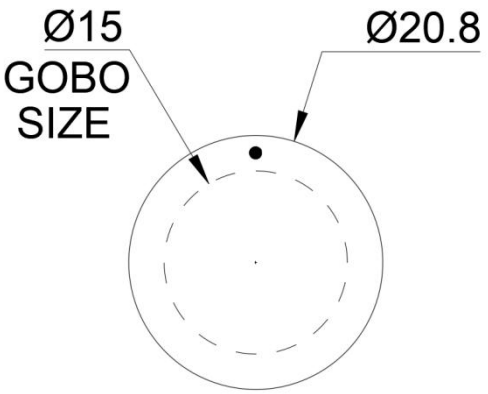
STATIC GOBO WHEEL

CMY+CTO



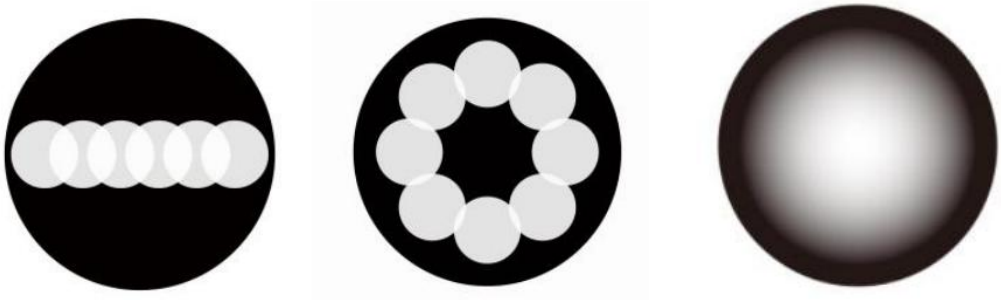
Rotation GOBO





Prism

Frost



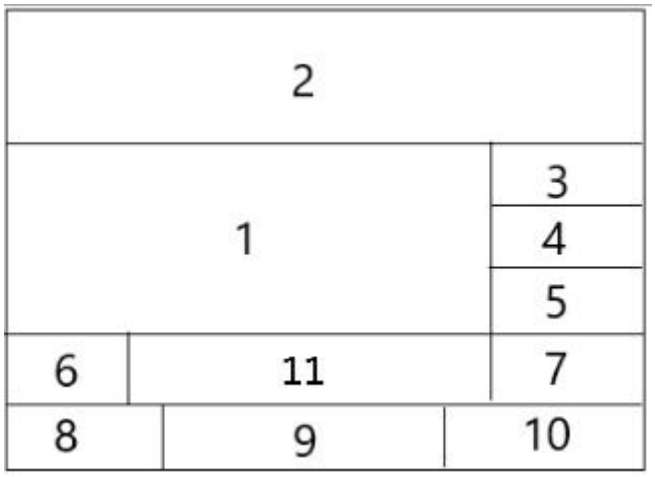
8. LED technical parameters

Input Voltage: 100-240V, 50/60Hz
Output Voltage: V1:48V:(LED driver)
V2:36V(Master board),
V2:12V(cooling fan+Display)
Power consumption: 480W
Power supply: 600W
Light source: 450W module LED engine (21-24V,8A)
LED expected service life: 20000 hours
LED temperature: 8500K
Diameter of optic lens: 148mm
Beam angle: 3-50°
Standard:70CRI
high :90CRI
DMX Channel: 29CH
Electric focusing system
Four dimming curves：Linear,Square law,Inverse squared law,S curve
Operate mode: DMX512, Auto, master/slave, RDM
0-100% 16bit linear smooth dimming
Multiple speed strobe effects
CMY color macro function
Linear CMY colour mixing
Linear CTO color temperature adjustment: 8500K-2800K
Color wheel: 1 color wheel, 7fixed colors plus white
Static gobo: 12 gobos plus 1 white circle
Rotation Gobo: 7 Gobo plus 1 white circle
Prism: Equipped with 8 prism, and 6 rows prism, the two prisms can be stacked and rotated in both
High brightness frost sheet: with smooth wash effect
Control panel: LCD Touch screen Overheating self-energy protection LED, extending LED life
X-axis rotation angle: 540°
Y-axis rotation angle: 270°
Three phase motor with SY Brand
XY axis magnetic coding positioning is more accurate
Power Outlet: Power Connector Input/Output
Signal Line: 3-pin or 5-pin signal line
Installation: folding clamp
Fixture size: 338*254*621mm

Features:

1. Integrating beam, pattern, and dyeing functions to inspire more creative inspiration for you
2. With linear CMY color mixing system and linear color temperature adjustment of 8500-2800K
3. 0-100% 16Bit smooth dimming,Four dimming curves
4. Overheating self-energy protection can extending lamp life
5. Three phase Motor with SY Brand (XY axis magnetic coding positioning is more accurate)
6. two angle lens 3° and 50° can change the gobo size
7. High quality LCD touch screen
8. Power in & Out connector,3 or 5pin XLR inout & output can optional
9. Folding clamp can optional
10. Housing material: PA6 Nylon(Solid,high temperature resistance up to 200 ° flame retardance)

9.LCD Homepage Instructions



1 — Displays the current DMX address in large font
2 — Logo display area
3 — DMX signal frame rate (FPS)
4 — Current channel mode, the displayed number indicates the current channel number
5 — Show current temperature
6 — Current Mode (Master, Slave)
7 — Current running mode (DMX512, Auto, User)
8 — Error message. If a red band "x" is displayed, the self-test found an error. (Press down to view specific error message)
9 - Display the address code of the next fixture
10 — SN term display

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10.Menu settings

Main Menu	First level menu	Secondary menu	Third level menu
DMX Address	000-255		
Channel Mode	29		
RESET	Motor power	ON	
		OFF	
	pan /tilt		
	color		
	gobo		
	beam path		
Run	DMX		
	Auto		
	user		
Manual	Lock manual Ctrl	No/Yes	
	pan:000		
	Tilt:000		
	P/T:000		
	DIM:000		
	.....		
	FOCUS		
Option	M/S Mode	slave/master	
	pan /tilt	Manual pan /tilt	On/Off
		Invrt pan	Off/On
		Invrt Tilt	Off/On
		Speed Chn RT	ON
			OFF
	Dim Curve	linear	
		Log	
		S-Curve	
		Squar Root	
		Square	
	User Program	Manual	step01
			step02
			.....
			step12
		Record	select Step:01
			select Step:02
			.....
			select Step:12

			time:000
			.....
			time:255
			Record:NO/YES
		Clear All	IN Put psw:xxx
	IF NO DMX	Power on:	middle
			Auto
			User
			no effect
		Run time:	On/Off
ADVANCED	Adj	xxxx	
	Display	Flip	On/Off
		Screen Saver	Black
			Light
	Language	English	
		Chinese	
	Factory Setting	xxxx	
	Adj Recover	xxxx	
INFORMATION	DMX Monitor	chn01:000	
		chn02:000	
		.....	
		chn58:000	
	system Errors		
	LED	Usage Times	0000Hr
		Clear Times	xxxx
	Factory Test	xxxx	
	Product Code		

11. DMX512

29CH

CH	DMX	Explanation
1	0-255	**Pan**
2	0-255	**Pan fine**
3	0-255	**Tilt**
4	0-255	**Tilt fine**
5		**Pan/Tilt speed**
	0	NO
	1-255	speed from fast to slow
6	0-255	**Dimming**
7	0-255	**Dimming fine**
8		**Strobe**
	0-3	closure
	4-103	Strobe from slow to fast
	104-107	Open
	108-157	Quick extinction and slow opening, from fast to slow
	158-207	Fast on, slow off, from fast to fast
	208-212	Open
	213-251	Random strobe, from slow to fast
	252-255	Open
9		**cyan**
	0-255	Color saturation from light to deep
10		**magenta**
	0-255	Color saturation from light to deep
11		**yellow**
	0-255	Color saturation from light to deep
12		**CTO**
	0-255	Color saturation from light to deep
13		**CMY Macro**
	0-255	CMY swinging cut, from slow to fast
14		**color**
	0-3	white light
	4-11	red
	12-19	yellow
	20-27	green
	28-35	blue
	36-43	orange

	44-51	magenta
	52-59	CRI
	60-189	Continuous linear arbitrary positioning
	190-222	Rainbow effect from fast to slow
	223-255	Rainbow effect from slow to fast
15		**CRI**
	0-63	NO FUNCTION
	64-255	CRI
16		**GOBO**
	0-4	white light
	5-12	GOBO 1
	13-20	GOBO 2
	21-28	GOBO 3
	29-36	GOBO 4
	37-44	GOBO 5
	45-52	GOBO 6
	53-60	GOBO 7
	61-68	GOBO 8
	69-76	GOBO 9
	77-84	GOBO 10
	85-92	GOBO 11
	93-102	GOBO 12
	103-110	GOBO 1shaking from slow to fast
	111-118	GOBO 2 shaking from slow to fast
	119-126	GOBO 3 shaking from slow to fast
	127-134	GOBO 4 shaking from slow to fast
	135-142	GOBO 5shaking from slow to fast
	143-150	GOBO 6 shaking from slow to fast
	151-158	GOBO 7 shaking from slow to fast
	159-166	GOBO 8 shaking from slow to fast
	167-174	GOBO 9 shaking from slow to fast
	175-182	GOBO 10 shaking from slow to fast
	183-190	GOBO 11 shaking from slow to fast
	191-199	GOBO 12 shaking from slow to fast
	200-201	open
	202-227	GOBO scrolls forward, from fast to slow
	228-229	Stop scrolling
	230-255	GOBO Reverse scrolling , from slow to fast
17		**Rotation GOBO**
	0-5	white light
	6-15	GOBO1

	16-25	GOBO2
	26-35	GOBO3
	36-45	GOBO4
	46-55	GOBO5
	56-65	GOBO6
	66-75	GOBO7
	76-92	GOBO 1shaking from slow to fast
	93-109	GOBO 2 shaking from slow to fast
	110-126	GOBO 3 shaking from slow to fast
	127-143	GOBO 4 shaking from slow to fast
	144-160	GOBO 5shaking from slow to fast
	161-177	GOBO 6 shaking from slow to fast
	178-199	GOBO 7 shaking from slow to fast
	200-201	null
	202-227	Forward gobo flow effect: from fast to slow
	228-229	gobo stops spinning
	230-255	Reverse gobo Flow Effect: Slow to Fast
18		**GOBO rotation**
	0-127	Rotation gobo indexing
	128-190	Forward gobo Rotation: Fast to Slow
	191-192	stop
	193-255	Reverse gobo Rotation: Slow to Fast
19		**GOBO rotation fine**
	0-255	GOBO rotation fine
20		**4 Prism**
	0-127	NO Prism
	128-255	Prism IN
21		**4 Prism rotation**
	0-127	Prism 1 positioning and rotation
	128-190	Prism 1 rotates in reverse, from fast to slow
	191-192	stop
	193-255	Prism 1 rotates in a forward direction, from slow to fast

22		**8 Prism**
	0-127	NO Prism
	128-255	Prism IN
23		**8 Prism rotation**
	0-127	Prism 1 positioning and rotation
	128-190	Prism 1 rotates in reverse, from fast to slow
	191-192	stop
	193-255	Prism 1 rotates in a forward direction, from slow to fast
24		**frost**
	0-63	null
	64-255	frost
25	0-255	**ZOOM**
26	0-255	**Zoom fine**
27	0-255	**Focus**
28	0-255	**Focus fine**
29		**reset**
	0-25	null
	26-76	effect reset
	77-127	Pan/Tilt reset
	128-255	reset all

12.Common malfunctions

1. After the lamp is reset normally, it will not accept the control of the console

- Check whether the digital start address value and function options of the lamps are correct;
- Check whether the connection of the communication control line is correct, the communication line is too long or has been interrupted;
- Check whether the control equipment is invalid, and check whether the signal amplifier connected in series is invalid;
- Check whether the communication line is too long or other devices interfere with each other;
- Optimize wiring, shorten the length of control signal lines, separate high-voltage and low-voltage lines;
- Add a signal amplifier;
- The signal line adopts high-quality shielded twisted pair;
- Connect a signal terminating resistor (120 ohms) at the end of the fixture.

2. The lamps cannot be started

- Check that the lamps have poor contact or fall off due to extrusion deformation, vibration of internal parts, moisture and other reasons during long-distance transportation.
- Please check whether the wires and connectors inside the lamp are detached or loose.
- Check whether the electronic components of lamps (such as electronic transformers, PCB boards, motor control boards, etc.) are loose, short-circuited and burned out.

3. When working, the X-axis or Y-axis of the lamp does not move normally

- Check whether the transmission belt corresponding to the X and Y axis directions in the lamp is off and broken;
- Check whether the data feedback receiver (optical coupler) corresponding to the X and Y directions in the lamp is damaged;
- Reboot to reset once.