SILVER STAR
Professional Lighting

NEPTUNE
SS9475SCM BX5-HT

PROFESSIONAL STAGE LIGHTING OEM & ODM MANUFACTURER

1 PRODUCT

1.1 TECHNICAL SPECIFICATIONS

Type	SS9475SCM
LED colors	500W Laser source
Angle	0.4-45°
Power	750W
Control Protocol	DMX512，RDM，sACN，ARTNET，NFC，CRMX(Optional)
Voltage Range	100-240V~,50/60Hz
Input Current	110V/7A,220V/3.5A
Protection	IP66
Operation Temperature	-20℃~45℃
Dimensions	501x368x831mm
Weight	59.3kg

Dimensional Drawing
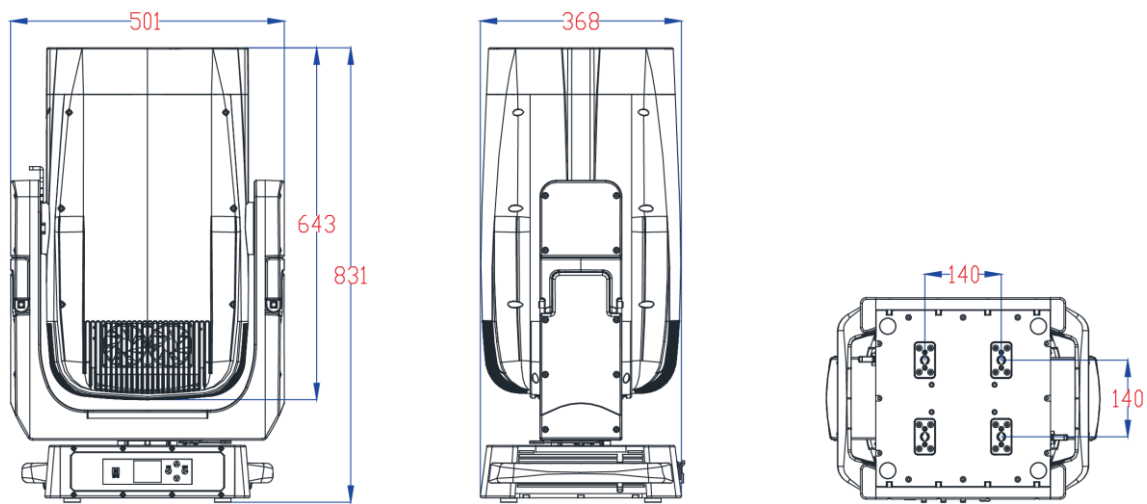
1.2 Safety Notes

IMPORTANT

- This product must be installed by a qualified professional.
- In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes
- The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

CAUTION!

- Make sure that the available voltage is not higher than stated on the rear panel.
- Do not touch the power cables if your hands are wet.
- The earth wire must always be connected to the ground. Therefore it is essential to connect the yellow/green conductor to earth.
- Make sure that the power-cord is never crimped or damaged by sharp edges. Check the device and the power-cord from time to time. The electric connection, repairs and servicing must be carried out by a qualified employee.
- Always disconnect power input cable to completely remove power from unit when not in use or before cleaning or servicing the fixture.
- Do not switch the fixture on and off in short intervals as this would reduce the lamp's life.
- Do not touch the device's housing bare hands during its operation (housing becomes hot)! The surface of the product's casing can reach up to 70° C (158° F) during operation. Avoid contact by persons and materials. Do not install the product in a location where there is a risk of accidental contact. Allow the product to cool for at least 10 minutes before handling.
- For replacement use lamps and fuses of same type and rating only.
- Please protect the fixture and avoid destroy during transport and installation. If there is any damage to the coating, the shell may be corroded.
- When hanging lamps and lanterns, it is necessary to verify that facilities and hooks can bear at least 10 times the weight of lamps and lanterns.
- Fix the safety rope at the correct holes only. Only operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastened.
- The ambient temperature of this device is -20°C -45°C, please use the lighting fixtures within this range. (Note: When the laser light source detects a temperature between -20°C and 0°C, the device needs to heat the internal temperature to above 0°C before it lights up.)
- During the initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective.

Electrical Warning

- The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similar qualified person
- For replacement use lamps and fuses of same type and rating only.
- The lens has to be replaced when it is obviously damaged, so that its function is impaired, e. g. due to cracks or deep scratches!

Keep the product well away from flammable materials

- Keep all combustible materials (e.g. fabric, wood, paper) at least 1200 mm (47 in.) away from the product.

- Ensure that there is free and unobstructed airflow around the product. Provide a minimum clearance of 150 mm (6 in.) around fans and air vents.
- Do not illuminate surfaces within 45m (148ft.) of the product.
- Do not install a fuse that has a higher rating than the one originally installed in the product. Do not bypass fuses.
- Do not stick filters, masks or other materials onto optical components.
- If the fixture seems to be abnormally hot, shows signs of melting or emits smoke, disconnect the fixture from power immediately and allow it to cool. Do not touch the fixture without heatproof safety gloves. Keep the fixture well away from combustible and flammable materials.

NEVER LOOK DIRECTLY INTO THE LIGHT SOURCE!
RETINA INJURY RISK - MAY INDUCE BLINDNESS!

Do not point the front of the fixture towards the sun or other strong light sources. The front lens focuses and concentrates light just like a magnifying glass. Strong light can cause internal damage to the fixture, melting components or starting an internal fire within seconds.

To avoid problems from strong light sources:

- Do not expose the front of a fixture to sunlight or any other strong light source. Avoid pointing other high-powered beam lights directly at the fixture.
- Do not focus a light beam from one lighting fixture directly towards another.
- For outdoor applications during daylight, make sure that the front face of any fixture is shielded or points away from the sun, even when not in use.
- Do not expose the product to heat (from other lighting fixtures for example).

2 INSTALLATION

2.1 MOUNTING

Truss installation

◆ Keep all combustible materials (e.g. fabric, wood, paper) at least 500 mm (20 in.) away from the product.

◆ For overhead use, always install a safety cable that can hold at least 10 times the weight of the fixture.

◆ For overhead installation, the fixture must be always secured with a safety wire that can bear at least 10 times the weight of the fixture；

◆ Secure the fixture with a safety cable through the rear safety eye and truss as shown..

◆ Ensure that the structure (truss) to which you are attaching the fixture is secure
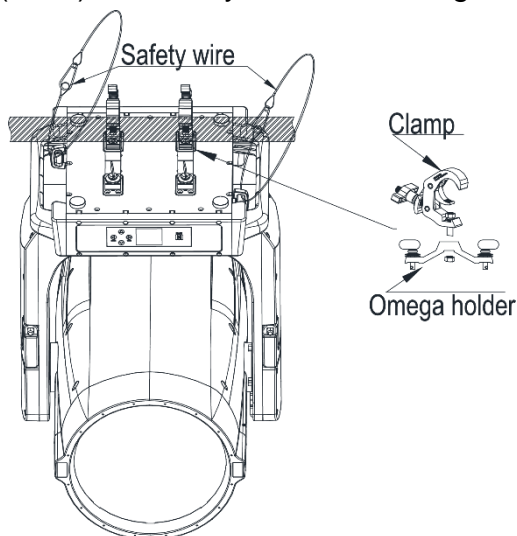
2.2 Fuse replacement

◆ Remove the safety cap by a screwdriver.

◆ Fetch the old fuse from safety cap.

◆ Install a new fuse.

◆ Install the safety cap.
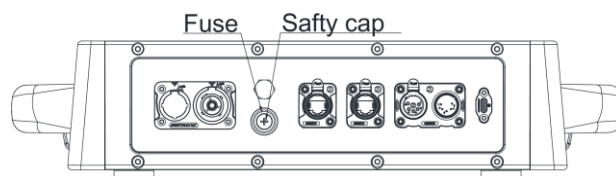
2.3 POWER CONNECTIONS

◆ POWER Linking: 1 units@110V；2 units@220V.

◆ This product has an auto-ranging power supply that can work with an input voltage range of 100–240 VAC, 50/60 Hz.

AC Plug

Connection	Wire (U.S.	Wire(Europe)	Screw Color
AC Live	Black	Brown	Yellow/Brass
AC Neutral	White	Blue	Silver
AC Ground	Green/Yellow	Green/Yellow	Green

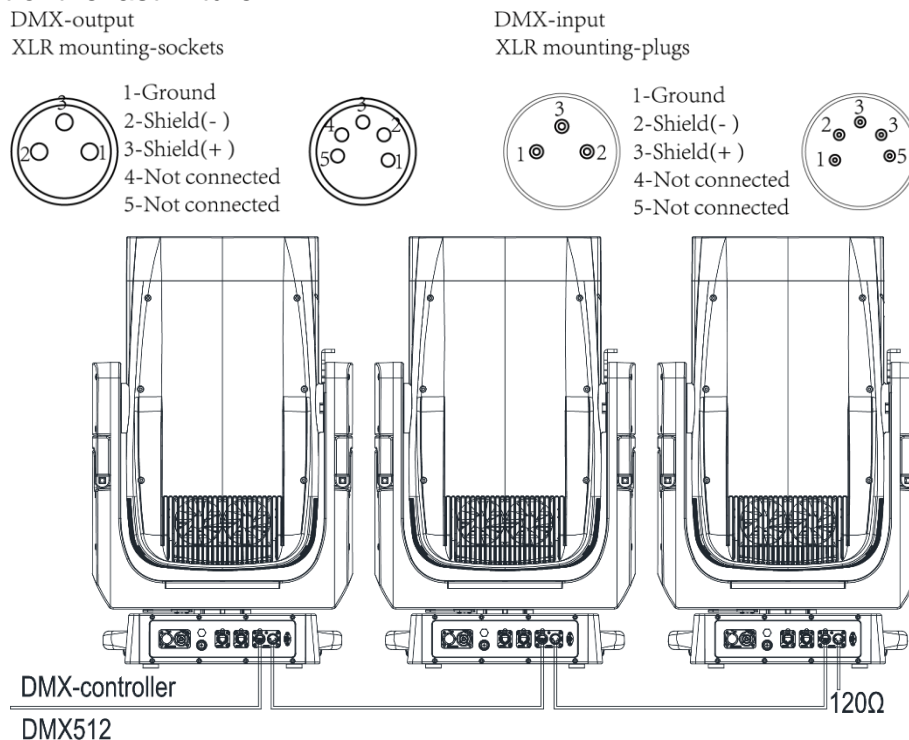## 2.4 Data network requirements

◆ Connect the DMX512 controller to the units in series. A DMX 512 data link is required in order to control the fixture via DMX. The fixture has 3/5-pin XLR connectors for DMX data input and output.

◆ Each unit has N DMX channels so the DMX Addresses should increase by increments of 1，(Nx1)+1，(Nx2)+1，(Nx3)+1...

◆ Any DMX address in the range from 001 to 512 may be used.

◆ Connect the DMX-output of the first fixture in the DMX chain with the DMX-input of the next fixture. Always connect one output with the input of the next fixture until all fixtures are connected.

◆ Caution: At the last fixture, the DMX-cable has to be terminated with a terminator. Solder a 120 Ω resistor between Signal (−) and Signal (+) into a 3/5-pin XLR-plug and plug it in the DMX-output of the last fixture.

DMX-output
XLR mounting-sockets

1-Ground
2-Shield(-)
3-Shield(+)
4-Not connected
5-Not connected

DMX-input
XLR mounting-plugs

1-Ground
2-Shield(-)
3-Shield(+)
4-Not connected
5-Not connected

DMX-controller
DMX512

120Ω

2.5 Update software

◆ Steps of updating software with USB-C interface:
   1. Insert USB-C U dish into USB-C interface
   2. After finding "Upgrade Software" in the menu,
      Find the corresponding software and click OK

USB-C
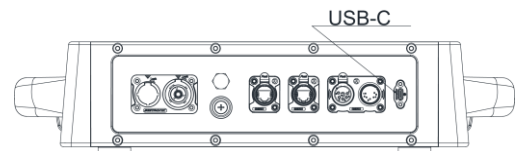
3 FUNCTIONS AND SETTINGS

3.1 DISPLAY OPERATION

◆ MENU：Used to access the menu or to return a previous menu option;
◆ ENTER：Used to select and store the current menu or confirm the current function value or option within a menu;
◆ UP：Navigates downwards through the menu list and increases the numeric value when in a function;
◆ DOWN：Navigates upwards through the menu list and decreases the numeric value when in a function；
◆ Lock screen password：Long press 5s Left，Input after the screen is bright - UP/DOWN/UP/DOWN
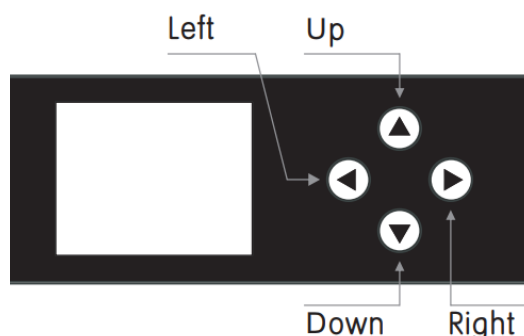
3.2 Menu Map

ADDRESS	001 – 512(Default 001)			DMX address setting
PERSON	BASIC			Use the menu to select desired channel mode
	STANDARD (Default)			
	EXTEND			
RUNMODE	DMX512 (Default)			Select Signal
	ARTNET			Default: DMX512
	ARTNET TO DMX			CUSTOM1-2 Set up get into EDIT
	sACN			MENU edit
	AUTO			
	CUSTOM1			
	CUSTOM2			
OPTION	PAN/TILT SETTING	PAN INVERT	NORMAL(Default)	PAN moving direction selection
			INVERT	
		TILT INVERT	NORMAL(Default)	TILT moving direction selection
			INVERT	
		PT ENCODER	OFF	PAN moving degree selection
			ON(Default)	
		SAFETY LIMIT	PAN(-)	-270 ~ -1	Rotation angle limit
			PAN(+)	1 ~ 270	
			TILT (-)	-135 ~ -1	
			TILT (+)	1 ~ 135	

		BLACKOUT	OFF (Default)		Select OFF blackout without delay
			ON		Select ON Blackout delay 3s
	DIMMER SETTING	DIMMER SPEED	HALOGEN		Dimming speed LED (fast) to Halogen (slow)；
			OFF(Default)		
		DIMMER CURVE	LINEAR		Sets the Dimmer curve
			SQUARE LAW (Default)		
			INV. SQUARE LAW		
			S-CURVE		
		LED PWM	1200Hz (Default)		Sets the PWM frequency
			2400Hz		
			4000Hz		
			6000Hz		
			25000Hz		
	DISPLAY SETTING	DISPLAY LOCK	OFF		Locks display (passcode is <UP>, <DOWN>,<UP>, <DOWN>, <ENTER>)
			ON (Default)		
		DISPLAY TIME	On		Display backlight always on
			30s (Default)		Turns off display backlight after 30s/1min /2min of inactivity
			1min		
			2min		
		LANGUAGE	****	Chinese	Language selection
				ENGLISH	
	SUN PROTECTION	OFF(Default)			Turn the fixtures Head to earth
		ON			
	PERFORM	STUDIO			Fan mode low speed
		POWER			Fast rotation of fan，all power
		LIVE (Default)			Automatic rotation of fan
	DMX ERROR	SAVE (Default)			Hold after loss of DMX signal
		BLACK			Blackout after loss of DMX signal
	LOAD PARA	NO			Not upload data
		YES			Upload data
	SETTING	RECOVERY	****		Restore default factory settings.
		RESET LIMITS	****		Reset XY limit
		CLEAN EDIT1	****		Clean customer self-editing scene 1
		CLEAN EDIT2	****		Clean customer self-editing scene 2
		WDMX HIDE	NO(Default)		Hide wireless mode WDMX reset and signal hide and the default is wired mode only
			YES		

			NET SWITCH	2.xxx.xxx.xxx(Default)		Net switch off IP mode
		NETWORK	NET SWITCH	10.xxx.xxx.xxx		Net switch on IP mode
			UNIVERS	0-255		Packet group Settings
			IP MODE	DEFAUL IP(Default)		Default IP
			IP MODE	CUSTOM IP		Customer's IP
			CUSTOM IP	XX.XX.XX.XX		Customer's IP setting
		SIGNAL	ONLY XLRDMX (Default)			ONLY XLR is wire only
			XLRDMX FIRST			XLR FIRST is wire first
			ONLY WDMX			ONLY WDMX is wireless only
			WDMX FIRST			WDMX FIRS is wireless first
			WDMX TO XLRDMX			WDMX TO DMX is wireless to wired
		WDMX RESET	NO(Default)			Do not clear the receiver's message
			YES			Clear the receiver's message
EDIT	EDIT 1-2	STEP 1-30	PAN	0-255		Edit the custom programs1-30 Select play 【EDIT 1】 in RUNMOEDE CUSTOM 1; Select play 【EDIT 2】 in RUNMOEDE CUSTOM 2
			TILT	0-255		
			PT SPEED	0-255		
			PAN ROTA	0-255		
			CMY_C	0-255		
			CMY_M	0-255		
			CMY_Y	0-255		
			CTO	0-255		
			COLOR	0-255		
			ROTA.GOBO	0-255		
			GOBO.ROTA	0-255		
			FIXED GOBO	0-255		
			P/F 1 INDEX	0-255		
			PRISM 1 ROTA	0-255		
			P/F 2 INDEX	0-255		
			PRISM 2 ROTA	0-255		
			ZOOM	0-255		
			FOCUS	0-255		
			DIMMER	0-255		
			STROBE	0-255		
			TIME	0-255		
			USE	YES/NO		Select YES to run the steps user need.
MANUAL	Auto Test					Auto Test channel
	CHANNEL	PAN	0-255			Manual control channel
		TILT	0-255			
		PT SPEED	0-255			
		PAN ROTA	0-255			

		CMY_C	0-255	
		CMY_M	0-255	
		CMY_Y	0-255	
		CTO	0-255	
		COLOR	0-255	
		ROTA.GOBO	0-255	
		GOBO.ROTA	0-255	
		FIXED GOBO	0-255	
		P/F 1 INDEX	0-255	
		PRISM 1 ROTA	0-255	
		P/F 2 INDEX	0-255	
		PRISM 2 ROTA	0-255	
		ZOOM	0-255	
		FOCUS	0-255	
		DIMMER	0-255	
		STROBE	0-255	
	DEBUG HIDE	YES		Factory testing mode. All stepper motors are not controlled by signal, It only works again after the reset.
		NO		
	RESET	ALL RESET		Select Yes/No to carry out all reset
		XY RESET		Select Yes/No to carry out P/T reset
		COLOR GOBO SYS		Color/CMYK reset
		ZOOM FOCUS RESET		Focus/Zoom reset
INFO	VERSION			Software versions
	TEMPERATURE			LED temperature
	FAN SEPPED			Fan speed detection
	FIXTURE HOURS			Hours of fixture use
	LASER USE HOURS			LED use time
	NETWORK			network address
	RDM	UID	0x388Axxxxxxxx	Check fixture's ID
		LABEL		Check fixture's LABEL
	SYSTEM ERROR	MEMORY IC		Memory IC
		ANGLESENSOR		Angle Sensor
		PAN SENSOR		Pan Sensor
		PAN ENCODER		Pan Encoder
		PAN DRIVE IC-1		Pan Drive IC-1
		PAN DRIVE IC-2		Pan Drive IC-2
		TILT SENSOR		Tilt Sensor
		TILT ENCODER		Tilt Encoder

		TILT DRIVE IC-1			Tilt Drive IC-1
		TILT DRIVE IC-2			Tilt Drive IC-2
		LASER NTC			Laser NTC
		CMY_C RESET			CMY C Reset
		CMY_M RESET			CMY M Reset
		CMY_Y RESET			CMY Y Reset
		COLOR RESET			Color Reset
		GOBO RESET			Gobo Reset
		RGOBO RESET			Rotate Gobo Reset
		FIXED GOBO			Fixed Reset
		P/F 1 INDEX RESET			P/F 1 Index Reset
		PRISM 1 ROTA RESET			Prism 1 Rota Reset
		P/F 2 INDEX RESET			P/F 2 Index Reset
		PRISM 2 ROTA RESET			Prism 2 Rota Reset
		ZOOM RESET			Zoom Reset
		FOCUS RESET			Focus Reset
		NETWORK IC			Network IC
RVICE	****	PAN	±127		Pan position fine adjustment
		TILT	±127		Tilt position fine adjustment
		CMY-C	±127		CMY-C position fine adjustment
		CMY-M	±127		CMY-M position fine adjustment
		CMY-Y	±127		CMY-Y position fine adjustment
		COLOR	±127		CTO position fine adjustment
		ROTA. GOBO	±127		Rotate Gobo position fine adjustment
		GOBO.ROTA	±127		Self-rotation position fine adjustment
		FIXED GOBO	±127		Fixed Gobo position fine adjustment
		P/F 1 INDEX	±127		P/F 1 position fine adjustment
		PRISM 1 ROTA	±127		Prism 1 position fine adjustment
		P/F 2 INDEX	±127		P/F 2 position fine adjustment
		PRISM 2 ROTA	±127		Prism 2 position fine adjustment
		ZOOM	±127		Zoom position fine adjustment
		FOCUS	±127		Focus position fine adjustment
UPDATE SOFTWARE					Update software

All passwords of this product are <UP>, <DOWN>,<UP>, <DOWN>, <ENTER>

4 USING A DMX512 CONTROLLER

4.1 DMX CONTROL

BASIC (23CH)	STANDARD (28CH)	Extend (34CH)	VALUE	Functions	
1	1	1	000-255	PAN	
-	2	2	000-255	PAN FINE	
2	3	3	000-255	TILT	
-	4	4	000-255	TILT FINE	
3	5	5	000-255	PT Speed	
4	6	6	**PAN Motor continuous rotation**		
			0-63	stop rotation by spinout	
			64-127	stop rotation by shortcut	
			128-189	Forwards Pan rotation from fast to slow	
			190-193	No rotation	
			194-255	Backwards Pan rotation from slow to fast	
5	7	7	000-255	CYAN	
-	-	8	000-255	CYAN FINE	
6	8	9	000-255	MAGENTA	
		10	000-255	MAGENTA FINE	
7	9	11	000-255	YELLOW	
-	-	12	000-255	YELLOW FINE	
8	10	13	000-255	CTO	
-	-	14	000-255	CTO FINE	
9	11	15	**COLOUR MACRO**		
			0-10	No Function	
			11-20	L106	
			21-30	L194	
			31-40	L019	
			41-50	R08	
			51-60	L213	
			61-70	R80	
			71-80	L202	
			81-90	L328	
			91-100	R3314	
			101-110	L101	
			111-120	L768	
			121-128	No Function	
			129-147	CYAN 100% / MAGENTA UP / YELLOW 0%	
			148-166	CYAN DOWN / MAGENTA 100% / YELLOW 0%	
			167-185	CYAN 0% / MAGENTA 100% / YELLOW UP	
			186-204	CYAN 0% / MAGENTA DOWN / YELLOW 100%	
			205-223	CYAN UP / MAGENTA 0% / YELLOW 100%	

			224-242	CYAN 100% /MAGENTA 0%/YELLOW DOWN
			243-255	CYAN 100%/MAGENTA UP/YELLOW 0%
10	12	16	000-255	CMY SPEED(SPEED 100%->1)
			COLOR WHEEL 19+1	
			0-5	WHITE
			6	COLOR 1
			7	COLOR 2
			8	COLOR 3
			9	COLOR 4
			10	COLOR 5
			11	COLOR 6
			12	COLOR 7
			13	COLOR 8
			14	COLOR 9
			15	COLOR 10
			16	COLOR 11
			17	COLOR 12
			18	COLOR 13
			19	COLOR 14
			20	COLOR 15
			21	COLOR 16
			22	COLOR 17
			23	COLOR 18
11	13	17	24	COLOR 19
			25	COLOR 20
			26	COLOR 21
			27	CTO1
			28	CTO2
			29	CTO3
			30	CTO4
			31	CTO5
			32	CTO6
			33	CTO7
			34	CTO8
			35	CTO9
			36	CTO10
			37	CTO11
			38	CTO12
			39	CTO13
			40-191	COLOR WHELL1 0-360°
			192-222	COLOR WHELL1 RAINBOW EFFECT(SPEED 100%->1)
			223-224	STOP
			225-255	COLOR WHELL1 RAINBOW EFFECT (SPEED 1->100%)
-	-	18	000-255	COLOR WHEEL FINE

			ROTATING GOBO 12+1	
12	14	19	ROTATING GOBO 12+1	
			0-5	ROTATING WHITE
			6-10	ROTATING GOBO 1
			11-15	ROTATING GOBO 2
			16-20	ROTATING GOBO 3
			21-25	ROTATING GOBO 4
			26-30	ROTATING GOBO 5
			31-35	ROTATING GOBO 6
			36-40	ROTATING GOBO 7
			41-45	ROTATING GOBO 8
			46-50	ROTATING GOBO 9
			51-55	ROTATING GOBO 10
			56-60	ROTATING GOBO 11
			61-65	ROTATING GOBO 12
			66-70	ROTATING GOBO 1 SHAKE (SPEED 1 —> 100%)
			71-75	ROTATING GOBO 2 SHAKE (SPEED 1 —> 100%)
			76-80	ROTATING GOBO 3 SHAKE (SPEED 1 —> 100%)
			81-85	ROTATING GOBO 4 SHAKE (SPEED 1 —> 100%)
			86-90	ROTATING GOBO 5 SHAKE (SPEED 1 —> 100%)
			91-95	ROTATING GOBO 6 SHAKE (SPEED 1 —> 100%)
			96-100	ROTATING GOBO 7 SHAKE (SPEED 1 —> 100%)
			101-105	ROTATING GOBO 8 SHAKE (SPEED 1 —> 100%)
			106-110	ROTATING GOBO 9 SHAKE (SPEED 1 —> 100%)
			111-115	ROTATING GOBO 10 SHAKE (SPEED 1 —> 100%)
			116-120	ROTATING GOBO 11 SHAKE (SPEED 1 —> 100%)
			121-125	ROTATING GOBO 12 SHAKE (SPEED 1 —> 100%)
			126-127	WHITE
			128-190	ROTATING GOBO FLOWING WATER EFFECT (SPEED 100 —> 1%)
			191-192	STOP WATER EFFECT
			193-255	ROTATING GOBO FLOWING WATER EFFECT (SPEED 1 —> 100%)
13	15	20	GOBO ROTATING	
			0-120	ROTATING GOBO ANGLE ADJUSTMENT (0 —> 360°)
			121-125	STOP
			126-165	ROTATING GOBO SHAKE (SPEED 1 —> 100%)
			166-170	STOP
			171-210	ROTATING GOBO POSITIVE ROTATION (SPEED 100% —> 1)
			211-215	STOP
			216-255	ROTATING GOBO REVERSE ROTATION (SPEED 1 —> 100%)
-	-	21	000-255	GOBO ROTATING FINE
14	16	22	FIXED GOBO WHEEL 25+1	
			0-5	WHITE
			6	FIXED GOBO 1
			7	FIXED GOBO 2
			8	FIXED GOBO 3

				9	FIXED GOBO 4
				10	FIXED GOBO 5
				11	FIXED GOBO 6
				12	FIXED GOBO 7
				13	FIXED GOBO 8
				14	FIXED GOBO 9
				15	FIXED GOBO 10
				16	FIXED GOBO 11
				17	FIXED GOBO 12
				18	FIXED GOBO 13
				19	FIXED GOBO 14
				20	FIXED GOBO 15
				21	FIXED GOBO 16
				22	FIXED GOBO 17
				23	FIXED GOBO 18
				24	FIXED GOBO 19
				25	FIXED GOBO 20
				26	FIXED GOBO 21
				27	FIXED GOBO 22
				28	FIXED GOBO 23
				29	FIXED GOBO 24
				30	FIXED GOBO 25
				31-33	FIXED GOBO 1 SHAKE (SPEED 1 —> 100%)
				34-36	FIXED GOBO 2 SHAKE (SPEED 1 —> 100%)
				37-39	FIXED GOBO 3 SHAKE (SPEED 1 —> 100%)
				40-42	FIXED GOBO 4 SHAKE (SPEED 1 —> 100%)
				43-45	FIXED GOBO 5 SHAKE (SPEED 1 —> 100%)
				46-48	FIXED GOBO 6 SHAKE (SPEED 1 —> 100%)
				49-51	FIXED GOBO 7 SHAKE (SPEED 1 —> 100%)
				52-54	FIXED GOBO 8 SHAKE (SPEED 1 —> 100%)
				55-57	FIXED GOBO 9 SHAKE (SPEED 1 —> 100%)
				58-60	FIXED GOBO 10 SHAKE (SPEED 1 —> 100%)
				61-63	FIXED GOBO 11 SHAKE (SPEED 1 —> 100%)
				64-66	FIXED GOBO 12 SHAKE (SPEED 1 —> 100%)
				67-69	FIXED GOBO 13 SHAKE (SPEED 1 —> 100%)
				70-72	FIXED GOBO 14 SHAKE (SPEED 1 —> 100%)
				73-75	FIXED GOBO 15 SHAKE (SPEED 1 —> 100%)
				76-78	FIXED GOBO 16 SHAKE (SPEED 1 —> 100%)
				79-81	FIXED GOBO 17 SHAKE (SPEED 1 —> 100%)
				82-84	FIXED GOBO 18 SHAKE (SPEED 1 —> 100%)
				85-87	FIXED GOBO 19 SHAKE (SPEED 1 —> 100%)
				88-90	FIXED GOBO 20 SHAKE (SPEED 1 —> 100%)
				91-93	FIXED GOBO 21 SHAKE (SPEED 1 —> 100%)
				94-96	FIXED GOBO 22 SHAKE (SPEED 1 —> 100%)

			97-99	FIXED GOBO 23 SHAKE (SPEED 1 —> 100%)
			100-102	FIXED GOBO 24 SHAKE (SPEED 1 —> 100%)
			103-105	FIXED GOBO 25 SHAKE (SPEED 1 —> 100%)
			106-127	WHITE
			128-190	STATIC GOBO JUMPING WATER EFFECT (SPEED 100 —> 1%)
			191-192	STOP WATER EFFECT
			193-255	STATIC GOBO FLOWING WATER EFFECT (SPEED 1 —> 100%)
15	17	23	**P/F INDEX 1**	
			0-10	WHITE
			11-50	PRISM 1
			51-100	PRISM 2
			101-150	PRISM 3
			151-200	FROST 1
			201-255	FROST 2
16	18	24	**PRISM 1**	
			0-10	WHITE
			11-145	PRISM INSERT AND ADJUST THE ANGLE (0 —> 360°)
			146-150	STOP
			151-200	PRISM INSERT AND POSITIVE ROTATION (SPEED 100% —> 1)
			201-205	STOP ROTATION
			206-255	PRISM INSERT AND REVERSE ROTATION (SPEED 1 —> 100%)
17	19	25	**P/F INDEX 2**	
			0-10	WHITE
			11-50	PRISM 4
			51-100	PRISM 5
			101-150	PRISM 6
			151-200	PRISM 7
			201-255	FROST 3
18	20	26	**PRISM 2**	
			0-10	WHITE
			11-145	PRISM INSERT AND ADJUST THE ANGLE (0 —> 360°)
			146-150	STOP
			151-200	PRISM INSERT AND POSITIVE ROTATION (SPEED 100% —> 1)
			201-205	STOP ROTATION
			206-255	PRISM INSERT AND REVERSE ROTATION (SPEED 1 —> 100%)
19	21	27	000-255	ZOOM
			12	Minimum angle
			128	Medium angle
			255	Maximum angle
	22	28	000-255	ZOOM FINE
20	23	29	000-255	FOCUS
			0	Minimum angle
			148	Medium angle

			255	Maximum angle
-	24	30	000-255	FOCUS FINE
21	25	31	000-255	DIMMER
	26	32	000-255	DIMMER FINE
22	27	33	**STROBE**	
			0-9	NO FUNCTION
			10-99	STROBE（FROM SLOW TO FAST）
			100-109	NO FUNCTION
			110-179	LIGHTNING STROBE
			180-189	NO FUNCTION
			190-255	RANDOM SROBE
23	28	34	**CONTROL CHANNEL**	
			0-10	NO FUNCTION
			11-15	PAN/TILT BLACK ACTIVATED
			16-20	PAN/TILT BLACK DEACTIVATED
			21-25	PAN INVERT
			26-30	TILT INVERT
			31-35	PAN/TILT INVERT OFF
			36-100	RESERVED
			101-105	STUDIO
			106-110	POWER
			111-115	LIVE
			116-120	RESERVED
			121-125	DIMMER SPEED Halogen
			126-130	DIMMER SPEED LED
			131-135	DIMMER CURVE LINEAR
			136-140	DIMMER CURVE SQUARE LAW
			141-145	DIMMER CURVE INV. SQUARE LAW
			146-150	DIMMER CURVE S-CURVE
			151-160	RESERVED
			161-165	1200Hz
			166-170	2400Hz
			171-175	4000Hz
			176-180	6000Hz
			181-185	25000Hz
			186-200	RESERVED
			201-205	ALL RESET
			206-210	XY RESET
			211-215	COLOR GOBO PRISM SYS
			216-220	FOCUS\ZOOM RESET
			221-255	RESERVED