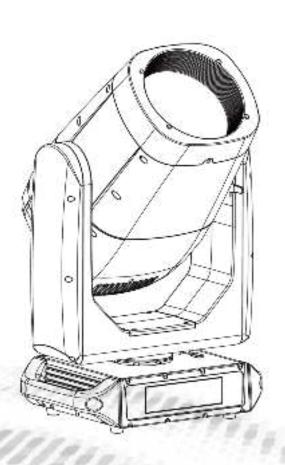


BXUSER MANUAL





MODEL: SS9451SCM



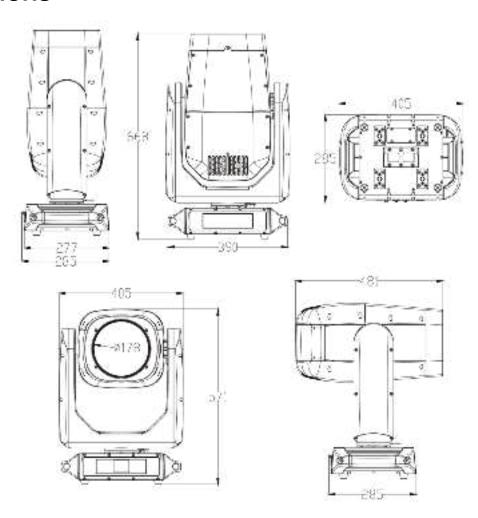


1 PRODUCT

1.1 TECHNICAL SPECIFICATIONS

Туре	SS9451SCM
LED colors	100W Laser source
Angle	0.7° - 5°
Power	200W
Control Protocol	DMX512/RDM/ARTNET/sACN/NFC/ Bluetooth/W-DMX(Optional)
Voltage Range	100-240V~
Frequency Range	50/60Hz
Input Current	110V/2A,220V/1A
Protection	IP65
Operation Temperature	-20℃~45℃
Dimensions	416x358x712mm
Weight	26.7kg

DIMENSIONS



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 maximum ambient temperature 45°C must never be exceeded. Do not operate the product if the ambient temperature (Ta) exceeds 45°C (115°F).
- 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 20m (65.6 feet) away from the product.
- Ensure that there is free and unobstructed airflow around the product. Provide a minimum clearance of 500 mm (20 in.) around fans and air vents.
- Do not illuminate surfaces within 20 m (65.6 feet) 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:

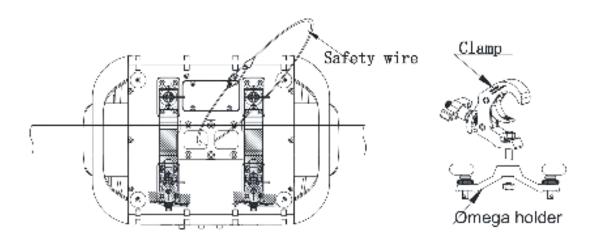
- Do not expose the front of a fixture to sunlight or any other strong light source. Avoid pointing other high-powered beam lights directly at the fixture.
- Do not focus a light beam from one lighting fixture directly towards another.
- For outdoor applications during daylight, make sure that the front 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

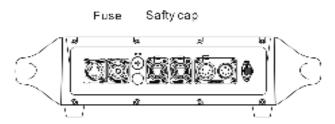
Truss installation

- ◆ 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

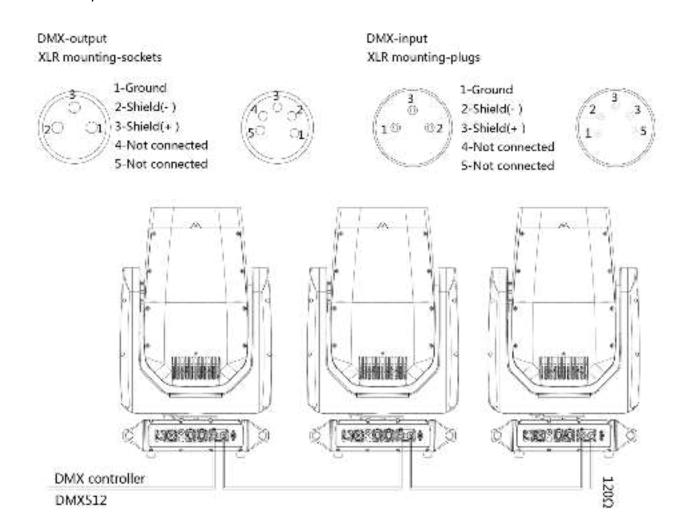
◆ This product has an auto-ranging power supply that can work with an input voltage range of 100–240 VAC, 50/60 Hz.

c	ua	lu	P	С	Α
١	uc	lu	Ы	C	Α

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.



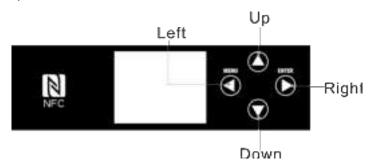
3 FUNCTIONS AND SETTINGS

3.1 DISPLAY OPERATION

- ◆ LEFT: Used to access the menu or to return a previous menu option;
- ◆ RIGHT: 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:

♦

- When the display locked, please unlock the display as below:
 - 1. Keep pressing BACK around 5sec, until the display shows inset password.
 - 2. Press "up down up down, enter" to unlock.



3.2 Menu Map

ADDRESS	001 - 512(Defau	lt 001)	DMX address setting	
PERSON	BASIC		Use the menu to select desired channel	
	STANDARD (De	fault)	mode	
	EXTEND			
RUNMODE	DMX512 (Defaul	t)	Select Signal	
	ARTNET		Default: DMX512	
	ARTNET TO DM	IX	ARTNET: Ethernet control	
	sACN		CUSTOM1-2 Set up get into EDIT	
	AUTO		MENU edit	
	CUSTOM1			
	CUSTOM2			
`		NORMAL (Default)	PAN moving direction selection	
OPTION	PAN INVERT	INVERT		
	TILT INVERT	NORMAL (Default)	TILT moving direction selection	
	IILI INVERI	INVERT		
		STUDIO	Fan mode low speed	
	PERFORM	POWER	Fast rotation of fan, all power	
		LIVE (Default)	Automatic rotation of fan	
	BLACKOUT	OFF (Default)	Select OFF blackout without delay	

	ON				Select ON Blackout delay 3s
DIMMER	Halogen (De	efault)		Dimming speed LED (fast) to Halogen	
SPEED	LED				(slow);
	LINEAR				Sets the Dimmer curve
DIMMER	SQUARE LA	AW.			
CURVE	INV. SQUAF	RE LAW			
	S-CURVE				
	1200Hz (De	fault)			Sets the PWM frequency
	2400Hz				
LED PWM	4000Hz				
	6000Hz				
	25000Hz				
DMX ERROR	SAVE (Defa	ult)			Hold after loss of DMX signal
DIVIX ETITIOT	BLACK				Blackout after loss of DMX signal
	On				Display backlight always on
DISPLAY TIME	30s				Turns off display backlight after
DISPLAY TIME	1min (Defau	ılt)			30s/1min
	2min				/2min of inactivity
	OFF				Locks display (passcode is <up>,</up>
DISPLAY LOCK	ON (Default)			<down>,<up>, <down>, <enter>)</enter></down></up></down>
	OFF				Not upload data
LOAD PARA	ON (Default)			Upload data
	RECOVERY	****			Restore default factory settings.
	CLEAN	***			Clean customer self-editing scene 1
	EDIT1				
OFTTINIO	CLEAN	***			Clean customer self-editing scene 2
SETTING	EDIT2	****			
		NO			Hide wireless mode WDMX reset and
	WDMX HIDI				signal hide and the default is wired
		YES			mode only
			.xxx.xxx		Net switch off IP mode
	NET SWITC		x.xxx.xx		Net switch on IP mode
	UNIVERS	0-255	j		Packet group Settings
NETWORK		DEFA	AUL IP		Default IP
	IP MODE	CUS	ГОМ ІР		Customer's IP
	CUSTOM IF	XX.X	X.XX.XX		Customer's IP setting
		WIFI	STATION		WiFi settings
		MODE	AP		, and the second
WIDEL 500	14/151		SSID	YJSS9451	
WIRELESS	WIFI	WIFI	PASSWORD	yj000001	
		INTO	LOCALID	xxx:xxx:xxx	
			LOCAL IP	:xxx	

					xxx:xxx:xxx	
				REMOTE_IP	:XXX	
					xx:xx:xx	
				MAC	:xx:xx	
			MUEL D	FOTABT	NO	
			WIFIR	ESTART	YES	
			WIELD	EFAULT	NO	
			VVIIID	LIAULI	YES	
			MA	С	xx:xx:xx	
		BLUETOOT	H NA	ME	:xx:xx YJSS9451	
		OFF	INA	IVIL	10000401	XY Encoder switch.
	PT ENCODER	ON				OFF is close; ON is open.
		011	Chi	nese		LANGUAGE
	LANGUAGE	***		GLISH		2,4,430,132
	WDW DECET	NO	l			Do not clear the receiver's message.
	WDMX RESET	YES				Clear the receiver's message
		ONLY XLRI	DMX		ONLY XLR is wire only	
		XLRDMX FI	IRST		XLR FIRST is wire first	
	SIGNAL	ONLY WDM	ЛX		ONLY WDMX is wireless only	
		WDMX FIR	ST		WDMX FIRS is wireless first	
		WDMX TO	XLRDM	<	WDMX TO DMX is wireless to wired	
EDIT			PA	N	0-255	Edit the custom programs1-30
			TIL	Т	0-255	Select play 【EDIT 1】 in RUNMOEDE
			PT	SPEED	0-255	CUSTOM 1; Select play 【EDIT 2】 ii
			СМ	Y_C	0-255	RUNMOEDE CUSTOM 2
			СМ	Y_M	0-255	
			CM	Y_Y	0-255	
			CO	LOR	0-255	
			RO	TA.GOBO	0-255	
	EDIT 1-2	STEP 1-30	GO	BO.ROTA	0-255	
	LDII 1-2	31LF 1-30		ED GOBO	0-255	
			PR	ISM 1	0-255	
			PR	ISM 2	0-255	
			FR	OST	0-255	
			FO	CUS	0-255	
			DIN	MER	0-255	
			STI	ROBE	0-25	
			TIM	1E	0-255	
			US	E	YES/NO	Select YES to run the steps user need
			•			
MANUAL	AUTO TEST					

	TILT	0-255	
	PT SPEED	0-255	
	CMY_C	0-255	
	CMY_M	0-255	
	CMY_Y	0-255	
	COLOR	0-255	
	ROTA.GOBO	0-255	
	GOBO.ROTA	0-255	
	FIXED GOBO	0-255	
	PRISM 1	0-255	
	PRISM 2	0-255	
	FROST	0-255	
	FOCUS	0-255	
	DIMMER	0-255	
	STROBE	0-25	
	YES		Factory testing mode. All stepper
DEBUG HIDE	NO		motors are not controlled by signal, It
	140		only works again after the reset.
	ALL RESET		Select Yes/No to carry out all reset
DESET	PT RESET		Select Yes/No to carry out P/T reset
RESET	COLOR SYSTE	EM	COLOR/CTO reset
	OTHER		Focus GOBO reset
FIXTURE HOUF	RS	Hours of fixture use	
LED USE HOUF	RS	LED use time	
TEMPERATURE	=	LED temperature	
VERSION		Software versions	
NETWORK		Check network parameter	
	UID	0x388Axxxxxxxx	Check fixture's ID
RDM	LABEL		Check fixture's LABEL
	MEMORY IC		Memory IC
	ANGLESENSO	PR	Angle Sensor
	PAN SENSOR		Pan Sensor
	PAN ENCODE	 R	Pan Encoder
			Pan Drive IC
	TILT SENSOR		Tilt Sensor
OVOTENA			
SYSTEM		 B	Tilt Encoder
SYSTEM ERROR	TILT ENCODE	R	Tilt Encoder Tilt Drive IC
	TILT ENCODE		Tilt Drive IC
	TILT ENCODE TILT DRIVEIC TEMPERATUR	E	Tilt Drive IC Temperature
	TILT ENCODE TILT DRIVEIC TEMPERATUR CMY_C RESET	Ε	Tilt Drive IC Temperature CMY_C Reset
	TILT ENCODE TILT DRIVEIC TEMPERATUR	Е Г	Tilt Drive IC Temperature
	FIXTURE HOUF LED USE HOUF TEMPERATURE VERSION	PT SPEED CMY_C CMY_M CMY_Y COLOR ROTA.GOBO GOBO.ROTA FIXED GOBO PRISM 1 PRISM 2 FROST FOCUS DIMMER STROBE YES DIMMER STROBE YES DIMMER STROBE YES OTHER PT RESET COLOR SYSTE COLOR SYSTE OTHER TEMPERATURE VERSION NETWORK RDM UID LABEL MEMORY IC ANGLESENSOR PAN SENSOR COLOR SYSTE COLOR SYSTE	PT SPEED

		GOBO RESET		GOBO Reset
		RGOBO RESET		RGOBO Reset
		FIXED GOBO		FIXED GOBO reset
		PRISM 1 RESET		PRISM 1 Reset
		PRISM 2 RESET		PRISM 2 Reset
		FOCUS RESET		FOCUS Reset
ROTA.		PAN	±127	Pan position fine adjustment
GOBO		TILT	±127	Tilt position fine adjustment
SERVICE		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	Color position fine adjustment
	***	ROTA.GOBO	±127	ROTA.GOBO position fine adjustment
		GOBO.ROTA	±127	GOBO.ROTA position fine adjustment
		FIXED GOBO	±127	Gobo position fine adjustment
		PRISM 1	±127	Prism1 position fine adjustment
		PRISM 2	±127	Prism2 position fine adjustment
		FOCUS	±127	Focus position fine adjustment
		OTHER	±127	
UPDATE SC	FTWARE	•	<u>,</u>	UPDATE SOFTWARE
All password	ls of this product a	are <up>, <down>,<up></up></down></up>	, <down>, <enter></enter></down>	,

4 USING A DMX512 CONTROLLER

4.1 DMX CONTROL

BASIC (19CH)	STANDARD (23CH)	Extend (27CH)	Value	Function
1	1	1	000-255	PAN 0-540°
-	2	2	000-255	PAN FINE
2	3	3	000-255	TILT 0-270°
-	4	4	000-255	TILT FINE
3	5	5	000-255	PT Speed
4	6	6	000-255	CYAN
5	7	7	000-255	MAGENTA
6	8	8	000-255	YELLOW
			COLOUR	MACRO
			000-010	No Function
			11-20	L106
			21-30	L194
			31-40	L019
			41-50	R08
			51-60	L213
			61-70	R80
			71-80	L202
	7 9		81-90	L328
7		9	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%
8	10	10	000-255	CMY SPEED(SPEED 100%->1)
			COLOR W	HEEL 19+1
			0-7	WHITE
			8-10	COLOR 1
			11-13	COLOR 2
9	11	11	14-16	COLOR 3
			17-19	COLOR 4
			20-22	COLOR 5
			23-25	COLOR 6
			26-28	COLOR 7
			29-31	COLOR 8

			100.04	001 00 0
			32-34	COLOR 9
			35-37	COLOR 10
			38-40	COLOR 11
			41-43	COLOR 12
			44-46	COLOR 13
			47-49	COLOR 14
			50-52	COLOR 15
			53-55	COLOR 16
			56-58	COLOR 17
			59-61 62-64	COLOR 18 COLOR 19
			65-191	COLOR WHELL1 0-360°
		192-222		
		223-224	COLOR WHELL1 RAINBOW EFFECT(SPEED 100%->1) STOP	
			225-224	COLOR WHELL1 RAINBOW EFFECT(SPEED 1->100%)
_		12	000-255	COLOR WHEEL FINE
-		12		G GOBO 6+1
			000-010	ROTATING WHITE
			011-019	ROTATING GOBO 1
			020-028	ROTATING GOBO 2
			029-037	ROTATING GOBO 3
			038-046	ROTATING GOBO 4
			047-055	ROTATING GOBO 5
			056-064	ROTATING GOBO 6
			065-073	ROTATING GOBO 1 SHAKE (SPEED 1 —> 100%)
40	40		074-082	ROTATING GOBO 2 SHAKE (SPEED 1 -> 100%)
10	12	13	083-091	ROTATING GOBO 3 SHAKE (SPEED 1> 100%)
			092-100	ROTATING GOBO 4 SHAKE (SPEED 1 -> 100%)
			101-109	ROTATING GOBO 5 SHAKE (SPEED 1> 100%)
			110-118	ROTATING GOBO 6 SHAKE (SPEED 1 —> 100%)
			119-127	WHITE
			128-190	ROTATING GOBO FLOWING WATER EFFECT (SPEED
			120-130	100 -> 1%)
			191-192	STOP WATER EFFECT
			193-255	ROTATING GOBO FLOWING WATER EFFECT (SPEED 1
				—> 100%)
-	-	14	000-255	ROTATING GOBO FINE
			GOBO RO	
			0-120	ROTATING GOBO ANGLE ADJUSTMENT (0 -> 360°)
			121-125	STOP
	11 13		126-165	ROTATING GOBO SHAKE (SPEED 1 —> 100%)
11		15	166-170	STOP
			171-210	ROTATING GOBO POSITIVE ROTATION (SPEED 100%
			011 015	—> 1)
			211-215	STOP
			216-255	ROTATING GOBO REVERSE ROTATION (SPEED 1 —>
				100%)

-	-	16	000-255	GOBO ROTATING FINE
		1		DBO WHEEL 19+1
			0-10	WHITE
			11-13	FIXED GOBO 1
			14-16	FIXED GOBO 2
			17-19	FIXED GOBO 3
			20-22	FIXED GOBO 4
			23-25	FIXED GOBO 5
			26-28	FIXED GOBO 6
			29-31	FIXED GOBO 7
			32-34	FIXED GOBO 8
			35-37	FIXED GOBO 9
			38-40	FIXED GOBO 10
			41-43	FIXED GOBO 11
			44-46	FIXED GOBO 12
			47-49	FIXED GOBO 13
			50-52	FIXED GOBO 14
			53-55	FIXED GOBO 15
			56-58 59-61	FIXED GOBO 16 FIXED GOBO 17
			62-64	FIXED GOBO 17
			65-67	FIXED GOBO 19
			68-70	FIXED GOBO 1 SHAKE (SPEED 1 —> 100%)
			71-73	FIXED GOBO 2 SHAKE (SPEED 1 —> 100%)
12	14	17	74-76	FIXED GOBO 3 SHAKE (SPEED 1 —> 100%)
			77-79	FIXED GOBO 4 SHAKE (SPEED 1> 100%)
			80-82	FIXED GOBO 5 SHAKE (SPEED 1> 100%)
			83-85	FIXED GOBO 6 SHAKE (SPEED 1> 100%)
			86-88	FIXED GOBO 7 SHAKE (SPEED 1 —> 100%)
			89-91	FIXED GOBO 8 SHAKE (SPEED 1 —> 100%)
			92-94	FIXED GOBO 9 SHAKE (SPEED 1 —> 100%)
			95-97	FIXED GOBO 10 SHAKE (SPEED 1> 100%)
			98-100	FIXED GOBO 11 SHAKE (SPEED 1 —> 100%)
			101-103	FIXED GOBO 12 SHAKE (SPEED 1 —> 100%)
			104-106	FIXED GOBO 13 SHAKE (SPEED 1 —> 100%)
			107-109	FIXED GOBO 14 SHAKE (SPEED 1 —> 100%)
			110-112	FIXED GOBO 15 SHAKE (SPEED 1 —> 100%)
			113-115	FIXED GOBO 16 SHAKE (SPEED 1 —> 100%)
			116-118 119-121	FIXED GOBO 17 SHAKE (SPEED 1 -> 100%)
			122-124	FIXED GOBO 18 SHAKE (SPEED 1 —> 100%) FIXED GOBO 19 SHAKE (SPEED 1 —> 100%)
			125-127	WHITE
				STATIC GOBO JUMPING WATER EFFECT (SPEED 100
			128-190	—> 1%)
			191-192	STOP WATER EFFECT
			193-255	STATIC GOBO FLOWING WATER EFFECT (SPEED 1
				—> 100%)

-	-	18	000-255	FIXED GOBO WHEEL FINE
		1	PRISM 1	
			0-10	WHITE
			11-145	PRISM INSERT AND ADJUST THE ANGLE (0 -> 360°)
			146-150	STOP
13	15	19		PRISM INSERT AND POSITIVE ROTATION (SPEED
			151-200	100%> 1)
			201-205	STOP ROTATION
			222.255	PRISM INSERT AND REVERSE ROTATION (SPEED 1
			206-255	—> 100%)
			PRISM 2	
			0-10	WHITE
			11-145	PRISM INSERT AND ADJUST THE ANGLE (0 -> 360°)
			146-150	STOP
14	16	20	151-200	PRISM INSERT AND POSITIVE ROTATION (SPEED
			131-200	100%> 1)
			201-205	STOP ROTATION
			206-255	PRISM INSERT AND REVERSE ROTATION (SPEED 1
				—> 100%)
			FROST	I
			0-10	WHITE
	15 17		11-145	FROST INSERT AND ADJUST THE ANGLE (0 —> 360°)
			146-150	STOP
15		21	151-200	FROST INSERT AND POSITIVE ROTATION (SPEED
			004 005	100% -> 1)
			201-205	STOP ROTATION
				FROST INSERT AND REVERSE ROTATION (SPEED 1 —> 100%)
16	18	22	000-255	FOCUS
-	19	23	000-255	FOCUS FINE
17	20	24	000-255	DIMMER
-	21	25	000-255	DIMMER FINE
			STROBE	
			0-9	NO FUNCTION
			10-99	STROBE (FROM SLOW TO FAST)
18	22	26	100-109	NO FUNCTION
			110-179	LIGHTNING STROBE
			180-189	NO FUNCTION
			190-255	RANDOM STROBE
			CONTROL	(EXECUTE AFTER 3 SECONDS)
			0-10	NO FUNCTION
			11-20	PAN/TILT BLACK ACTIVATED
19	23	27	21-30	PAN/TILT BLACK DEACTIVATED
פו	23	21	31-40	PAN INVERT
			41-50	TILT INVERT
			51-60	PAN/TILT INVERT OFF
			61-70	STUDIO

	71-80	POWER
	81-90	LIVE
	91-100	DIMMER SPEED Halogen
	101-110	DIMMER SPEED LED
	111-120	DIMMER CURVE LINEAR
	121-130	DIMMER CURVE SQUARE LAW
	131-140	DIMMER CURVE INV. SQUARE LAW
	141-150	DIMMER CURVE S-CURVE
	151-160	1200Hz
	161-170	2400Hz
	171-180	4000Hz
	181-190	6000Hz
	191-200	25000Hz
	201-210	ALL RESET
	211-220	XY RESET
	221-230	COLOR SYSTEM RESET
	231-240	GOBO SYSTEM RESET
	241-255	OTHER RESET