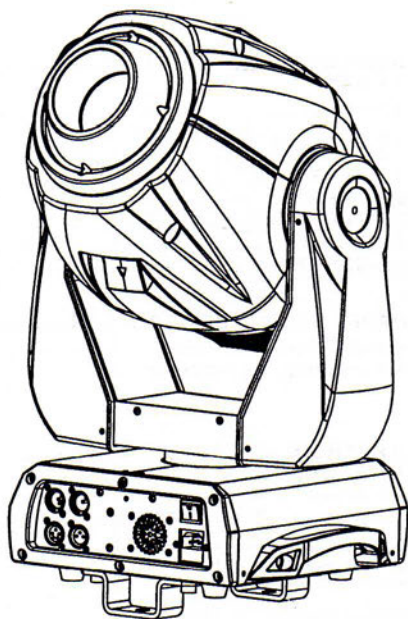


LED SPOT 575

SH-LED 575S

USER MANUAL



SHOWCO

1 PRODUCT SPECIFICATIONS

1.1 PRODUCT SPECIFICATIONS

Electrical

- ◆ Voltage: AC100~240V, 50/60Hz
- ◆ Rated Power: 250W

LED

- ◆ LED: 1PC(60W)
- ◆ Cooling: Forced air convection

Function

- ◆ Color mixing / Custom programs /
Strobe / White balance / RGB calibration / Dim 4 / Fan speed

Operation

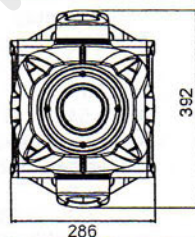
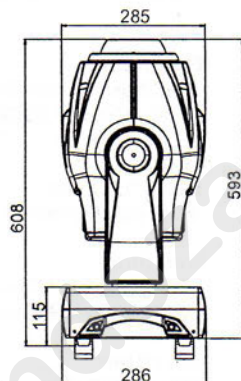
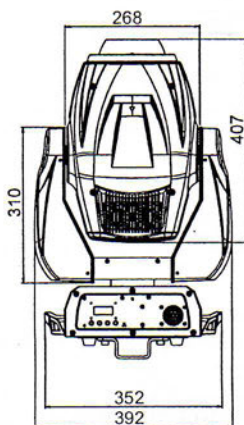
- ◆ Control mode: Master-Slave/Auto/Custom/ Sound
- ◆ LCD display
- ◆ DMX512 Chs: 13CHS/ 17CHS

Pan/Tilt

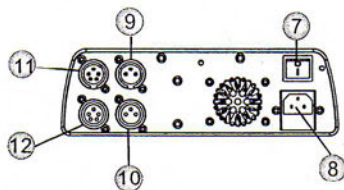
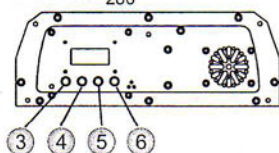
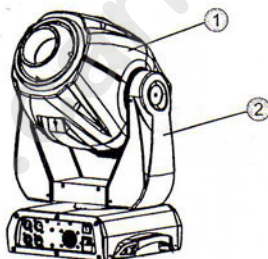
- ◆ Pan 540° Tilt 270°
- ◆ Pan/Tilt speed
- ◆ User-selectable Pan/Tilt ranges

- ◆ Size: 39.2x28.6x60.8mm
- ◆ Weight: 20.23kg

1.2 DIMENSIONS



1.3 PRODUCT FEATURES



No	ITEM	No	ITEM	No	ITEM
1	Head	5	Down	9	DMX 3-PIN signal input
2	Side arm	6	Up	10	DMX 3-PIN signal output
3	Menu	7	Switch	11	DMX 5-PIN signal input
4	Enter	8	Power input	12	DMX 5-PIN signal output

1.4 SAFETY WARNING

IMPORTANT:

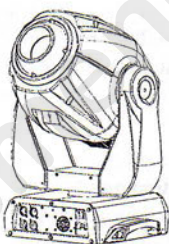
- This product must be installed by a qualified professional.
 - Always operate the equipment as described in the user manual.
 - A minimum distance of 0.5m must be maintained between the equipment and combustible surface.
 - The product must always be placed in a well ventilated area.
 - Always make sure that the equipment is installed securely.
 - DO NOT stand close to the equipment and stare directly into the LED light source.
 - Always disconnect the power supply before attempting and maintenance.
 - Always make sure that the supporting structure is solid and can support the combined weight of the products.
 - The earth wire must always be connected to the ground.
 - Do not touch the power cables if your hands are wet.
-
- This product left the place of manufacture in perfect condition. In order to maintain this condition and for safe operation, the user must always follow the instructions and safety warnings described in this user manual.
 - Avoid shaking or strong impacts to any part of the equipment.
 - Make sure that all parts of the equipment are kept clean and free of dust.
 - Always make sure that the power connections are connected correct and secure.
 - If there is any malfunction of the equipment, contact your distributor immediately.
 - It is important that the power cable is frequently inspected to ensure that there is no damage in any position. If the power cable is damaged in any way, it should be replaced by a qualified electrical technician.
 - When transferring the product, it is advisable to use the original packaging in which the product left the factory.
 - Shields, lenses or ultraviolet screens shall be changed if they have become damaged to such an extent that their effectiveness is impaired.
 - The lamp (LED) shall be changed if it has become damaged or thermally deformed.

2 INSTALLATION

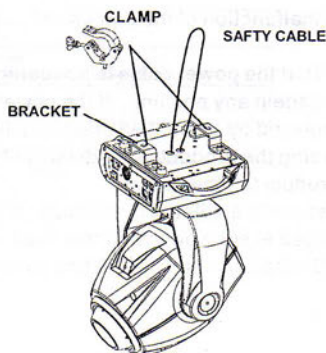
2.1 MOUNTING:

●The LED fixture can be operated in any position at any angle. When mounted on a flat surface, the surface must be strong enough to support 10 times the weight of the fixture and stable so that there will be no damage caused to the fixture or surrounding people or objects because of movements of the fixture on the surface.

●When the unit is mounted in a hanging position, the fixture is attached using the mounting brackets and a standard truss clamp or other clamping device. The mounting brackets supplied are mounted using quick-release locks allowing simple mounting or removal.



UPRIGHT



HANGING

IMPORTANT SAFETY NOTE!!

Always use a safety cable when installing this unit!!

Be sure that the safety cable is connected to a solid load-bearing structure.

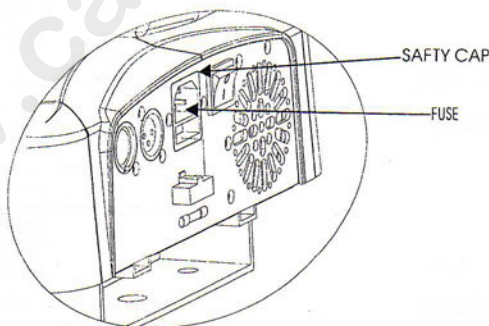
2.2 SETTING UP (STAND ALONE)

The LED fixture can be used as a stand alone unit. The stand alone functions AUTO 1, AUTO 2, SOUND 1, SOUND2 and CUSTOM can be activated without the need to connect to any controller or connecting to any other equipment.

Simply, access the <operation> menu from the DISPLAY and select the target program to activate.

2.3 FUSE REPLACEMENT

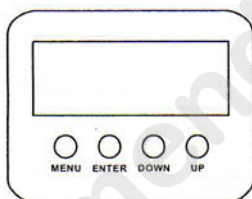
- Remove the safety cap by a screwdriver.
- Fetch the old fuse from safety cap.
- Install a new fuse.
- Install the safety cap.



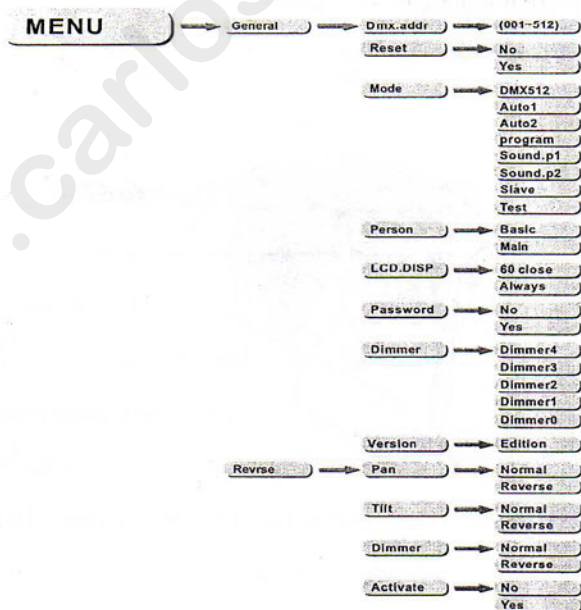
3 DISPLAY PANEL OPERATION

3.1 BASIC

- 【 MENU 】** Scroll through the main menu or exit from the current sub-menu
- 【 ENTER 】** Enter the currently selected menu or confirm the current function value
- 【 DOWN 】** Scroll 'DOWN' through the menu list or decrease the value of the current function
- 【 UP 】** Scroll 'UP' through the menu list or increase the value of the Current function



3.2 MENU



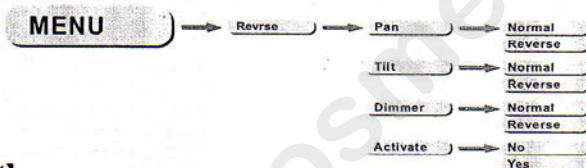
Range	P/start	(000-255)
	P/Finish	(000-255)
	T/start	(000-255)
	T/Finish	(000-255)
	Activate	No
		Yes
Special	Blackd	No
		Yes
	Reset	DMX
		Onboard
	Fanwait	OFF
		ON
Pr.set	DMXerror	Save
		Black
	Scene	(000-255)
	Pan	(000-255)
	Tilt	(000-255)
	XySpeed	(000-255)
	Color	(000-255)
	Gobo1	(000-255)
	Rot.gobo	(000-255)
	Gobo.rot	(000-255)
	Prism	(000-255)
	Pri.rot	(000-255)
	Iris	(000-255)
	Focus	(000-255)
	Dimmer	(000-255)
	Strobe	(000-255)
	Run.Time	(000-255)
	Activate	No
		Yes
Extra	Password	****
Default	Default	No
		Yes

3.3 General

MENU		→	General	→	Dmx.addr	→	(001-512)
			Reset			→	No
				→		Yes	
			Mode			→	DMX512
				→		Auto1	
				→		Auto2	
				→		program	
				→		Sound.p1	
				→		Sound.p2	
				→		Slave	
			Person			→	Test
				→		Basic	
			LCD.DISP			→	Main
				→		60 close	
			Password			→	Always
				→		No	
			Dimmer			→	Yes
				→		Dimmer4	
				→		Dimmer3	
				→		Dimmer2	
				→		Dimmer1	
				→		Dimmer0	
			Version	→		Edition	

- **[Dmx. addr]** Enter **[Dmx. addr]** to set the DMX Address, which is from (001-512)
 - **[Reset]** In order to rest custom modest to default, select **[Reset]**
 - **[Mode]** Enter **[Mode]** to select the operation mode: **[DMAX512]**; **[Auto1]**; **[Auto2]**; **[Program]**; **[Sound.p1]**; **[Sound.p2]**; **[Slave]**; **[Test]**
 - **[Person]** Enter **[Person]** to select the DMX channel modes: **[Basic]**; **[Advanced]**.
 - **[Lcd. disp]** Enter **[Lcd.disp]** to select the lighting time of the LCD display panel.
 - **[Password]** Enter the **[Password]** mode to select whether the access password is on or off.
When the fixture is set as PASS **[ON]**, after 30 seconds or turn on the fixture next time, the fixture will need an access password to enter the display menu control.
- Note:** The factory access password is **[UP]** + **[DOWN]** + **[UP]** + **[DOWN]**, then press **[ENTER]** to confirm the access.
- **[Dimmer]** Enter **[Dimmer]** to select dimmer mode and dimmer speed. When DIMMER is set to **[Off]**, then RGBW and MASTER DIMMER are linear. The Dim 1/2/3/4 are speed modes of the non linear dimmer, **[Dim1]** is the faster, while **[Dim4]** is the slowest. The factory default setting is **[Dim4]**.
 - **[Version]** Enter **[Version]** to see the version of the software.

3.4 Revrse



[Invert]

- Select **[Pan]** / **[Tilt]** / **[Dimmer]** to set **[Normal]** or **[Reverse]**
- Enter **[Activate]** and set **[Yes]** to run the new setting

3.5 RANGE



[P/start]

- Set pan start value **[000~255]**

[P/Finish]

- Set pan finish value **[000~255]**

[T/start]

- Set Tilt start value **[000~255]**

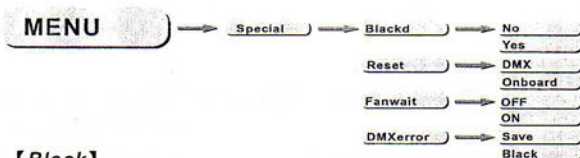
[T/Finish]

- Set Tilt finish value **[000~255]**

[Use]

- Enter **[Activate]** and select **[Yes]** to open the operation of X/Y angle

3.6 SPECIAL



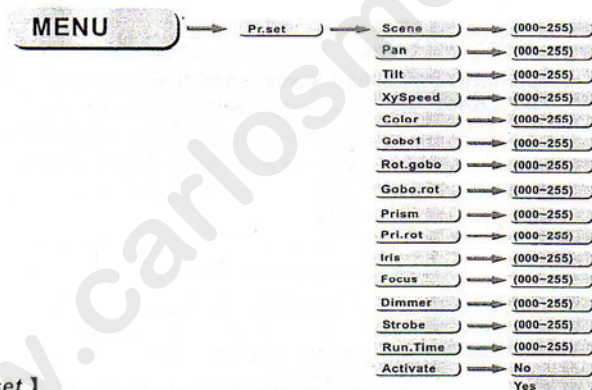
【Black】

- Enter **【Blackd】** to choose **【No】** without delay or **【Yes】** 3seconds delay

【Reset】

- Enter **【Reset】** to choose **【DMX】** DMX control reset or **【Onboard】** DMX cannot control reset
- **【Fanwait】** Choose **【ON】** to force the fan to stop during fixture blackout.
- **【Dmxerror】** Choose **【Save】** in order to save the last DMX data in case of DMX signal error .Choose **【Black】** in order to blackout in case of DMX signal error.

3.7 Pr.set



【 Pr.set 】

- Enter the **【 Pr.set 】** mode to edit the custom programs by adjusting the value of **【Scene】** , **【Pan】** , **【Tilt】** , **【XySpeed】** , **【Color】** , **【Gobo 1】** , **【Rot. gobo】** , **【Gobo.rot】** , **【Prism】** , **【Pri.rot】** , **【Iris】** , **【Focus】** , **【Dimmer】** , **【Strobe】** , **【Run.Time】** **【Activate】** .
- Enter **【 Activate 】** and select **【 Yes 】** to run the steps user need.

Note: if user want to circulate the created steps, please set the last step's **【Time】** as 0

For example, there are 3 steps, the setting should be like belowed:

Step 1 **【Time】** = 4 **【 Use 】** = Yes
 Step 2 **【Time】** = 5 **【 Use 】** = Yes
 Step 3 **【Time】** = 0 **【 Use 】** = Yes

3.8 Extra



3.9 DEFAULT



【Default】

- This functions will reset all setting to the original factory setting

4 USING A DMX512 CONTROLLER

4.1 BASIC ADDRESSING

- Connect all of the units in series using standard DMX512 signal cable .
- Set the DMX512 address in the **【DMX】** menu.
- It is possible to have the same DMX address or independent addresses for each fixture.

4.2 CHANNEL ASSIGNMENT

- Note: This product have two DMX512 channel configuration:
【ADVANCED】 and **【BASIC】** .

ADVANCED

CHANNEL	VALUE	FUNCTION
1	0↔255	PAN 0-540°
2	0↔255	PAN FINE Fine control of pan movement
3	0↔255	TILT 0-270°
4	0↔255	TILT FINE Fine control of tilt movement
5	0↔255	PAN/TILT SPEED From fast to slow
6	0↔9	COLOR WHEEL NO
	10↔19	Red
	20↔29	Green
	30↔39	Yellow
	40↔49	Blue
	50↔59	Orange
	60↔69	Magenta
	70↔79	Light Blue
	80↔99	Light Blue → Magenta
	100↔119	Magenta → Orange
	120↔139	Orange → Blue
	140↔159	Blue → Yellow
	160↔179	Yellow → Green
	180↔199	Green → Red
	200↔219	Red → White
	220↔255	Rainbow or linear effect

CHANNEL	VALUE	FUNCTION
7	0 ⇄ 10	GOBO WHEEL1
	11 ⇄ 20	NO GOBO
	21 ⇄ 30	GOBO 1
	31 ⇄ 40	GOBO 2
	41 ⇄ 50	GOBO 3
	51 ⇄ 60	GOBO 4
	61 ⇄ 70	GOBO 5
	71 ⇄ 80	GOBO 6
	81 ⇄ 95	GOBO 7
	96 ⇄ 110	Shaking gobo 7
	111 ⇄ 125	Shaking gobo 6
	126 ⇄ 140	Shaking gobo 5
	141 ⇄ 155	Shaking gobo 4
	156 ⇄ 170	Shaking gobo 3
	171 ⇄ 185	Shaking gobo 2
	186 ⇄ 255	Shaking gobo 1
		Flow effect
8	0 ⇄ 10	GOBO WHEEL2
	11 ⇄ 20	NO GOBO
	21 ⇄ 30	GOBO 1
	31 ⇄ 40	GOBO 2
	41 ⇄ 50	GOBO 3
	51 ⇄ 60	GOBO 4
	61 ⇄ 70	GOBO 5
	71 ⇄ 85	GOBO 6
	86 ⇄ 100	Shaking gobo 6
	101 ⇄ 115	Shaking gobo 5
	116 ⇄ 130	Shaking gobo 4
	131 ⇄ 145	Shaking gobo 3
	146 ⇄ 160	Shaking gobo 2
	161 ⇄ 255	Shaking gobo 1
		Flow effect
		Flow effect
9	0 ⇄ 60	GOBO WHEEL 2 ROTATION
	61 ⇄ 150	360° indexing
	151 ⇄ 165	Clockwise rotate from slow to fast
	166 ⇄ 255	No function
		Anti-clockwise rotate from slow to fast
10	0 ⇄ 9	PRISM
	10 ⇄ 39	NO
	40 ⇄ 49	Prism
	50 ⇄ 59	Effect1 (pattern or prism)
	60 ⇄ 69	Effect2 (pattern or prism)
	70 ⇄ 79	Effect3 (pattern or prism)
	80 ⇄ 89	Effect4 (pattern or prism)
	90 ⇄ 99	Effect5 (pattern or prism)
	100 ⇄ 109	Effect6 (pattern or prism)
	110 ⇄ 119	Effect7 (pattern or prism)
	120 ⇄ 129	Effect8 (pattern or prism)
	130 ⇄ 139	Effect9 (pattern or prism)
	140 ⇄ 149	Effect10
	150 ⇄ 159	Effect11
	160 ⇄ 169	Effect12
	170 ⇄ 179	Effect13
	180 ⇄ 189	Effect14
	190 ⇄ 199	Effect15
	200 ⇄ 209	Effect16
	210 ⇄ 219	Effect17
	220 ⇄ 229	Effect18
	230 ⇄ 239	Effect19
	240 ⇄ 255	Effect20
11	0 ⇄ 9	PRISM ROTATION
	10 ⇄ 119	NO
	120 ⇄ 129	Clockwise rotate from slow to fast
	130 ⇄ 255	NO
		Anti-clockwise rotate from slow to fast
12	0 ⇄ 199	IRIS
	200 ⇄ 209	Linear Iris
	210 ⇄ 219	Iris effect: fast close & slow open (slow to fast)
	220 ⇄ 229	Iris effect: slow close & slow open (slow to fast)
	230 ⇄ 239	Iris effect: slow close & fast open (slow to fast)
	240 ⇄ 255	Iris effect: fast close & fast open (slow to fast)
		Iris effect: Random (slow to fast)
13	0 ⇄ 255	FOCUS
		Far 
14	0 ⇄ 255	FOCUS FINE
		Far 
		DIMMER

CHANNEL	VALUE	FUNCTION
16		STROBE
	0 ↔ 31	Close
	32 ↔ 63	Open
	64 ↔ 95	Strobe: Slow > Fast
	96 ↔ 127	Open
	128 ↔ 159	Rulse strobe effect: Slow > Fast
	160 ↔ 191	Open
	192 ↔ 223	Random strobe effect: Slow > Fast
	224 ↔ 255	Open
17		CONTROL
	0 ↔ 19	Dim settings according to display preset(activated after 3 secs)
	20 ↔ 39	Pan/tilt black activated (activated after 3 secs)
	40 ↔ 59	Pan/tilt black deactivated (activated after 3 secs)
	60 ↔ 139	No function
	140 ↔ 149	Auto1(activated after 3 secs)
	150 ↔ 159	Auto2(activated after 3 secs)
	160 ↔ 169	Test(activated after 3 secs)
	170 ↔ 179	Custom(activated after 3 secs)
	180 ↔ 189	Sound 1(activated after 3 secs)
	190 ↔ 199	Sound 2(activated after 3 secs)
	200 ↔ 219	Reset(activated after 3 secs)
	220 ↔ 235	No function
	236 ↔ 239	DIM0(activated after 3 secs)
	240 ↔ 243	DIM1(activated after 3 secs)
	244 ↔ 247	DIM2(activated after 3 secs)
	248 ↔ 251	DIM3(activated after 3 secs)
	252 ↔ 255	DIM4(activated after 3 secs)

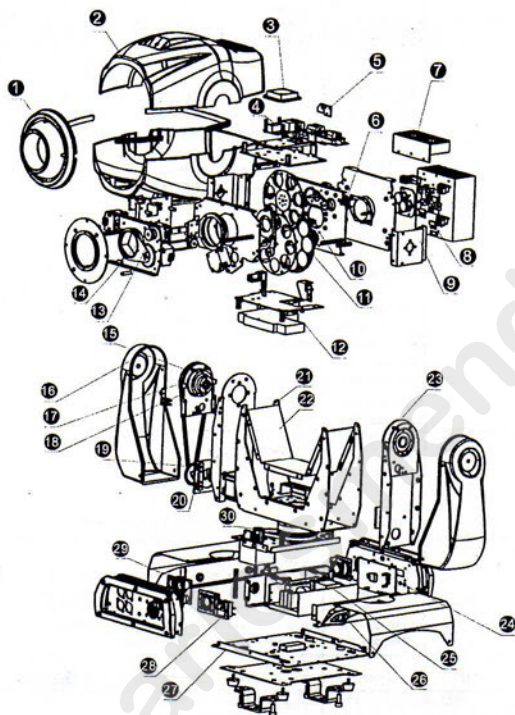
BASIC

CHANNEL	VALUE	FUNCTION
1	0 ↔ 255	PAN 0-540°
2	0 ↔ 255	TILT 0-270°
3		COLOR WHEEL
	0 ↔ 9	NO
	10 ↔ 19	Red
	20 ↔ 29	Green
	30 ↔ 39	Yellow
	40 ↔ 49	Blue
	50 ↔ 59	Orange
	60 ↔ 69	Magenta
	70 ↔ 79	Light Blue
	80 ↔ 99	Light Blue → Magenta
	100 ↔ 119	Magenta → Orange
	120 ↔ 139	Orange → Blue
	140 ↔ 159	Blue → Yellow
	160 ↔ 179	Yellow → Green
4	180 ↔ 199	Green → Red
	200 ↔ 219	Red → White
	220 ↔ 255	Rainbow or linear effect
		FIXED GOBO WHEEL1
	0 ↔ 10	NO GOBO
	11 ↔ 20	GOBO 1
	21 ↔ 30	GOBO 2
	31 ↔ 40	GOBO 3
	41 ↔ 50	GOBO 4
	51 ↔ 60	GOBO 5
	61 ↔ 70	GOBO 6
	71 ↔ 80	GOBO 7
	81 ↔ 95	Shaking gobo 7
	96 ↔ 110	Shaking gobo 6
	111 ↔ 125	Shaking gobo 5
	126 ↔ 140	Shaking gobo 4
5	141 ↔ 155	Shaking gobo 3
	156 ↔ 170	Shaking gobo 2
	171 ↔ 185	Shaking gobo 1
	186 ↔ 255	Flow effect
		GOBO WHEEL2
	0 ↔ 10	NO GOBO
	11 ↔ 20	GOBO 1
	21 ↔ 30	GOBO 2
	31 ↔ 40	GOBO 3
	41 ↔ 50	GOBO 4
	51 ↔ 60	GOBO 5
	61 ↔ 70	GOBO 6
	71 ↔ 85	Shaking gobo 6
	86 ↔ 100	Shaking gobo 5
	101 ↔ 115	Shaking gobo 4
	116 ↔ 130	Shaking gobo 3
	131 ↔ 145	Shaking gobo 2
	146 ↔ 160	Shaking gobo 1
	161 ↔ 255	Flow effect

CHANNEL	VALUE	FUNCTION
6	0 ⇄ 60	GOBO WHEEL 2 ROTATION
	61 ⇄ 150	360 indexing
	151 ⇄ 165	Clockwise rotate from slow to fast
	166 ⇄ 255	No function
		Anti-clockwise rotate from slow to fast
7	0 ⇄ 9	PRISM
	10 ⇄ 39	NO
	40 ⇄ 49	Prism
	50 ⇄ 59	Effect1 (pattern or prism)
	60 ⇄ 69	Effect2 (pattern or prism)
	70 ⇄ 79	Effect3 (pattern or prism)
	80 ⇄ 89	Effect4 (pattern or prism)
	90 ⇄ 99	Effect5 (pattern or prism)
	100 ⇄ 109	Effect6 (pattern or prism)
	110 ⇄ 119	Effect7 (pattern or prism)
	120 ⇄ 129	Effect8 (pattern or prism)
	130 ⇄ 139	Effect9 (pattern or prism)
	140 ⇄ 149	Effect10
	150 ⇄ 159	Effect11
	160 ⇄ 169	Effect12
	170 ⇄ 179	Effect13
	180 ⇄ 189	Effect14
	190 ⇄ 199	Effect15
	200 ⇄ 209	Effect16
	210 ⇄ 219	Effect17
	220 ⇄ 229	Effect18
	230 ⇄ 239	Effect19
	240 ⇄ 255	Effect20
8	0 ⇄ 9	PRISM ROTATION
	10 ⇄ 119	NO
	120 ⇄ 129	Clockwise rotate from slow to fast
	130 ⇄ 255	NO
		Anti-clockwise rotate from slow to fast
9	0 ⇄ 199	IRIS
	200 ⇄ 209	Linear Iris
	210 ⇄ 219	Iris effect: fast close & slow open (slow to fast)
	220 ⇄ 229	Iris effect: slow close & slow open (slow to fast)
	230 ⇄ 239	Iris effect: slow close & fast open (slow to fast)
	240 ⇄ 255	Iris effect: fast close & fast open (slow to fast)
		Iris effect: Random (slow to fast)
10	0 ⇄ 255	FOCUS Far  Near
11	0 ⇄ 255	DIMMER Dark  Bright
12	0 ⇄ 31	STROBE
	32 ⇄ 63	Close
	64 ⇄ 95	Open
	96 ⇄ 127	Strobe: Slow > Fast
	128 ⇄ 159	Open
	160 ⇄ 191	Rulse strobe effect: Slow > Fast
	192 ⇄ 223	Open
	224 ⇄ 255	Random strobe effect: Slow > Fast
		Open
		Open
13	0 ⇄ 19	CONTROL
	20 ⇄ 39	Dim settings according to display preset(activated after 3 secs)
	40 ⇄ 59	Pan/tilt black activated (activated after 3 secs)
	60 ⇄ 139	Pan/tilt black deactivated (activated after 3 secs)
	140 ⇄ 149	No function
	150 ⇄ 159	Auto1(activated after 3 secs)
	160 ⇄ 169	Auto2(activated after 3 secs)
	170 ⇄ 179	Test(activated after 3 secs)
	180 ⇄ 189	Custom(activated after 3 secs)
	190 ⇄ 199	Sound 1(activated after 3 secs)
	200 ⇄ 219	Sound 2(activated after 3 secs)
	220 ⇄ 235	Reset(activated after 3 secs)
	236 ⇄ 239	No function
	240 ⇄ 243	DIM0(activated after 3 secs)
	244 ⇄ 247	DIM1(activated after 3 secs)
	248 ⇄ 251	DIM2(activated after 3 secs)
	252 ⇄ 255	DIM3(activated after 3 secs)
		DIM4(activated after 3 secs)

5 APPENDIX

5.1 MAINTENANCE



No	ITEM
1	Head front cover
2	Head cover
3	Fan
4	LED PCB
5	Magnetic stopper sensor
6	Motor
7	Fan
8	Heat protector
9	Heat support
10	Rotation gobo wheel

No	ITEM
11	Color wheel
12	Driver PCB
13	Drive wheel
14	Prism frame
15	Y axes drive
16	Plastic arm
17	Y axes drive team
18	Fan belt
19	Optical wheel
20	Bar board

No	ITEM
21	Arm base cover
22	Arm cover
23	Side arm
24	Display PCB
25	Power supply
26	Handle
27	Base
28	IEC power socket
29	Connection board
30	X axes drive team