



USER MANUAL



MAINTENANCE

MAINTENANCE AND CLEANING THE UNIT

- Make sure the area below the installation place is free from unwanted person during setup.
- Switch o" the unit, unplug the main cable and w ait till the unit has cooled down.
- All screws used for installing the device and any of its parts should be tightly fastened and should not be corrected
- Housings, fixations and installation spots (celling, trusses, suspensions) should be totally free from any deformation
- The main cables must be in impeccable condition and should be replaced immediately even when a small problem is detected.
- It is recommended to clean the front at regular intervals, from impurities caused by dust, smoke, or other particles to ensure that the ligh is radiated at maximum brightness. For cleaning, disconnect the main plug from the socket. Use a soft, clean cloth moistened with a mild detergent. Then carefully wipe the parts dry. For cleaning other housing parts use only a soft, clean cloth. Never use a liquid, it might pernetrate the unit and cause damage to it.

FUSE REPLACEMENT

- 1.Disconnect this product from the power outlet.
- 2.Using a screwdriver, unscrew the fuse holder cap from the housing.
- 3.Remove the blown fuse and replace with a good fuse of the same type and rat -ing.
- 4. Screw the fuse holder cap back in place and reconnect power.



TROUBLESHOOTING

Problems	Possible causes	Checks and remedies	
Fixture does not light up	No mains supply Dimmer fader set to 0 Faulty LED Faulty LED board	 Check the power supply voltage Increase the value of the dimmer channels Replace the LED board Replace the LED board 	
General low light intensity	Dirty lens assembly Misaligned lens assembly	Clean the fixture regularly Install lens assembly properly	
Fixture does not power up	No power Loose or damaged power cord Faulty internal power supply	Check for power on power outletCheck power cordReplace internal power supply	

Contact an authorized service center in case of technical problems or not reported in the above table cannot be resolved by the procedure given in the table.

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SAFETY



WARNING!Before carrying out any operations with the unit, carefully read this instruction manual and keep it with care for future reference, It contains important information about the installation, user and maintenance of the unit.



General instruction

- -The products referred to in this manual conform to the European Community Directives and are therefore marked withh CE.
- -The unit is supplied with hazardous network voltage (230V~) .Leave serving to skilled personnel only. Never make any modifications on the unit not described in this instruction manual, otherwise you will risk an electric shock.
- -Connection must be made to power supply system fitted with eÿcien t earthing (Class I appliance according to standard EN60598-1). It is moreover, recommended to protect the supply lines of the units from indirect contact and/or shorting to earth by using appropriately sized residual current devices.
- -The connection to the main network of electric distribution must be carried out by a qualified electrical installer. Check that the main frequency and voltage correspond to those for which the unit is designed as given on the electrical data lable.
- -This unit is not for home use, only professional applications.
- -Never use the fixture under the following conditions:
- in places subject to vibrations or bumps;
- in places with a temperature of over 40 °C.
- -Make certain that no inflammable liquids, water ot metal objects enter the fixture,
- -Do not dismantle or modify the fixture.
- -All work must always be carried out by qualified technical personnel. Contact the nearest sales point for an inspection or contact the manufacturer directly.
- -If the unit is to be put out of operation definitively, take it to a local recyling plant for a dosposal which is not harmful to the environment.



Warnings and installation precautions

- -If this device will be operated in any way di^{*} erent to the one described in this manual, it may su^{*} er damage and the guarantee becomes void. Furthermore, any operation may lead to dangers like short circuit. burns, electric shock, etc.
- -Before starting any maintenance work or cleaning the fixture, cut o po wer from the main supply.
- -Always additionally secure the fixture with the safety rope. When carrying out any work, always comply scrupulously with all the regulations (particularly regarding safety) currently in force in the country in which the fixture's being used.
- -Install the fixture in a well ventilated place.
- -Keep any inflammable materials at a safe distance from the fixture.
- -Shields, lenses or ultraviolet screens shall be changed if they have become damaged to such an extent that their e ectiveness is impaired.
- -The lamp (LED) shall be changed if it has become damaged or thermally deformed.
- -Never look directly at the light beam.Please note that fast changes in lighting,e.g. flashing light,may trigger epileptic seizures in photosensitive persons or persons with epilepsy.
- -Do not touch the product's housing when operating because it may be very hot.

DMX CHART

	I	000 127		
l			Swivelling from -25 degrees towards 0	
33	Framing Shutter 3 swivelling			
			Swivelling from 0 degrees to +25 degrees	
34	Framing Shutter 4 movent		Movement from outward to inward	
		000-127	Swivelling from -25 degrees towards 0	
35	Framing Shutter 4 swivelling	128	0 degrees	
		129-255	Swivelling from 0 degrees to +25 degrees	
		000-020	TBD	
		021-025	Dimmer speed Off	
		026-030	Dimmer speed mode1	
		031-035	Dimmer speed mode2	
		036-040	Dimmer speed mode3	
		041-050	TBD	
		051-055	Linear	
		056-060	Square	
			Inverse Square	
36	Control	066-070	S-Curve	(Hold 5S)
		071-125	TBD	
		126-130	Theatre	
		131-135	Standard	
		136-140	Silent	
		141-200	TBD	
		201-205	Complete Reset	
		206-210	Pan/Tilt Reset	
		211-215	Head Reset	
		216-255	ТВО	



DMX CHART

DIIIA	OTIVILLE			
		000-191	Positioning from 0-360 degrees(Indexing)	
	DC - h -		Fastest to Slowest(Forward Spin)	
16	RGobo	222-225	Stop	
			Slowest to fastest(Reverse Spin)	
		000-005	Open	
			Position 1	
			Position 2	
		018-022	Position 3	
			Position 4	
			Position 5	
			Position 6	
			Position 7	
17	gobo wheel		Position 1 (Position 1 Shake, from slow to fast)	
	3		Position 2 (Position 2 Shake, from slow to fast)	
			Position 3 (Position 3 Shake, from slow to fast)	
			Position 4 (Position 1 Shake, from slow to fast)	
			Position 5 (Position 5 Shake, from slow to fast)	
			Position 6 (Position 6 Shake, from slow to fast)	
			Position 7 (Position 7 Shake, from slow to fast)	
			Stop to fastest (Forward Wheel Spin)	
			Stop to fastest (Reverse Wheel Spin)	
			Prism Excluded	
18	Prism		Prism Inserted	
	RPrism		Insertion and Positioning from 0-360(Index)	
19			Slowest to fastest (Forward Spin)	
'3			fastest to Slowest (Reverse Spin)	
20	Frost	000-0255		
21	Focus	000-255		
22	Focus Fine		Focus Fine	
23	Zoom	000-255		
24	Zoom Fine		Zoom Fine	
	20011111110		Open/No Function	
			Forward stop to fastest	
25	Effect	128-131	·	
			Reverse stop to fastest	
			From large to small	
			Open and close by arrive slow to fast (Effects)	
26	Iris		Open from slow to fast (Effects)	
			Close from slow to fast (Effects)	
			Rotation from left to center	
27	Framing Shutters Rotation	128	Center	
"	Training Shutters Notation		Rotation from center to right	
28	Framing Shutter 1 movent		Movement from outward to inward	
20	Training Shutter i movent		Swivelling from -25 degrees towards 0 degrees	
29	Framing Shutter 1 swivelling	128	0 degrees	
29	Training Shacer i swivelling		Swivelling from 0 degrees to +25 degrees	
30	Framing Shutter 2 movent		Movement from outward to inward	
30	Framing Shutter 2 movent			
24	Framing Shutton 2 guivalling		Swivelling from -25 degrees towards 0 degrees	
31	Framing Shutter 2 swivelling	128	0 degrees	
22	Framing Chutter 2 manuart		Swivelling from 0 degrees to +25 degrees	
32	Framing Shutter 3 movent	000-255	Movement from outward to inward	

INTRODUCTION

FEATURES

- · 1500W hight CRI CW+RGB LED engine(Patent Technology)
- · Up to 30000 lumen output
- Linear CCT from 2700K to 6000K
- · Electronic HUE adjustment to meet different needs
- · 100%-0 dimming constant CCI value
- · Electronic CTB fine adjustment
- Dual 1° and 5° frost with linear adjustment
- ·Ra:98, R9:98
- ·TM-30-15rg/rf 101, TLCI:99

SPECIFICATIONS

Light Source: 1500W CW+RGB LED engine(patented)

Output: 30000Lm

Color Temperature: linear 2700K-6000K variable

CRI: 98, R9>98 Lifespan: 20000hrs Beam Angle: 4.8°~48° PAN:540°(16bit) TILT:270°(16bit)

Color: CW+CMY+Hue+CTO/CTB+color wheel (6+open)

Gobo: 1 rotating gobo wheel (6 + open), 1 fixed gobo wheel (7 + open)

Animation: Rotating animation wheel with variable speed

Framing Shutters: ±35° each blade individually controllable, rotatable ±60°

Frost: Linear 0-100% frost

Strobe: 1~30Hz

Dimming: 0~100%, 4 dimming curves

Prism: Indexable 4-facet prism with variable speed

Protocol: DMX512 / RDM DMX Channel 34CH/36CH Mains 100 - 240 VAC, 50/60 Hz

Power Connection: IP PowerCON True One In Data Connection: DMX In/Out, linking up to 32pcs

Consumption: 1760W @230V

Ambient: -10 °C ~45 °C

Dimension: 469 x 336 x 868 mm

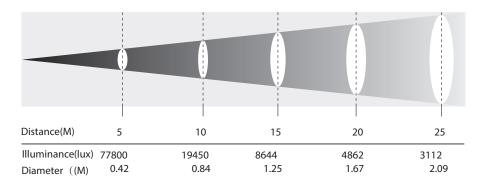
Weight: 47kg

Cooling: Heat pipe + noiseless fan

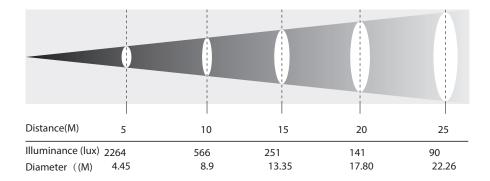


PHOTOMETRICS

Beam Angle: 4.8°



Beam Angle: 48°



04

DMX CHART

	36CH Mode					
	Function	Value	0	Description for us		
1	Pan		Pan Coarse			
2	Pan Fine		Pan Fine			
3	Tilt		Tilt Coarse			
4	Tilt Fine	000-255				
			No function (shutter close)			
			Shutter effect slow to fast			
			No function (shutter open)			
5	Strobe		Pulse-effect in sequences			
			No function (shutter open)			
			Random Shutter effect slow to fast			
			No function (shutter open)			
6	Dimmer		Dimmer 0%-100%			
7	Dimmer Fine	000-255	Dimmer Fine			
8	HUE		-25 to 0 Green 0 to +25 Red			
9	СТВ	000-255	← CTC →			
10	Cyan	000-255				
11	Magenta	000-255				
12	Yellow	000-255				
13	Cto	000-255				
		000-009	White			
		010-018	White +Color1			
		019-027	Color1			
		028-036	Color1 + Color2			
		037-045	Color2			
		046-054	Color2 + Color3			
		055-063	Color3			
		064-072	Color3 + Color4			
14	Color	073-081	Color4			
		082-090	Color4 + Color5			
		091-099	Color5			
		100-108	Color5 + Color6(CRI>90)			
		109-117	Color6(CRI>90)			
			Color6(CRI>90) + White			
		128-190	Fast to Slow(Forward Spin)			
		191-192	Stop (Stop Rotation)			
		193-255	Slow to Fast(Revers Spin)			
		000-005				
		006-011	Position 1			
		012-017	Position 2			
		018-022	Position 3			
		023-028	Position 4			
		029-034	Position 5			
		035-040	Position 6			
15	Rotating gobo wheel	041-058	Position 1 (Position 1 Shake, from slow to fast)			
		059-075	Position 2 (Position 2 Shake, from slow to fast)			
		076-093	Position 3 (Position 3 Shake, from slow to fast)			
		094-110	Position 4 (Position 1 Shake, from slow to fast)			
		111-127	Position 5 (Position 5 Shake, from slow to fast)			
		128-145	Position 6 (Position 6 Shake, from slow to fast)			
		146-200	Stop to fastest (Forward Wheel Spin)			
	1	201-255	Stop to fastest (Reverse Wheel Spin)			

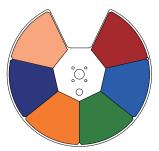


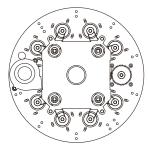
DMX CHART

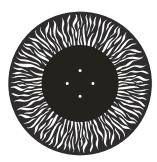
		000-127	Swivelling from -25 degrees towards 0 degrees	
27	Framing Shutter 1 swivelling	128	0 degrees	
			Swivelling from 0 degrees to +25 degrees	
28	Framing Shutter 2 movent		Movement from outward to inward	
		000-127	Swivelling from -25 degrees towards 0 degrees	
29	Framing Shutter 2 swivelling	128	0 degrees	
	29 Framing Shutter 2 swivelling 30 Framing Shutter 3 movent		Swivelling from 0 degrees to +25 degrees	
30	Framing Shutter 3 movent	000-255	Movement from outward to inward	
		000-127	Swivelling from -25 degrees towards 0 degrees	
31	Framing Shutter 3 swivelling		0 degrees	
			Swivelling from 0 degrees to +25 degrees	
32	Framing Shutter 4 movent	000-255	Movement from outward to inward	
		000-127	Swivelling from -25 degrees towards 0 degrees	
33	Framing Shutter 4 swivelling		0 degrees	
			Swivelling from 0 degrees to +25 degrees	
		000-020		
			Dimmer speed Off	
			Dimmer speed mode1	
			Dimmer speed mode2	
			Dimmer speed mode3	
		041-050		
		051-055		
		056-060		
			Inverse Square	
34	Control	066-070		(Hold 5S)
•	control	071-125		(Hold 55)
			Fan Auto90	
			Fan Auto150	
			Fan Silent	
			Fan High	
		146-200		i
			Complete Reset	
			Pan/Tilt Reset	
			Head Reset	
		216-255	TBD	

16

Product Effect







Color Wheel

Framing shutter

Animation



+Electronic Hue

+Electronic CTB

+Electronic CTO

Rotation Gobo













Fixed Gobo







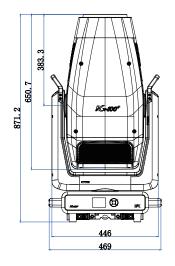


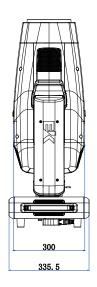


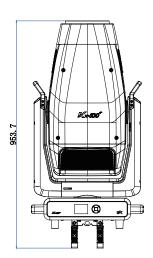


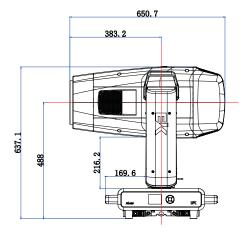


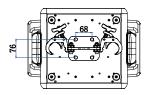
DIMENSION













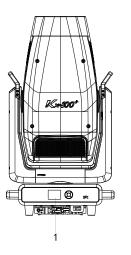
DMX CHART

		146-200	Stop to fastest (Forward Wheel Spin)	
13	Rotating gobo w heel	201-255	Stop to fastest (Reverse Wheel Spin)	
		000-191	Positioning from 0-360 degrees (Indexing)	
		192-221	Fastest to Slow est(Forw ard Spin)	
14	RGobo	222-225	Stop	
		226-255	Slow est to fastest(Reverse Spin)	
		000-005	Open	
		006-011	Position 1	
		012-017	Position 2	
		018-022	Position 3	
		023-028	Position 4	
		029-034	Position 5	
		035-040	Position 6	
		041-045	Position 7	
15	gobo w heel	046-063	Position 1 (Position 1 Shake,from slow to fast)	
	[064-081	Position 2 (Position 2 Shake,from slow to fast)	
		082-099	Position 3 (Position 3 Shake, from slow to fast)	
		100-117	Position 4 (Position 1 Shake, from slow to fast)	
		118-135	Position 5 (Position 5 Shake, from slow to fast)	
		136-153	Position 6 (Position 6 Shake, from slow to fast)	
		154-165	Position 7 (Position 7 Shake, from slow to fast)	
		166-210	Stop to fastest (Forward Wheel Spin)	
		211-255	Stop to fastest (Reverse Wheel Spin)	
16	Prism	000-127	Prism Excluded	
	FIISIII	128-255	Prism Inserted	
		000-191	Insertion and Positioning from 0-360(Index)	
17	RPrism	192-223	Slow est to fastest (Forw ard Spin)	
		224-255	fastest to Slow est (Reverse Spin)	
		000-063	Frost Off	
18	Frost	064-127	Frost 1 On	
'		128-191	Frost 2 On	
L		192-255	Frost 1 and Frost 2 On	
19	Focus	000-255	Focus	
20	Focus Fine	000-255	Focus Fine	
21	Zoom	000-255	Zoom	
22	Zoom Fine	000-255	Zoom Fine	
		000-003	Open/No Function	
23	Effect	004-127	Forw ard stop to fastest	
		128-131 132-255	Stop	
		000-063	Reverse stop to fastest	
		064-127	From large to small Open and close by arrive slow to fast (Effects)	
24	Iris	128-191	Open from slow to fast (Effects)	
		192-255	Close from slow to fast (Effects)	
		000-127	Rotation from left to center	
25	Framing Shutters Rotation	128	Center	
23	Framing Shutters Rotation	129-255	Rotation from center to right	
26	Framing Shutter 1 movent	000-255	Movement from outward to inward	
	I ranning Gridder i moverit	1000-200	INDVOIDER HOMOULW and to link and	

DMX CHART

34CH	Function	Value		
1	Pan	000-255	Pan Coarse	
2	Pan Fine	000-255	Pan Fine	
3	Tilt	000-255	Tilt Coarse	
4	Tilt Fine	000-255	Tilt Fine	
-	THETHIE		No function (shutter close)	
		011-082	Shutter effect slow to fast	
		083-093	No function (shutter open)	
5	Strobe	094-163	Pulse-effect in sequences	
"	ou obe	164-174	No function (shutter open)	
		175-243	Random Shutter effect slow to fast	
			No function (shutter open)	
6	Dimmer	000-255	Dimmer 0%-100%	
7	Dimmer Fine	000-255	Dimmer Fine	
8	Cyan	000-255	Difficient Fills	
9	Magenta	000-255		
10	Yellow	000-255		
11	Cto	000-255		
F		000-009	White	
		010-018	White +Color1	
	Color	019-027	Color1	
		028-036	Color1 + Color2	
		037-045	Color2	
		046-054	Color2 + Color3	
		055-063	Color3	
		064-072	Color3 + Color4	
12		073-081	Color4	
		082-090	Color4 + Color5	
		091-099	Color5	
		100-108	Color5 + Color6(CRI>90)	
		109-117	Color6(CRI>90)	
		118-127	Color6(CRI>90) + White	
		128-190	Fast to Slow (Forw ard Spin)	
		191-192	Stop (Stop Rotation)	
		193-255	Slow to Fast(Revers Spin)	
		000-005	Open	
		006-011	Position 1	
		012-017	Position 2	1
		018-022	Position 3	1
		023-028	Position 4	ļ
1	B	029-034	Position 5	
13	Rotating gobo w heel	035-040	Position 6	
		041-058	Position 1 (Position 1 Shake, from slow to fast)	
		059-075	Position 2 (Position 2 Shake, from slow to fast)	
		076-093	Position 3 (Position 3 Shake, from slow to fast)	-
		094-110	Position 4 (Position 1 Shake, from slow to fast)	1
		111-127	Position 5 (Position 5 Shake, from slow to fast)	
		128-145	Position 6 (Position 6 Shake,from slow to fast)	

OVERVIEW





1.Display 5.3 Pin DMX Out

2.Power In 6.5 Pin DMX In

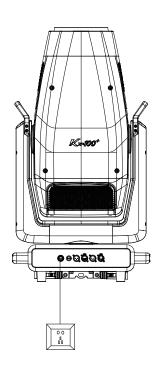
3.Fuse 7.5 Pin DMX Out

4.3 Pin DMX In

MODE	ILLUSTRATION	DESCRIPTION	EFFECT
MENU	MENU OPTION	ENTER MENU	MENU OPERATION
UP	UP	SCROLL UP	INCREASE NUMERIC VALUE
DOWN	DOWN	SCROLL DOWN	DECREASE NUMERIC VALUE
ENTER	CONFIRM	CONFIRM	SAVE SETTING
ОК	CONFIRM	CONFIRM	SAVE SETTING



POWER CONNECTION





Using IP Power Con In

Power cable connected in series

Attention: due to the power rating
one 1.5mm² power cable can connect 1 unit maximum



Do not connect more than 1 unit in series with one power cable
Do not use damage power cable
Power off the fixture when not in use

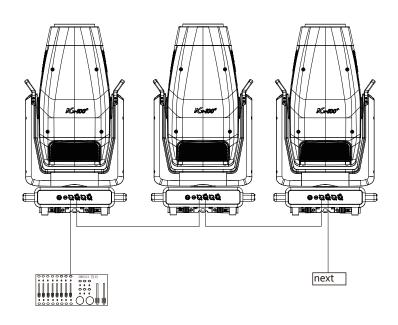
MENU

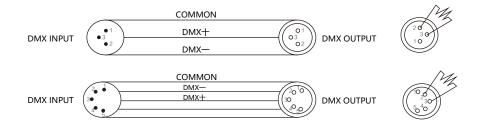
				Pan Offset	000-255
				Tilt Offset	000-255
				Cyan Offset	000-255
				Magenta Offset	000-255
				Yellow Offset	000-255
				CTO Offset	000-255
				Color Offset	000-255
				Gobo Offset	000-255
				RGobo Offset	000-255
				Gobo2 Offset	000-255
				Prism Offset	000-255
				RPrism Offset	000-255
				Effect Offset	000-255
		Code:050	Calibration	Focus Offset	000-255
				Zoom Offset	000-255
5	ADVANCED			Frost1 Offset	000-255
				Frost2 Offset	000-255
				Iris Offset	000-255
				Shutters Rot. Offset	000-255
				Fr.shutter 1 M1 Offset	000-255
				Fr.shutter 1 M2 Offset	000-255
				Fr.shutter 2 M1 Offset	000-255
				Fr.shutter 2 M2 Offset	000-255
				Fr.shutter 3 M1 Offset	000-255
				Fr.shutter 3 M2 Offset	000-255
				Fr.shutter 4 M1 Offset	000-255
				Fr.shutter 4 M2 Offset	000-255
			Factory Reset	No	
			ractory Reset	Yes	
		(Codo:068)	Language	English	
	(Code:068)	(Code:000)	Language	Chinese	

MENU

			1.Pan	000-255
			2.Pan Fine	000-255
			3.Tilt	000-255
			4.Tilt Fine	000-255
			5.Strobe	000-255
			6.Dimmer	000-255
			7.Dimmer Fine	000-255
			8.Cyan	000-255
			9.Magenta	000-255
			10.Yellow	000-255
			11.Cto	000-255
			12.Color	000-255
			13.Gobo	000-255
				000-255
			14.Rot gobo	
			15.Gobo2	000-255
			16.Prism	000-255
		Channel	17.Rot Prism	000-255
			18.Frost	000-255
	TEST		19.Focus	000-255
4			20.Focus Fine	000-255
			21.Zoom	000-255
			22.Zoom Fine	000-255
			23.Effect	000-255
			24. Iris	000-255
			28.Framing Shutter Rot.	000-255
			28.Framing Shutter 1 movent	
			29.Framing Shutter 1	000-255
			28.Framing Shutter 2 movent	000-255
			29.Framing Shutter 2 swivelling	000-255
			30.Framing Shutter 3 movent	000-255
			31.Framing Shutter 3 swivelling	000-255
			32.Framing Shutter 4 movent	000-255
			33.Framing Shutter 4 swivelling	000-255
			34. Control	000-255
			Pan/Tilt	
			Colour	
		AUTO	Beam	
			Gobo	
			All	
$\overline{}$		I.	L	

DMX CONNECTION



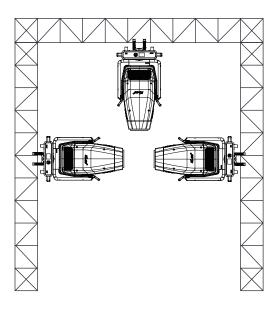


MODE	ALLOCATION	START ADDRESS 1ST FIXTURE	START ADDRESS 2ND FIXTURE	START ADDRESS 3RD FIXTURE	START ADDRESS 4TH FIXTURE
34CH	001 -034	001	035	069	103

Follow above method for subsequent fixtures, calculating starting addressed as indicated.

INSTALLATION

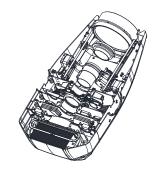
10





The fixture may be set up on a solid and even surface. By means of the fixing facilities of the baseplate, the unit can also be mounted upside down to a cross arm.

For fixing, stablemounting clips are required. The bolts of the brackets are placed into the openings provided in the base plate and turned clockwise until they lock (to the stop). Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. The mounting place must be of suÿcient stability and be able to support a weight of 10 times of the unit's weight. When carrying out any installation, always comply scrupulously with all the regulations (particularly regarding safety) currently in force in the country in which the fixture's being used. Always additionally secure the projector with the safety rope from falling down.



MENU

NO.	Main Menu	Menu level 1	Menu level 2	Menu level3	Menu level4	Default
1	CONNECT / DMX Setting	DMX Address	1-479			1
			34CH			
		DMX Channel	36CH			36CH
			38CH			
			Pan Reverse	Off		Off
				On		
				Off		Off
	Movement Setting	Tilt Reverse	On			
				Off		
			Encoder Pan/Tilt	On		On
				Off		
			Warn Cue			On
				On		
			Backlight	Off		Off
				On		
			Display Reverse	Off		Off
		Display Setting		On		
				Auto		
			Key Lock	Off		Off
				On		
			Temperature unit	°C		—∘c
2	OPTION			°F		
			Dimmer Mode	Off		Off
				Dimmer 1		
				Dimmer 2		
				Dimmer 3		
		Dimmer Setting	Dimmer Curve	Linear		Square
				Square		
				Inverse Square		
				S-Curve		
			4.4-00	3-curve		
			Auto90			\dashv
			Auto150			Auto
		Fan Setting	Silent			
			High			_
			Steady			
			All	No		No
				Yes		
		Reset Setting	Pan/Tilt	No		No
		Reset Setting		Yes		
			Head	No		No
				Yes		
3	INFORMATION	System Errors				
			Fixture Hours	0~9999H		
		Time	Led Hours	0~9999H		
			DISP:V1.0			
			NET:V1.0			
			CTR1-XY:V1.0			
		System Version	CTR2-MOTOR:V1.0			
			CTR3-MOTOR:V1.0 CTR4-MOTOR:V1.0			