



## **CONTENTS**

SAFETY(	01
NTRODUCTION (	02
PHOTOMETRICS	03
COLOR & GOBO (	04
DIMENSION	05
OVERVIEW (	06
INSTALLATION	07
CONNECTIONS	80
MENU	10
DMX CHANNELS	13
MAINTENANCE	17



## **MAINTENANCE**

#### MAINTENANCE AND CLEANING THE UNIT

- Make sure the area below the installation place is free from unwanted person during setup.
- Switch off the unit, unplug the main cable and wait until 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 corroded.
- 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 party 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 (250V/T10A).
- 4. Screw the fuse holder cap back in place and reconnect power.



#### **TROUBLESHOOTING**

Problems	Possible causes	Checks and remedies		
	No mains supply	Check the power supply voltage		
	• Dimmer fader set to 0	• Increase the value of the dimmer channels		
Fixture does not light up	• Faulty LED	Replace the LED board		
	Faulty 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 outlet     Check power cord     Replace internal power supply		

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



## **DMX CHANNELS**

		000-110	No Function	
		111-120	Pan/Tilt Slow Speed (Hold 3S)	
29	Function	121-130	Pan/Tilt Medium Speed (Hold 3S)	
		131-140	Pan/Tilt Fast Speed (Hold 3S) (Default)	
		141-255	No Function	
		000-025	Unused Range	
30	Reset	026-076	Effects Reset (Hold 5S)	
30		077-127	Pan/Tilt Reset (Hold 5S)	
		128-255	Complete Reset (Hold 5S)	
		000-025	No Function	
31	Lamp Control	026-100	Lamp Off (Hold 3S)	
		101-255	Lamp On (Hold 3S)	

#### **SAFETY**



WARNING!Before carrying out any operations with the unit, carefully read this instruction manual and keep it with cure for future reference, It contains important information about the installation, usahe 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 efficient 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 frequecy and voltage correspond to those for which the unit is designed as given on the electrival 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 different to the one described in this manual, it may suffer 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 projector, cut off power from the main supply.
- -Always additionally secure the projector 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 effectiveness 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 seizuresin photosensitive persons or persons with epilepsy.
- -Do not touch the product's housing when operating because it may be very hot.

# M

## **INTRODUCTION**

### **FEATURES**

- A perfect combination of beam/spot/wash with HID light source
- 480w 6500K PHILIPS lamp
- Ultra-bright output of 130K lux @ 20m
- Crisp beam from lens to end at every beam angle
- Consistent brightness from center to edge
- 2.1°~41.5° wide zoom angle
- CMY color mixing (CMY+15filters)
- 19 fixed gobos + 8 rotating gobos
- 1 animation wheel
- Bi-directional 4-f and 8-f prisms with variable speed
- DMX \ RDM control

#### **SPECIFICATIONS**

Light Source: 480W PHILIPS Lamp

Output: 16300lm Illuminance: 130K @ 20m Color Temperature: 6500K±400K

Beam Angle: 2.1°~29°(Beam Mode), 2.3°~41.5°(Spot Mode)

 Pan:
 540°(16 bit)

 Titl:
 270°(16 bit)

 Color:
 CMY + 15filters

Gobo: 1 static gobo wheel(19+open)

1 rotating gobo wheel(8+open)

Animation: 1 animation wheel Focus: Motorized focus

Frost: 10°
Strobe: 0~12Hz
Dimming: 0~100%

Prism: Bi-directional, indexable 4-facet and 8-facet

Protocol: DMX512、RDM

DMX Channels: 31CH

Data Connections: XLR DMX In/Out Display: TFT display

Mains: 100 - 240 VAC, 50/60 Hz

Power Connections: TureCon In Consumption: 650W/230V Ambient: -10 °C  $\sim 45$  °C

Dimension: 400.1 x 277.4 x 626.3 mm

Weight: 25KG

## **DMX CHANNELS**

000-007   White   008-015   Gobo1   008-015   Gobo2   0024-031   Gobo3   032-039   Gobo4   040-047   Gobo5   Gobo6   056-063   Gobo6   Gobo6   Gobo6   Gobo7   Gobo8   Gobo7   Gobo7   Gobo8   Gobo7   Gobo7   Gobo8   Gobo7   Gobo8   Gobo7   Gobo7   Gobo8   Gobo7   Gobo8   Gobo7   Gobo8   Gobo7   Gobo7   Gobo8   Gobo7   Gobo7					
13				White	
13			008-015	Gobo1	
13			016-023	Gobo2	
Name			024-031	Gobo3	
National Color			032-039	Gobo4	
Rotating Gobo			040-047	Gobo5	
Rotating Gobo			048-055	Gobo6	
Rotating Gobo   072-113			056-063	Gobo7	
13			064-071	Gobo8	
Change	4.0	Rotating Gobo	072-113	Fast to Slow(Revers Spin)	
118-159	13	Change	114-117	Stop (Stop Rotation)	
160-171		•	118-159		
172-183			160-171		
184-195				y .	
196-207   208-219   Gobo4 Shaking Slow to Fast   Gobo5 Shaking Slow to Fast   Gobo5 Shaking Slow to Fast   Gobo6 Shaking Slow to Fast   Gobo6 Shaking Slow to Fast   Gobo8 Shaking Slow to F					
208-219				_	
220-231					
232-243   Gobo 7 Shaking Slow to Fast   244-255   Gobo 8 Shaking Slow to Fast   28-190   Fast to Slow(Forward Spin)   28-190   Fast to Slow(Forward Spin)   28-190   Fast to Slow to Fast(Revers Spin)   28-255   28-255   28-255   29-2				_	
244-255   Gobo8 Shaking Slow to Fast   000-127   0 - 540 Position   Fast to Slow(Forward Spin)   191-192   Stop (Stop Rotation)   191-192   Stop (Stop Rotation)   193-255   Slow to Fast(Revers Spin)   15   Gobo Fine   000-255   4 Prism Out   128-255   4 Prism Into the light beam   000-127   4 Prism Rotation   128-190   Fast to Slow(Forward Spin)   191-192   Stop (Stop Rotation)   191-192   Stop (Stop Rotation)   191-192   Stop (Stop Rotation)   191-192   Stop (Stop Rotation)   193-255   Slow to Fast(Revers Spin)   8 Prism Insertion   128-190   Fast to Slow(Forward Spin)   193-255   Slow to Fast(Revers Spin)   193-255   Slow to Fast(Revers Spin)   191-192   Stop (Stop Rotation)   193-255   Slow to Fast(Revers Spin)   191-192   Stop (Stop Rotation)   191-192   Stop (Stop Rotation)					
14				3	
14				•	
194		Gobo Rotation			
193-255   Slow to Fast(Revers Spin)	14			·	
15   Gobo Fine   000-255					
16	15	Cala Fina		Slow to Fast(Revers Spin)	
16       4 Prism Insertion       128-255       4 Prism into the light beam         17       4 Prism Rotation       128-190       7 Fast to Slow(Forward Spin)         19       191-192       Stop (Stop Rotation)         18       8 Prism Insertion       000-127       8 Prism Out         19       8 Prism Rotation       128-255       8 Prism into the light beam         19       8 Prism Rotation       128-190       Fast to Slow(Forward Spin)         191-192       Stop (Stop Rotation)         191-192       Stop (Stop Rotation)         193-255       Slow to Fast(Revers Spin)         20       Frost       000-255         193-255       Frost moves linearly into the light beam         21       Zoom       000-255         22       Focus       000-255         23       Focus Fine       000-255         24       Beam Mode       000-255         25       Pan       000-255         26       Pan Fine       000-255         27       Tilt       000-255	15	Gobo Fine		A Driver Out	
17    4 Prism Rotation	16	4 Prism Insertion			
17				-	
17       4 Prism Rotation       191-192       Stop (Stop Rotation)         18       8 Prism Insertion       000-127       8 Prism Out         18       8 Prism Insertion       000-127       8 Prism into the light beam         19       8 Prism Rotation       128-255       8 Prism into the light beam         19       8 Prism Rotation       128-190       Fast to Slow(Forward Spin)         191-192       Stop (Stop Rotation)       Stop (Stop Rotation)         20       Frost       000-255       Frost moves linearly into the light beam         21       Zoom       000-255       Wide Beam-Narrow Beam         22       Focus       000-255       Distant-Near         23       Focus Fine       000-255       Focus Fine         24       Beam Mode       000-127       Spot mode         25       Pan       000-255       Beam Mode         25       Pan Fine       000-255         26       Pan Fine       000-255         27       Tilt       000-255					
193-255   Slow to Fast(Revers Spin)	17	4 Prism Rotation		• •	
18         8 Prism Insertion         000-127 t 28 Prism Out 8 Prism into the light beam           19         8 Prism Rotation         128-255 t 28 Prism into the light beam           19         8 Prism Rotation         128-190 t 28-190 (Stop Rotation)           191-192 t 290 (Stop Rotation)         193-255 (Slow to Fast(Revers Spin))           20         Frost (Revers Spin)           21         Zoom (Soor (Revers Spin))           22         Focus (Revers Spin)           23         Focus (Revers Spin)           24         Beam Mode (Revers Spin)           24         Beam Mode (Revers Spin)           25         Pan (Revers Spin)           26         Pan Fine (Revers Spin)           27         Tilt (Revers Spin)					
18     8 Prism Insertion     128-255     8 Prism into the light beam       19     8 Prism Rotation     128-190     Fast to Slow(Forward Spin)       191-192     Stop (Stop Rotation)       20     Frost     000-255     Slow to Fast(Revers Spin)       21     Zoom     000-255     Wide Beam-Narrow Beam       22     Focus     000-255     Distant-Near       23     Focus Fine     000-255     Focus Fine       24     Beam Mode     000-127     Spot mode       25     Pan     000-255       26     Pan Fine     000-255       27     Tilt     000-255					
128-255   8 Prism into the light beam	18	8 Prism Insertion			
19     8 Prism Rotation     128-190		0 1 115111 111501 11011	128-255		
19       8 Prism Rotation       191-192       Stop (Stop Rotation)         193-255       Slow to Fast(Revers Spin)         20       Frost       000-255       Frost moves linearly into the light beam         21       Zoom       000-255       Wide Beam-Narrow Beam         22       Focus       000-255       Distant-Near         23       Focus Fine       000-255       Focus Fine         24       Beam Mode       3 Spot mode         25       Pan       000-255         26       Pan Fine       000-255         27       Tilt       000-255					
191-192   Stop (Stop Rotation)   193-255   Slow to Fast(Revers Spin)   20	19	8 Prism Rotation		• •	
20         Frost         000-255         Frost moves linearly into the light beam           21         Zoom         000-255         Wide Beam-Narrow Beam           22         Focus         000-255         Distant-Near           23         Focus Fine         000-255         Focus Fine           24         Beam Mode         000-127         Spot mode           25         Pan         000-255           26         Pan Fine         000-255           27         Tilt         000-255			191-192	Stop (Stop Rotation)	
21         Zoom         000-255         Wide Beam-Narrow Beam           22         Focus         000-255         Distant-Near           23         Focus Fine         000-255         Focus Fine           24         Beam Mode         000-127         Spot mode           25         Pan         000-255           26         Pan Fine         000-255           27         Tilt         000-255			193-255	Slow to Fast(Revers Spin)	
22     Focus     000-255     Distant-Near       23     Focus Fine     000-255     Focus Fine       24     Beam Mode     000-127 128-255     Spot mode Beam Mode       25     Pan     000-255       26     Pan Fine     000-255       27     Tilt     000-255	20	Frost	000-255	Frost moves linearly into the light beam	
23         Focus Fine         000-255         Focus Fine           24         Beam Mode         000-127 128-255         Spot mode Beam Mode           25         Pan         000-255           26         Pan Fine         000-255           27         Tilt         000-255	21	Zoom	000-255	Wide Beam-Narrow Beam	
24     Beam Mode     000-127 Spot mode 128-255 Beam Mode       25     Pan     000-255       26     Pan Fine     000-255       27     Tilt     000-255	22	Focus	000-255	Distant-Near	
24     Beam Mode     128-255     Beam Mode       25     Pan     000-255       26     Pan Fine     000-255       27     Tilt     000-255	23	Focus Fine	000-255	Focus Fine	
24     Beam Mode     128-255     Beam Mode       25     Pan     000-255       26     Pan Fine     000-255       27     Tilt     000-255			000-127	Spot mode	
25     Pan     000-255       26     Pan Fine     000-255       27     Tilt     000-255	24	Beam Mode		•	
26         Pan Fine         000-255           27         Tilt         000-255	25	Pan			
27 Tilt 000-255					
25 111111111111111111111111111111111111					
	20	THETHIC	500 255		l



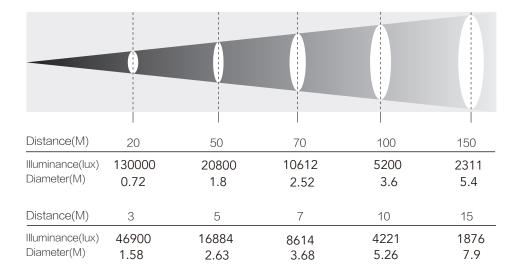
# **DMX CHANNELS**

#### 000-003 White 004-007 Gobo1 008-010 Gobo2 011-014 Gobo3 015-017 Gobo4 018-021 Gobo5 022-024 Gobo6 025-028 Gobo7 029-031 Gobo8 032-035 Gobo9 036-039 Gobo10 040-042 Gobo11 043-046 Gobo12 047-049 Gobo13 050-053 Gobo14 054-056 Gobo15 057-060 Gobo16 061-063 Gobo17 064-067 Gobo18 068-071 Gobo19 072-113 Fast to Slow(Revers Spin) Fixed Gobo Change 114-117 Slow(Slow Rotation) 118-159 Slow to Fast(Forward Spin) 160-165 Gobo1 Shaking Slow to Fast 166-170 Gobo2 Shaking Slow to Fast 171-175 Gobo3 Shaking Slow to Fast Gobo4 Shaking Slow to Fast 176-180 181-185 Gobo5 Shaking Slow to Fast 186-190 Gobo6 Shaking Slow to Fast 191-195 Gobo7 Shaking Slow to Fast Gobo8 Shaking Slow to Fast 196-200 201-205 Gobo9 Shaking Slow to Fast 206-210 Gobo10 Shaking Slow to Fast 211-215 Gobo11 Shaking Slow to Fast 216-220 Gobo12 Shaking Slow to Fast 221-225 Gobo13 Shaking Slow to Fast 226-230 Gobo14 Shaking Slow to Fast 231-235 Gobo15 Shaking Slow to Fast 236-240 Gobo16 Shaking Slow to Fast 241-245 Gobo17 Shaking Slow to Fast 246-250 Gobo18 Shaking Slow to Fast 249-255 Gobo19 Shaking Slow to Fast Effect 000-255 11 Effect moves linearly into the light beam 000-003 Stop (Stop Rotation) 004-127 Slow to Fast(Forward Spin) REffect 12 128-132 Stop (Stop Rotation) 133-255 Slow to Fast(Revers Spin)

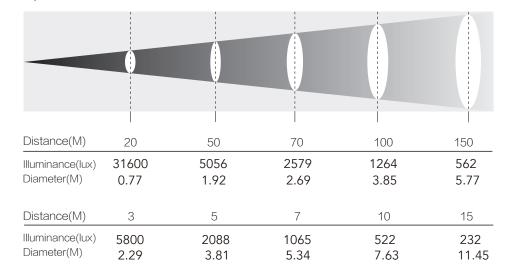
14

## **PHOTOMETRICS**

Beam Mode 2.1°/ 29°

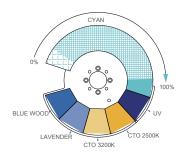


# Spot Mode 2.3°/42°

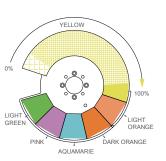


# **COLOR & GOBO**

# Color







## Animation



# **Rotating Gobos**





















# Static Gobos

















































# **DMX CHANNELS**

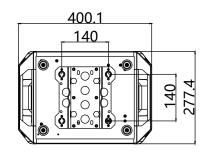
1         Cyan         000-255           2         Magenta         000-255	Valid when Color1 = 0
3	
	Valid when Color2 = 0
3 Yellow 000-255	Valid when Color3 = 0
000-023 Open	
024-046	
047-069 Color 1	
070-092 Color 1 + Color 2	
093-115 Color 2	
4 Color 1 116-139 Color 2 + Color 3	
140-162 Color 3	
163-185 Color 3 + Color 4	
186-208 Color 4	
209-231 Color 4 + Color 5	
232-255 Color 5	
000-023 Open	
024-046	
047-069 Color 1	
070-092 Color 1 + Color 2	
093-115 Color 2	
5 Color 2 116-139 Color 2 + Color 3	
140-162 Color 3	
163-185 Color 3 + Color 4	
186-208 Color 4	
209-231 Color 4 + Color 5	
232-255 Color 5	
000-023 Open	
024-046 Open + Color1	
047-069 Color 1	
070-092 Color 1 + Color 2	
093-115 Color 2	
6 Color 3 116-139 Color 2 + Color 3	
140-162 Color 3	
163-185 Color 3 + Color 4	
186-208 Color 4	
209-231 Color 4 + Color 5	
232-255 Color 5	
000-003 Closed	
004-103 Slow to Fast Strobe	
104-107 Open	
7 Strobe 108-207 Open and close by arrive slow to fast	
208-212 Open	
213-251 Random Strobe	
252-255 Open	
8 Dimmer 000-255 Dimmer 0%-100%	
9 Dimmer Fine 000-255 Dimmer Fine	

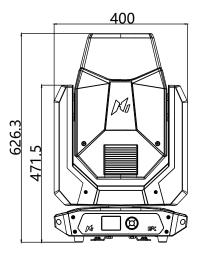


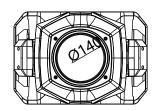
# **MENU**

		Pan/Tilt				
		Colour				
5	TEST	Beam				
		Gobo				
		All				
				Pan Offset	000-255	
				Tilt Offset	000-255	
				Dimmer Offset	000-255	
				Cyan Offset	000-255	
				Magenta Offset	000-255	
		Access Code xxxx	Calibration	Yellow Offset	000-255	
	ADVANCED			Gobo1 Offset	000-255	
				RGobo1 Offset	000-255	
				Gobo2 Offset	000-255	
6				4 Prism Offset	000-255	
ь				4 RPrism Offset	000-255	
				8 Prism Offset	000-255	
				8 RPrism Offset	000-255	
				Effect Offset	000-255	
				Focus Offset	000-255	
				Zoom Offset	000-255	
				Frost Offset	000-255	
				Blance Offset	000-255	
			Maria Laulia	Unlock Code		Default: 1234
		Menu Lo	Menu Locking	XXXX		Delault: 1234

# **DIMENSION**

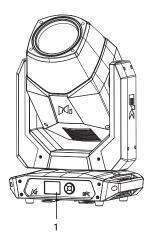




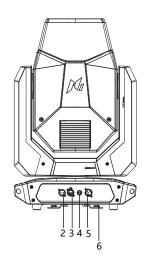


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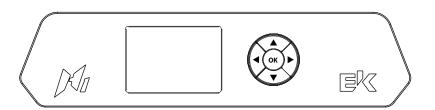
# **OVERVIEW**



- 1. Control Panel
- 2.3Pin XLR DMX IN
- 3.3Pin XLR DMX OUT



- 4. FUSE
- 5. POWER IN
- 6.Omega Bracket Plate



UP	DOWN	LEFT	RIGHT	ENTER
Increases the value display or passes to the previous item in a menu	Decreases the value displayed or passes to the next item in the menu	Return to the top level	Commute from unites,tens,hundred in the menu	Confirms the displayed value, or activates the displayed function, or enters the successive menu

# **MENU**

_	_		1		
			Total Strikes		
		Lamp Strikes	Partial Strikes	Reset	
	INFORMATION			Go Back	
3	INFORMATION	System Version	DISP NET CTR1-XY CTR2-MOTOR CTR3-MOTOR CTR4-MOTOR		
			CTR5-MOTOR		
		DMX Monitor			
		Network	IP Address	2.198.159.207	
		parameters	IP Mask	255.0.0.0	
		·	MAC Address	54-10-EC-5B-B2-32	
		UID	030F046****		
		Lamp	On		Default: Off
			Off		
		Reset	NO		
			Yes		
			1.Cyan	000-255	
			2.Magenta	000-255	
			3.Yellow	000-255	
			4.Color1	000-255	
			5.Color2	000-255	
			6.Color3	000-255	
			7.Strobe	000-255	
			8.Dimmer	000-255	
			9.Dimmer Fine	000-255	
			10.Fixed Gobo	000-255	
			11.Effect	000-255	
			12.REffect	000-255	
			13.Rotating Gobo	000-255	
	MANUAL		14.Gobo Rotation	000-255	
4	CONTROL		15.Gobo Fine	000-255	
		Channel	16.4Prism Insertion	000-255	
			17.4Prism Rotation	000-255	
			18.8Prism Insertion	000-255	
			19.8Prism Rotation	000-255	
			20.Frost	000-255	
			21.Zoom	000-255	
			22.Focus	000-255	
			23.Focus Fine	000-255	
			24.Beam Mode	000-255	
			25.Pan	000-255	
			26.Pan Fine	000-255	
			27.Tilt	000-255	
			28.Tilt Fine	000-255	
			29.Reset	000-255	
			30.Function	000-255	
			31.Lamp Control	000-255	

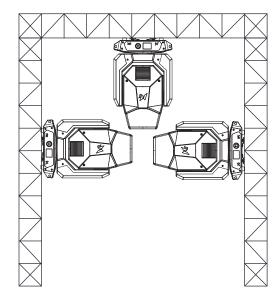


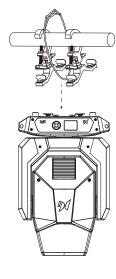
# **MENU**

			Me	enu(-)			
	Main Menu	Menu level 2	Menu level 3	Menu	level4	Remark	
		DMX Address	1-512			Default: 1	
			Custom IP Address	2.198.159.207			
			Custom IP Mask	255.0.0.0	255.0.0.0		
1	SETUP	Ethernet Interface	Universe	000-255		Default: 0	
		Ethernet interface	Start Channel	1-512		Default: 1	
			Ethernet to DMX	No		Default Ne	
			Ethernet to DIVIX	Yes		Default: No	
		Lama DMV	On			Default: On	
		Lamp DMX	Off				
			On			Default: On	
		Safety Black Out	Off				
			OII			)	
			Invert Pan	Off		Default: Off	
			invert Pan	On		Default: Off	
			Invest Tilt	Off		Default: Off	
			Invert Tilt	On		Delault: Off	
			Swap Dan Til+	Off		Default: Off	
			Swap Pan-Tilt	On		Default: Off	
			Franks Dec 711	Off		Defection.	
			Encoder Pan-Tilt	On		Default: On	
		Pan / Tilt		Standard		5 ( ); 6: 1 1	
			P/T Homing mode	Sequenced		Default: Standard	
	OPTION		Pan Home Def Pos	0 degree		Default: 270 degree	
				90 degrees			
				180 degrees			
				270 degrees			
2				0 %	Default: 50%		
				12.5 %			
				25 %			
			Tilt Home Def Pos	50 %			
				75 %			
				87.5 %			
				100 %		1	
				On		Default: Off	
		Shutter	Shutter On Error	Off			
			Off				
		Display	On			Default: Off	
			D.C. II.B	Reset To Default	Are you sure ?		
		De	Default Preset	Detault Preset	Go Back	Yes / No	
			Harris San and	Load preset 1	Are you sure ?	1	
		Continu	User Preset 1	Save to preset 1	Yes / No		
		Setting		Load preset 2	Are you sure ?	1	
			User Preset 2	Save to preset 2	Yes / No		
				Load preset 3	Are you sure ?	1	
			User Preset 3	Save to preset 3	Yes / No		
		System Errors					
			Total Hours				
		Fixture Hours	Post data	Reset			
			Partial Hours	Go Back			
			Total Hours				
3	INFORMATION	Lamp Hours	Description of	Reset			
			Partial Hours	Go Back			

# **INSTALLATION**

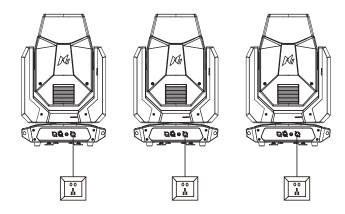
The H1 may be set up on a solid and even surface. By means of the fixing facilities of the baseplate, the unit can also be mounted upside down to a cross arm. For fixing, stablemounting clips are required. The bolts of the brackets are placed into the openings provided in the base plate and turned clockwise 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 sufficient 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. For this purpose, fasten the safety rope at a suitable position so that the maximum fall of the projector will be 20 cm.





### CONNECTIONS

#### POWER CONNECTION





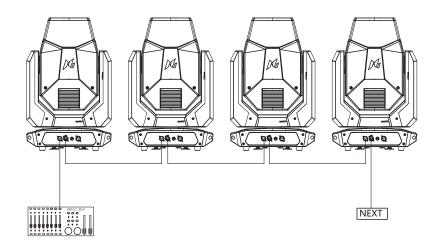
Power In

Using POWER CON In/Out Power cable connected in series Attention: due to the power rating, one 1.5mm<sup>2</sup> power cable can connect 1 unit maximum



Do not connect more than 1 unit in series with one power cable. Do not use damaged power cables Turn off the power when the unites are not in use.

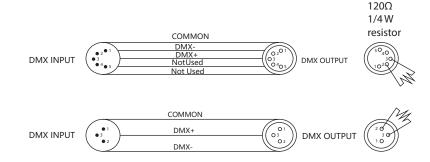
#### DMX CONNECTION



## **CONNECTIONS**

Depending on the length of the DMX cable run, or other factors, it may be advisable to install a terminator at the last fixture in the run.

The illustration below shows the correct placement of a  $120\Omega$  0.25W resistor in a terminator, as well as the standard DMX signal pin-outs.



#### **DMX STARTING ADDRESS**

To set the starting address of each fixture:

- ï Press the ENTER button and use the UP/DOWN buttons to scroll the menu
- ï Select the CONNECT menu and press ENTER
- ï Use the UP/DOWN buttons to scroll to the ADDRESS menu
- ï Press ENTER and use the UP/DOWN buttons to select the DMX address
- ï Press ENTER to confirm the chosen DMX address
- ï Press the MENU button to save changes and exit

#### **EXAMPLE OF DMX ADDRESSING**

The below table shows an example of starting addresses for four fixtures assuming a first fixture with starting address of 001.

The actual starting addresses will be determined by the operator as needed to match external controller settings.

#### Relation between DMX and Address

MODE	ALLOCATION	STARTING ADDRESS 1ST FIXTURE	STARTING ADDRESS 2ND FIXTURE	STARTING ADDRESS 3RD FIXTURE	STARTING ADDRESS 4TH FIXTURE
31CH	001-031	001	032	063	094

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