

		24	100119	Internal program 1	
			120139	Internal program 2	
	30		140159	Internal program 3	
112			160179	Internal program 4	
			180199	Internal program 5	
			200219	Internal program 6	
				220239	Internal program 7
			240255	Internal Sound program 1	

10.Maintenance and cleaning

It is absolutely essential that the fixture is kept clean and that dust, dirt and smoke-fluid residues must not build up on or within the fixture. Otherwise, the fixture's light-output will be significantly reduced. Regular cleaning will not only ensure the maximum light-output, but will also allow the fixture to function reliably throughout its life. A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circumstances should alcohol or solvents be used!

DANGER! Disconnect from the mains before starting any maintenance work

The front objective lens will require weekly cleaning as smoke-fluid tends to building up residues, reducing the light-output very quickly. The cooling-fans should be cleaned monthly.

The interior of the fixture should be cleaned at least annually using a vacuum-cleaner or an air-jet. Remove dust and dirt from the fans and cooling vents using a soft brush and vacuum-cleaner.

Important! Check the air filters periodically and clean before they become clogged!

Clean two air filters placed in the fixture's covers and two in the fixture base. Use a vacuum cleaner, compressed air or you can wash them and put back dry.

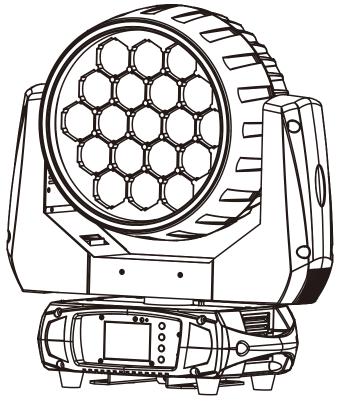
After replacing the air filters, reset the elapsed time counter in the menu "Information" (Information--->Air Filters---> Elapsed Time).

Replacing the fuse. Before replacing the fuse, unplug mains lead.

- 1) Remove the fuse holder on the rear panel of the base with a fitting screwdriver from the housing (anticlockwise)
- 2) Remove the old fuse from the fuse holder.
- 3) Install the new fuse in the fuse holder (only the same type and rating).
- 4) Replace the fuseholder in the housing and fix it.



FOS Q19 Ultra



Version 1.0

USER MANUAL

- Be sure to read the USER MANUAL carefully before using this product.
- Be sure to keep the USER MANUAL properly for future needs.
- Use this product correctly when you can fully understand the User Manual



1. Safety instructions

Thank you for choosing our FOS Q19 Ultra. for your own safety, please read this user manual carefully BEFORE YOU INITIAL START - UP!

CAUTION!

Be careful with your operations.

With a high voltage you can suffera dangerous electric shock when touching the wires!

This device has left our premises in absolutely perfect condition. 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 written in this manual.

CAUTION!

Keep this device away from rain and moisture!
Unplug mains lead before opening the housing!

Important:

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.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

During the operation the housing becomes hot). Allow the fixture to cool approximately 20 minutes prior to manipulate with it.

Make sure that the available voltage is not higher than stated on the rear panel.

WARNING! This unit does not contain an ON/OFF switch. Always disconnect power input cable to completely remove power from unit when not in use or before cleaning or servicing the fixture.

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.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power-cord by the plug. Never pull out the plug by tugging the power cord.

This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to

The electric connection, repairs and servicing must be carried out by a qualified employee.

Do not connect this device to a dimmer pack.

Do not switch the fixture on and off in short intervals as this would reduce the lamp's life.

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.

Do not touch the device's housing bare hands during its operation (housing becomes hot)!

For replacement use lamps and fuses of same type and rating only.

CAUTION! EYE DAMAGES!

Avoid looking directly into the light source
(meant especially for epileptics)!

01



				Red in Pixel 13
84			0.055	
			0255	Red in pixel 13 saturation control (0-100%)
85				Green in pixel 13
			0255	Green in pixel 13 saturation control(0-100%
86				Blue in pixel 13
00			0255	Blue in pixel 13 saturation control(0-100%)
0.7				White in pixel 13
87			0255	White in pixel 13 saturation control(0-100%)
			0200	Red in Pixel 14
88			0.055	
			0255	Red in pixel 14 saturation control (0-100%)
89				Green in pixel 14
00			0255	Green in pixel 14 saturation control(0-100%)
				Blue in pixel 14
90			0255	Blue in pixel 14 saturation control(0-100%)
			0.1.200	White in pixel 14
91			0.255	White in pixel 14 saturation control(0-100%)
			0255	
92				Red in Pixel 15
			0255	White in pixel 15 saturation control (0-100%)
03				Green in pixel 15
93			0255	Green in pixel 15 saturation control(0-100%)
			• •	Blue in pixel 15
94			0255	Blue in pixel 15 saturation control(0-100%)
			0255	
95				White in pixel 15
			0255	White in pixel 15 saturation control(0-100%)
96				Red in Pixel 16
90			0255	White in pixel 16 saturation control (0-100%)
				Green in pixel 16
97			0,,255	Green in pixel 16 saturation control(0-100%)
			0233	
98				Blue in pixel 16
			0255	Blue in pixel 16 saturation control(0-100%)
99				White in pixel 16
99			0255	White in pixel 16 saturation control(0-100%)
				Red in Pixel 17
100			0255	White in pixel 17 saturation control (0-100%)
			0200	Green in pixel 17
101			0.055	
			0255	Green in pixel 17 saturation control(0-100%)
102				Blue in pixel 17
.02			0255	Blue in pixel 17 saturation control(0-100%)
400				White in pixel 17
103			0255	White in pixel 17 saturation control(0-100%)
				Red in Pixel 18
104			0255	Red in pixel 18 saturation control (0-100%)
			U255	
105				Green in Pixel 18
			0255	Green in pixel 18 saturation control (0-100%)
106				Blue in Pixel 18
106			0255	Blue in pixel 18 saturation control(0-100%)
107				White in pixel 18
			0255	White in pixel 18 saturation control(0-100%)
			0200	Red in pixel 19
108			0.055	
			0255	Red in pixel 19 saturation control(0-100%)
109				Green in pixel 19
109			0255	Green in pixel 19 saturation control(0-100%)
440				Blue in pixel 19
110			0255	Blue in pixel 19 saturation control(0-100%)
			5200	White in pixel 19
111			0.055	· · · · · · · · · · · · · · · · · · ·
			0255	White in pixel 19 saturation control(0-100%)
				Special function
			019	No function
	00		2029	No function
440		1	3039	No function
112	30	24	4079	No function
112			8089	All Motor reset
112				AII WUUU TESEL
112				
112			9094 9599	SCAN Motor Reset Focus Motor Reset



		Technol
		White is sixel 4
51	0.055	White in pixel 4
	0255	White in pixel 4 saturation control(0-100%)
52	0.255	Red in Pixel 5
	0255	White in pixel 5 saturation control (0-100%) Green in pixel 5
53	0.255	Green in pixel 5 saturation control(0-100%)
	0255	Blue in pixel 5
54	0255	Blue in pixel 5 saturation control(0-100%)
	0255	White in pixel 5
55	0255	White in pixel 5 saturation control(0-100%)
	0255	
56	0255	Red in Pixel 6 White in pixel 6 saturation control (0-100%)
	0255	Green in pixel 6
57	0.055	
	0255	Green in pixel 6 saturation control(0-100%)
58		Blue in pixel 6
	0255	Blue in pixel 6 saturation control(0-100%)
59		White in pixel 6
	0255	White in pixel 6 saturation control(0-100%)
60		Red in Pixel 7
	0255	White in pixel 7 saturation control (0-100%)
61		Green in pixel 7
•	0255	Green in pixel 7 saturation control(0-100%)
62		Blue in pixel 7
02	0255	Blue in pixel 7 saturation control(0-100%)
63		White in pixel 7
03	0255	White in pixel 7 saturation control(0-100%)
64		Red in Pixel 8
04	0255	Red in pixel 8 saturation control (0-100%)
C.F.		Green in Pixel 8
65	0255	Green in pixel 8 saturation control (0-100%)
00		Blue in Pixel 8
66	0255	Blue in pixel 8 saturation control(0-100%)
		White in pixel 8
67	0255	White in pixel 8 saturation control(0-100%)
		Red in pixel 9
68	0255	Red in pixel 9 saturation control(0-100%)
		Green in pixel 9
69	0255	Green in pixel 9 saturation control(0-100%)
	0200	Blue in pixel 9
70	0255	Blue in pixel 9 saturation control(0-100%)
	0200	White in pixel 9
71	0255	White in pixel 9 saturation control(0-100%)
	0255	Red in Pixel 10
72	0255	Red in pixel 10 saturation control (0-100%)
	0255	Green in pixel 10
73	0.255	Green in pixel 10 saturation control(0-100%
	0200	Blue in pixel 10
74	0255	Blue in pixel 10 saturation control(0-100%)
	0200	White in pixel 10 White in pixel 10
75	0.255	White in pixel 10 saturation control(0-100%)
	0255	Red in Pixel 11
76	0.055	
	0255	Red in pixel 11 saturation control (0-100%)
77	2.255	Green in Pixel 11
	0255	Green in pixel 11 saturation control (0-100%)
78	2 255	Blue in Pixel 11
	0255	Blue in pixel 11 saturation control(0-100%)
79		White in pixel 11
	0255	White in pixel 11 saturation control(0-100%)
80		Red in pixel 12
	0255	Red in pixel 12 saturation control(0-100%)
81		Green in pixel 12
	0255	Green in pixel 12 saturation control(0-100%)
1		Blue in pixel 12

82

83

0..255

0..255

13

Blue in pixel 12

Blue in pixel 12 saturation control(0-100%)

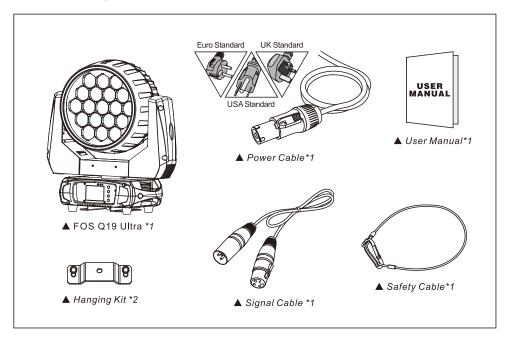
White in pixel 12

White in pixel 12 saturation control(0-100%)



2.UNPACKING

FOS Q19 Ultra adopts 19*40W LED lamp which features high brightness and stability. Please carefully unpack it when you receive the fixture and check whether it is damaged during the transportation. And please check whether the following items are included inside the box:



FOS Q19 Ultra is made of a new type of high temperature strength of engineering plastics and cast aluminum casing with nice outlook. The fixture is designed and manufactured strictly following CE standards, complying with international standard DMX512 protocol. It's available independently controlled and linkable with each other for operation. And it is applicable for large-scale live per formances, theater, studio, nightclubs and discos.

This manual covers the important information on installation and applications. Meanwhile, please keep this manual well for future needs.



3.TECHNICAL INFORMATION

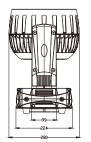
SPECIFICATIONS:

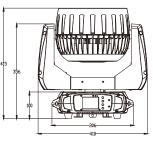
- 19*40W 4-IN-1 RGBW LEDs 50,000 hours life span
- Input Voltage: AC90-260V 50/60Hz
- Control Signal: DMX512, master-slave and sound activated or auto operation
- Control Channel: 24/30/112 DMX channel modes
- Power Consumption: 530W
- Dimensions: 411(D)*280(W)*415(H)mm
- Packing Dimensions:490(D)*285(W)*555(H)mm
- Net Weight: 13.12kg
- Gross Weight: 17.6kg

FEATURES:

- Specific optic lens of highly efficient elements integrated with glass tube
- CTB and CTO, linear colour temperature 2800K-8000K changable
- 19 Pixel each color and each LED controllable individually, aura ring effect.
- Fast, smooth and quiet motorized zoom with 6°-60° beam angle
- Even, soft edge and pure color mixing coverage
- Flicker free sources management
- 8/16 Bit smooth, fast and precise PAN/TILT movement
- 630°/540°/360°PAN optional and 270°/180°/90°TILT optional
- PAN/TILT reversible advantage
- PAN/TILT calibration available
- Scan position memory, auto reposition after unexpected movement
- 0-100% Smooth linear LED dimmer
- 7 built-in default programs for easy operation
- Different Kinds of pre-programmed macro effects with variable speed
- Variable speed strobe effect with 1-25 flashes per second
- Variable pusle and random effects
- Sound control with sensitivity adjustment
- 2.4" TFT LCD display (320*240pix) with 4 control buttons

- LCD display switch-off automatically after 60 seconds
- DMX signal monitoring indicator available
- Lower noise and efficient FAN cooling system
- Efficient low noise self adjusting fan cooling system
- Constant temperature readout and management function
- Over heat protection management
- Powercon IN/ OUT with power switch and fuse
- 3-Pin DMX connectors IN/OUT
- DB rating@1M=54.18dB
- IP20 protection rating
- -35°C ~ 45°C max ambient temperature
- 2*1/4 turn fastening Omega Clamps (Adaptable vertically and horizontally)
- 1*Safety attachment point
- CE (EMC/LVD) and RoHS certified







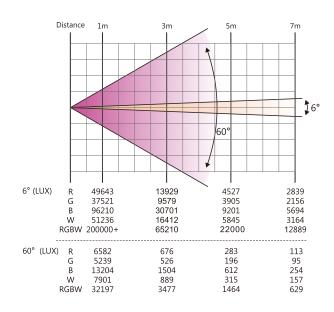
		5 10 "
		Expand Patterns
	015	No Function
	1629	Pix Dynamic Scene1
	3043	Pix Dynamic Scene2
	4457	Pix Dynamic Scene3
	5871	Pix Dynamic Scene4
	7285	Pix Dynamic Scene5
	8699	Pix Dynamic Scene6
	100113	Pix Dynamic Scene7
30	114127	Pix Dynamic Scene8
	128143	Pix Dynamic Scene9
	142155	Pix Dynamic Scene10
	156169	Pix Dynamic Scene11
	170183	Pix Dynamic Scene12
	184197	Pix Dynamic Scene13
	198211	Pix Dynamic Scene14
	212225	Pix Dynamic Scene15
	226239	Pix Dynamic Scene16
	240255	Pix Dynamic Scene 17
	240200	Pix Foreground dimmer
31		Pix_Expand Patterns Foreground dimmer 0 – 100%.
	0255	(Foreground Color Share with "Pix_Macro"Channel)
	0200	Pix Background dimmer
32	0255	Pix_Expand Patterns Background dimmer 0 – 100%.
	0255	Pix_Background Red
33	0.255	
	0255	Pix_Expand Patterns Background Red 0 – 100%.
34		Pix_Background Green
	0255	Pix_Expand Patterns Background Green 0 – 100%.
35		Pix_Background Blue
00	0255	Pix_Expand Patterns Background Blue 0 – 100%.
36		Red in Pixel 1
30	0255	Red in pixel 1 saturation control (0-100%)
0.7		Green in Pixel 1
37	0255	Green in pixel 1 saturation control (0-100%)
		Blue in Pixel 1
38	0255	Blue in pixel 1 saturation control(0-100%)
	3	White in pixel 1
39	0255	White in pixel 1 saturation control(0-100%)
	0200	Red in pixel 2
40	0255	Red in pixel 2 saturation control(0-100%)
	0200	
41	0.055	Green in pixel 2
	0255	Green in pixel 2 saturation control(0-100%)
42		Blue in pixel 2
	0255	Blue in pixel 2 saturation control(0-100%)
43		White in pixel 2
-7-0	0255	White in pixel 2 saturation control(0-100%)
44		Red in Pixel 3
44	0255	Red in pixel 3 saturation control (0-100%)
45		Green in pixel 3
	0255	Green in pixel 3 saturation control(0-100%
40		Blue in pixel 3
46	0255	Blue in pixel 3 saturation control(0-100%)
	5250	White in pixel 3
47	0255	White in pixel 3 saturation control(0-100%)
	0233	Red in Pixel 4
48	0255	
	0255	Red in pixel 4 saturation control (0-100%)
49		Green in pixel 4
	0255	Green in pixel 4 saturation control(0-100%)
50		Blue in pixel 4
	0255	Blue in pixel 4 saturation control(0-100%)



			192199	static scene25		
			200207	static scene26		
			208215	static scene27		
			216223	static scene28		
			224231	static scene29		
			232239	static scene30		
0.4	0.4		240247	static scene31		
21	21		248255	static scene32		
			210200	Dynamic Patterns		
				(If channel 18 is in the interval 032 – 255)		
			000023	No function		
			024137	Forward speed from zero speed to fast speed		
			138141	Stop movement		
			142255	Reverse speed from zero speed to fast speed		
00	00	40		Pix Dimmer		
22	22	16	0255	Pix Dimmer 0%100%		
			0200			
23	23	17		Pix_Strobe		
			0255	Pix_Strobe Speed 0%100%		
0.4		40		Pix Red		
24	24	18	0255	0-100% Pix Red dimmer from dark to bright		
—			0200			
25	25	19		Pix_Green		
			0255	0-100% Pix_Green dimmer from dark to bright		
200	200	20		Pix_Blue		
26	26	20	0255	0-100% Pix_Blue dimmer from dark to bright		
			0.1.200	Pix color		
			00	No Function		
			115	Red		
			1631	Green		
			3247	Blue		
			4863	Red+Blue		
			6479	Red+Green		
			8095	Green+Blue		
27	27	21	96111	Red+Blue+Green		
21	21	41	112127	2700K		
			128143	3200K		
			144159	3500K		
			160175	5000K		
			176191	5500K		
			192207	6000K		
			208223	6500K		
			224239	7000K		
					240255	8000K
				Pix Macro		
			015	No Function		
			1629	Pix Dynamic Scene1		
			3043	Pix Dynamic Scene2		
			4457	Pix Dynamic Scene3		
			5871	Pix Dynamic Scene4		
			7285	Pix Dynamic Scene5		
			8699	Pix Dynamic Scene6		
	28					
			100113	Pix Dynamic Scene7		
28		22	114127	Pix Dynamic Scene8		
			128143	Pix Dynamic Scene9		
			142155	Pix Dynamic Scene10		
			156169	Pix Dynamic Scene11		
			170183	Pix Dynamic Scene 12		
			184197	Pix Dynamic Scene13		
			198211	Pix Dynamic Scene14		
			212225	Pix Dynamic Scene15		
			226239	Pix Dynamic Scene16		
			240255	Pix Dynamic Scene17		
			270200	T IX D yrianillo Ocene 17		



4.PHOTOMETRICS DIAGRAM



5.OPERATION INSTRUCTIONS

- The FOS Q19 Ultra is for beam effect for on-site decoration purpose.
- Don't turn on the fixture if it's been through severe temperature difference like after transportation because
 it might damage the light due to the environment changes. So make sure to operate the fixture until it is in
 normal temperature.
- This light should be keep away from strong shaking during any transportation or movement.
- Don't pull up the light by only the head, or it might cause damages to the mechanical parts.
- Don't expose the fixture in overheat, moisture or environment with too much dust when installing it. And don't
- lay any power cables on the floor. Or it might cause electronic shock to the people.
- Make sure the installation place is in good safety condition before installing the fixture.
- Make sure to put the safety chain and check whether the screws are screwed properly when installing the
- Make sure the lens are in good condition.It's recommended to replace the units if there are any damages or severe scratch.
- Make sure the fixture is operated by qualified personnel who knows the fixture before using.
- Keep the original packages if any second shipment is needed.
- Don't try to change the fixtures without any instruction by the manufacturer or the appointed repairing
- agencies.

It is not in warranty range if there are any malfunctions from not following the user manual to operate or any illegal operation, like shock short circuit, electronic shock , lamp broke, etc.

0..255

Pix_Macro_Speed

Slow to Fast





Cautions:

For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas were the fixture might be reached by unauthorized personnel.

Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight.

Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

Never stand directly below the device when mounting, removing, or servicing the fixture.

from a ceiling, or set on a flat level surface (see illustration below). Be sure this fixture is kept at least 0.5m (1.5 f t) away from any flammable materials (decoration etc.).

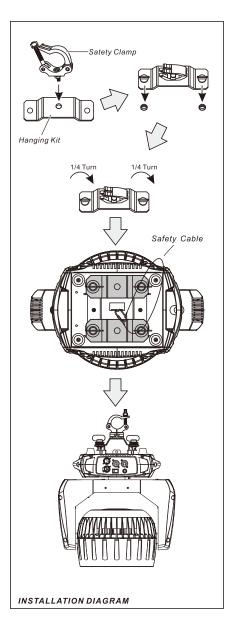
Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

Mounting points:

Overhead mounting requires extensive experience, including amongst others calculating working load limits, a fine knowledge of the installation material being used, and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury. Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

Clamp Mounting:

FOS Q19 Ultra provides a unique mounting bracket assembly that integrates the bottom of the base, and the safety cable rigging point in one unit (see the illustration below). When mounting this fixture to truss be sure to secure an appropriately rated clamp to the included omega bracket using a M10 screw fitted through the center hole of the "Hanging Kit". As an added safety measure be sure to attached at least one properly rated safety cable to the fixture using on of the safety cable rigging point integrated in the base assembly.





Patterns				
O16.031 Static patterns				Patterns
O16.031 Static patterns			000,.015	No function
032,038				
039.045				
046.052 Dynamic Scene4				
066.073 Dynamic Scene 6				
074.080 Dynamic Scene7			060066	Dynamic Scene5
081.087 Dynamic Scene8			067073	Dynamic Scene6
081.087 Dynamic Scene8			074080	Dynamic Scene7
088.094 Dynamic Scene9				
102.108				
109.115				
116.122				
123.129 Dynamic Scene 14				
130.136 Dynamic Scene15			116122	Dynamic Scene13
137143			123129	Dynamic Scene14
144150 Dynamic Scene17	20	20	130136	Dynamic Scene15
144150 Dynamic Scene17			137143	Dynamic Scene16
151157 Dynamic Scene 18				
158164 Dynamic Scene19				
165.171 Dynamic Scene20				
172178				
179.185 Dynamic Scene22				
186.192 Dynamic Scene23 193.199 Dynamic Scene24 200.206 Dynamic Scene25 207.213 Dynamic Scene26 214.220 Dynamic Scene26 221.227 Dynamic Scene28 228.234 Dynamic Scene29 228.234 Dynamic Scene30 242.248 Dynamic Scene31 249.255 Dynamic Scene32 Static patterns or patterns speed Static Patterns (If channel 18 is in the Interval 016 – 031) 000.007 static scene1 008.015 static scene2 016.023 static scene3 024.031 static scene4 032.039 static scene5 040.047 static scene6 048.055 static scene6 048.055 static scene7 050.063 static scene8 064.071 static scene8 064.071 static scene9 072.079 static scene10 120.127 static scene11 120.119 static scene14 112.119 static scene15 120.127 static scene16 120.127 static scene16 120.127 static scene17 136.143 static scene19 152.159 static scene20 160.167 static scene20 160.167 static scene21 176.183 static scene23 106.167 static scene23 107.175 static scene20 176.183 static scene23 107.175 static scene20 100.107 static sce				· · · · · · · · · · · · · · · · · · ·
193.199			179185	Dynamic Scene22
193.199			186192	Dynamic Scene23
200.206 Dynamic Scene25			193199	
207.213				
214.220 Dynamic Scene27				· · · · · · · · · · · · · · · · · · ·
221.227 Dynamic Scene28				
228.234 Dynamic Scene29				
235.241 Dynamic Scene30				· · · · · · · · · · · · · · · · · · ·
242248 Dynamic Scene31				
249.255 Dynamic Scene32			235241	Dynamic Scene30
Static patterns or patterns speed Static Patterns			242248	Dynamic Scene31
Static patterns or patterns speed Static Patterns			249255	Dynamic Scene32
Static Patterns				
Company Comp				· · · · · ·
000007 static scene1				
008.015 static scene2				
016.023 static scene3				
024031 static scene4				static scene2
032039 static scene5			016023	static scene3
032039 static scene5			024031	static scene4
040047 static scene6				
048.055 static scene7				
056.063 static scene8				
21 21 21 064071 static scene9 072079 static scene10 080087 static scene11 088095 static scene12 096103 static scene13 104111 static scene14 112119 static scene15 120127 static scene16 128135 static scene17 136143 static scene18 144151 static scene19 152159 static scene20 160167 static scene21 168175 static scene22 176183 static scene22				
21 21 072079 static scene10 080087 static scene11 088095 static scene12 096103 static scene13 104111 static scene14 112119 static scene15 120127 static scene16 128135 static scene16 128135 static scene17 136143 static scene18 144151 static scene19 152159 static scene20 160167 static scene21 168175 static scene22 176183 static scene23				
21 080.087 static scene11 088.095 static scene12 096.103 static scene13 104111 static scene14 112119 static scene15 120127 static scene16 128135 static scene17 136143 static scene18 144151 static scene19 152159 static scene20 160167 static scene21 168175 static scene22 176183 static scene23				
088.095 static scene12 096.103 static scene13 104.111 static scene14 112.119 static scene15 120.127 static scene16 128.135 static scene17 136.143 static scene18 144.151 static scene19 152.159 static scene20 160.167 static scene21 168.175 static scene22 176.183 static scene23			072079	static scene10
096103 static scene13 104111 static scene14 112119 static scene15 120127 static scene16 128135 static scene17 136143 static scene18 144151 static scene19 152159 static scene20 160167 static scene21 168175 static scene22 176183 static scene23	21	21	080087	static scene11
096103 static scene13 104111 static scene14 112119 static scene15 120127 static scene16 128135 static scene17 136143 static scene18 144151 static scene19 152159 static scene20 160167 static scene21 168175 static scene22 176183 static scene23			088095	static scene12
104111 static scene14 112119 static scene15 120127 static scene16 128135 static scene17 136143 static scene18 144151 static scene19 152159 static scene20 160167 static scene21 168175 static scene22 176183 static scene23				
112119 static scene15 120127 static scene16 128135 static scene17 136143 static scene18 144151 static scene19 152159 static scene20 160167 static scene21 168175 static scene22 176183 static scene23				
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152159 static scene20 160167 static scene21 168175 static scene22 176183 static scene23				
152159 static scene20 160167 static scene21 168175 static scene22 176183 static scene23			144.151	static scene19
160167 static scene21 168175 static scene22 176183 static scene23				static scene20
168.175 static scene22 176183 static scene23				
176.183 static scene23				
104191 Static scene24				
		L	184191	Static Scene24



				technolo	
				Color Temp	
			015	No Function	
		l	16.45	Below 3200K	
		l	4675	3200K - 3500K	
			76105	3500K - 5000K	
14	14	14	106135	5000K - 5500K	
		l	136165	5500K - 6000K	
		-	166195	6000K - 6500K	
		l -	196195		
		l -		6500K - 7000K 7000K - 8000K	
			226255		
4.5	1	ا ہے ا	0.45	Visual Tungsten Lamp	
15	15	15	015	No Function	
			16255	Tungsten lamp effect is gradually enhanced	
				Foreground color for patterns	
			00	No Function	
			113	Red	
		l L	14. 27	Green	
		l L	2841	Blue	
			4255	White	
			5669	Red+White	
			7083	Green+White	
			8497	Blue+White	
			98111	Green+Blue	
			112125	Red+Blue	
			126139	Red+Green	
16	16		140153	Green+Blue+White	
	'*		154167	Red+Blue+White	
		l	168181	Red+Green+White	
			182195	Red+Blue+Green+White	
			196202	2700K	
		l -		3200K	
			203209		
			210216	3500K	
			217223	5000K	
			224230	5500K	
			231237	6000K	
				238244	6500K
			245251	7000K	
			252255	8000K	
17	17	l L		Foreground dimmer	
17	17		000255	Foreground dimmer 0 – 100%.	
				Background color for patterns	
			00	No Function	
			113	Red	
			1427	Green	
			2841	Blue	
			4255	White	
			56.69	Red+White	
			7083	Green+White	
		l	8497	Blue+White	
		l	98111	Green+Blue	
		l	112125	Red+Blue	
		l	126139	Red+Green	
18	18		140153	Green+Blue+White	
10	'0	-			
		-	154167	Red+Blue+White	
			168181	Red+Green+White	
			182195	Red+Blue+Green+White	
			196202	2700K	
		L	203209	3200K	
		<u> </u>	210216	3500K	
			217. 223	5000K	
		[224230	5500K	
		[231237	6000K	
		[238244	6500K	
	I	ı [245 251	7000K	

7000K 8000K

Background dimmer

Background dimmer 0 - 100%

245..251

252..255

000..255

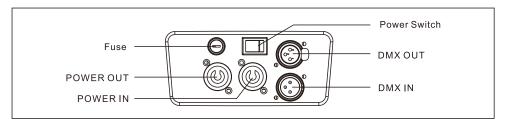
09

19

19

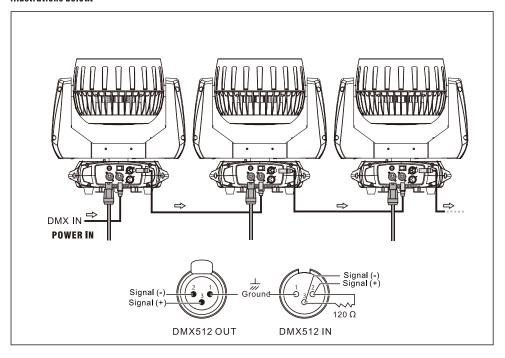


7.CONTROL CONNECTION



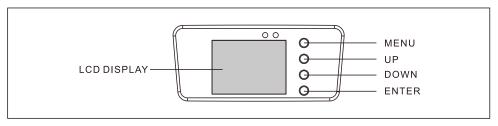
Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple Moving head together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below. DMX-512 connection with DMX terminator.

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a3 resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below.









	MENU	Description	
	Dmx Address	A001~AXXX	
		CH112	
	Channel Mode	CH30	
		CH24	
Function Mode		Internal Program1~8	
runction Mode	Auto Run	State:Master/Alone	
		Auto Run(On/Off)	
		Internal Program1~8	
	Music Control	State:Master/Alone	
		Music Run(On/Off)	
	Reset Default	Yes/No	
		Wire DMX	
	Signal Set	Wireless DMX	
		Act WDMX&Out	
		WiDMX Out	
Option		Reverse Pan (On/Off)	
	Pan/Tilt	Reverse Tilt (On/Off)	
	Pan/ IIII	Select Pan 630/540/360	
		Select Tilt270/180/90	
	UISET	Mic sensitivity 0~99%	
	UISEI	OFF Signal Mode (On/Off)	
Information	Temp erature	xxx°C/°F	
Information	Software Version	V1.0~V9.9	
		Total Reset	
Manual Cantual	Reset	Pan/Tilt Reset	
Manual Control		Focus Reset	
	Channel	PAN=XXX	
ADVANCED	Calibration	PAN=XXX	
(Access Code 088)	Calibration	1 AN=AAA	

Special button instruction: press "UP" and "DOWN" for 3 seconds, display menu turns upside down



9.DMX PROTOCOL

Мо	ode/Chanı	nel	Value	Function
112	30	24		
				Pan
1 1	1	1 1	0255	PAN Movement
	_			Pan-fine
2	2	2	0255	Fine control of Pan movement
			0.1.200	Tilt
3	3	3 -	0255	Tilt Movement
			0233	Tile-fine
4	4	4	0255	
			0255	Fine control of Tilt movement
				Speed pan/tile
5	5	5	0225	max to min speed
			226235	blackout by movement
			236255	no function
6	6	6		Dimmer
	0		0255	Dimmer 0%100%
				Shutter
		[031	Shutter closed
		[3263	shutter open
_	_	_	6495	Strobe effect slow to fast
7	7	7	96127	shutter open
			128159	Pulse-effect in sequences slow to fast
		l t	160191	shutter open
			192255	shutter open
			132233	Red
8	8	8	0255	0-100% Red dimmer from dark to bright
			0255	
9	9	9		Green
			0255	0-100% Green dimmer from dark to bright
10	10	10		Blue
		10	0255	0-100% Blue dimmer from dark to bright
11	11	11		White
'''	''		0255	0-100% White dimmer from dark to bright
12	12	12		Zoom
12	12	'2	0255	In(near) to out(far)
				Virtual color
		l t	00	No Function
		l t	113	Red
			1427	Green
			2841	Blue
			4255	White
			5669	Red+White
			7083	Green+White
			8497	Blue+White
		13	98111	Green+Blue
			112125	Red+Blue
			126139	Red+Green
13	13		140153	Green+Blue+White
			154167	Red+Blue+White
		[168181	Red+Green+White
		[182195	Red+Blue+Green+White
		[196202	2700K
			203209	3200K
			210216	3500K
			217223	5000K
			224230	5500K
			231237	6000K
		-	238244	6500K
			245251	7000K
	1		252255	8000K