AuraBeam ™189 Quattro

IP20 230W ---1.2m t_a 40℃ t_c 100℃

User Manual
KEEP THIS MANUAL FOR FUTURE NEEDS

1   *SAFETY INSTRUCTIONS*

> ⚠ **CAUTION**
> Becareful with your operations.With a dangerous voltage you cansuffer a dangerous electric shock when touching wires!

This device has left the factory in 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 user manual.

> ⚠ **IMPORTANT**
> Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature.

This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

The device shall only be used with rate voltage and frequency.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

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.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

10   *MAINTENANCE AND CLEANING*

The following points have to be considered during the inspection:

1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.

2) There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).

3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.

4) The electric power supply cables must not show any damage, material fatigue or sediments.

Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

> ⚠ **CAUTION**
> Disconnect from mains before starting maintenance operation.

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.

2) Clean the fan each week.

3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint- free cloth. Never use alcohol or solvents.

There are no serviceable parts inside the device. Please refer to the instructions under "Installation instructions".

Should you need any spare parts, please order genuine parts from your local dealer.
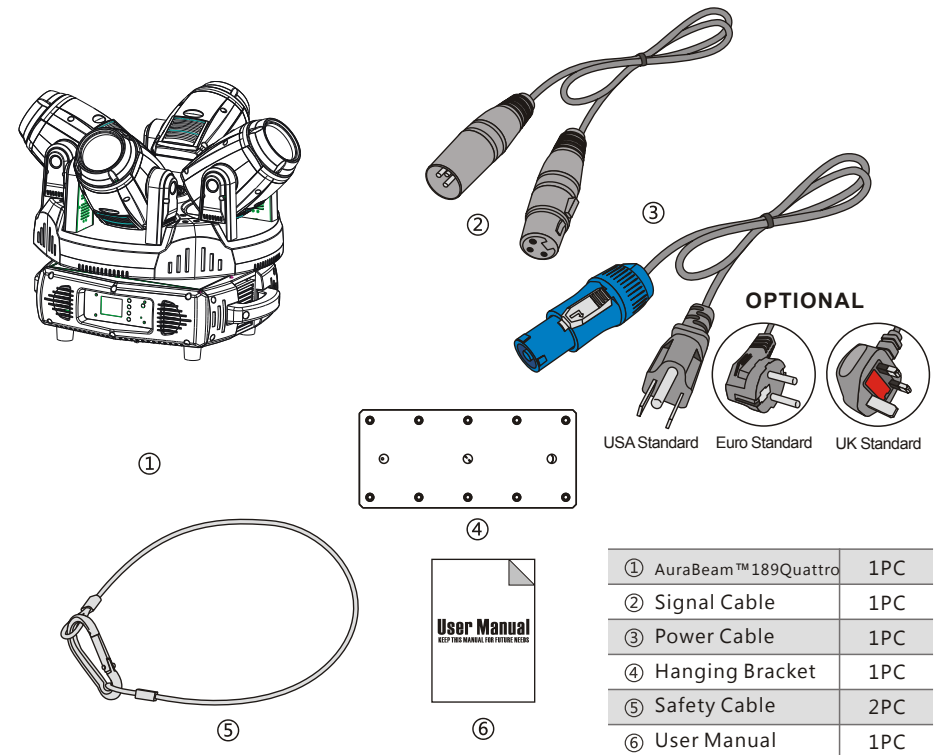
			44-47	Lamp1 on
52	11	Special Function	48-51	Lamp2 on
			52-55	Lamp3 on
			56-59	Lamp4 on
			60-63	All lamp off
			64-67	Lamp1 off
			68-71	Lamp2 off
			72-75	Lamp3 off
			76-79	Lamp4 off
			80-84	All motor reset
			85-87	Scan motor reset
			88-90	Colors motor reset
			91-93	Gobo motor reset
			94-96	Shutter&Dimmer motor reset
			97-99	Other motor reset
			100-119	Internal program 1
			120-139	Internal program 2
			140-159	Internal program 3
			160-179	Internal program 4
			180-199	Internal program 5
			200-219	Internal program 6
			220-239	Internal program 7
			240-255	Internal program 8

2 UNPACKING

Thank you for choosing our AuraBeam ™189 Quattro. For your own safety, please read this manual before installing the device. This manual covers the important information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual well for future needs.

The AuraBeam ™189 Quattro 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 small to medium live performances, theater, studio, nightclubs and discos.

The AuraBeam ™189 Quattro adopts 4*PHILIPS 189W 5R 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:

OPTIONAL

USA Standard   Euro Standard   UK Standard

①   ④   ⑤   ⑥

① AuraBeam™189Quattro	1PC
② Signal Cable	1PC
③ Power Cable	1PC
④ Hanging Bracket	1PC
⑤ Safety Cable	2PC
⑥ User Manual	1PC

3 FEATURES & SPECIFICATIONS

Features

- 4*PHILIPS 189W 5R lamp
- 2000 hours life span and low power consumption
- 8/16 bit smooth and precise resolution for PAN/TILT movement
- 360° continuous PAN and 104° TILT movement
- PAN/TILT inversion available
- Scan position memory, auto re-position after unexpected movement
- Specific high precision glass optic system with 3.8° projection angle
- Improved optics and flat beam field
- A static gobo wheel with 14 gobos plus open and gobo shake
- A color wheel with 11 colors plus open
- Variable direction rainbow effect with speed adjustable
- 2m to 30m linear electric focus
- 8-facet prism with variable speed and direction
- 0-100% smooth linear dimmer
- 25T/sec high speed shutter/strobe effect with variable speed
- Preset variable/random strobe and dimming pulse effect
- Art-Net,King-Net,DMX
- 52/11 DMX channels USITT DMX-512 (vector mode included, color time and gobo time controllable from fast to slow)
- DMX512, master-slave, and sound activated controllable or auto operation
- 8 Built-in auto running programs
- 6 Built-in macro functions
- DMX recorder and edit function integrated
- 2.4" TFT LCD display (320*240pix)
- LCD display reversible
- POWRECON connector IN
- 3-pin XLR connectors IN/OUT
- Low noise fan cooling system
- Constant temperature readout and management function
- -35-45oC max ambient temperature
- IP20 protection rating
- 55dB at 3'dB rating
- 1 Set specially designed hanging system

			80-84	Gobo 16
			35-39	Gobo 17
			40-44	Gobo 1 shake slow to fast
			45-49	Gobo 2 shake slow to fast
			50-54	Gobo 3 shake slow to fast
			55-59	Gobo 4 shake slow to fast
			60-64	Gobo 5 shake slow to fast
			65-69	Gobo 6 shake slow to fast
			70-74	Gobo 8 shake slow to fast
			75-79	Gobo 9 shake slow to fast
			162-169	Gobo 10 shake slow to fast
			170-177	Gobo 11 shake slow to fast
			178-185	Gobo 12 shake slow to fast
			186-193	Gobo 13 shake slow to fast
			194-201	Gobo 14 shake slow to fast
			202-209	Gobo 15 shake slow to fast
			210-217	Gobo 16 shake slow to fast
			218-225	Gobo 17 shake slow to fast
			226-255	Rot.gobo wheel cont. rotation slow to fast
46		Shutter 4	0-31	Shutter closed
			32-63	Shutter open
			64-95	Strobe effect slow to fast
			96-127	Shutter open
			128-159	Pluse-effect in sequences slow to fast
			160-191	Shutter open
			192-223	Random strobe effect slow to fast
			224-255	Shutter open
47		Dimmer 4	0-255	Dimmer 0%-100%
48		Focus 4	0-255	In (far) to out (near)
49		Rotating prism	0-5	Prism swing out (hole)
			6-127	Prism swing in
			128-189	Prism Forwards rotation from fast to slow
			190-193	Prism rotation stop
			194-255	Prism Backwards rotation from slow to fast
50		Speed Pan/Tilt 4	0-225	Max to min speed
			226-235	Backout by movement
			236-245	Blackout by all wheel changing
			246-255	No Function
51				No Function
			0-19	No Function
			20-29	No Function
			30-39	No Function
			40-43	All lamp on

			24-27	Color 3
44		Color wheel 4	28-31	Color 3 + Color 4
			32-35	Color 4
			36-39	Color 4 + Color 5
			40-43	Color 5
			44-47	Color 5 +Color 6
			48-51	Color 6
			52-55	Color 6 + Color 7
			56-59	Color 7
			60-63	Color 7 + Color 8
			64-67	Color 8
			68-71	Color 8 + Color 9
			72-75	Color 9
			76-79	Color 9 + Color 10
			80-83	Color 10
			84-87	Color 10 + Color 11
			88-91	Color 11
			92-95	Color 11 + Color 12
			96-99	Color 12
			100-103	Color 12 + Color 13
			104-107	Color 13
			108-111	Color 13 + Color 14
			112-115	Color 14
			116-127	Color 14 + White
			128-189	Forward rainbow effect from fast to slow
			190-193	Color roation stop
			194-255	Backwards rainbow effect from slow to fast
45		Gobo wheel 4	0-4	Open
			5-9	Gobo 1
			10-14	Gobo 2
			15-19	Gobo 3
			20-24	Gobo 4
			25-29	Gobo 5
			30-34	Gobo 6
			35-39	Gobo 7
			40-44	Gobo 8
			45-49	Gobo 9
			50-54	Gobo 10
			55-59	Gobo 11
			60-64	Gobo 12
			65-69	Gobo 13
			70-74	Gobo 14
			75-79	Gobo 15

Specifications

Input Voltage:	AC90-260V 50/60Hz
LED Quantities:	4*PHILIPS 190W 5R lamp
Control Signal:	DMX512, master-slave and sound activated or auto operation
Comtrol protocols:	Art-Net,King-Net,DMX
Control Channel:	52/11 DMX channels USITT DMX-512
Power Consumption:	1200W
Dimensions:	560(D)*564(W)*528(H)mm
Packing Dimensions:	620(D)*590(W)*860(H)mm
Net Weight:	54kg
Flight Case Weight:	28KG
Gross Weight:	82kg (with case)

223

545

555

564

Static gobos

Colors

Red Cyan Green Yellow

Magenta Pink Blue Orange

UV CTO CTB White
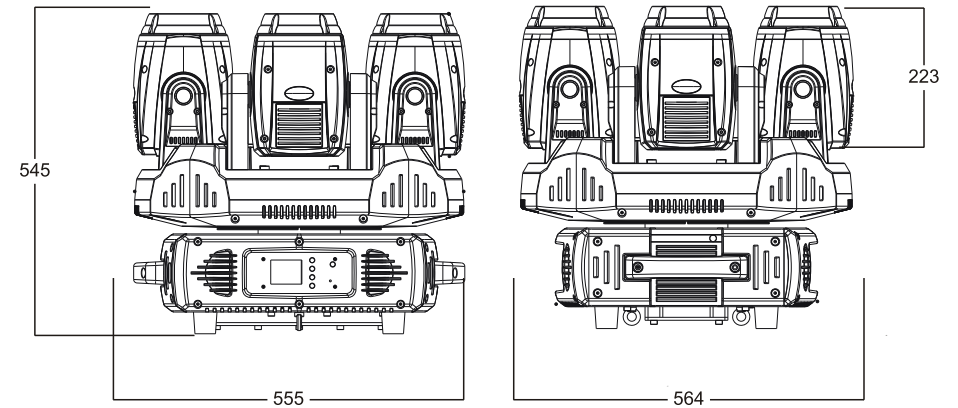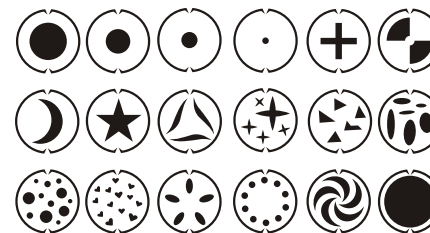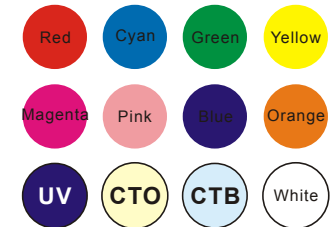
4 PHOTOMETRIC DATA

Photometric Beam Angle Data   3.8° Beam Angle   LUX × 0.0929=FC

| 19540 | 8750 | 5330 | 3410 | (LUX) |

3.8°

| 0m (0ft) | 10m (32.8ft) | 15m (49.2ft) | 20m (65.6ft) | 25m (82.0ft) |

Beam Diameter ø 0.7 / ø 2.30   ø 1.05 / ø 3.44   ø 1.38 / ø 4.53   ø 1.72 / ø 5.,64 (m/ft)

			138-145	Gobo 7 shake slow to fast
			146-153	Gobo 8 shake slow to fast
			154-161	Gobo 9 shake slow to fast
			162-169	Gobo 10 shake slow to fast
			170-177	Gobo 11 shake slow to fast
			178-185	Gobo 12 shake slow to fast
			186-193	Gobo 13 shake slow to fast
			194-201	Gobo 14 shake slow to fast
			202-209	Gobo 15 shake slow to fast
			210-217	Gobo 16 shake slow to fast
			218-225	Gobo 17 shake slow to fast
			226-255	Rot.gobo wheel cont. rotation slow to fast
33		Shutter 3	0-31	Shutter closed
			32-63	Shutter open
			64-95	Strobe effect slow to fast
			96-127	Shutter open
			128-159	Pluse-effect in sequences slow to fast
			160-191	Shutter open
			192-223	Random strobe effect slow to fast
			224-255	Shutter open
34		Dimmer 3	0-255	Dimmer 0%-100%
35		Focus 3	0-255	In (far) to out (near)
36		Rotating prism	0-5	Prism swing out (hole)
			6-127	Prism swing in
			128-189	Prism Forwards rotation from fast to slow
			190-193	Prism rotation stop
			194-255	Prism Backwards rotation from slow to fast
37		Speed Pan/Tilt 3	0-225	Max to min speed
			226-235	Backout by movement
			236-245	Blackout by all wheel changing
			246-255	No Function
38				No Function
39				No Function
40				No Function
41				No Function
42		Tilt 4	0-255	Tilt 1 Movement
43		Tilt 4-Fine	0-255	Fine control of Tilt movement
			0-3	Open/White
			4-7	White+Color 1
			8-11	Color 1
			12-15	Color 1 + Color 2
			16-19	Color 2
			20-23	Color 2 + Color 3

			56-59	Color 7
			60-63	Color 7 + Color 8
			64-67	Color 8
			68-71	Color 8 + Color 9
			72-75	Color 9
			76-79	Color 9 + Color 10
			80-83	Color 10
			84-87	Color 10 + Color 11
			88-91	Color 11
			92-95	Color 11 + Color 12
			96-99	Color 12
			100-103	Color 12 + Color 13
			104-107	Color 13
			108-111	Color 13 + Color 14
			112-115	Color 14
			116-127	Color 14 + White
			128-189	Forward rainbow effect from fast to slow
			190-193	Color roation stop
			194-255	Backwards rainbow effect from slow to fast
32		Gobo wheel 3	0-4	Open
			5-9	Gobo 1
			10-14	Gobo 2
			15-19	Gobo 3
			20-24	Gobo 4
			25-29	Gobo 5
			30-34	Gobo 6
			35-39	Gobo 7
			40-44	Gobo 8
			45-49	Gobo 9
			50-54	Gobo 10
			55-59	Gobo 11
			60-64	Gobo 12
			65-69	Gobo 13
			70-74	Gobo 14
			75-79	Gobo 15
			80-84	Gobo 16
			85-89	Gobo 17
			90-97	Gobo 1 shake slow to fast
			98-105	Gobo 2 shake slow to fast
			106-113	Gobo 3 shake slow to fast
			114-121	Gobo 4 shake slow to fast
			122-129	Gobo 5 shake slow to fast
			130-137	Gobo 6 shake slow to fast

5 OPERATION INSTRUCTIONS

· The AuraBeam ™ 189 Quattro 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 fixture.
· 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.

6 INSTALLATIONS

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 ft) 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.
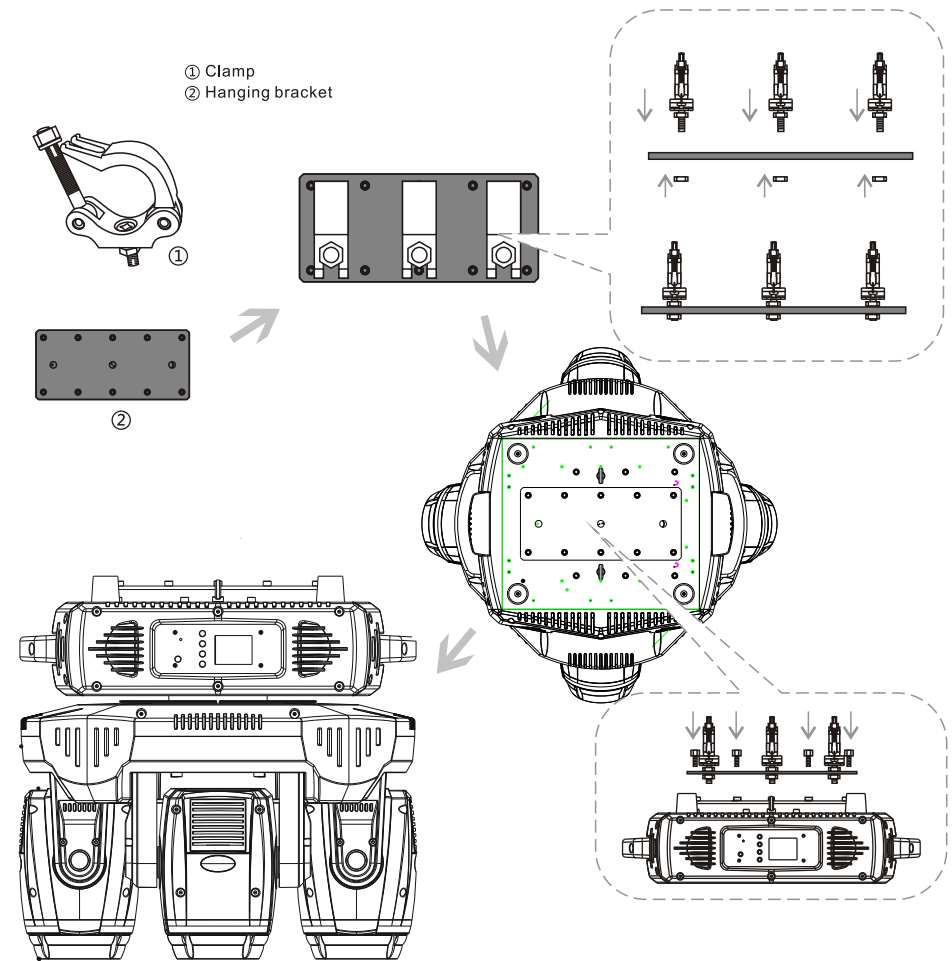
Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

Clamp Mounting: AuraBeam ™189 Quattro provides two unique mounting bracket assembly that integrates the bottom of the base, the included "Hanging Bracket," 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 bracket". 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.

Regardless of the rigging option you choose for your AuraBeam ™189 Quattro, always be sure to secure your fixture with a safety cable. The fixture provides a built-in rigging point for a safety cable on the hanging bracket as illustrated above. Be sure to only use the designated rigging point for the safety cable and never secure a safety cable to a carrying handle.

			202-209	Gobo 15 shake slow to fast
			210-217	Gobo 16 shake slow to fast
			218-225	Gobo 17 shake slow to fast
			226-255	Rot.gobo wheel cont. rotation slow to fast
20		Shutter 2	0-31	Shutter closed
			32-63	Shutter open
			64-95	Strobe effect slow to fast
			96-127	Shutter open
			128-159	Pluse-effect in sequences slow to fast
			160-191	Shutter open
			192-223	Random strobe effect slow to fast
			224-255	Shutter open
21		Dimmer 2	0-255	Dimmer 0%-100%
22		Focus 2	0-255	In (far) to out (near)
23		Rotating prism	0-5	Prism swing out (hole)
			6-127	Prism swing in
			128-189	Prism Forwards rotation from fast to slow
			190-193	Prism rotation stop
			194-255	Prism Backwards rotation from slow to fast
24		Speed Pan/Tilt 2	0-225	Max to min speed
			226-235	Backout by movement
			236-245	Blackout by all wheel changing
			246-255	No Function
25				No Function
26				No Function
27				No Function
28				No Function
29		Tilt 3	0-255	Tilt1 Movement
30		Tilt-Fine	0-255	Fine control of Tilt movement
31		Color wheel 3	0-3	Open/White
			4-7	White+Color 1
			8-11	Color 1
			12-15	Color 1 + Color 2
			16-19	Color 2
			20-23	Color 2 + Color 3
			24-27	Color 3
			28-31	Color 3 + Color 4
			32-35	Color 4
			36-39	Color 4 + Color 5
			40-43	Color 5
			44-47	Color 5 +Color 6
			48-51	Color 6
			52-55	Color 6 + Color 7

			88-91	Color 11
			92-95	Color 11 + Color 12
			96-99	Color 12
			100-103	Color 12 + Color 13
			104-107	Color 13
			108-111	Color 13 + Color 14
			112-115	Color 14
			116-127	Color 14 + White
			128-189	Forward rainbow effect from fast to slow
			190-193	Color roation stop
			194-255	Backwards rainbow effect from slow to fast
19		Gobo Wheel 2	0-4	Open
			5-9	Gobo 1
			10-14	Gobo 2
			15-19	Gobo 3
			20-24	Gobo 4
			25-29	Gobo 5
			30-34	Gobo 6
			35-39	Gobo 7
			40-44	Gobo 8
			45-49	Gobo 9
			50-54	Gobo 10
			55-59	Gobo 11
			60-64	Gobo 12
			65-69	Gobo 13
			70-74	Gobo 14
			75-79	Gobo 15
			80-84	Gobo 16
			85-89	Gobo 17
			90-97	Gobo 1 shake slow to fast
			98-105	Gobo 2 shake slow to fast
			106-113	Gobo 3 shake slow to fast
			114-121	Gobo 4 shake slow to fast
			122-129	Gobo 5 shake slow to fast
			130-137	Gobo 6 shake slow to fast
			138-145	Gobo 7 shake slow to fast
			146-153	Gobo 8 shake slow to fast
			154-161	Gobo 9 shake slow to fast
			162-169	Gobo 10 shake slow to fast
			170-177	Gobo 11 shake slow to fast
			178-185	Gobo 12 shake slow to fast
			186-193	Gobo 13 shake slow to fast
			194-201	Gobo 14 shake slow to fast

① Clamp
② Hanging bracket
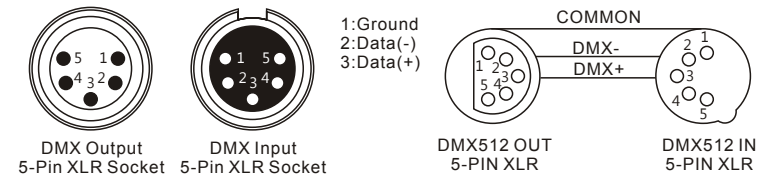
7 DMX-512 CONTROL CONNECTIONS

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

5-pin DMX OUT
5-pin DMX IN
3-pin DMX IN
3-pin DMX OUT

PAN LOCK
Fuse
Power Switch
POWER IN

RJ45 -Net

5-pin DMX IN
3-pin DMX IN

POWER IN

COMMON

1:Ground
2:Data(-)
3:Data(+)

DMX+
DMX-

DMX Output
3-Pin XLR Socket

DMX Input
3-Pin XLR Socket

DMX512 OUT
3-PIN XLR

DMX512 IN
3-PIN XLR
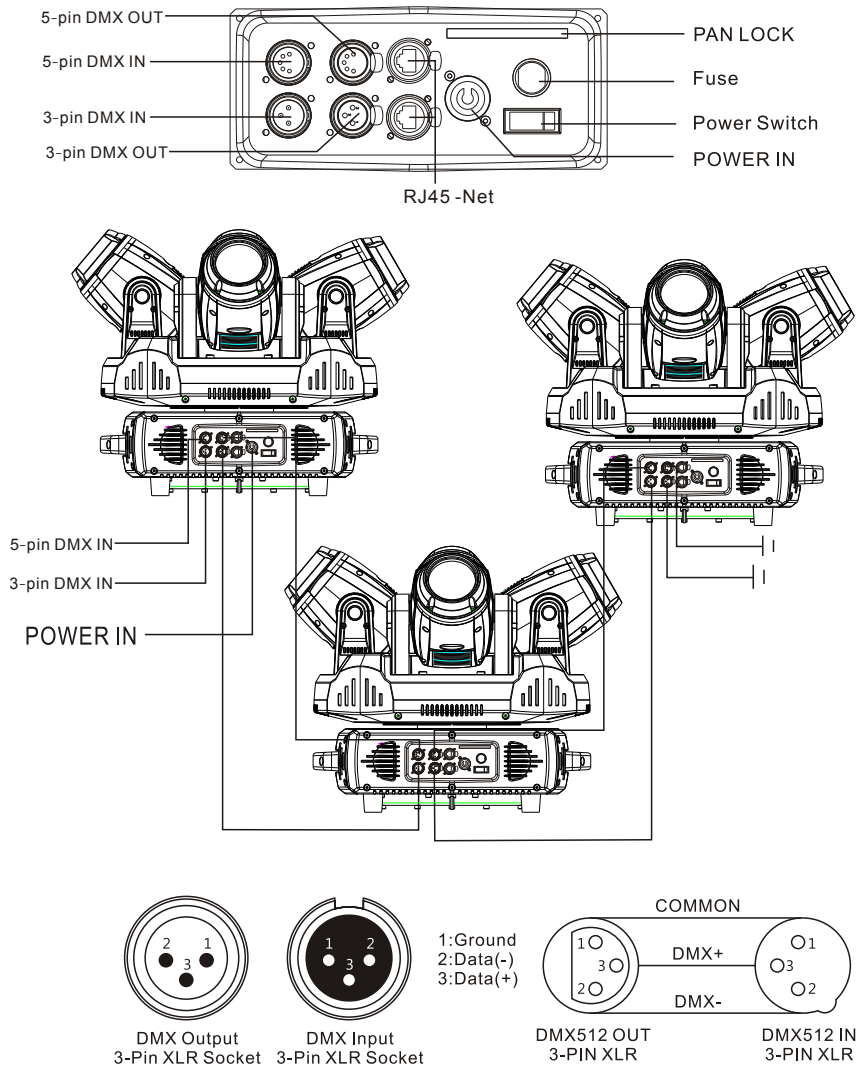
			224-255	Shutter open
8	6	Dimmer 1	0-255	Dimmer 0%-100%
9	7	Focus 1	0-255	In (far) to out (near)
10	8	Rotating Prism	0-5	Prism swing out (hole)
			6-127	Prism swing in
			128-189	Prism Forward rotation from fast to slow
			190-193	Prism rotation stop
			194-255	Prism Backwards rotation from slow to fast
11	9	Speed Pan/Tilt 1	0-225	Max to min speed
			226-235	Blackout by movement
			236-245	Blackout by all wheel changing
			246-255	No Function
12	10	Pan Rotating	0-3	Pan Rrotating off
			4-127	Forward rotation from fast to slow
			128-131	Pan rotation stop
			132-255	Backwards rotation from slow to fast
13				No Function
14				No Function
15				No Function
16		Tilt 1	0-255	Tilt1 Movement
17		Tlit-Fine	0-255	Fine control of Tilt movement
18		Color Wheel 2	0-3	Open/White
			4-7	White+Color 1
			8-11	Color 1
			12-15	Color 1 + Color 2
			16-19	Color 2
			20-23	Color 2 + Color 3
			24-27	Color 3
			28-37	Color 3 + Color 4
			32-35	Color 4
			36-39	Color 4 + Color 5
			40-43	Color 5
			44-47	Color 5 +Color 6
			48-51	Color 6
			52-55	Color 6 + Color 7
			56-59	Color 7
			60-63	Color 7 + Color 8
			64-67	Color 8
			68-71	Color 8 + Color 9
			72-75	Color 9
			76-79	Color 9 + Color 10
			80-83	Color 10
			84-87	Color 10 + Color 11

			0-4	Open
			5-9	Gobo 1
			10-14	Gobo 2
			15-19	Gobo 3
			20-24	Gobo 4
			25-29	Gobo 5
			30-34	Gobo 6
			35-39	Gobo 7
			40-44	Gobo 8
			45-49	Gobo 9
			50-54	Gobo 10
			55-59	Gobo 11
			60-64	Gobo 12
			65-69	Gobo 13
			70-74	Gobo 14
			75-79	Gobo 15
			80-84	Gobo 16
			85-89	Gobo 17
6	4	Gobo Wheel 1	90-97	Gobo 1 shake slow to fast
			98-105	Gobo 2 shake slow to fast
			106-113	Gobo 3 shake slow to fast
			114-121	Gobo 4 shake slow to fast
			122-129	Gobo 5 shake slow to fast
			130-137	Gobo 6 shake slow to fast
			138-145	Gobo 7 shake slow to fast
			146-153	Gobo 8 shake slow to fast
			154-161	Gobo 9 shake slow to fast
			162-169	Gobo 10 shake slow to fast
			170-177	Gobo 11 shake slow to fast
			178-185	Gobo 12 shake slow to fast
			186-193	Gobo 13 shake slow to fast
			194-201	Gobo 14 shake slow to fast
			202-209	Gobo 15 shake slow to fast
			210-217	Gobo 16 shake slow to fast
			218-225	Gobo 17 shake slow to fast
			226-255	Rot.gobo wheel cont. rotation slow to fast
			0-31	Shutter closed
			32-63	Shutter open
			64-95	Strobe effect slow to fast
7	5	Shutter 1	96-127	Shutter open
			128-159	Pulse-effect in sequences slow to fast
			160-191	Shutter open
			192-223	Random strobe effect slow to fast

1:Ground
2:Data(-)
3:Data(+)

COMMON

DMX-
DMX+

DMX Output
5-Pin XLR Socket

DMX Input
5-Pin XLR Socket

DMX512 OUT
5-PIN XLR

DMX512 IN
5-PIN XLR

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 a 120 Ω 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.

120 Ω

PIN3
PIN2

8 MENU OPERATIONS

LCD DISPLAY

MENU

UP

DISPLAY ON/OFF

DOWN

MIC

ENTER
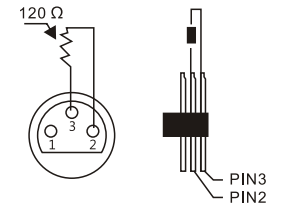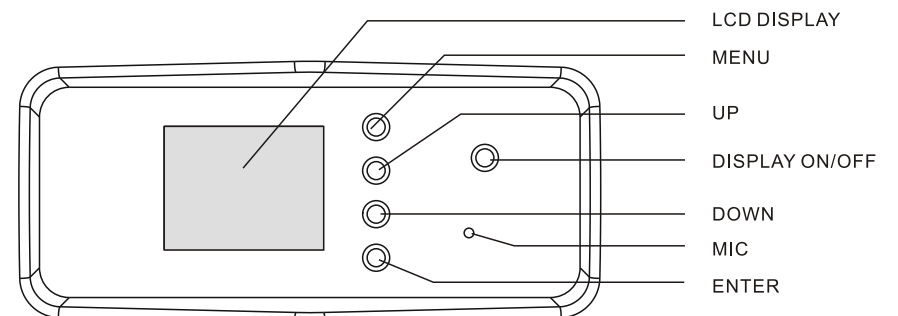
Remark: Press UP/DOWN at the same time for 3 seconds to invert the LCD display if needed.

MENU	Function Mode	Dmx Address	A001~AXXX		**DMX address setting**
		Channel Mode	CH52 MODE		**Ch52 MODE**
			CH11 MODE		**CH11 MODE**
		Auto Run	Internal Program1~8	Master/Alone	**Aurto run**
		Music Control	Internal Program1~8	Master/Alone	**Sound Control**
	Option	Reset Default	Yes/No		**Reset Default**
		Ethernet Set	ArtNet to DMX (On/Off)		**Enabled ArtNet to DMX**
			Device IP Addr:XXX.XXX.XXX.XXX		**Device IP Address Setting**
			Ctrl IP Addr:XXX.XXX.XXX.XXX		**Ctrl IP Address Setting**
			Universe:0-255		**ArtNet Protocol prot Setting**
			Protocol Set:Kling-Net /ArtNet(Default)		**Ethernet Protocol Selection**
		Reverse Pan/Tilt	Reverse PAN (On/Off)		**Reverse Pan**
			Reverse TILT 1 (On/Off)		**Reverse Tilt 1**
			Reverse TILT 2 (On/Off)		**Reverse Tilt 2**
			Reverse TILT 3 (On/Off)		**Reverse Tilt 3**
			Reverse TILT 4 (On/Off)		**Reverse Tilt 4**
		UI SET	Mic sensitivity 0~99%		**Mic Sensitivity**
			OFF Signal Mode (On/Off)		**Signal Mode**
			Half Color Wheel (On/Off)		**Half Color Wheel Selection**
			Start Up Lamp (On/Off)		**Start Up Lamp Selection**
			Scan Fast Mode (On/Off)		**Scan Fast Mode**
	Information	Lamp Hours	LAMP1 XXXX(Hours)		**Lamp Hours**
			LAMP2 XXXX(Hours)		
			LAMP3 XXXX(Hours)		
			LAMP4 XXXX(Hours)		
		Software Version	V1.0~V9.9		**Software Version**
	Manual Control	Lamp	All Lamp On/Off		**Lamp**
			LAMP1 On/Off		
			LAMP2 On/Off		
			LAMP3 On/Off		
			LAMP4 On/Off		
		Reset	Total Reset		**Total Reset**
			Pan/Tilt Reset		**Pan/Tilt Reset**
			Color Reset		**Color Reset**
			Gobo Reset		**Gobo Reset**
			Strobe Reset		**Strobe Reset**
			The Others Reset		**The Others Reset**
		Channel	PAN=XXX......		**Channel Control**
	ADVANCED (Access Code 088)	Calibration	PAN=XXX......		**Calibration**
		Clear Lamp 1 Time	Yes/No		**Clear Lamp 1 Time**
		Clear Lamp 2 Time	Yes/No		**Clear Lamp 2 Time**
		Clear Lamp 3 Time	Yes/No		**Clear Lamp 3 Time**
		Clear Lamp 3 Time	Yes/No		**Clear Lamp 3 Time**

9 DMX CHANNELS

Mode/Channel		Function	Values	Description
16B	8B			
1	1	Pan	0-255	PAN Movement
2		Pan-fine	0-255	Fine control of Pan movement
3	2	Tilt	0-255	Tilt Movement
4		Tile-fine	0-255	Fine control of Tilt movement
5	3	Color wheel 1	0-3	Open / white
			4-7	White+Color 1
			8-11	Color 1
			12-15	Color 1 + Color 2
			16-19	Color 2
			20-23	Color 2 + Color 3
			24-27	Color 3
			28-31	Color 3 + Color 4
			32-35	Color 4
			36-39	Color 4 + Color 5
			40-43	Color 5
			44-47	Color 5 +Color 6
			48-51	Color 6
			52-55	Color 6 + Color 7
			56-59	Color 7
			60-63	Color 7 + Color 8
			64-67	Color 8
			68-71	Color 8 + Color 9
			72-75	Color 9
			76-79	Color 9 + Color 10
			80-83	Color 10
			84-87	Color 10 + Color 11
			88-91	Color 11
			92-95	Color 11 + Color 12
			96-99	Color 12
			100-103	Color 12 + Color 13
			104-107	Color 13
			108-111	Color 13 + Color 14
			112-115	Color 14
			116-127	Color 14 + White
			128-189	Forward rainbow effect from fast to slow
			190-193	Color roation stop
			194-255	Backwards rainbow effect from slow to fast