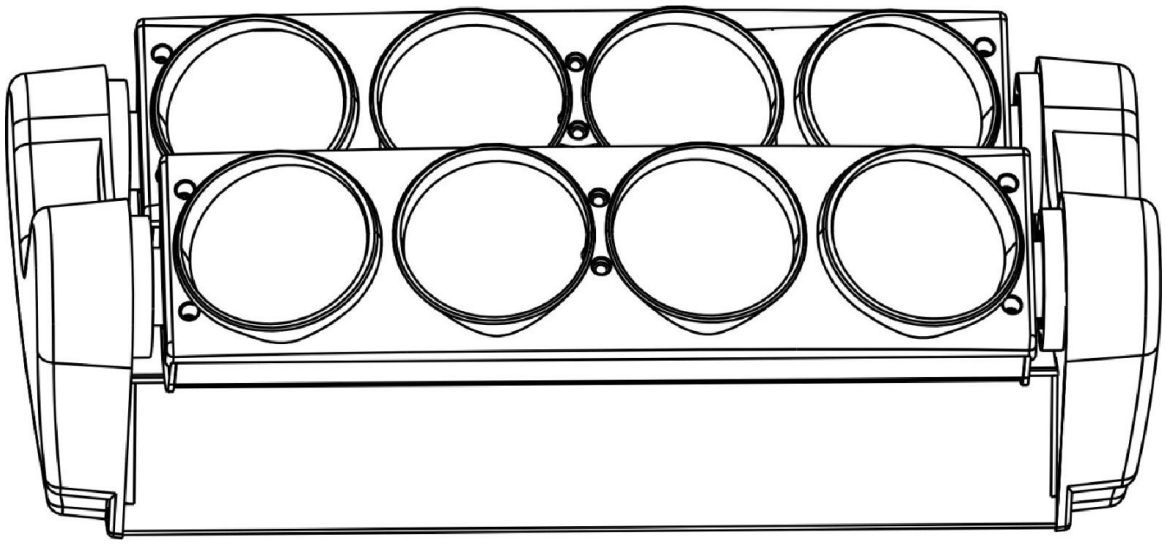


FLEX BEAM V8

User Manual

Please read the instruction carefully before use

CONTENTS

1. Safety Instructions

WARNING

Please read the instructions carefully which includes important information about the installation, operation and maintenance.

- PLEASE keep this User Manual for future consultation. If you sell the fixture to another user, make sure that they also receive this instruction booklet.
- PLEASE unpack and check carefully there is no transportation damage before using the fixture.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- PLEASE disconnect main power before servicing and maintenance.
- Maximum ambient temperature is Ta: 40℃. DO NOT operate it where the temperature is higher than this.
- Unit's surface temperature may reach up to 85℃. DO NOT touch the housing bare-handed during its operation.
- In the event of serious operating problem, stop using the fixture immediately. Never try to repair the fixture by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- DO NOT connect the device to any dimmer pack.
- DO NOT touch any wire during operation and there might be a hazard of electric shock.
- To prevent or reduce the risk of electrical shock or fire, do not expose the fixture to rain or moisture.
- The housing must be replaced if they are visibly damaged.

Warning

- To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
- DO NOT open the unit within five minutes after switching off.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

Caution:

For 230V 50Hz power supply, maximum fixtures that can be connected together from the same mains outlet is 8;
For 120V 60Hz power supply, maximum fixtures that can be connected together from the same mains outlet is 4;

Installation:

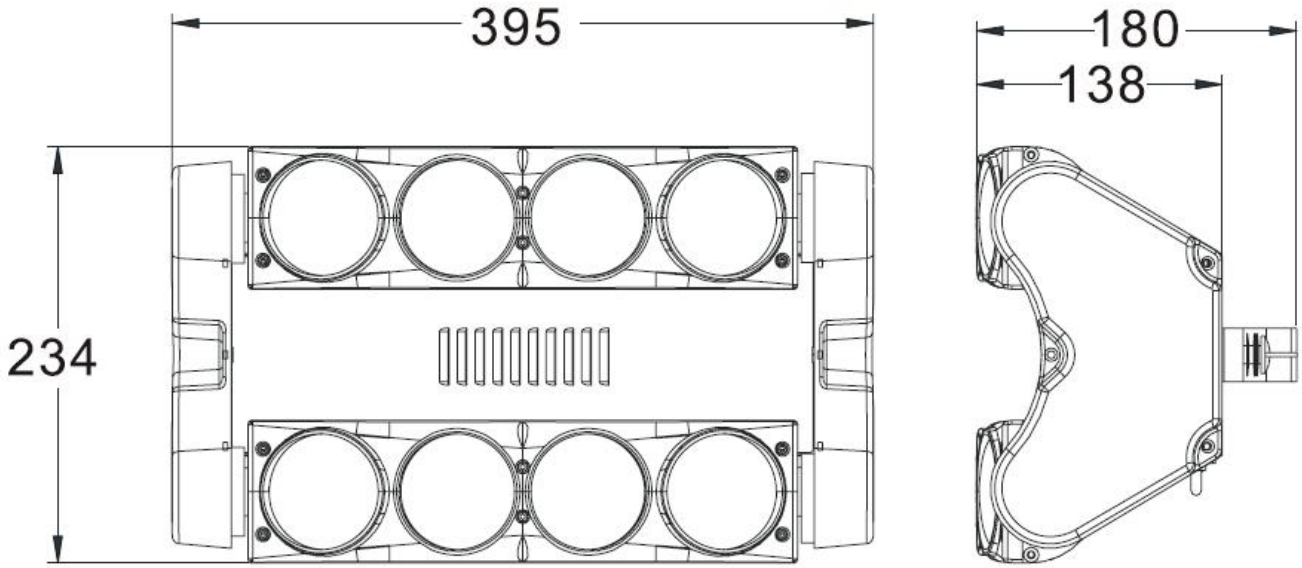
The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people and has no one pass by or under it.

2. Technical Specification

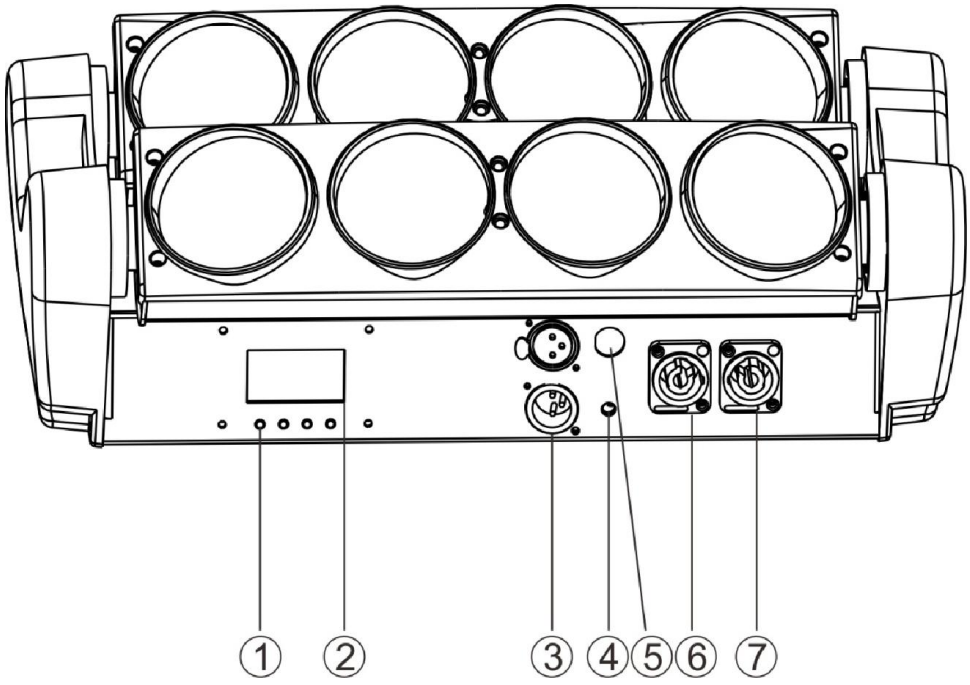
- Spider, an innovative, versatile pixel multi-beam effects, delivering outstanding, sharp and long-throw beams
- Featuring 2 movable LED bars, each with 4 pixel controlled 1 0 W LEDs for the best lighting performance you can ever except
- 3 Operation Modes: DMX, Mater/Slave mode, Sound Activation.
- DMX Channel modes: 1, 6, 12 channels
- Great built-in programs
- Electronic dimming and various strobe effects.
- Ideal for pubs, clubs, bars, parties, Mobile DJs and anywhere else you could possibly imagine
- **Input Voltage:** AC 100~240V, 50/60Hz
- **Power Consumption:** 90 W
- **LED:** 8 x 10W white LEDs
- **Dimension:** 395 x234 x138mm

- **Weight:** 4kgs



3. How To Set The Units

3.1 Rear Panel



1. Button:

FUNCTION	To return to the upper menu one by one
DOWN / UP	To browse or change through the various Setup Options and change values (Add or subtract).
ENTER	To select the functions, save your settings or enter the next menu

2. LCD Display Menu: Used to show the various menus and the selected functions;

3. DMX IN/OUT: For DMX512 links, use 3 - pin XLR plug cable to link the unit together;

4. Pothook: Used to hook the safety cable

5. Fuse (T 3.15A): Used to protect the unit from the damage of the over - current;

6. POWER IN: Used to connect to supply power;

7. POWER OUT: Used to connect to supply power to the next unit;

3.2 Main Function

To select any functions, press the **ENTER** button until the required function is showing on the display. Select the function by pressing the **ENTER** button and the display will blink. Use the **DOWN** and **UP** button to change the mode. Once the required mode has been selected, press the **ENTER** button to setup to go back to the functions without any changes press the **ENTER** button again. Press the **FUNCTION** button exit the menu mode.

The main functions are shown below:

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
BEAM-V8 Addr=001			
BEAM-V8 A=Auto			
BEAM-V8 M=Auto			
BEAM-V8 A=Music			
BEAM-V8 M=Music			
BEAM-V8 Slave			
Address	Address		

	=001		

Reset	Reset =NO		
	Reset =YES		
Manual	Manual Tilt 1	Tilt 1 =000	
	Manual Tilt 2	Tilt 2 =000	
	Manual Dimmer	Dimmer =000	
	Manual Strobe	Strobe =000	
Mode	Mode = DMX	DMX Mode Short	
		DMX Mode Standard	
		DMX Mode	
	Mode = Auto	Extended Auto Alone	
		Auto Master	
	Mode = Music	Music Alone	
		Music Master	
	Mode = Slave		
Option	Option Display	Display Delay Off	
		Display Always	
	Option Lost DMX	Lost DMX =Clear	
		Lost DMX =Hold	
Advanced	Advanced Code	Code =000	NOTE:008
	Advanced Adjust	Adjust Tilt 1	Tilt 1 =+000
		Adjust Tilt 2	Tili 2 =+000

		Adjust Dimmer 1	Dimmer 1 =+000
		Adjust Dimmer 2	Dimmer 2 =+000
		Adjust Dimmer 3	Dimmer 3 =+000
		Adjust Dimmer 4	Dimmer 4 =+000
		Adjust Dimmer 5	Dimmer 5 =+000
		Adjust Dimmer 6	Dimmer 6 =+000
		Adjust Dimmer 7	Dimmer 7 =+000
		Adjust Dimmer 8	Dimmer 8 =+000
	Advanced Mic Sens	Mic Sens =080%	
View	View Hours	Hours =00000 H	Reset H =NO
			Reset H =YES
	View Dmx Value	CH = 001 DMX= 000	
	View Version	=1.00F YYYY.MM	
Default	Load Def =NO		
	Load Def =YES		

4. How to control the units

You can operate the unit in two ways:

1. By master/slave built-in preprogram function
2. By DMX controller

No need to turn the unit off when you change the DMX address, as new DMX address setting will be affected at once. Each time you turn the unit on, it will show “Stage Light” on the display. After that the unit will be ready to receive DMX signal or run the built in programs.

4.1 Master/Slave Built In Preprogrammed Function

By linking the units in master/slave connection, the first unit will control the other units to give an automatic, sound activated, synchronized light show. This function is good when you want an instant show. You have to set the first unit in AUTO mode and select "Master". The other units will have to select "Slave" mode, their DMX cables plugged into the DMX input jacks (daisy chain).

4.2 DMX Controller

Using a universal DMX controller to control the units, you have to set DMX address from 1 to 512 channel so that the units can receive DMX signal. Press the **ENTER** button up to when the "Address" is showing on the display. Use **DOWN** and **UP** button to change the DMX512 address. Once the address has been selected, to go back to the functions without any change press the **FUNCTION** button again.

Please refer to the following diagram to address your DMX512 channel for the first 4 units.

1 CHANNEL MODE: **1, 2, 3, 4**

6 CHANNEL MODE: **1, 7, 13, 19**

12 CHANNEL MODE: **1, 13, 25, 27**

5. DMX512 Configuration

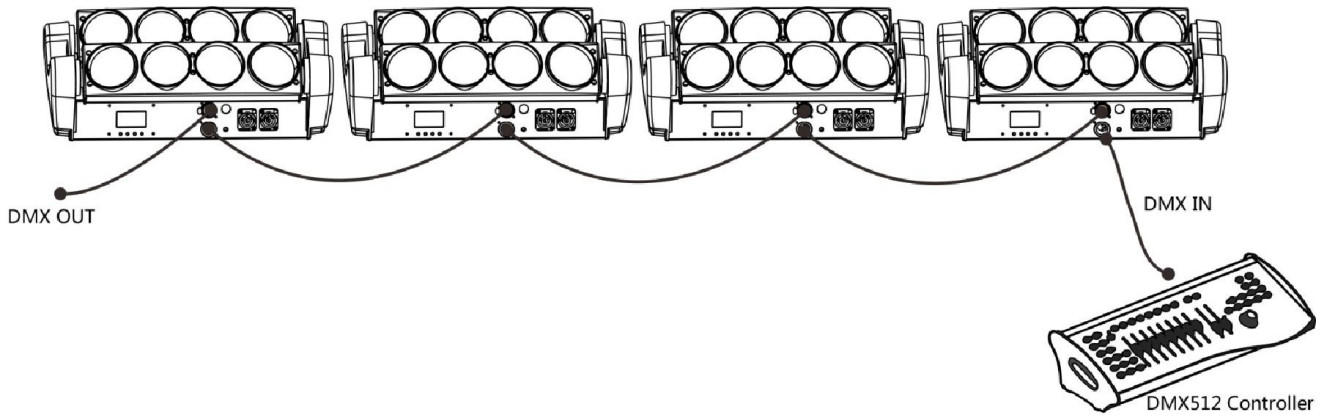
SHORT MODE （1 CH）					
Number	Channel	DMX Value			Description
1	SHOW	0	-	7	Blackout
		8	-	69	Show1 from slow to fast
		70	-	131	Show2 from slow to fast
		132	-	193	Show3 from slow to fast
		194	-	255	Show4 from slow to fast

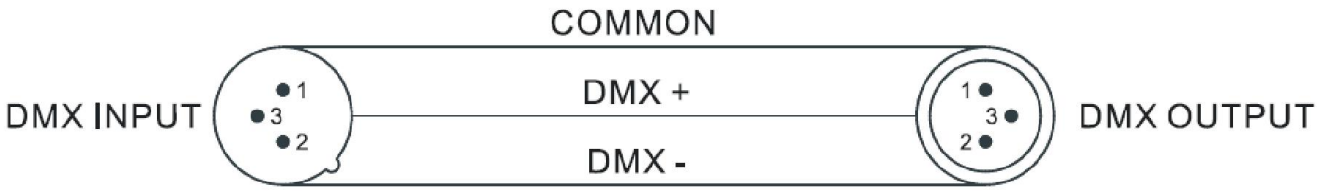
STANDARD MODE（7 CHs）					
Number	Channel	DMX Value			Description
1	Tilt 1	0	-	255	Tilt 1 move 15 to 165 degree
2	Tilt 2	0	-	255	Tilt 2 move 15 to 165 degree
3	Dimmer All	0	-	255	All dimmer 0 to 100%
4	Strobe	0	-	9	Blackout
		10	-	250	Strobe from slow to fast
		251	-	255	Open

5	Led chase	0	-	7	Blackout
		8	-	22	Chase 1
		23	-	37	Chase 2
		38	-	52	Chase 3
		53	-	67	Chase 4
		68	-	82	Chase 5
		83	-	97	Chase 6
		98	-	112	Chase 7
		113	-	127	Chase 8
		128	-	142	Chase 9
		143	-	157	Chase 10
		158	-	172	Chase 11
		173	-	187	Chase 12
		188	-	202	Chase 13
		203	-	217	Chase 14
		218	-	232	Chase 15
		233	-	247	Chase 16
		248	-	255	Full on
6	Chase speed	0	-	255	Speed from slow to fast

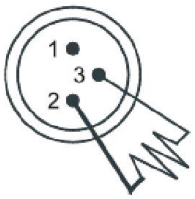
EXTENTED MODE（13 CHs）					
Number	Channel	DMX Value			Description
1	Tilt 1	0	-	255	Tilt 1 move 15 to 165 degree
2	Tilt 2	0	-	255	Tilt 2 move 15 to 165 degree
3	Dimmer All	0	-	255	All dimmer 0 to 100%
4	Strobe	0	-	9	Blackout
		10	-	250	Strobe from slow to fast
		251	-	255	Open
5	Led1	0	-	255	Dimmer LED1 from 0 to 100%
6	Led2	0	-	255	Dimmer LED2 from 0 to 100%
7	Led3	0	-	255	Dimmer LED3 from 0 to 100%
8	Led4	0	-	255	Dimmer LED4 from 0 to 100%
9	Led5	0	-	255	Dimmer LED5 from 0 to 100%
10	Led6	0	-	255	Dimmer LED6 from 0 to 100%
11	Led7	0	-	255	Dimmer LED7 from 0 to 100%
12	Led8	0	-	255	Dimmer LED8 from 0 to 100%

6. DMX Connection





Termination reduces signal errors and to avoid signal transmission problems and interference. It is always advisable to connect a DMX terminal.
(Resistance 120 ohm 1/4W)between pin2(DMX-)and pin3(DMX+) of the last fixture.



1. Connect the fixture together in a “daisy chain” by XLR plug cable from the output of the fixture to the input of the next fixture. The cable cannot be branched or split to a “Y” cable. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system
2. The DMX output and input connectors are pass-through to maintain the DMX circuit when one of the units’ power is disconnected.
3. At last fixture, the DMX cable has to be terminated with a terminator to reduce signal errors. Solder a 120-ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.
4. Each lighting fixture needs to have an address set to receive the data sent by the controller. The address number is between 0-511 (usually 0 & 1 are equal to 1).
5. 3 pin XLR connectors are more popular than 5 pins XLR.

   3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)

7. Troubleshooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The fixture does not work, no light

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.

B. Not responding to DMX controller

1. Check DMX connectors, cables to see if link properly.
2. Check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the fixture or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C. No response to the sound

1. Make sure the fixture does not receive DMX signal.
2. Check microphone to see if it is good by tapping the microphone.

D. One of the channels is not working well

1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor's drive IC on the PCB might be out of condition.

8. Fixture Cleaning

The cleaning must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

- Clean with soft cloth using normal glass cleaning fluid.
- Keep the lights and parts at dry condition.