



Moving Spider

USER MANUAL



Model: LM0910

Moving Spider After service


Product warranty card

Please fill in the following content properly
future maintenance. Accordingly, for your each purchase of our systems we
have archive Serial number and parameters for future reference.

Testing <input type="checkbox"/>	warranty: <input type="checkbox"/>	non -warranty : <input type="checkbox"/>
Mode:		Serial No. :
Distributor :		Address :
Tel:		
<p>About Product Warranty</p> <p>1. Any product buy from our company (or authorized agent), which used properly, and with this card, can have 1 year warranty for Lights, mechanical parts, electronic parts. If out of the warranty situation, we can provide the paid maintenance service.</p> <p>2. The warranty is no longer valid in the following situations:</p> <ul style="list-style-type: none">* Warranty cards and products have no serial numbers.* Product is damaged or show significant signs of self-disassembly.* Any unauthorized modification (removal or replacement) made to product or it's components.* Improper or excessive use of inappropriate repairs which result in a repair failure or injury.* Did not follow instructions or use in an environment not suitable for product.* Product damage caused by strong impact* The warranty cannot be extended if the product as been serviced* Light Source normal degradation* Warranty card must be filled out with receipt of purchasing in order for the warranty to be valid.* Product is damaged due to abnormal voltage or caused by other accidents (ex. Natural disasters). <p>3. The Company reserves the right to interpret the provisions above. The content of these articles is subject to change without notice!</p>		

LM0910 User Manual

Attention

1. Do not look directly at the bulb while the light is on
2. Follow the instructions. Do not disassemble the unit by yourself. Please contact the skilled people in the event of a operating problem.
3. The unit shall be installed by professionals
4. Place the unit away from the strobe light
5. Keep the unit dry. Do not expose the unit to rain, moisture or dust. Waterproof protection is needed when the unit is exposed outdoors
6. Do not touch the unit and pull the power cable with wet hand
7. Do not turn on or off the unit frequently. Otherwise, the service time will be affected. Besides, keeping working for a long time should be avoided.
8. Fixed installation to prevent the unit from strong vibration or shock.
9. Prevent foreign objects from entering the unit to avoid malfunction.
10. Keep the distance between the unit and the objects in the lighting 50CM at least.
11. Do not connect the power cable or turn on the light before installation.
12. Make sure the plug has been wired up properly before being powered on.
13. Use the original shake-proof packing for re-transportation.
14.  This symbol indicates separate collection of electronics and electronic equipment

The Company reserves the right to interpret the above terms.

Inspection

In order to use the product securely and properly, please read the manual before using and follow the instructions strictly to prevent personal safety trouble and product damage caused by misuse.

Take care of the product, check the possibility of the product damage caused by transportation and check all the listed items are present upon receipt of the product.

1 x Nine LED Spider Light 1 x User manual
1 x Power cable

Warning

Don't touch the lamp when operation to prevent burns

Don't operate the unit without lamp shade or with lamp case damage

C. Not response to the sound

1. Make sure the fixture 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 service

Fixture Cleaning

The cleaning must be carried out periodically to optimize light cleaning frequently.

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.

*Always dry the parts carefully.

*Clean the external optics at least every 30 days.

Declare

The unit is with good performance and complete package when it is delivered. The end-user of this unit should follow all the above instructions and warnings. Any damage caused by misuse, malfunction and problem caused by ignoring the instructions are not included in the repair guarantee of the manufacturer or dealers.

All the products manufactured by Big Dipper Laser Science and Technology CO., Ltd have anti-fake logo. Please check the anti-fake logo to make sure it's original to protect you. The anti-fake logo is on the bottom of product.

4. Each lighting fixture has an address set to receive the data sent by the controller. The address number is between 0-511 (Usually 0&1 equals to 1)
5. 3 pin XLR connectors are more popular than 5pin XLR.
 - 3 pin XLR: Pin 1: GND, Pin 2: Negative signal(-), Pin 3: Positive signal(+)
 - 5 pin XLR: Pin 1: GND, Pin 2: Negative signal(-), Pin 3: Positive signal(+), Pin 4/Pin 5: not in use

Troubleshooting

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

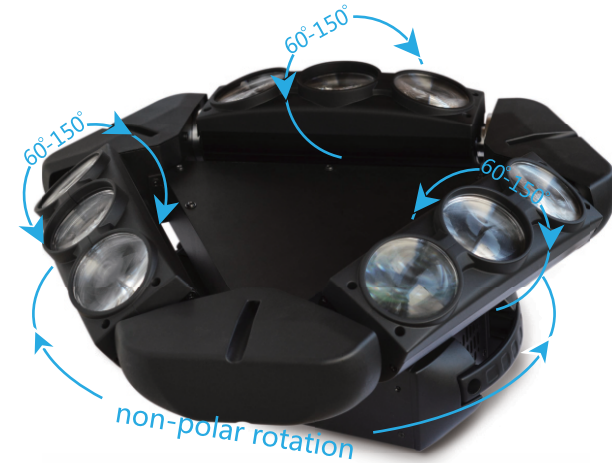
A. The fixture does not work, no light

1. Check the connection of power and main fuse
2. Make sure the mains voltage on the main connector
3. Check the power LED

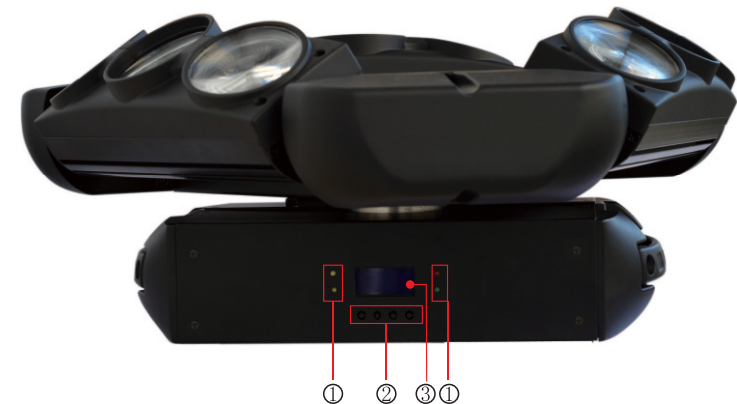
Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, 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.

Structure



OPERATION PANEL



Function Display: Used to show the Menu and the selected functions

① LED light

DMX	ON	DMX IN
MASTER	ON	MASTER MODE
SLAVE	ON	SLAVE MOD
SOUND	BLIN	Sound activated

② Function Buttons

MENU /ESC	To select the programming functions/ESC
DOWN	To go backward in the selected functions
UP	To go forward in the selected functions
ENTER	To confirm the selected functions

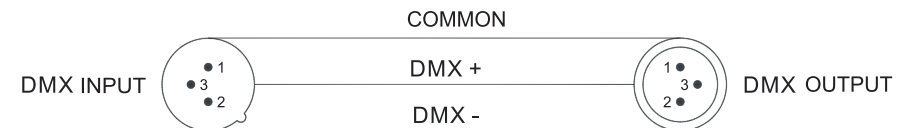
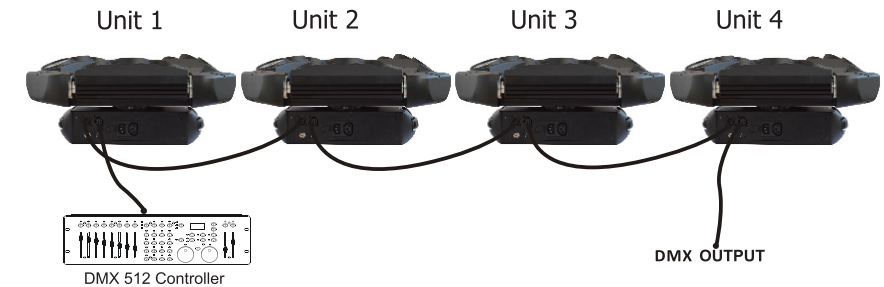
③ **Function Display:** Used to show the Menu and the selected functions



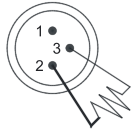
Function buttons on back panel

- ① DMX IN: For DMX512 links, use 3 pin XLR plug cable to link the unit together
- ② DMX OUT: For DMX512 links, use 3 pin XLR plug cable to link the unit together
- ③ Signal no function
- ④ Microphone: Used to receive music for the sound activation
- 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.

DMX Connection



Termination reduces signal errors and 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. 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.
2. 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 can't be branched or split to a "Y" cable.
3. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system. The DMX output and input connectors are pass through to maintain the DMX circuit when one of the units' power is disconnected.

Function	Value	10-CH mode	43-CH mode	16-CH mode
Led9 Color	Same as above			16
Led 1 Red	000-255 Dimmer 0-100%		8	
Led 1 Green	000-255 Dimmer 0-100%		9	
Led 1 Blue	000-255 Dimmer 0-100%		10	
Led 1 White	000-255 Dimmer 0-100%		11	
Led 2 Red	000-255 Dimmer 0-100%		12	
Led 2 Green	000-255 Dimmer 0-100%		13	
Led 2 Blue	000-255 Dimmer 0-100%		14	
Led 2 White	000-255 Dimmer 0-100%		15	
Led 3 Red	000-255 Dimmer 0-100%		16	
Led 3 Green	000-255 Dimmer 0-100%		17	
Led 3 Blue	000-255 Dimmer 0-100%		18	
Led 3 White	000-255 Dimmer 0-100%		19	
Led 4 Red	000-255 Dimmer 0-100%		20	
Led 4 Green	000-255 Dimmer 0-100%		21	
Led 4 Blue	000-255 Dimmer 0-100%		22	
Led 4 White	000-255 Dimmer 0-100%		23	
Led 5 Red	000-255 Dimmer 0-100%		24	
Led 5 Green	000-255 Dimmer 0-100%		25	
Led 5 Blue	000-255 Dimmer 0-100%		26	
Led 5 White	000-255 Dimmer 0-100%		27	
Led 6 Red	000-255 Dimmer 0-100%		28	
Led 6 Green	000-255 Dimmer 0-100%		29	
Led 6 Blue	000-255 Dimmer 0-100%		30	
Led 6 White	000-255 Dimmer 0-100%		31	
Led 7 Red	000-255 Dimmer 0-100%		32	
Led 7 Green	000-255 Dimmer 0-100%		33	
Led 7 Blue	000-255 Dimmer 0-100%		34	
Led 7 White	000-255 Dimmer 0-100%		35	
Led 8 Red	000-255 Dimmer 0-100%		36	
Led 8 Green	000-255 Dimmer 0-100%		37	
Led 8 Blue	000-255 Dimmer 0-100%		38	
Led 8 White	000-255 Dimmer 0-100%		39	
Led 9 Red	000-255 Dimmer 0-100%		40	
Led 9 Green	000-255 Dimmer 0-100%		41	
Led 9 Blue	000-255 Dimmer 0-100%		42	
Led 9 White	000-255 Dimmer 0-100%		43	

Technical Specification

Model	LM0910
Parameters	
LED source	9 x 10 W RGBW LEDs
Power supply	AC 100~240V, 50/60Hz
Rated power	100W
Control mode	DMX/Master-slave/sound
DMX Channel	10/16/43
Max link Qty	120V/60Hz : 6 pcs; 230V/50Hz : 10 pcs
N.G./G.W.	9/10.2KGS
Standard	Power cablex1, handle x1, screwx2, use
Effect	Great built-in programs under master/slave operation triggered by music.Electronic dimming and various strobe effects.Unique design,3 movable led bars,great multi-beam effects and perfect for bar,pub,club,disco,mobile DJ,private parties and more operating environments.

Main function

To select any functions,press the MENU 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 set up to go back to the functions without any changes press the MENU button again.Hold and press the MENU button for one second to exit the menu mode.

显示功能

DMX Address	1-512
Channel Mode	10 channel 16 channel 43 channel
Slave Mode	Master-Slave1 - Slave2
Show Mode	Show 0 - Show 8
Sound State	On - Off
Sound Sense	0 - 100
Black Out	No –Yes
Back Light	On - Off
Pan Inverse	No-Yes
Tilt1 Inverse	No - Yes
Tilt2 Inverse	No - Yes
Tilt3 Inverse	No - Yes
Auto Test	Auto Test
Fixture Hours	0 -9999
Software Version	Ver1.0 – Boot1.0
Reset	

Function	Value	10-CH mode	43-CH mode	16-CH mode
Led 1 Color	000-003 Off			8
	004-007 Red			
	012-019 Green			
	020-027 Blue			
	028-035 White			
	036-043 Color 5			
	044-051 Color 6			
	052-059 Color 7			
	060-067 Color 8			
	068-075 Color 9			
	076-083 Color 10			
	084-091 Color 11			
	092-099 Color 12			
	100-107 Color 13			
	108-115 Color 14			
	116-123 Color 15			
	124-131 Color 16			
	132-139 Color 17			
	140-147 Color 18			
	148-155 Color 19			
	156-163 Color 20			
	164-171 Color 21			
	172-179 Color 22			
	180-187 Color 23			
	188-195 Color 24			
	196-203 Color 25			
	204-211 Color 26			
	212-219 Color 27			
	220-227 Color 28			
	228-235 Color 29			
	236-243 Color 31			
	244-251 Color 32			
	252-255 Color 33			
Led 2 Color	Same as above			9
Led 3 Color	Same as above			10
Led 4 Color	Same as above			12
Led 5 Color	Same as above			12
Led 6 Color	Same as above			13
Led 7 Color	Same as above			14
Led 8 Color	Same as above			15

Function	Value	10-CH mode	43-CH mode	16-CH mode
Led Color	088-091 Color 22	8		
	092-095 Color 23			
	096-099 Color 24			
	100-103 Color 25			
	104-107 Color 26			
	108-111 Color 27			
	112-115 Color 28			
	116-119 Color 29			
	120-123 Color 30			
	124-127 Color 31			
	128-131 Color 32			
	132-144 Color A			
	145-157 Color B			
	158-170 Color C			
	171-183 Color D			
	184-196 Color E			
	197-209 Color F			
	210-222 Color G			
	223-235 Color H			
	236-248 Color I			
	249-255 Color J			
Led Chase	000-007 Blackout	9		
	008-022 Chase 01			
	023-037 Chase 02			
	038-052 Chase 03			
	053-067 Chase 04			
	068-082 Chase 05			
	083-097 Chase 06			
	098-112 Chase 07			
	113-127 Chase 08			
	128-142 Chase 09			
	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 FullOn			
Led Chase Speed	Speed Slow to Fast			

DMX 512 Address

To select the DMX menu,press the ENTER button to show the DMX ADDRESS on the display.Use the DOWN/UP button to adjust the address from 1 to 512.Once the address has been selected,press the ENTER button,to go back to the functions without any change.

Channel Mode

To select the Channel mode menu,press the ENTER button to show the DMX Channel mode on the display.Use the DOWN/UP button to select the 10,16 or43 channel modes.Once the mode has been selected,press the ENTER button to setup,to go back to the functions without any changes press the MENU button again.Hold and press the MENU button for one second to exit the menu mode.

Slave Mode

To select slave mode menu,press the ENTER button to show the SLAVE MODE on the display.Use the DOWN/UP button to select the MASTER,SLAVE1,SLAVE2 modes.Once the mode has been selected,press the ENTER button to setup,to go back to the functions without any changes press the MENU button again.Hold and press the MENU button for one second to exit the menu mode.

Show Mode

To select the SHOW MODE menu,press the ENTER button to show the SHOW MODE on the display.Use the DOWN/UP button to select the SHOW0(Random show),SHOW1...SHOW8.Once the mode has been selected,press the ENTER button to set up,to go back to the functions without any changes press the MENU button again.Hold and press the MENU button for one second to exit the menu mode.

Sound State

To select the SOUND MODE, press the ENTER button to show the SOUND MODE on the display. Use the DOWN/UP button to select the ON(sound on) or OFF(sound off) mode. Once the mode has been selected, press the ENTER button to setup, to go back to the functions without any changes press the MENU button again. Hold and press the MENU button for one second to exit the menu mode.

Black Out

To select the BLACK OUT MODE, press the ENTER button to show the BLACK OUT MODE on the display. Use the DOWN/UP button to select NO(blankout) or OFF(normal) mode. Once the mode has been selected, press the ENTER button to setup, to go back to the functions without any changes press the MENU button again. Hold and press the MENU button for one second to exit the menu mode.

Back Light

To select the BLACK OUT MODE, press the ENTER button to show the BLACK OUT MODE on the display. Use the DOWN/UP button to select NO(blankout) or OFF(normal) mode. Once the mode has been selected, press the ENTER button to setup, to go back to the functions without any changes press the MENU button again. Hold and press the MENU button for one second to exit the menu mode.

LED DISPAY


To select the , press the ENTER button to show the LED DISPLAY on the display. Use the DOWN/UP button to select the (LED on) or (LED off) mode. Once the mode has been selected, press the ENTER button to setup, to go back to the functions without any changes press the MENU button again. Hold and press the MENU button for one second to exit the menu mode.

DMX512

Function	Value	10-CH mode	43-CH mode	16-CH mode
Pan Roll	000-015 No effect	1	1	1
	016-133 Left roll fast to slow			
	134-138 Roll stop			
	139-255 Right roll fast to slow			
Pan movement	000-255 Tilt movement 0° - 540°	2	2	2
Tilt1 movement	000-255 Tilt movement 60° - 150°	3	3	3
Tilt2 movement	000-255 Tilt movement 60° - 150°	4	4	4
Tilt3 movement	000-255 Tilt movement 60° - 150°	5	5	5
Master dimmer	000-255 Master dimmer 0-100%	6	6	6
Strobe	000-007 No function	7	7	7
	008-131 Strobe, slow to fast			
	132-139 No function			
	140-181 No function			
	182-189 No function			
	190-231 No function			
	232-239 No function			
	240-247 Strobe by random			
	248-255 No function			
Led Color	000-003 Off	8		
	004-007 Red			
	008-011 Green			
	012-015 Blue			
	016-019 White			
	020-023 Color 5			
	024-027 Color 6			
	028-031 Color 7			
	032-035 Color 8			
	036-039 Color 9			
	040-043 Color 10			
	044-047 Color 11			
	048-051 Color 12			
	052-055 Color 13			
	056-059 Color 14			
	060-063 Color 15			
	064-067 Color 16			
	068-071 Color 17			
	072-075 Color 18			
	076-079 Color 19			
	080-083 Color 20			
	084-087 Color 21			

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 MENU button up to when the  is showing on the display. Press ENTER

Button and the display will blink. Use DOWN/UP button to change the DMX address













Once the address has been selected, press and keep ENTER button pressed up to when

The display stops blinking or storing automatically 7 seconds later. To go back

To the functions without any change press the MENU button again.

Please refer to the following diagram to address your DMX512 channel for

The first 3 units

CHANNEL MODE 10:				
CHANNEL MODE 16:				
CHANNEL MODE 43:				

Pan Inverse

To select the Pan Inverse menu, press the ENTER button to show the PAN INVERSE on the display. Use the DOWN/UP button to select the NO (PAN inverse) or YES(normal) mode. Once the mode has been selected, press the ENTER button to setup, to go back to the functions without any changes press the MENU button again. Hold and press the MENU button for one second to exit the menu mode.

Tilt1 Inverse

To select the Tilt1 Inverse menu, press the ENTER button to show the TILT 1 INVERSE on the display. Use the DOWN/UP button to select the NO (tilt 1 inversion) or YES(normal) mode. Once the mode has been selected, press the ENTER button to setup, to go back to the functions without any changes press the MENU button again. Hold and press the MENU button for one second to exit the menu mode.

Tilt2 Inverse

To select the Tilt2 Inverse menu, press the ENTER button to show the TILT 2 INVERSE on the display. Use the DOWN/UP button to select the NO (tilt 2 inversion) or YES(normal) mode. Once the mode has been selected, press the ENTER button to setup, to go back to the functions without any changes press the MENU button again. Hold and press the MENU button for one second to exit the menu mode.

Tilt3 Inverse

To select the Tilt3 Inverse menu, press the ENTER button to show the TILT3 INVERSE on the display. Use the DOWN/UP button to select the NO (tilt3 inversion) or YES(normal) mode. Once the mode has been selected, press the ENTER button to setup, to go back to the functions without any changes press the MENU button again. Hold and press the MENU button for one second to exit the menu mode.

Auto Test

To select the Auto test menu, press the ENTER button to confirm and the unit will run a self - test. To go back to the functions without any changes

press the MENU button again. Hold and press the MENU button for one second to exit the menu mode.

Fixture Hours

To select the Fixture Hours menu , press the ENTER button to confirm and the display will show the number of working hours of the unit . To go back to the functions without any changes press the MENU button again. Hold and press the MENU button for one second to exit the menu mode.

Software Version

To select the Software Version , press the ENTER button to show the SOFTWARE VERSION on the display and the display will show the version of software of the unit . To go back to the functions without any changes press the MENU button again. Hold and press the MENU button for one second to exit the menu mode.

Reset

To select the Reset , press the ENTER button to show the RESET on the display. Press the ENTER button and all channels of the unit will return to their standard position.

How to Control the Unit

You can operate the unit in three ways:

1. By master/slave built - in preprogram function
2. By easy controller
3. 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 " " on the display. After that the unit will be ready to receive DMX signal or run the built in programs.

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 master mode and select **Show 0** (random show), **Show 1** or ...or **Show 6**. Its DMX input jack will have nothing plugged into it, and its master LED will be constantly on and sound LED will flash to the music. The other units will have to select **Slave1** (normal) or **Slave2** (2 light show) mode, Their DMX cables plugged into the DMX input jacks (daisy chain) and the slave LED lights will be constantly on.

