

Hosen lighting Technology Limited



7X12W LED Moving Head Beam Light

User Manual

HS-LMB712



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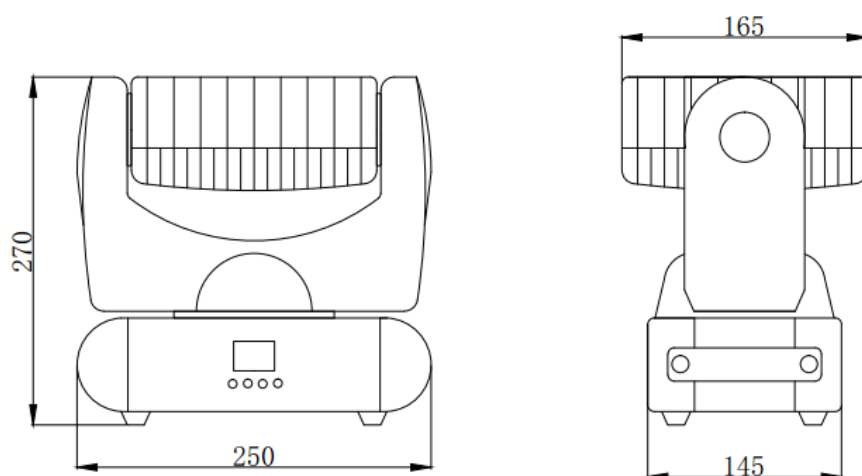
Contents

Contents	1
1. Packing List	1
2. Schematic Diagram.....	1
3. Product Features	2
4. Specifications	2
4.1. Physical Specifications	2
4.2. Electrical Specifications	2
4.3. Other Specifications	2
5. Installation Method.....	3
5.1. Installation Steps	3
5.2. Fixture Linking.....	3
5.3. AC Power	3
6. Technical Support.....	3
7. Notice.....	3
8. Disclaimer.....	4
9. Amendment Log.....	4
10. Appendix	5
10.1. LED Display Explanation	5
10.2. DMX Channel Explanation.....	9

1. Packing List

- 10W7Leds Moving Head Light 1 pcs
- User Manual 1 pcs

2. Schematic Diagram



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3. Product Features

- TFT LCD , gorgeous interface and simple operation
- Chinese and English language switching , convenient to different user actions
- 65536 brightness level , true 16-bit dimming to eliminate the jitter problem of 8-bit dimming in low brightness , dimming softer
- Unlimited programming effects
- Special lighting effect
- No technical experience required
- Quick and easy installation
- Sealed for long, durable lifetime
- No bulbs to replace
- Indoor use in well temperate rooms

4. Specifications

4.1. Physical Specifications

Item No.: HS-LMB712
Size: 250x165x270mm
Net Weight: 5.3Kg
Gross Weight: 6.3Kg
Beam: □13°
Color: Black
Material: Plastic and iron

Package Size: 370x330x225mm
Control mode: Auto-run mode, DMX-512 mode, Sound active mode
DMX Channels: **11 / 15** CH
Protect Level: IP20
Working Temperature: -25℃~+35℃

4.2. Electrical Specifications

Max power consumption: 96W
Voltage: AC 100-240V 50/60Hz
Service Life: 50000hour
Gray Level: 256

4.3. Other Specifications

Intelligent temperature control
Over heat protection ·

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5. Installation Method

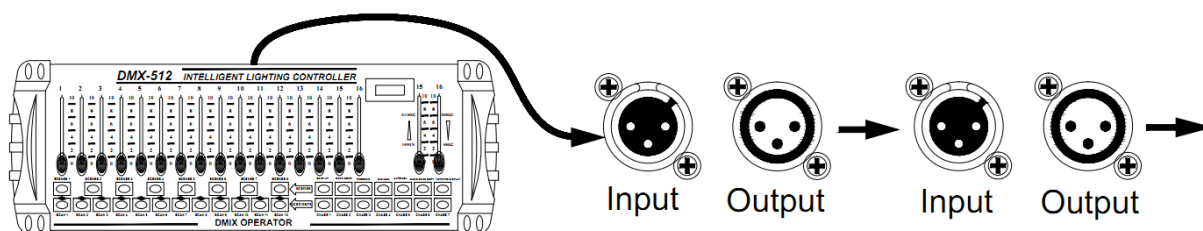
5.1. Installation Steps

1. Please hand this light into the suitable place with suitable angel (if operate the light in external place, please remember to get some water-proof cover to protect them.).
2. To connect the signal cable, plug one side into IN socket in the back of light and plug another side into OUT signal connector in the DMX 512 board(signal input: 1=>Ground, 2=>Data, 3=>data+).
3. To connect the cable and put into power, them the light stay in the status to receive the operation signal like : Music, Automatic, DMX512ect. Take note: Please out off the power line if you will not operate it for a certain time.

5.2. Fixture Linking

To run your light shows of one or more fixtures using DMX-512 controller or to run synchronized shows on two or more fixtures in master/slave operating mode , you need DMX cables to link the units from DMX IN to DMX OUT.

Notice: the length of signal cables should be within 100meters, to prevent the signal interference by other appliances because of the long signal cables.



5.3. AC Power

The fixture is designed to work on 100-240V 50/60Hz. Before applying power to a unit, check that the source voltage matches the unit's requirement.

6. Technical Support

Support Telephone: +86-20-37707017

Support Email: support@hosenlighting.com (QQ、MSN as same)

Website: <http://www.hosenlighting.com>

Working Time: (BeiJing Time)

Monday to Friday 08:00~12:00 13:30~17:30 18:30~20:30

Saturday 09:00~12:00 13:30~17:00

Note: all the rest of China's holidays!

7. Notice

In order to make sure the product is used well, please read the Manual carefully!

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- ★ If the product not been used for long time, please keep it under normal temperature environment, to avoid damage the element through too dry or too wet environment.
- ★ Don't use the product under very hot,cold,dusty or damp environment. Please make sure the temperature of the environment is not high than 35 centi degree.
- ★ During usage, don't drop the product or make friction or collide with hard material. Otherwise the surface of the product may be scuffed and the hardware may by damaged.
- ★ Do your best to make sure don't use the product under very dry environment to avoid static.
- ★ When installing or moving the product, please protect the lens of the head, to avoid scuff and damage.
- ★ Avoiding water drop on the product.
- ★ When using the product, don't look at the light directly. This will hurt your eyesight.
- ★ In order to guarantee the product's life, please don't put it in the damp places or even the environment over 60degress.
- ★ Always mount this unit in safe and stable matter.
- ★ Install or dismantle should operate by professional engineer.
- ★ Using lamp, the change rate of power voltage should be within $\pm 10\%$. If the voltage is too high, it will shorten the light's life; if it's not enough, will inflence the effect.

8. Disclaimer

While every care has been taken with the details on this specification sheet, we take no responsibility for any inaccuracies caused during installation. We reserve the right to change these specifications without notice to always ensure that the customer is receiving a superior product.

9. Amendment Log

- 2013-08-02 The first Version created.

10. Appendix

10.1. LED Display Explanation



Description:

- ◆ CodeWheel is disabled , reset timeout , error indicator lights
- ◆ When the light received the signal of the console or host signal ,the signal light is blinking
- ◆ Control menu through the keyboard

Address	001-512	
RunMode	DMX 15Ch / 11Ch	
	Auto1-Auto8	
	Sound	
	Pan	000-255
TestMode	Tilt	000-255
	Red	000-255
	Green	000-255
	Blue	000-255
	White	000-255
	中文	
Language	English	
Setup	IdCode	000-025
	PanReverse	ON /OFF
	TiltReverse	ON /OFF
	FaderDelay	ON /OFF
	SignalLink	ON /OFF
	CodeWheel	ON /OFF
	TempSwitchSet	ON /OFF

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SysInfo	TemperatureSet	050-120
	ScreenSaver	OFF /MODE1 /MODE2
	DisplayReverse	ON /OFF
	FactorySet	Yes / No
	Reset	Yes / No
	MotorxOffset	+000-255
	MotoryOffset	+000-255
	OnTime	00H00M00S
	Runtime	00000H00M
	Ver	
	RunningMode	DMXMode /AutoMode/ SoundMode
	DmxAddress	001-512
	Temperature	000

↩ **Main menu**

Keys control the cursor; press the "Enter " button to enter the settings.

↩ **Submenu**

Submenu inclusive of address setting, run mode, text mode, language setting, advance mode, system information module, press the up/ down button to choose and then press Enter button to enter the setting.

- 1) **Address:** Press "Enter" to save the address after setting , press "Back" to return main menu without saving address.
- 2) **RunMode:** Running mode has 3 : DMX mode, auto-run mode, sound control module .As Picture 1 show, " √ " says that relative mode is running .
 - **DMX :** Fixture can be run follow DMX console or host fixture according single is either from DMX console or host fixture.
 - **Auto:** Fixture run automatically.
 - **Sound:** fixture can't be as host fixture, If fixture is being running as sound mode .

RunMode		
Dmx	√	15ch
Auto		Auto1
Sound		

Picture 1

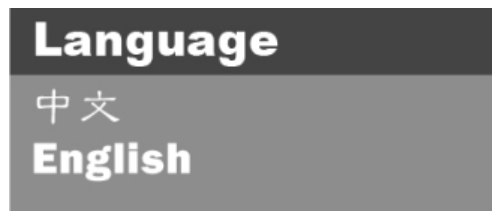
- 3) **TestMode:** Test mode is for "Pan" &"Tilt" adjustment , also , it is used for R/G/B/W brightness adjustment(such function is same with 6th Channel while running on DMX mode). When press button "return" , fixture will go back to previous running mode.

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TestMode	
Pan	000
Tilt	000
Red	000
Green	000
Blue	000
White	000

Picture 2

- 4) **Language:** Choose your favor language , Chinese(中文) or English.



Picture 3

5) Setup:

- **IdCode:** IdCode is effective when fixture is in the 15th channel while being controlled by DMX console. Other channel will function when the 15 channel value >9 & IdCode is same with first & second number of channel value .
- **PanReverse:**
- **TiltReverse:**
- **FaderDelay:** Later open the faderdelay function, the console putter dimmer will be soft. the faderdelay function can be choose whether to activate on the console.
- **SignalLink:** Indicator lamp will flash if fixture receive signal from DMX controller , otherwise , indicator lamp will keep lighting steadily.
- **CodeWheel:** When the CodeWheel is closed, it will be disable and not able to record right position of "X","Y",while fixture is under reset or being running on other mode . While recover from Error , reset will be biggest distance reset.
- **TempSwitchSet:** Temperature protect setting
- **TemperatureSet:** Brightness of light will be 1/2 of original after fixture's temperature is higher than stander.
- **ScreenSaver:** Set into close or mode 1 or mode2. Close: The lamp can't enter screen protect state. Mode1: Clear the screen after screen presentation. Mode 2: Large front display current address code. When in the screen protect state, press any key will exit and return the main menu.
- **DisplayReverse:** Screen upside down.
- **FactorySet:** Recover the factory default settings.
- **Reset:** Man reset the motor.
- **MotorxOffset:**
- **MotoryOffset:**

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Setup	
IdCode	000
PanReverse	OFF
TiltReverse	OFF
FaderDelay	ON
SignalLink	OFF
CodeWheel	ON
TempSwitchSet	OFF
TemperatureSet	070
FanSpeed	000
ScreenSaver	MODE1
DisplayReverse	ON
FactorySet	
RESET	
MotorxOffset	+000
MotoryOffset	+000

Picture 4

6) SystInfo:

Related information of system display, shown in picture 5.

- **OnTime:** The current run time.
- **RunTime:** The used time of light fixture.
- **Ver:** The current version of the program.
- **RunningMode:** The current running mode of the system.
- **DmxAddress:** The current DMX address.
- **Temperature:** The temperature of the light board.

SysInfo	
OnTime	00H00M00S
RunTime	00H00M00S
Ver	
RunningMode	00000H00M
DmxAddress	001
Temperature	030

Picture 5

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10.2. DMX Channel Explanation

15 Channel mode

Channel	Value	Function
CH1	0-255	Total dimmer (0-100%)
CH2	0-255	Red dimmer (0-100%)
CH3	0-255	Green dimmer (0-100%)
CH4	0-255	Blue dimmer (0-100%)
CH5	0-255	White dimmer (0-100%)
CH6	0-255	User custom color dimmer (0-100%)
CH7	0-255	Pan (0-630°)
CH8	0-255	Tilt (0-225°)
CH9	0-255	Pan fine (16Bit)
CH10	0-255	Tilt fine (16Bit)
CH11	0-255	Pan&Tilt speed (from fast to slow)
CH12	0	No strobe
	1-255	Strobe effect (from slow to fast) &(CH1+CH2-CH6 ON)
CH13	0	No function
	1~25	DMX handspike delay function ON
	26-50	DMX handspike delay function OFF
	51-90	Choose color by program (14CH) ON
	91-130	Color pulse change effect
	131-170	Color jump change effect
	171-210	Color fade effect
	211-250	Auto-run mode
	251-255	Sound activate mode
CH14	0-255	Speed adjust (14CH 91-210) (from slow to fast)
	0	No function
	1~20	R255 G↑ B0 W0
	21~40	R↓ G255 B0 W0
	41~60	R0 G255 B↑ W0
	61-80	R0 G↓ B255 W0
	81-100	R↑ G0 B255 W0
	101-120	R255 G0 B↓ W0
	121-140	R255 G↑ B↑ W0
	141-160	R↓ G↓ B255 W0
	161-170	R255 G255 B255 W255
	171-200	R0 G0 B0 W0
	201-205	R242 G204 B5 W227

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	206-210	R242 G215 B5 W227
	211-215	R255 G255 B50 W255
	216-220	R255 G255 B90 W255
	221-225	R255 G255 B118 W255
	226-230	R255 G255 B132 W255
	231-235	R255 G255 B151 W255
	236-240	R255 G255 B171 W255
	241-245	R255 G255 B185 W255
	246-250	R255 G255 B197 W255
	251-255	R255 G255 B234 W255
CH15	0-9	IdCode invalid
	10-19	ID1
	20-29	ID2
	30-39	ID3
	40-49	ID4
	50-59	ID5
	60-69	ID6
	70-79	ID7
	80-89	ID8
	90-99	ID9
	100-109	ID10
	110-119	ID11
	120-129	ID12
	130-139	ID13
	140-149	ID14
	150-159	ID15
	160-169	ID16
	170-179	ID17
	180-189	ID18
	190-199	ID19
	200-209	ID20
	210-219	ID21
	220-229	ID22
	230-239	ID23
	240-249	ID24
	250-255	ID25

1 1 Channel mode

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Channel	Value	Function
CH1	0-255	Total dimmer (0-100%)
CH2	0-255	Red dimmer (0-100%)
CH3	0-255	Green dimmer (0-100%)
CH4	0-255	Blue dimmer (0-100%)
CH5	0-255	White dimmer (0-100%)
CH6	0-255	User custom color dimmer (0-100%)
CH7	0-255	Pan (0-630°)
CH8	0-255	Tilt (0-225°)
CH9	0-255	Pan fine (16Bit)
CH10	0-255	Tilt fine (16Bit)
CH11	0-255	Pan&&Tilt speed (from fast to slow)