

INVOLIGHT

INVOLIGHT MovingBAR2409

 **МУЗЦЕНТР**
МУЗЫКАЛЬНОЕ ОБОРУДОВАНИЕ

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USER MANUAL

DMX LED Linear Beam Bar

User Manual

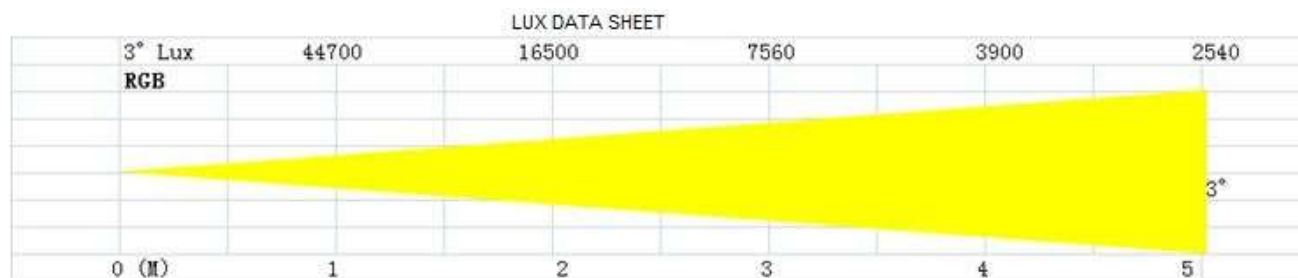
Please read the manual before operation

A. SPECIFICATION

1. Voltage: AC 100V-240V, 50Hz/60Hz
2. Power consumption: 72W
3. LED: 8*9W Cool White
4. Beam angle: 3°
5. DMX channels: 1,12,16CH
6. Operation mode: LCD display
7. Working temperature: -10°C~40°C
8. Dimension: 1065*95*177mm
9. Net weight: 8.7 kgs
10. DMX linking: 30pcs
11. Power linking: 5pcs/110V, 10pcs/240V
12. Lumen:

W	16500lux@2m
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B. Photometric Chart



C. OPERATION

This fixture has five working modes, press the “MODE” button can switch the modes.

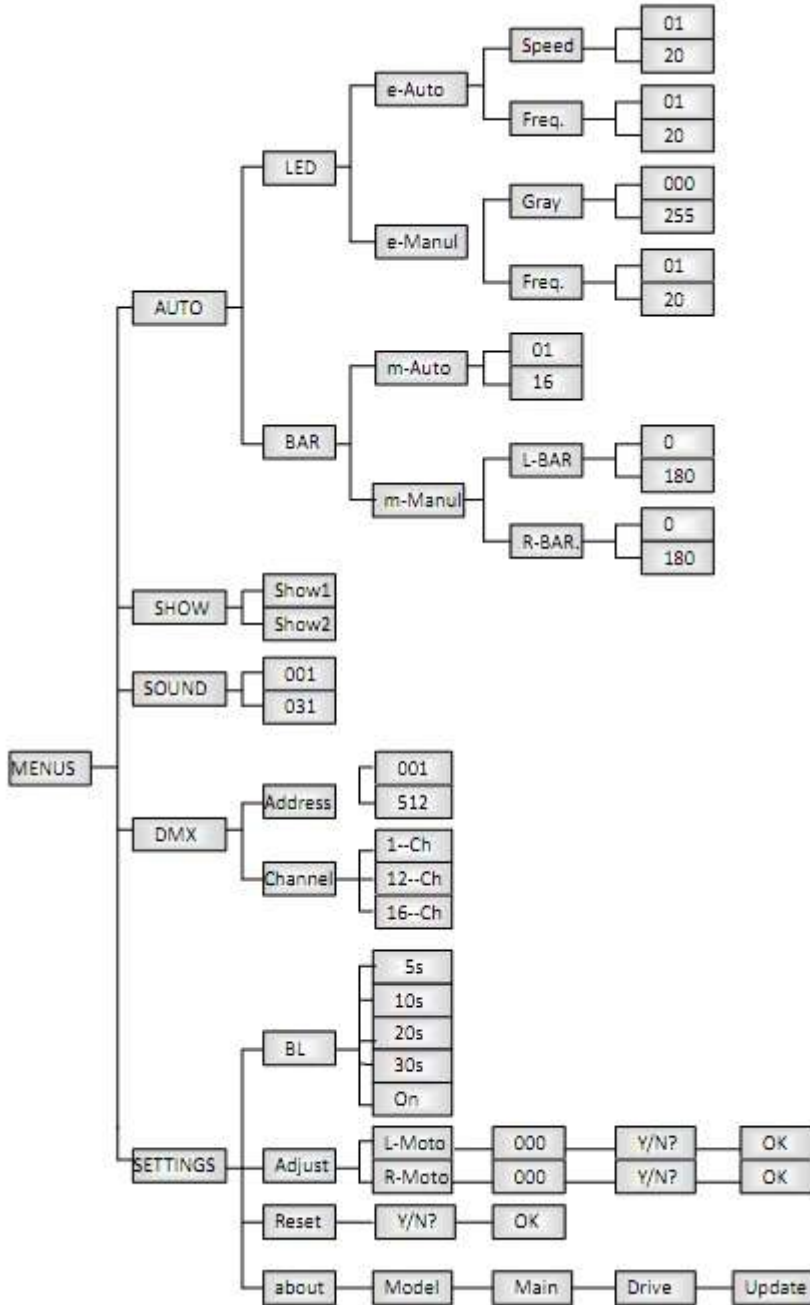
- Built-in programs
- Auto running
- DMX mode
- Master/slave
- Sound-active

D. Button function

Button	Function	Description
MODE	return to the last menu	In main menu, press to enter next mode; In submenu, press to return to last menu
SETUP	enter the next menu	
		In parameter setting, press to add one

UP	plus	In option menu, press to return to last menu In mode menu, press to enter next mode
DOWN	subtract	In parameter setting, press to subtract one In option menu, press to return to next menu In mode menu, press to enter last mode

E. LCD Menu structure chart



1. Auto running

When the display shows:



The light will run as the program which had been set. Press “SETUP” button to enter into the optional menu. Press “UP” and DOWN” to choose



1) LED function

When choose “led”, and press “SETUP” enter to LED auto running parameter setting.

You could choose e-Auto or e-Manul

```
□e-Auto
■e-Manul
```

When choose “e-Auto”, press “SETUP” button enter to the menu

```
▶Speed
▶Freq.
```

Press “UP” and “DOWN” to select the parameter. When choose Speed will show:

```
LED
Speed:01
```

Press “UP” and “DOWN” to adjust the auto running speed from 01-20

When choose “Freq.”, press “SETUP” to set the flash speed.

```
FLASH
Fs:01 Hz
```

Press “UP” and “DOWN” to adjust the auto running speed 00-20Hz

When choose “e-Manul”, press “SETUP” button to set the LED brightness and the flash speed.

```
▶Gray
▶Freq.
```

When choose “Gray”, press “SETUP” to set LED gray level. Press “UP” and “DOWN” to set from 000-255

When you choose “Freq.”, press “SETUP” to set the flash speed. Press “UP” and “DOWN” to set from 00-20Hz

2) Bar function

Choose “Bar”, press “SETUP” enter to set the parameter.

You could choose m-Auto and m-Manul

```
□m-Auto
■m-Manul
```

When you choose “m-Auto”, press “SETUP” to set the speed 01-16

```
BAR
Speed:01
```

When you choose “m-Manul”, the bar stops stalling. Press “SETUP” enter to set the Bar lock position

```
▶L-BAR
▶R-BAR
```

Choose “L-BAR”, press “SETUP” to set the left bar through “UP” and “DOWN” When it is 90 ° , the bar is in the horizontal position. The same method to set the right bar.

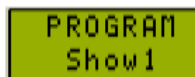
```
L-BAR
Pos: 90°
```

2. Build-in program

When display shows this menu, enter to the build-in program

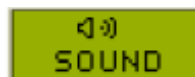


Press "SETUP" enters to choose build-in programs. There are 10 programs inside. Press "UP" and "DOWN" to choose from Show1-Show10



3. Sound-active Mode

When display shows this menu, enter to the sound-active mode.

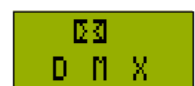


Press "SETUP" enters to adjust the sound sensitivity. Press "UP" and "DOWN" to adjust from 0-31

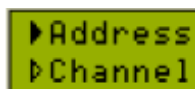


4. DMX Mode

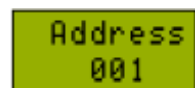
When display shows this menu, enter to the DMX mode setting.



Press "SETUP" enters to set the optional menu.

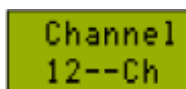


When choose "Address", press "SETUP" enter to set the DMX address 1-512 through "UP" and "DOWN".

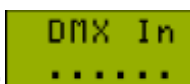


When choose "Channel", press "SETUP" enter to set the channel through "UP" and "DOWN".

There are three channels: 1-ch, 12-ch, and 16-ch (choose 12-ch to restore factory settings)



This product has automatic identification functions. Once receive DMX signal will enter to DMX mode. Once the signal disappear, will return the former mode.



When LCD shows , means enter to DMX mode.

DMX Mode 1:

1-ch		
Channel	Number	Function
	0--19	LED close, electronic machine back to the horizontal position
	20-29	Show1

1	30-39	Show2
	40-49	Show3
	50-59	Show4
	60-69	Show5
	70-79	Show6
	80-89	Show7
	90-99	Show8
	100-109	Show9
	110-119	Show10
	120-139	LED close, electronic machine back to the horizontal position
	140-255	Sound active

DMX Mode 2: 12-ch

12-ch		
Channel	Number	Function
1	0--180	Left BAR 0-180°(90° horizontal)
	180-255	Left BAR 180°
2	0-255	Left BAR speed, more larger the number, more faster the speed
3	0-180	Right BAR 0-180°(90° horizontal)
	180-255	Right BAR 180°
4	0-255	Left BAR speed, the larger number, more faster the speed
5	0-255	LED1 0-100%
6	0-255	LED2 0-100%
7	0-255	LED3 0-100%
8	0-255	LED4 0-100%
9	0-255	LED5 0-100%
10	0-255	LED6 0-100%
11	0-255	LED7 0-100%
12	0-255	LED8 0-100%

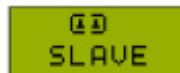
DMX Mode 3: 16-ch

16-ch		
Channel	Number	Function
1	0--180	Left BAR 0-180°(90°horizontal)
	180-255	Left BAR 180°
2	0-255	Adjust Left BAR speed, the larger number, more faster the speed
3	0-180	Right BAR 0-180°(90°horizontal)
	180-255	Right BAR 180°
4	0-255	Adjust Left BAR speed, the larger number, more faster the

		speed
5	0-255	LED1 0-100%
6	0-255	LED2 0-100%
7	0-255	LED3 0-100%
8	0-255	LED4 0-100%
9	0-255	LED5 0-100%
10	0-255	LED6 0-100%
11	0-255	LED7 0-100%
12	0-255	LED8 0-100%
13	0-255	Dimming
14	0-9	No function
	10-19	LED auto run , 1-4 channel control the electronic machine
	20-29	Show1
	30-39	Show2
	40-49	Show3
	50-59	Show4
	60-69	Show5
	70-79	Show6
	80-89	Show7
	90-99	Show8
	100-109	Show9
	110-119	Show10
	120-139	No function
140-255	Sound active	
15	0-255	Led speed (LED auto run)
16	0-14	LED no strobe
	15-255	LED strobe , the larger value, the faster speed

5. Master/slave Mode

When LCD displays this menu, means enter to the M/S mode.



F. Setup Menu

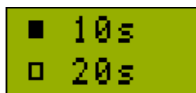


When shows , means enter to set the mode.

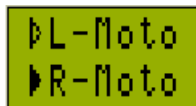
Press "SETUP", enter to optional menu. You could choose four options through pressing "UP" and "DOWN"

- 1) **BL Time** Set the LCD time
- 2) **Adjust** Adjust electronic machine
- 3) **Reset** Restore factory settings
- 4) **About** About product information

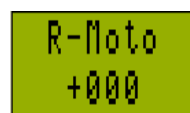
When choose “BL Time”, press “SETUP” button to set the time. Choose 5s, 10s, 20s, 30s, on through pressing “UP” and “DOWN”



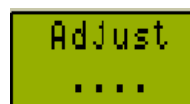
As the above picture, if you choose 10s. After you restore factory settings, the time will keep 10s. Choose “Adjust”, press “SETUP” to set the position of electronic motor. When the bar is not in horizontal position, you could adjust it through this function.



When display shows above picture, choose the electronic motor need to be adjusted. Now it chooses the right motor.

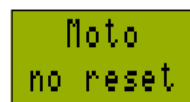


After testing the origin, check the bars are parallel or not through press “UP” and “DOWN”. When the bars are in parallel position, press “SETUP” and adjust the reset data.

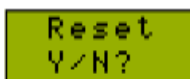


When display shows  , the adjustment is finished.

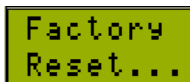
When the electronic motor could not be reset, LCD shows no reset as follow picture.



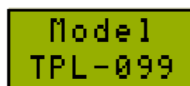
Choose “L-Moto” to adjust the left motor use the same method. Choose “Reset”, press “SETUP” to enter the restore factory setting. At this time, the display will show a prompt menu.



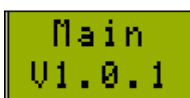
Press “SETUP”, choose restore factory setting. LCD shows follow schedule.



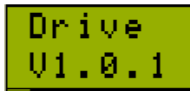
Choose “About”, press “SETUP” button to enter the product information. Press “UP” and “DOWN” to scan the information



The above picture shows product item

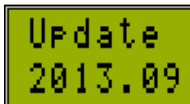


The above picture shows program version (subject to the actual product)



Drive
U1.0.1

The above picture shows driver version (subject to the actual product)



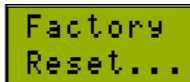
Update
2013.09

The above picture shows update date (subject to the actual product)

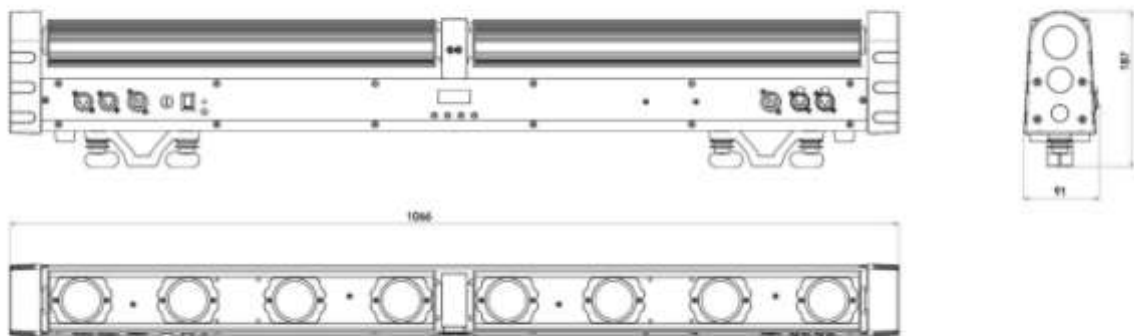
G. Restore factory setting

Operate in the setup menu, please refer to the operation

Press “MODE”, “SETUP” and make power on. When LCD prompts the following process, release the button and restore factory settings.



Factory
Reset...



INVOLIGHT



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