INVOLIGHT

MovingBeam410Q
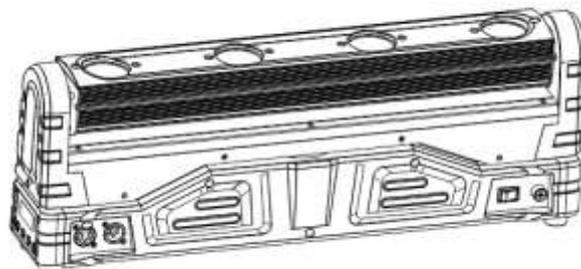

Manual

DMX LED Moving Head, 4-in-1 10W RGBW

User Manual

Please read the manual before operation

A. SPECIFICATION

1. Power input: AC 100V-240V, 60Hz/50Hz
2. Wattage: 70W
3. LEDs: 4-in-1 10W RGBW
4. Beam angle: 1.8 degrees
5. Selectable:1,22, 26 DMX channels
6. Operation mode: LCD display
7. Working temperature: -10℃~40℃
8. IP rate: IP20
9. Weight: 6.8 kg
10. Size: 555*95*210mm
11. Power linking: 7pcs@110V, 13pcs@240V,
12. Lumen:

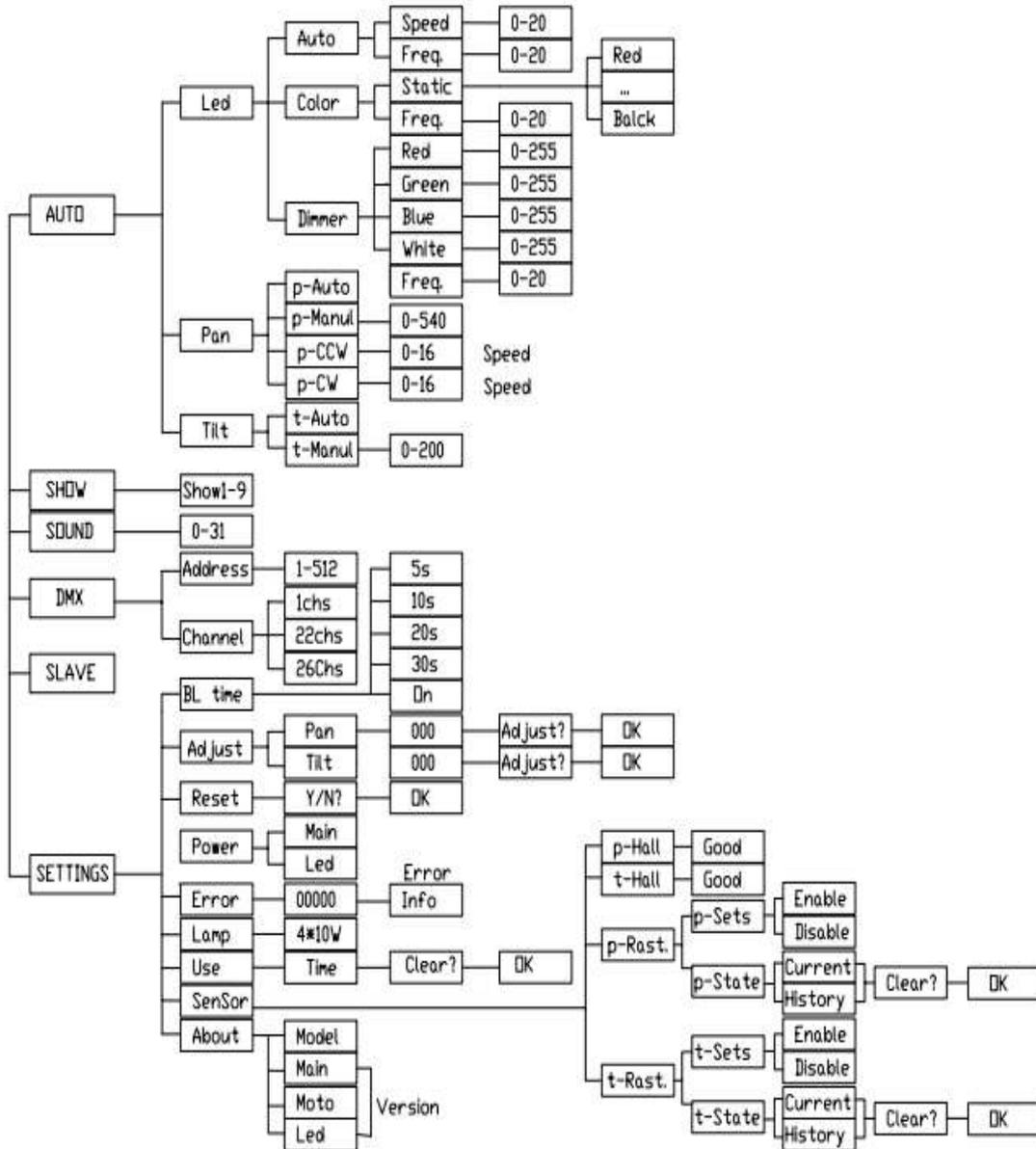| R	2439lux@2m
G	4843lux@2m
B	178lux@2m
W	980lux@2m
A	6948lux@2m

B. OPERATION

There are many types of lighting effects for this fixture, there are five working modes.

- Auto running
- Build-in program
- Sound-active mode
- DMX mode
- Slave mode

C. FUNCTION DESCRIPTION

LCD Menu struture chart

```
                                        ┌ Auto ──┬ Speed ── 0-20
                                        │        └ Freq. ── 0-20                    ┌ Red
                    ┌ Led ──────┬ Color ─┬ Static ───────────────────────────────── ┤ ...
                    │           │        └ Freq. ── 0-20                            └ Balck
                    │           │        ┌ Red ──── 0-255
                    │           └ Dimmer ┼ Green ── 0-255
                    │                    ┼ Blue ─── 0-255
          ┌ AUTO ───┤                    ┼ White ── 0-255
          │         │                    └ Freq. ── 0-20
          │         │           ┌ p-Auto ── Freq. ── 0-20
          │         ├ Pan ──────┼ p-Manul ── 0-540
          │         │           ┼ p-CCW ── 0-16 ── Speed
          │         │           └ p-CW ──── 0-16 ── Speed
          │         └ Tilt ─────┬ t-Auto
          │                     └ t-Manul ── 0-200
          │
          ├ SHOW ──── Show1-9
          ├ SOUND ──── 0-31
          │           ┌ Address ── 1-512              ┌ 5s
          ├ DMX ──────┤           ┌ 1chs              ┼ 10s
          │           └ Channel ──┼ 22chs             ┼ 20s
          ├ SLAVE                 └ 26Chs             ┼ 30s
          │           ┌ BL time ───────────────────── ┼ On
          │           │           ┌ Pan ── 000 ── Adjust? ── OK
          │           ├ Adjust ───┴ Tilt ── 000 ── Adjust? ── OK
          │           ├ Reset ──── Y/N? ── OK
          │           ├ Power ────┬ Main
          └ SETTINGS ─┤           └ Led          Error
                      ├ Error ──── 00000 ──────── Info
                      ├ Lamp ───── 4*10W
                      ├ Use ────── Time ── Clear? ── OK
                      ├ SenSor
                      └ About ────┬ Model
                                  ├ Main
                                  ├ Moto ── Version
                                  └ Led

   SenSor branch:
      ┌ p-Hall ── Good
      ┼ t-Hall ── Good
      │            ┌ p-Sets ──┬ Enable
      ┼ p-Rast. ──┤           └ Disable
      │            └ p-State ─┬ Current ── Clear? ── OK
      │                       └ History
      │            ┌ t-Sets ──┬ Enable
      └ t-Rast. ──┤           └ Disable
                   └ t-State ─┬ Current ── Clear? ── OK
                              └ History
```

1. Auto running

When the display shows "AUTO", 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 the optional which need to set the parameter as below: Led, Pan or Tilt.

1) LED function

①When choose "Led", and press "SETUP" enter to LED auto running parameter setting. The

option with black marks is selected.

You could choose "Auto", "Color" or "Dimmer".

When choose "Auto", press "SETUP" button enter to setup menu.

Press "UP" and "DOWN" to select the parameter. When choose "Speed", press "SETUP" to choose the speed menu of the auto running.

Press "UP" and "DOWN" to adjust the auto running speed from 01-20.

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

Press "UP" and "DOWN" to adjust the flash speed 00-20Hz

②When choose "Color", press the "SETUP" to set the parameter. Choose "Static" and press "SETUP" again to enter color program. Press "UP" and "DOWN" to choose relative color.

③When choose "Dimmer", press the "SETUP" to set the parameter. When choose "RED", "GREEN", "BLUE" or "WHITE", press "SETUP" to enter relative gray level: 0-255. When choose "Freq. ", press "UP" and "DOWN" to set the flash speed 00-20Hz.

2) **Pan function**

When choose "Pan", press "SETUP" enter the function choose menu.

Pan has 4 modes, p-Auto, p-Manul, p-CW and p-CCW.

① When choose "p-Auto", pan enters to build-in program.

② When choose "p-Manul", pan stops in setting location. Press "SETUP" enters to set pan location. Press "UP" and "DOWN" to adjust the location: 0—540 degrees.

③ When choose "p-CW", Pan turns with clockwise direction (from the LED light). Press "SETUP", enter to set Pan speed setting. Press "UP" and "DOWN" to adjust the speed: 1-16.

④ When choose "p-CCW", Pan turns with anti-clockwise direction (from the LED light). Press "SETUP", enter to set Pan speed setting. Press "UP" and "DOWN" to adjust the speed: 1-16.

3) **Tilt function**

When choose "Tilt", press "SETUP" enter the function choose menu.

Pan has 2 modes, t-Auto and p-Manul.

② When choose "t-Auto", Tilt enters to build-in program.

②When choose "t-Manul", Tilt stops in setting location. Press "SETUP" enters to set tilt location.

Press "UP" and "DOWN" to adjust the location: 0—200 degrees.

2. **Build-in program**

When display shows "SHOW", it enter to the build-in program

Press "SETUP" to enter the build-in programs. There are 9 programs inside. Press "UP" and "DOWN" to choose the built-in program from Show1 –Show9 (the built-in program is pre-set and

can't be reset).

3. Sound-active Mode

When display shows "SOUND", enter the sound-active mode.

Press "SETUP" enters the menu of adjusting the sound sensitivity. Press "UP" and "DOWN" to adjust the sensitive value from 0-31.

4. DMX Mode

When display shows "DMX", enter the DMX mode.

Press "SETUP" enters to the main menu: "Address" and "Channel". Press the "UP" or "DOWN" to choose the option.

①When choose "Address", press the "SETUP" enters to the address menu, set the DMX address

1-512 through "UP" and "DOWN".

②When choose "Channel",press "SETUP" enter to set the DMX channel through "UP" and

"DOWN".

There are three channels: 1-ch, 22-ch, and 26-ch (choose 22-ch to restore factory settings)

This product has automatic identification functions. Once receive DMX signal, the fixture will enter the DMX mode. Once the signal disappears, the fixture will return the previous mode.

When LCD shows "DMX IN", it means it enter the DMX mode.

DMX Mode 1: 1-ch

1-ch		
Channel	Number	Function
1	0--29	LED close
	30-44	Built-in program Show1
	45-59	Built-in program Show2
	60-74	Built-in program Show3
	75-89	Built-in program Show4
	90-104	Built-in program Show5
	105-119	Built-in program Show6
	120-134	Built-in program Show7
	135-149	Built-in program Show8
	150-164	Built-in program Show9
	165-194	LED close
	195-255	Sound active, the sensitivity will be higher when the value is larger.

DMX Mode 2: 22-ch

22-ch		
Channel	Number	Function
1	0-255	Pan 0-540°
2	0-255	Pan fine turning
3	0-255	Tilt 0-200°
4	0-255	Tilt fine turning
5	0-255	Pan/Tilt Speed The speed is lower when the No. is larger.
6	0-129	No function
	130-192	The speed is from fast to low when pan moves forward.
	193-255	The speed is from low to fast when pan moves forward.
7	0-255	LED1 R 0-100%
8	0-255	LED1 G 0-100%
9	0-255	LED1 B 0-100%
10	0-255	LED1 W 0-100%
11	0-255	LED2 R 0-100%
12	0-255	LED2 G 0-100%
13	0-255	LED2 B 0-100%
14	0-255	LED2 W 0-100%
15	0-255	LED3 R 0-100%
16	0-255	LED3 G 0-100%
17	0-255	LED3 B 0-100%
18	0-255	LED3 W 0-100%
19	0-255	LED4 R 0-100%
20	0-255	LED4 G 0-100%
21	0-255	LED4 B 0-100%
22	0-255	LED4 W 0-100%

DMX Mode 3: 26-ch

26-ch		
Channel	Number	Function
1	0-255	Pan 0-540°
2	0-255	Pan fine turning
3	0-255	Tilt 0-200°
4	0-255	Tilt fine turning
5	0-255	Pan/Tilt Speed The speed is lower when the No. is larger.
	0-129	No function

6	130-192	The speed is from fast to low when pan moves forward.
	193-255	The speed is from low to fast when pan moves forward.
7	0-255	LED Master Dimming
8	0-255	LED1 R 0-100%
9	0-255	LED1 G 0-100%
10	0-255	LED1 B 0-100%
11	0-255	LED1 W 0-100%
12	0-255	LED2 R 0-100%
13	0-255	LED2 G 0-100%
14	0-255	LED2 B 0-100%
15	0-255	LED2 W 0-100%
16	0-255	LED3 R 0-100%
17	0-255	LED3 G 0-100%
18	0-255	LED3 B 0-100%
19	0-255	LED3 W 0-100%
20	0-255	LED4 R 0-100%
21	0-255	LED4 G 0-100%
22	0-255	LED4 B 0-100%
23	0-255	LED4 W 0-100%
24	0-9	No function
	10-19	LED auto running, motor position controlled by CH1-CH6
	20-29	Built-in program Show1
	30-39	Built-in program Show2
	40-49	Built-in program Show3
	50-59	Built-in program Show4
	60-69	Built-in program Show5
	70-79	Built-in program Show6
	80-89	Built-in program Show7
	90-99	Built-in program Show8
	100-109	Built-in program Show9
	110-129	No function
	130-255	Sound active, the sensitivity will be higher when the value is larger.
25	0-255	Led speed（only for the LED auto running mode）
26	0-14	LED no strobe
	15-255	LED strobe，it will be faster with larger value (It has no use under built-in program mode)

5. Master/slave Mode
When the LCD displays shows "SLAVE", it enters the M/S mode.

D. SETTING
In the setting menu, press "SETUP" button enter to select the menu. There are 9 options, you may select through "UP" and "DOWN" button.

1) BL Time: to set the LCD light time
2) Adjust: to set the motor restoration
3) Reset: to restore factory setting
4) Power: the voltage of power supply
5) Error: system self inspection
6) Lamp: LED information
7) Use: Time for use
8) Sensor: sensor setting
9) About: fixture information

a. When choose "BL Time", press "SETUP" button to adjust the time: 5s, 10s, 20s, 30s, ON through "UP" and "DOWN" button.

b. When choose "Adjust", press "SETUP" button to select Pan, Tilt through "UP" and "DOWN" button.

Pan: press "UP" and "DOWN" button to adjust "Pan" position until the pan is parallel with the base. Press "SETUP" button, the display shows "Adjust Y/N". Press "SETUP" button to adjust the pan. Press "MODE" button back to the menu.

Tilt: press "UP" and "DOWN" button to adjust "Pan" position until the light is parallel with the base. Press "SETUP" button, the display shows "Adjust Y/N". Press "SETUP" button to adjust the pan. Press "MODE" button back to the menu.

This function does not work when the fixture is under DMX mode or fail on position restoration.

c. When choose "Reset", press "SETUP' button to enter to factory resetting mode. Press "SETUP" button again, LCD shows "Factory Reset". Press "MODE" button back to the menu.

d. When choose "Power", press "SETUP" button enter to check the information of power supply. "Main" means the voltage of main board; "LED" means the voltage of LED driver.

e. When choose "Error", press "SETUP" button enter to self-inspection. LCD shows "000000" means approved. If not, press "SETUP" button to check the mistake.

f. When choose "Lamp", press "SETUP" button to show the LEDs information

g. When choose "Use", press "SETUP" button to show the usage time of fixture. Press "SETUP" button to choose "Clear Y/N". If not, press "MODE" back to the menu

H. When choose "Sensor", press "SETUP" button to enter the menu:
P-Hall
It is about the pan sensor state. Press "SETUP" button to check it. LCD shows "Hall OK" means the pan sensor runs well. If LCD shows "LCD not good" means something wrong with the sensor.

T-Hall
It is about the tilt sensor state. Press "SETUP" button to check it. LCD shows "Hall OK" means the pan sensor runs well. If LCD shows "LCD not good" means something wrong with the sensor.

P-Rast
It is about pan coding state and setting. Press "SETUP" button to enter to the menu: p-sets, p-state

When choose "p-sets", could open or close the pan coding through "UP" and "DOWN" button. When you close the pan coding, pan could not restore the position.

When choose "p-state", press "SETUP" button to check the pan coding state. "Current" is the adjust times. "History" is the total amount of the adjust times. Press "SETUP" button, LCD shows "Clear Y/N?" , the data are cleared. Press "MODE" button back to the menu.

T-Rast
Same as pan coding setting.

I. When choose "About", press "SETUP" button enter to refer the product information (includes item number, version number, motor driver and LED driver information) through "UP" and "DOWN" button.

E. FACTORY RESTORATION
1) In the setting menu, you may refer to the detail operation
2) Press "MODE" and "SETUP" button in the same time for a while, power on the fixture, LCD shows "Factory Reset…". Then release the buttons and recover the factory setting.

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