LED Beam Moving Head Light

MJ-1012A

User Manual

Thank you for choosing our LED moving head light. For the sake of your safety, Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

Catalogue

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☆Important notice:

• In this instruction for use contains about the installment and the use aspect important information of the LED moving head. When installing and using, you need to look this usage instruction strictly.

• Before open the LED moving head and if you want to do the repair work, please make sure the power source is at the separation condition.

• Every unit is tested completely and packed properly by the manufacturer. Please make sure the packing and the unit are in good condition before installation and use. Should there be any damage caused by transportation, consult your dealer and do not use the unit. Any damage caused by improper use will not be assumed by the manufacturer or dealer.

Attention: Unceasingly carries on the product improvement about our company the policy, in this instruction booklet carries the data will have the possibility to be able to change in the future, when no longer separate notice change matters concerned. Our company retains when the product improvement changes the related specification the authority. This instruction booklet publisher cannot be responsible regarding this instruction booklet in information accuracy, also cannot the related consequence which causes regarding these information be responsible.

SAFE USAGE OF THE PRODUCT

When unpacking and before disposing of the carton, check there is no transportation damage before using the product. Should there be any damage caused by transportation, consult your dealer and do not use the apparatus.
The product is for indoor use only, IP20. Use only in dry locations. Keep this device away from rain and moisture, excessive heat, humidity and dust. Do not allow contact with water or any other liquids.
The product is not designed or intended to be mounted directly on to inflammable surfaces
The product is only intended for installation, operation and maintenance by professional person.
The product must be installed in a location with adequate ventilation, at least 50cm from adjacent wall surfaces. Be sure that no ventilation slots are blocked.
Do not product the beam onto inflammable surfaces, minimum distance is 5m.
Avoid direct exposure to the light from the lamp. The light is harmful to the eye.
Do not attempt to dismantle or modify the projector in any way.
Electrical connection must only be carried out by qualified personnel.
Before installation, ensure that the voltage and frequency of power supply match the power requirements of the projector.
It is essential that each projector is correctly earthed and that electrical installation conforms to all relevant standards.
Do not connect this device to any other types of dimmer apparatus.
Make sure that the power-cord is never crimped or damaged by sharp edges. Never let the power-cord come into contact with other cables. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
Keep the optical system clean. Do not touch the LED lens with bare hands.
The product should always be installed with a secondary safety fixing. On the projector base brink, there is a hole for the safety cord provided. It should be attached as shown in "installing the projector" section.
LED lens shall be changed if they have become visibly damaged to such an extent that their effectiveness is impaired, for example by cracks or deep scratches.

Exterior surface temperatures of the luminaire after 5 minutes operation is 40℃，when steady state is achieved 50℃.
There is no user serviceable parts inside the projector, do not open the housing and never operate the product with the covers removed.
If you have any questions, don't hesitate to consult your dealer or manufacturer.

★Always disconnect from the mains, when the device is not in use or before cleaning it or before attempting any maintenance work !

I. Product Characteristic

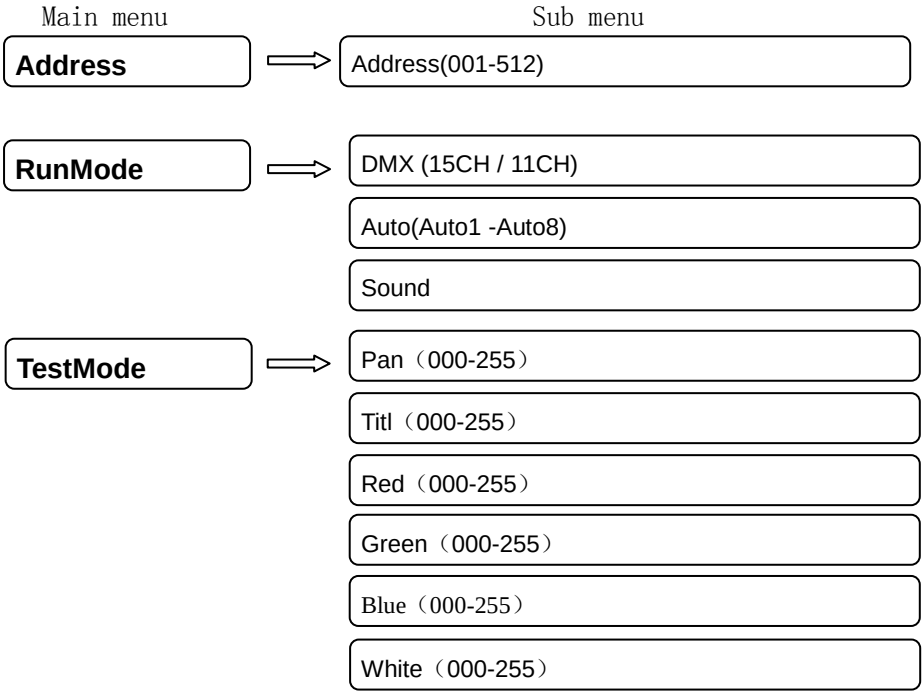
- Use TFT display, interface luxuriant, promote product's level.
- Menu language switch,can change to Chinese or English to kinds,fit for different customer needs.
- 655536pcs intensity grade, really achieve 16-bit dimming. Eliminated 8-bit dimming low brightness blink's problem, make the dimming effect much more smooth.
- Master/slave mode, any light can be master light when switch off the control signal, drive other lights.

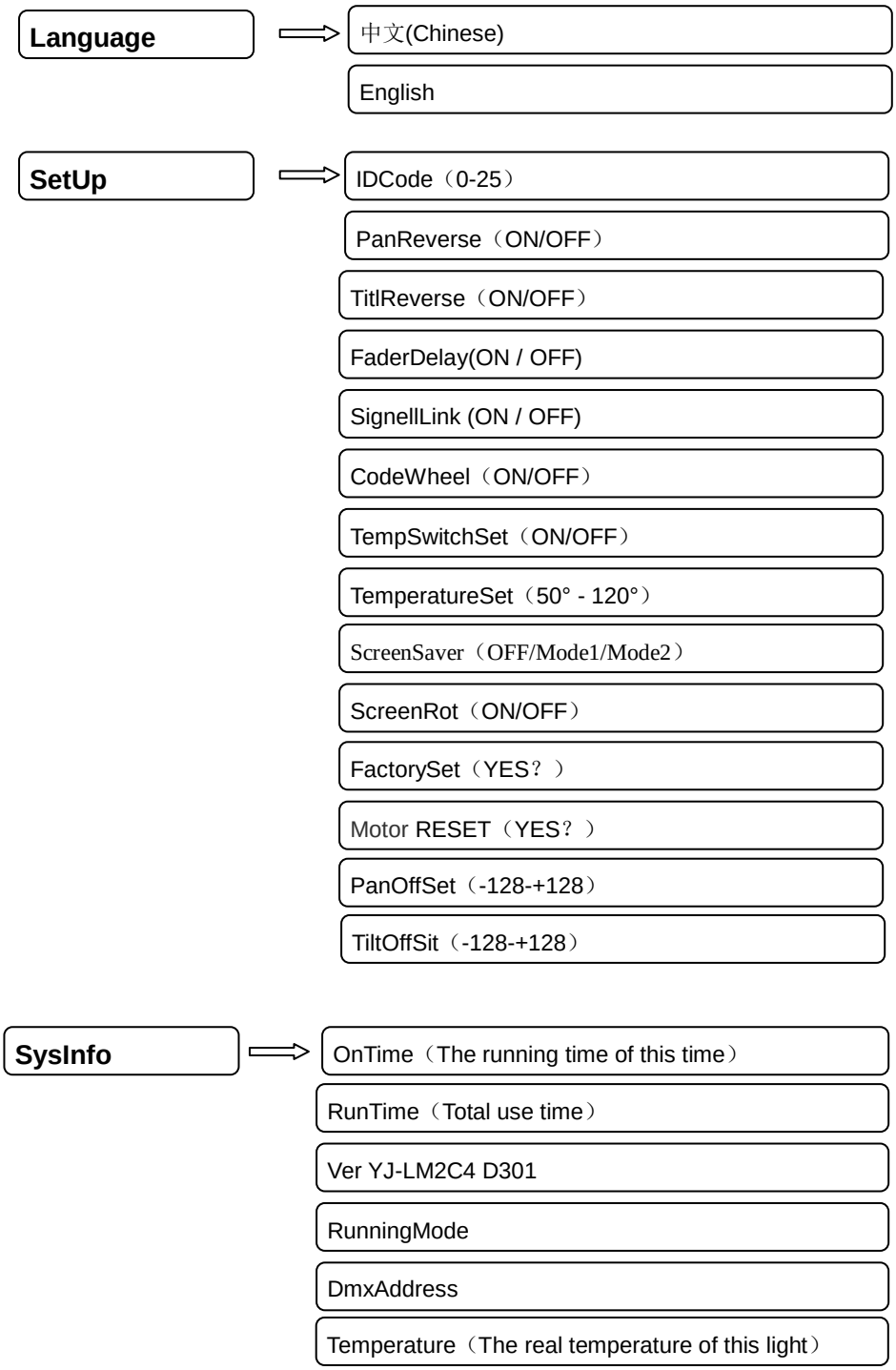
II. Product Parameter

- Power supply: AC90-240V; 50/60Hz
- Power consumption: 120W
- DMX control channel:11CH,15CH
- DMX 512 connection:3-pin XLR
- Control mode: DMX 512,Master/slave,Auto,Sound
- Maximum PAN 630
- Maximum TILT 240
- Number of LEDs: 7pcs 12W 4-in-1 OSRAM LEDs(LE RTDUW S2W)
- Beam angle: 8°
- Weight: 7kg
- Dimensions: 320 * 230 *350mm

III. Menu Description

➢ Menu Structure chart





Main menu

Use button control cursor, press “ENTER” to confirm.

Sub menu

Submenu include Address,Runmode,Testmode,Language,Setup,Sysinfo, use soft button to do each set in interface.

1) Address，after setting press “Enter” to keep address code,then go back to main menu.

2) **Runmode setting**，“√”is mean to the currently run mode.At the same time, only running one mode. When you select DMX mode and auto mode, press “ ENTER”, also can choose different DMX mode and auto mode.

- When the light in the DMX mode, then also can be slave mode. If the light connect to the DMX control signal, then it is DMX mode.If you connect the light is Master signal, then it is running slave mode.
- Auto mode,auto mode also can be master mode.
- When the light in sound mode, it can't be master mode.

3) **Test mode**, test mode is a special mode,only can be used when it is in test mode interface,exit interface, then return to previous running mode.In the test mode,you can adjust Pan,tilt and focus motor's position,also can adjust intensity of RGBW color.The RGBW color of test mode can be used by the 16th channel in the DMX mode.
4) **Language**, menu language can setted to Chinese or English.
5) **Setup**,
   - ID code,ID code is using for DMX mode in the channel15th,when the value of channel 15th over number 9,only ID code corresponding to the front two value which in 16th channel,then other channel value are available now.
   - Pan reverse set
   - Tilt reverse set
   - **Fader delay**, when switch on handspike delay,the controller handspike can achieve soft dimming effect. Handspike delay can be chosen ON/OFF on the controller.
   - **Sinal link:** When turn on signal link,cut off control signal will be blackout.
   - **Code wheel:** If off,ID code will failure in reset and running mode,can't record correct position of pan and tilt.Will recover from wrong running operation.Reset can be max travel reset from code wheel reset.
   - **Temp Switch:** Temperature protect's switch.
   - **Temperature**: Protect temperature, when start temp protect function,if test temperature over protect temperature,then brightness will be reduce a half.
   - **Screen protect**: It can be set turn off,mode1 and mode 2.When it's OFF,then won't enter screen protect condition.When in mode 1,it will clear the screen.When in mode 2,after you into screen protection,big letter display current address code.
   - **Screen Rot**: this menu can let the screen inversion 180 degree.
   - **Factory set**: you can set all parameters to factory set.
   - **Motor Reset**: reset the motor by hand.
   - **Pan Off Set**:Pan adjustment
   - **Tilt Off Sit:** Tilt adjustment
6) **Sys info** : display related information on system
   i. **ON time:** the current time when you power on it.
   ii. **Run time**: Total time of using this light
   iii. **Ver**: current verson of software
   iv. **Running mode**: System running mode currently
   v. **DMX address**
   vi. **Temperature**: Display current temperature

IV. Channel List

↳ 15CH

Channel	Value	Control function
1	0-255	Main dimming ON
2	0-255	Red
3	0-255	Green
4	0-255	Blue
5	0-255	White
6	0-255	User customs color
7	0-255	Pan
8	0-255	Titl
9	0-255	Pan fine（16Bit）
10	0-255	Titl fine（16Bit）
11	0-255	XY motor speed from quick to slow
12	0	No strobe
	1-255	Strobe from slow to quick
13	0	No marco funtion
	1~25	Start controller handspike
	26-50	Turn off controller handspike
	51-90	Program color selection switch
	91-130	Pulse change
	131-170	Jump change
	171-210	fade
	211-250	Inside mode 1（can't be controlled）
	251-255	Sound mode（can't be controlled）
14	0-255	pulse，jump，fade from slow to quick（CH14 is between 91-210）
	0	Can't use color selection 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
	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
	0-9	IDcode fail
	10-19	ID1
	20-29	ID2

15	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

➧ 11CH

Channel	Value	Control function
1	0-255	Main dimming
2	0-255	Red
3	0-255	Green
4	0-255	Blue
5	0-255	White
6	0-255	User custom color
7	0-255	X motor
8	0-255	Y motor
9	0-255	Pan fine（16Bit）
10	0-255	Titl fine（16Bit）
11	0-255	XY motor speed from quick to slow

V. FAQ

- When the motor can reset in correctly,Please check if XY motor or XY code wheel insert wrong postion.
- When you reset it,need to corresponding to the XY motor and XY code wheel,then can reset correctly.You can change the motor wire to test the direction.
- If you want to change motor direction,please change the DMX cable of code wheel,otherwise can’t reset normal.
- When it in master/slave mode,need cut off DMX signal,otherwise can’t accept master’s signal correctly.
- If code wheel damaged,you can go to set up to turn off code wheel.The light still can use normal.