

	ist (Multimeter)
Das Licht ist gedämpft und die Helligkeit wird merklich reduziert	1. Prüfen Sie, ob das innere und äußere optische System sauber sind
Der bewegliche Scheinwerfer ist aus dem Takt geraten	1. Auch eine Störung des Signals kann die Ursache sein. Prüfen Sie, ob das Erdungsende des Signalkabels getrennt ist oder nicht. 2. Verursacht durch eine Programmanomalie 3. Verursacht durch motorische Anomalien 4. Der IC des Motherboards ist durchgebrannt

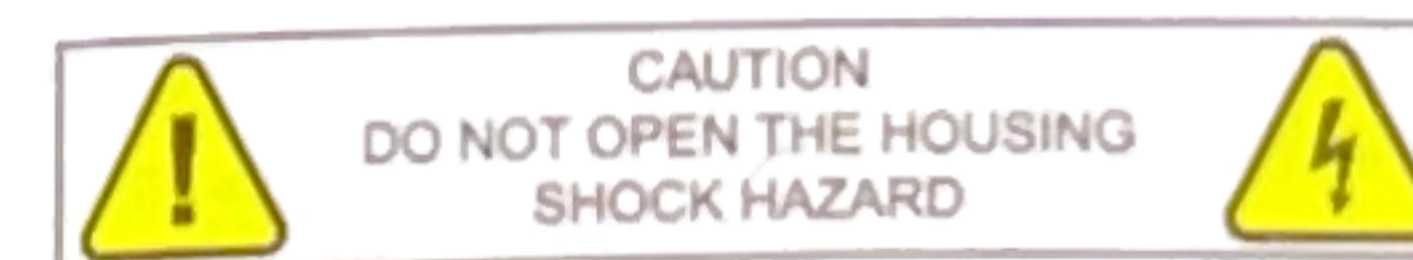
Mini Moving Head Light



User's Manual

Thank you for using our products:

This manual contains important information about product use, installation and maintenance methods. Please read it carefully, install and operate as required, and please keep the manual properly for emergency. When this product is delivered, the performance and packaging are complete. All users shall strictly follow the warnings and operating instructions stated in this specification. Any damage caused by misuse is not within the Company's warranty. This manual is subject to technical changes without prior notice.



Please read this manual carefully before operating this product.



Unpacking instructions

When you receive the equipment, open the package and check whether the contents are complete and intact. If not, please inform the carrier immediately; if it shows that the package is damaged, keep the package. Keep the packaging and all packing materials so that the devices can be transported safely.

This manual	1	
Power cord (as per the order requirement)	1	
U-shaped frame	1	
Screw fixed to lamp (for fixing the hanger)	2	
Remote controls	1	

TECHNICAL PARAMETERS

Operating Voltage	AC100~240V, 50~60Hz
LED specifications	RGBW Four in one LED
Number of light sources	7PCS
Light source life	≥20000h
Color	RGBW for linear color mixing
Dimming	Linear dimming, 0 brightness to 100% adjustable
Strobe	1-20 Hz per second, with adjustable strobe speed
Light Angle	30°
X axis	0~540°
Y axis	0~180°
Rotational speed	Adjustable speed speed
Channel	9 / 14 international standard channels
Display	Digital display

Control modes	DMX control Primary / slave synchronization mode Self-control Sound control Remote control
Lamp Colour	black
DMX Interface	<input checked="" type="checkbox"/> DMX Cannon <input type="checkbox"/> internet access
IP grade	IP20, for indoor use

Security warning information

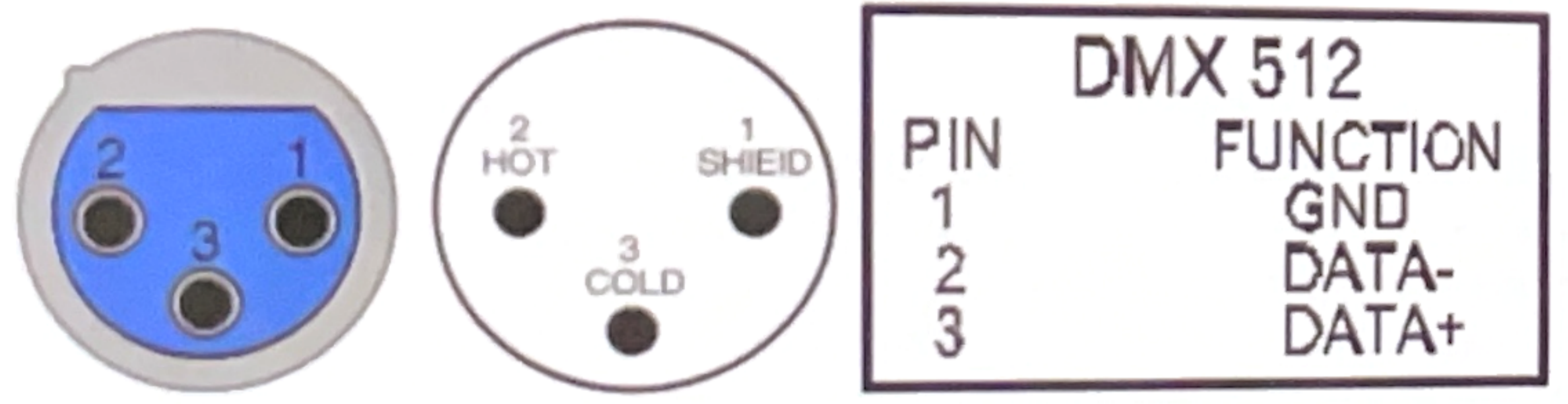
1. Before the first use, unpack and check for damage caused by transportation. In the event of damage caused by transportation, please do not use this lamp and contact us as soon as possible.
2. This product is only suitable for indoor use. The lamps should be kept dry and should not be used in damp, overheated or dusty environments. Avoid the lamp coming into contact with other liquids such as water.
3. AC power supply: check whether the local power supply meets the rated voltage requirements of the product.
4. When installing and positioning the lamps, please do not install the lamps directly on the surface of ordinary combustible substances. ✘
5. Qualified professionals can carry out the installation, operation and maintenance of lamps;
6. When the lamp fails, stop using the lamp immediately. Do not try to repair it yourself, please contact the nearest authorized technical assistance center or manufacturer and always use the same type for replacement.
7. Do not touch any wire during the operation that may cause a dangerous electric shock.
8. The maximum ambient temperature to ensure the normal and stable operation of the lamps shall not exceed 40°C, and the minimum temperature shall not exceed -20°C. The lamps shall be installed in a well-ventilated place, and ensure that the fan of the lamps rotates normally.
9. Do not use a power cord with damaged insulation and do not connect the power cord to other wires. When the fixture is not in use or being cleaned, unplug the power cord by holding the power cord plug. Do not pull it hard or drag the power cord directly.
10. There is no part of any parts inside the lamp repaired by the user. Before

operating the lamps, check that all enclosures are installed and the screws are reliably tightened. Do not use the lamp when the housing is open.
 Remote Control: If you want to control the light by remote, please unplug the DMX cable and set Remote Control to ON. If you want to control the device via the menu, set the remote to off

Note: Before any installation, repair and cleaning of the lamps, confirm that the power cord is cut off!

The DMX controls the connection of the signals

DMX512 Three-core carnon seat



If you want to use the DMX controller to control the lamp, you must first set the DMX address code, ranging between 1 and 512, so that the lamp can receive the DMX signal.

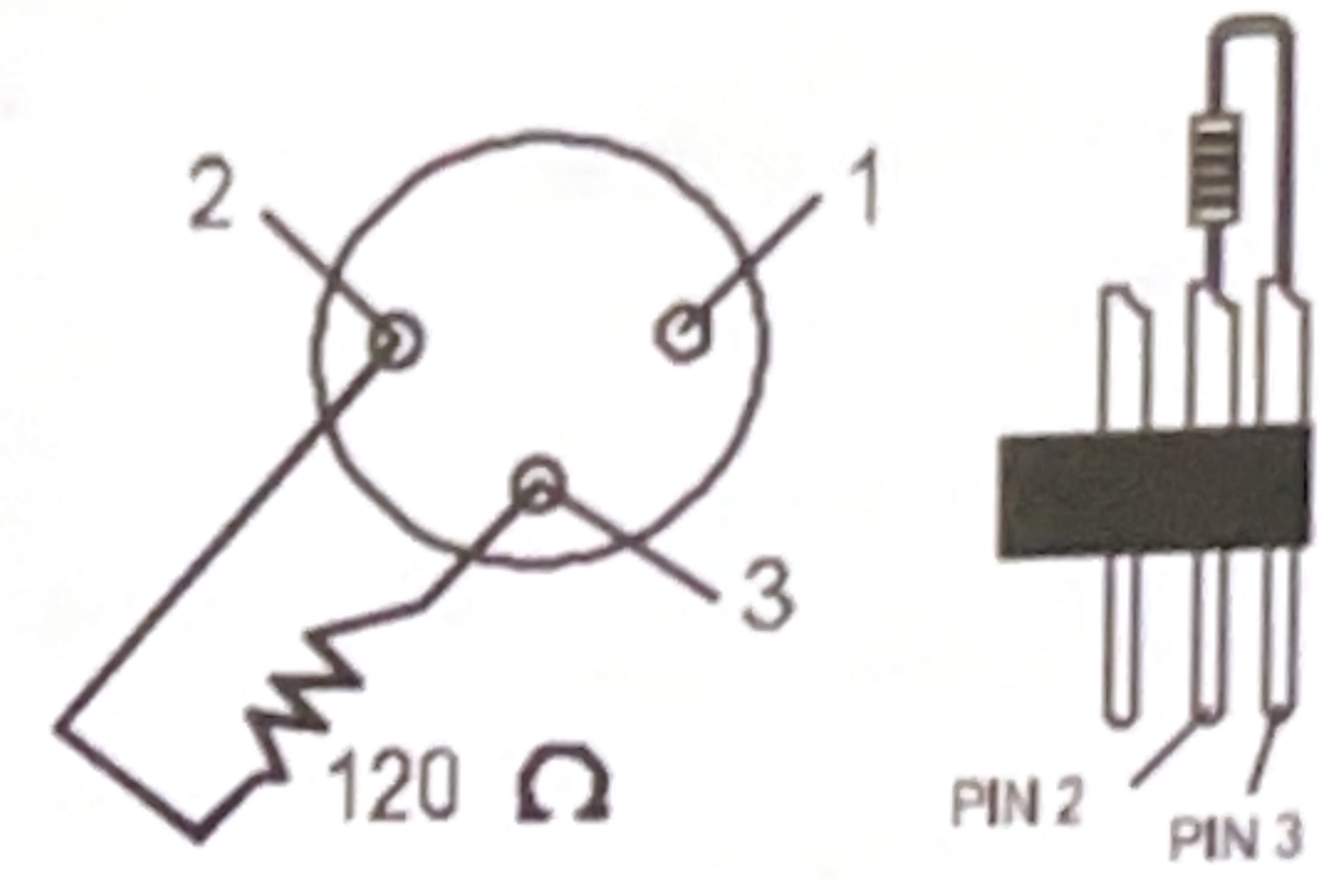
Press the MENU button, select "d00 l" menu choice. Press the ENTER button to enter. Use UP / DOWN to select the DMX512 address code, and our factory value is set to "d00 l". After the address code is set, hold down the ENTER button.

Connect from the output port of the DMX512 console to the DMX input port of the first slave, and from the DMX output port of the first slave to the DMX input port of the second slave, and so on until all the slave is connected.

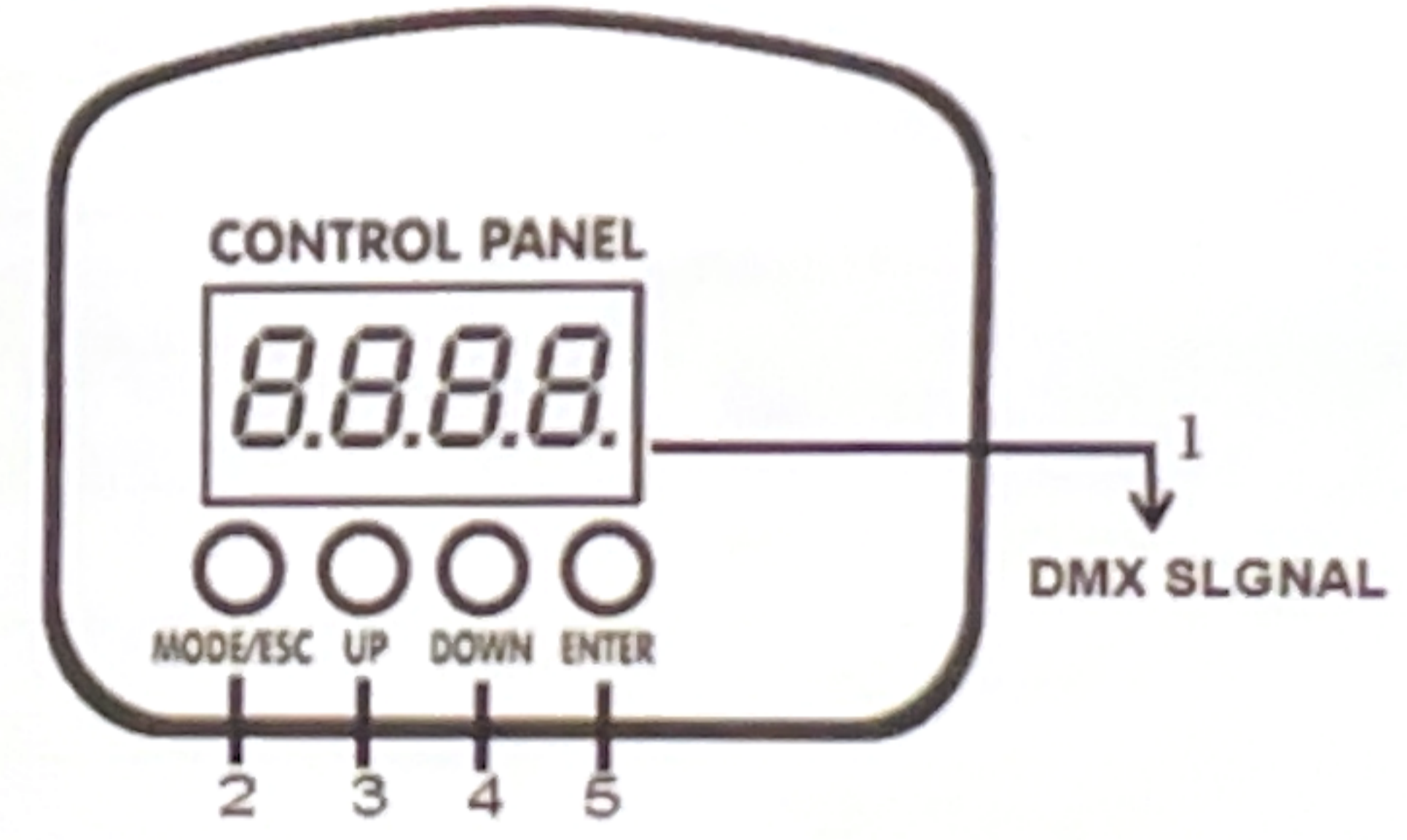
DMX-512 connection with terminal (loop connection)

During the installation process, it is recommended to use the DMX terminal (loop connection) if the signal line is laid for a long distance, or in a noisy electrical environment, such as the dance hall. This can avoid the digital control signal turbidity due to electrical noise. The DMX terminal is composed of a simple XLR

connector with 2 cores and 3 cores connecting a 120 Ω resistance. Please insert the terminal into the XLR output port of the last product, please refer to the following figure.



Display panel



Project	No	Silk-Screen	Function
Button:	1	DMX SLGNAL	DMX signal
	2	MODE/ESC	Enter / view the menu function
	3	UP	On the key
	4	DOWN	Under the key
	5	ENTER	Go to the selected function / determination key

Display function

Menu	Options and settings	Explain
Addr	d00 1~d5 12	DMX address code select 1-512
CHNd	14CH	14 Channel mode
	9CH	9 Channel mode
Node	Sou 1	Sound Control Mode 1
	Sou2	Sound Control Mode 2
	Aut 1	Auto 1
	Aut2	Auto 2
SEnE	000~100	Voice control sensitivity, 000 off, 100 is the highest sensitivity
PRn	OFF	Horizontal positive
	ON	Horizontal reverse
tILT	OFF	Vertical forward
	ON	Vertical reverse
PR54	54	X-axis, 0-540°
	36	X-axis, 0-360°
	18	X-axis, 0-180°
t 18	18	Y-axis, 0-180°
	09	Y-axis, 0-90°
rESt		Lamps reset
LoAd		factory data reset

Hidden function, need to be authorized by the manufacturer to enter, so as not to cause failure. Press the "MODE/ESC" key to switch the menu "Addr", press "ENTER" to display "d00 1", press and hold the "ENTER" key for 3S to enter the hidden function, "UP/DOWN" to select the adjustment item, press the "ENTER" key after adjusting the parameters, and press and hold the "ENTER" key to exit.

P 127	P000-255	Horizontal fine-tuning setting
t 127	t000-255	Vertical fine-tuning settings
r240	r000-255	Red current setting
G220	G000-255	Green current setting
b240	b000-255	Blue current setting
U 180	W000-255	White current setting

AUTO/SOUND host operation functions

1. Select AUTO as the host

Press "MODE / ESC" menu to switch menu "Node", press "ENTER" to enter, "UP / DOWN" to find, select "Aut 1" or "Aut2" as host mode; automatically identify and follow the host;

2. Select the SOUND as the host

Press "MODE / ESC" menu to switch menu "Node", press "ENTER" key to enter, "UP / DOWN", select "Sou 1" or "Sou2" as the host mode; automatically identify and follow the host; if the audio control is invalid, the voice sensitivity "SEnE" to 000, then you need to adjust it to the appropriate sensitivity.

The DMX channel is used to control the content

[DMX 1] 9 Channel mode is described in detail

Channel	Numerical	Functional Description	
1	X-axis	000-255	The horizontal shaft is running at 0- 540°
2	Y-axis	000-255	Vertical axis operation 0- 180°
3	Open light / flash	000-007	Closed light
		008-134	Total dimming, and the brightness is adjusted linearly from dark to bright
		135-239	The strobe speed is from slow to fast, 1-20Hz
		240-255	opening the light
4	Red	000-255	red linear regulation,0-100%
5	Green	000-255	green linear regulation,0-100%
6	Blue	000-255	blue linear regulation,0-100%
7	White	000-255	white linear regulation,0-100%
8	XY velocity	000-255	Horizontal / vertical speed is by slow speed
9	Reset	000-149	nonfunction
		150-200	Wait for 3 seconds before the lamp is reset
		201-255	nonfunction

[DMX 2] 14 Channel mode is described in detail

Channel	Numerical	Functional Description	
1	X-axis	000-255	The horizontal shaft is running at 0- 540°
2	X axis fine-tuning	000-255	Horizontal fine-tuning micro-movement
3	Y-axis	000-255	Vertical axis operation 0- 180°
4	Y axis	000-255	Vertical fine-tuning micro motion

	fine-tuning		
5	XY velocity	000-255	Horizontal / vertical speed is by slow speed
6	Open light / flash	000-007	Closed light
		008-134	Total dimming, and the brightness is adjusted linearly from dark to bright
		135-239	The strobe speed is from slow to fast, 1-20Hz
		240-255	opening the light
7	Red	000-255	red linear regulation,0-100%
8	Green	000-255	green linear regulation,0-100%
9	Blue	000-255	blue linear regulation,0-100%
10	White	000-255	white linear regulation,0-100%
11	colour	000-007	Channel 7 – 10 is valid
		008-231	Color combination selection
		232-255	Color jump
12	Jump speed	000-255	Color jump speed is changed from slow to fast
13	Auto/Sound	000-007	Channel 1-12 is effective
		008-063	Fast self-drive mode
		064-127	Slow self-drive mode
		128-191	Sound Control Mode 1
		192-255	Sound Control Mode 2
14	Reset	000-149	nonfunction
		150-200	Wait for 3 seconds before the lamp is reset
		201-255	nonfunction

Remote control

Pictorial view



Function	Explain	
Power	Open / close	
DMX	DMX pattern	
Flash	Frequency flash / turn off	
Save	preserve	
Music 1	Sound Control Mode 1	
MANU	XY, the color start function	
Music 2	Sound Control Mode 2	
Auto 1	Auto 1	
SENE	Sound control sensitivity, By ▲ ▼regulating	
Auto 2	Auto 2	
R	Red	By ▲▼ Regulating luminance
G	Green	
B	Blue	
W	White	
R/B	R+B	
G/B	G+B	
▲	Numerical plus	
▼	Numerical reduction	
X-	X -	
X+	X+	
Y-	Y-	
Y+	Y+	

General fault maintenance

The lamp did not start properly	<ol style="list-style-type: none"> 1. Check the power cord for problems 2. Check that the power supply fuse is broken 3. Check the lamp switch power supply for any voltage output (multimeter) 4. Check the motherboard for any voltage input (multimeter)
The lamp can shine normally, but it is not controlled by the DMX controller	<ol style="list-style-type: none"> 1. Check whether the DMX start address of the lamp is set correctly 2. Check whether the lamp DMX Canon seat is damaged 3. First exclude the 1,2, and then use the same console to connect another light to try, if normal, the lamp motherboard has a problem
Lamps work intermittently	<ol style="list-style-type: none"> 1. Check whether the fan works normally, and whether the dust blocks the fan and the fan net 2. Check whether the switch voltage output port LED lamp is flashing, the switch power supply is damaged or short circuit 3. Abnormal circuit board causes
LED is not bright	<ol style="list-style-type: none"> 1. Check the LED lamp beads for damage 2. Check whether the connecting lines at both ends of the LED lamp beads are loose 3. Check whether the LED lamp bead is positive and negative and whether you have a voltage input (multimeter)
The light is dim and the brightness decreases significantly	<ol style="list-style-type: none"> 1. Check whether the internal and external optical system is clean
The shaking head lamp was out of step	<ol style="list-style-type: none"> 1. Signal interference will also cause, and whether the ground terminal of the exclusion signal line is broken 2. Cause by the program abnormality 3. Abnormal motor causes 4. The IC of the motherboard is burned out