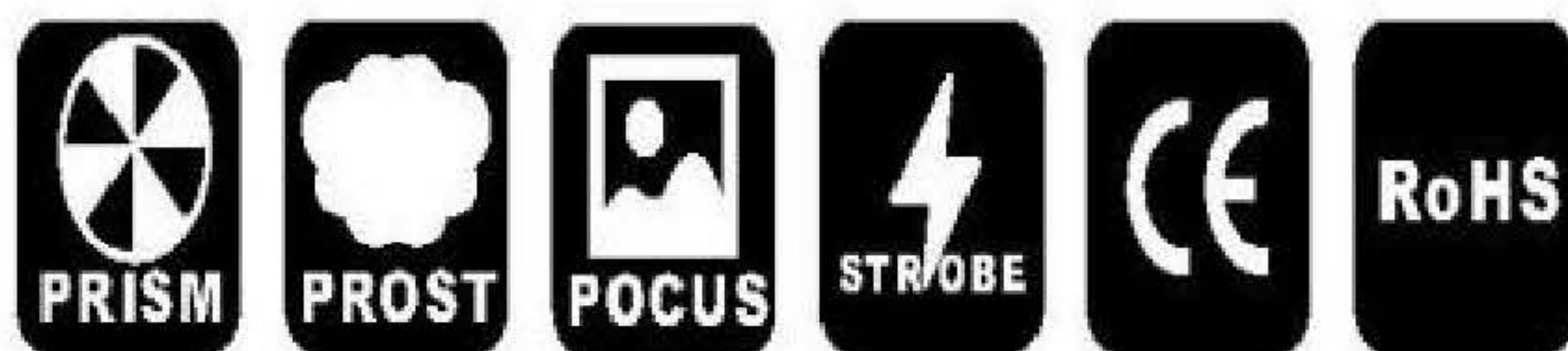


LED 300W BSW Pattern Light



operation instructions

Please read the manual carefully and keep it properly before ussing the product



an instruction manual

1.Main functions

- **Input voltage: AC 100V-240V/50-60HZ**
- **Power consumption 300W**
- **Module type: LED**
- **Control mode: DMX512 control/built-in self-propelled/voice controlled self-propelled/master-slave machine**
- **Channel mode: 17 channels**
- **A color palette with 9 colors and white light, a fixed image palette with 8 patterns and white light, and a dynamic image palette with 7 patterns and white light. The color palette has a flowing scrolling half color effect. The pattern wheel has a scrolling and shaking effect with flowing water.**
- **Equipped with atomization function**
- **One prism with arbitrary angle positioning and positive and negative rotation effects.**
- **The strobe has multiple strobe functions, and the gradual opening and closing of light is smooth without shaking**
- **Protection level: IP20**
- **Size: 50X41X36 mm**
- **Net weight: 16 Kg**

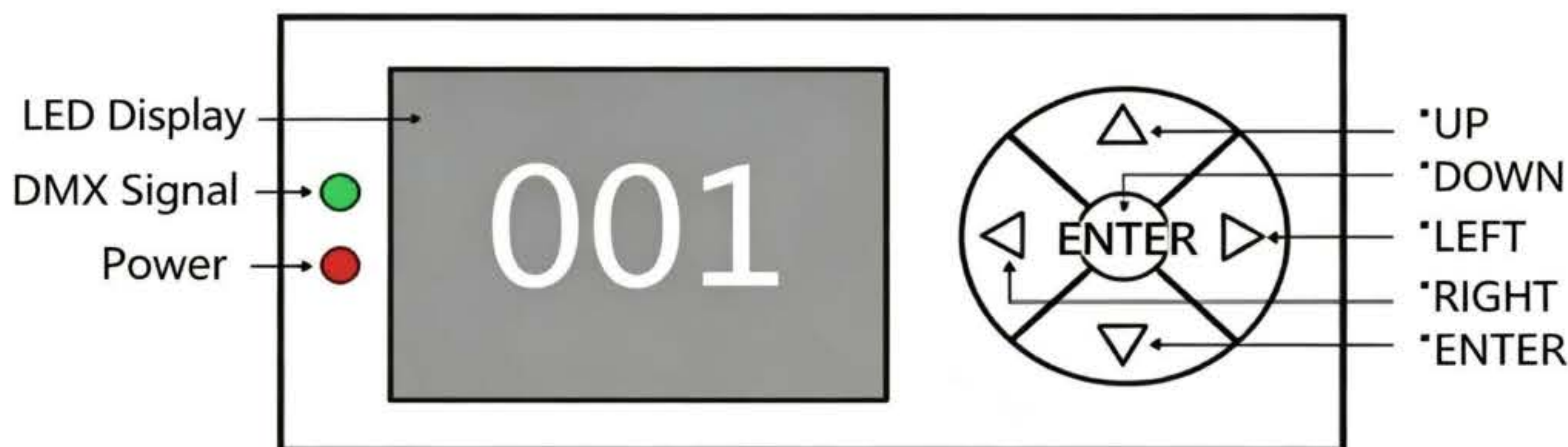
2.DMX Channel table

17 channels			
passage	Function	numerical value	Description
1	X-axis	0 - 255	0-540 degrees
2	X-axis fine-tuning	0 - 255	X-axis 16 bit
3	Y-axis	0 - 255	0-270 degrees
4	Y-axis fine-tuning	0 - 255	Y-axis 16 bit
5	XY speed	0 - 255	From fast to slow
6	Dimming	0 - 255	0% -100% linear dimming
7	stroboscopic	0 - 3	Dimming
		4 - 100	Ordinary strobe light
		101-150	Slow on, fast off
		151-200	Fast on, slow off
		201-250	Lightning flicker
		251-255	Dimming
8	color palette	0 - 4	white light
		5 - 9	White light+color 1
		10 - 14	Color 1
		15 - 19	Color 1+Color 2
		20 - 24	Color 2
		25 - 29	Color 2+Color 3
		30 - 34	Color 3
		35 - 39	Color 3+Color 4
		40 - 44	Color 4
		45 - 49	Color 4+Color 5
		50 - 54	Color 5
		55 - 59	Color 5+Color 6
		60 - 64	Color 6
		65 - 69	Color 6+Color 7
		70 - 74	Color 7

		75 - 79	Color 7+Color 8
		80 - 84	Color 8
		85 - 89	Color 8+Color 9
		90 - 94	Color 9
		95 - 99	Color 9+White Light
		100 - 75	Clockwise rotation from slow to fast
		176 - 179	white light
		180 - 255	Rotate counterclockwise from fast to slow
9	Fixed diagram disk	0 - 9	round hole
		10 - 19	Figure 1
		20 - 29	Figure 2
		30 - 39	Figure 3
		40 - 49	Figure 4
		50 - 59	Figure 5
		60 - 69	Figure 6
		70 - 79	Figure 7
		80 - 89	Figure 8
		90 - 125	Rotate counterclockwise from fast to slow
		126 - 129	round hole
		130 - 265	Clockwise rotation from slow to fast
		166 - 175	Circular hole shaking
		176 - 185	Graph 1 jitter
		186 - 195	Graph 2 jitter
		196 - 205	Figure 3 Shake
		206 - 215	Figure 4 Shake
		216 - 225	Figure 5 Shake
		226 - 235	Figure 6 Shake
		236 - 245	Graph 7 jitter
		246 - 255	Graph 8 jitter
10	Dynamic diagram disk	0 - 14	Glass circular hole
		15 - 29	Picture 1
		30 - 44	Picture 2
		45 - 59	Picture 3

		60 - 74	Picture 4
		75 - 89	Picture 5
		90 - 104	Picture 6
		105 - 119	Picture 7
		120 - 129	Glass image 1 shaking
		130 - 139	Glass image 2 shaking
		140 - 149	Glass diagram 3 shaking
		150 - 159	Picture 4 jitter
		160 - 169	Glass Figure 5 Shake
		170 - 179	Glass chart 6 jitter
		180 - 189	Glass diagram 7 shaking
		190 - 221	Rotate counterclockwise from slow to fast
		222 - 223	Glass circular hole
		224 - 255	Clockwise rotation from fast to slow
11	Rotating motion diagram	0 - 127	any position
		128 - 189	Clockwise rotation from fast to slow
		190 - 193	Stop
		194 - 255	Rotate counterclockwise from slow to fast
12	prism	0 - 127	No effect
		128 - 255	Cut into prism
13	Prism rotation	0 - 127	Linear rotation
		128 - 187	Clockwise rotation from fast to slow
		187 - 195	Stop
		196 - 255	Rotate counterclockwise from slow to fast
14	atomization	0 - 127	No effect
		0 - 255	Cut into atomization
15	Magnify	0 - 255	0% -100% linear amplification
16	focusing	0 - 255	0% -100% linear focusing
17	Reset	0 - 25	No effect
		26 - 76	Small motor reset
		77 - 127	XY motor reset
		128 - 255	Reset all motors

1.Display board function operation



LEFT and RIGHT keys work the same: return to the previous menu.

UP and DOWN keys: select and edit.

ENTER key (OK key): run functions, confirm editing, and exit editing.

- **MENU :** Loop through the top-level menu or return to the previous menu
- **ENTER:** Enter the next level menu or confirm and save the selected parameters
- **UP:** Up the menu, switch the selected parameter or increase the value
- **DOWN:** Go down the menu and switch to the selected parameter or decrease the value

Menu Structure

Settings		Function
address code	1 - 512	Set address code
passage	17CH	Set channel
Operation Mode	DMX512/self-propelled/voice controlled/manual	Set operating mode
Automatic Address Code	open/Close	Automatically calculate the address code, for example, if the current address code is 1 and the channel mode is 16CH, after turning on the automatic address code, pressing the set address code will automatically increase it by 16, that is, the address code will become 17

Signal retention	open/Close	After activation, if there is no signal, the original action will be maintained
XY exchange	open/Close	Exchange of X and Y channels
X-axis reversal	open/Close	X-axis reversal
Y-axis reversal	open/Close	Y-axis reversal
Encoder error correction	open/Close	Encoder error correction
Hall error correction	open/Close	Hall error correction
Restore settings	open/Close	Restore factory settings (but do not restore fine tuning data)

manual		Function
01. X-axis	0-255	
02. Fine adjustment of X-axis	0-255	
03. Y-axis	0-255	
04. Y-axis fine-tuning	0-255	
05. XY speed	0-255	
06. Dimming	0-255	
07. Strobe	0-255	
08. Color palette	0-255	
09. Fixed diagram disk	0-255	
10. Dynamic diagram disk	0-255	
11. Dynamic image rotation	0-255	
12. Prism	0-255	
13. Prism rotation	0-255	
14. Atomization	0-255	
15. Zoom in	0-255	
16. Focusing	0-255	
17. Reset	0-255	

Calibration	effect
Please enter a 4-digit password to use this feature	

password

display		effect
Screen saver time	15 seconds/30 seconds/60 seconds/off	After the time arrives, return to the desktop
backlight time	15 秒/30 秒/60 秒/关	When the time is up, the screen will turn off
Screen Flip	open/Close	Screen forward and reverse control
Language	Chinese/English	Choose Chinese or English

Reset		effect
reset all	Yes/No	Reset all motors
XY reset	Yes/No	XY motor reset
Head reset	Yes/No	Reset the small motor on the head

DMX data monitoring	effect
Monitor the DMX512 data values of each channel	

Reset information	effect
If the system reset is normal, it will be displayed as normal. If there is a reset error, the corresponding reset error message will be prompted	

sensor information		effect
X encoder	*****	Current encoder count value
Y encoder	*****	Current encoder count value
X encoder status	00/11	Encoder A and B signal line status
Y encoder status	00/11	Encoder A and B signal line status
X Hall	0/1	Hall state, Hall at magnet position is 1, otherwise it is 0
Y Hall	0/1	Hall state, Hall at magnet position is 1, otherwise it is 0

Color dial Hall	0/1	Hall state, Hall at magnet position is 1, otherwise it is 0
Pattern disk Hall	0/1	Hall state, Hall at magnet position is 1, otherwise it is 0
Focusing Hall	0/1	Hall state, Hall at magnet position is 1, otherwise it is 0

Usage Log	effect
Usage frequency, usage time, flashing time, etc	

system version	effect
System hardware version, software version number	

Instructions:

1. When restoring factory settings, only the underlined parameters in the menu are restored, and other parameters will not be automatically restored or reset to zero.
2. **【Send local parameters】** The menu allows for the parameter settings with underlined items in this device to be sent to another or multiple lighting fixtures through a DMX data cable, avoiding duplicate setup work. When the received light fixture receives the correct parameters, a reset will occur.

1. Troubleshooting

Fault	Solution
The lighting fixture is not powered and has no response at all	<ul style="list-style-type: none"> ➤ Check if the fuse is damaged ➤ Check if the AC voltage is normal ➤ The internal switch power supply of the lamp body may be

	<p>damaged</p> <ul style="list-style-type: none"> ➤ The internal control board of the lamp body may be damaged
Uncontrolled lighting fixtures	<ul style="list-style-type: none"> ➤ Check if the DMX signal is normal. When it is normal, the display board's DMX signal indicator light will flash ➤ Check if the address code is set correctly ➤ Check if the channel mode is set correctly ➤ Check if the DMX signal cable is too long or if there are too many light fixtures connected in series
XY axis displacement is abnormal	<ul style="list-style-type: none"> ➤ The optocoupler sensor may be damaged or improperly installed, causing it to correct its original position. Set it to 'No' in the 'XY Error Correction Enable' option of the menu. Or adjust the optocoupler sensor circuit board to the appropriate position, or replace this circuit board