



DORADO 800 IP

IP MOVING STROBE



USER MANUAL

KEEP THIS USER MANUAL FOR FUTURE NEEDS



Chapter 1 Installation and attention

1. Maintenance

- ❖ Intermittently using will extend this item's service life.
- ❖ Please clear the fan ,fan net , and optical lens in order to keep good work state.
- ❖ Do not use the alcohol or any other organic solvent to wipe the shell.

2. Statement

The product has perfect performance and integrity packing. All users should be strictly complying with the warning and operating instructions as stated. Or we aren't in charge of any result by misusing. Any damage resulting by misuse is not within the Company's warranty. Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Note: All information is subject to change without prior notice.

3. Safety Precaution

- ❖ Always mount this unit in safe and stable matter.
- ❖ Install or dismantle should operate by professional engineer.
- ❖ Using lamp, the change rate of power voltage should be within $\pm 10\%$, If the voltage is too high , it will shorten the light's life; If it's not enough, will influence the effect.
- ❖ Please restart it 20 minutes later after turning off light , until full-cooling. Frequent switching will reduce the life span of lamps and bulbs; intermittent using will improve the life of bulbs and lamps.
- ❖ In order to make sure the product is used well, please read the Manual carefully.

Use a cable conforming to specifications EIARS-485: 2-pole twisted, shielded, 120Ohm characteristic impedance, 22-24AWG, low capacity. Do not use microphone cable or other cable with characteristics differing from those specified. The end connections must be made using XLR type 3 or 5-pin male/female connectors. A terminating plug must be inserted into the last projector with a resistance of 120Ohm (minimum 1/4 W) between terminals 2 and 3.

IMPORTANT: The wires must not make contact with each other or with the metal casing of the connectors. The casing itself must be connected to the shield braid and to pin 1 of the connectors.

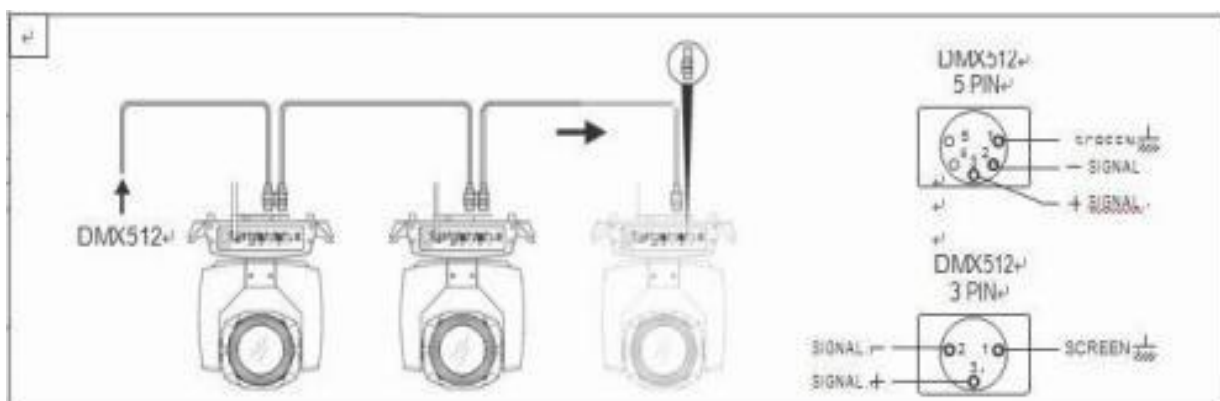


Figure 1 DMX Cable connection

4. Product Instruction

- Light source:
- Colored light: 504 x 0.5W RGB LED
- White light: 96 x 5W CW LED
- Power: 800 W
- Beam angle:
- Colored light beam angle: 101°
- White light beam angle: 108°
- Spot angle:
- Colored light spot angle: 149°
- White light spot angle: 152°
- Colored light : 24 zones can be controlled individually
- White light : 8 zones can be controlled individually
- Excellent color mixing function
- Powerful high-output strobe effect
- Electronic Frost effect by DMX
- 0-100% smooth dimming function
- Optical system
- Efficient optical system
- Control and program
- 4 touch buttons
- Control panel: 1.77 color screen display
- Control protocol: DMX512, RDM
- DMX channel mode: 4 types
- Control channel: 7/20/100/83CH
- Software upgrade: Update software via DMX connection
- Protection level: IP65

Chapter 2 Structure of menu

Menu	Function	Value	Default value
DMX	Address	001	001
	CH	7CH/20CH/100CH/83CH	20CH
Root	Enter password	----- (up↑) (down↓)	↑↓↑↓↑↓
	R current	020--255	235
	G current	020--255	235
	B current	020--255	235
	W current	020--255	235
	Temperature	40--80	55
	Power	050--255	255
	Motor stroke	0-255	128
	Motor calibration	0-255	128
	Push	是/否	否
	Change password		
Light Effect	White Balance	R:000-255	R:255
		G:000-255	G:255
		B:000-255	B:255
		W:000-255	W:255
		M:000--255	M:0
		A:000--255	A:0
		D:000-100	D:100
	Marco	RGB mode 0-51	1 Note: 0 has no effect
		RGB speed 0-100%	50% 0: Stop 1-50: Forward running 51-100: Reverse running
		W mode 0-28	1 Note: 0 has no effect
		W speed 0-100%	50% 0: Stop 1-50: Forward running 51-100: Reverse running
		RGBW mode 0-48	1 Note: 0 has no effect and RGB mode and W mode are invalid when RGBW mode is greater than 0
		RGBW speed 0-100%	50% 0: Stop 1-50: Forward running 51-100: Reverse running
		Brightness 0-100%	100%
		Motor 0-255	0 0-128: Motor focus 129-255: Adjust motor self-propelled speed
		Atomization 0-255	0
Signal	Clear		Clear
	Keep		
EN	Chinese		Chinese
	English		
Settings	Screen saver	On/Off	On
	Screen background color	R	065
		G	105
		B	230

	Fan mode	Controllable	Controllable Note: When the temperature control is short-circuited or disconnected, the fan is only controlled by the light, that is, the fan starts when the light is turned on, and the fan stops after 20 seconds when the light is turned off; under normal temperature control, the fan starts when the temperature is above 45 degrees, and stops when the temperature is below 40 degrees.
		Normal rotation	
	Factory reset	Yes/No	No
	LOCK	On/Off	Open Unlock password: MENU-UP-DOWN-ENTER
	Motor phase	Normal/Reverse phase	Normal phase
	Encoder	On/Off	Open
	Rotate screen	Yes/No	No

Chapter 3 Channel description

7CH

CH	Value	Function	Description
1	000-255	Motor	
2	000-255	Motor fine-tuning	
3	000-255	Atomization	
4	000-255	R dimming	R dimming, linear dimming, from dark to bright
5	000-255	G dimming	G dimming, linear dimming, from dark to bright
6	000-255	B dimming	B dimming, linear dimming, from dark to bright
7	000-255	W dimming	W dimming, linear dimming, from dark to bright

20CH

CH	Value	Function	Description
1	000-255	Motor	Channel 3 must be lower than 128
2	000-255	Motor fine-tuning	
3	000-255	Motor self-propelled speed	000-128: None (motor is controlled by channel 1) 129-255: motor self-propelled speed
4	000-255	Atomization	
5	000-255	Total dimming	Overall dimming, linear dimming, from dark to bright
6	000-255	RGB strobe	RGB strobe, from slow to fast 000-005: None 006-255: Normal strobe
7	000-255	RGB macro function selection	0--4: empty; 5--8: pulse change 9--12: gradual change 13--16: jump change 17--20: total effect polling 21--25: effect 5 26--30: effect 6 246--250: effect 50 251--255: effect 51
8	000-255	RGB function speed	Function speed, from slow to fast 0: stop 1-127: forward running 128-255: reverse running
9	000-255	RGB background color	0--45: Null; 46--75: R 76--105: G 106--135: B 136--165: RG 166--195: GB 196--225: RB 226--255: RGB
10	000-255	RGB background color dimming	Dimming, linear dimming, from dark to bright

11	000-255	R dimming	R dimming, linear dimming, from dark to bright
12	000-255	G dimming	G dimming, linear dimming, from dark to bright
13	000-255	B dimming	B dimming, linear dimming, from dark to bright
14	000-255	W strobe	W strobe, from slow to fast 000-005: None 006-255: Normal strobe
15	000-255	W macro function selection	0--5: empty; 6--10: pulse change 11--15: total effect polling 16--25: effect 3 26--35: effect 4 36--45: effect 5 46--55: effect 6 226--235: effect 24 236--240: effect 25 241--245: effect 26 246--250: effect 27 251--255: effect 28
16	000-255	W function speed	Function speed, from slow to fast 0: stop 1-127: forward running 128-255: reverse running
17	000-255	W dimming	W dimming, linear dimming, from dark to bright
18	000-255	RGBW strobe	RGBW strobe, from slow to fast 000-005: None 006-255: Normal strobe
19	000-255	RGBW macro function selection	0--5: empty; 6--20: total effect polling 21--25: effect 2 26--30: effect 3 246--250: effect 47 251--255: effect 48
20	000-255	RGBW function speed	Function speed, from slow to fast 0: stop 1-127: forward running 128-255: reverse running

100CH

CH	Value	Function	Description
1	000-255	Motor	Channel 3 must be lower than 128
2	000-255	Motor fine-tuning	
3	000-255	Motor self-propelled speed	000-128: None (motor is controlled by channel 1) 129-255: motor self-propelled speed
4	000-255	Atomization	
5	000-255	Total dimming	Overall dimming, linear dimming, from dark to bright
6	000-255	RGB strobe	RGB strobe, from slow to fast 000-005: None 006-255: Normal strobe

7	000-255	RGB macro function selection	0--4: empty; 5--8: pulse change 9--12: gradual change 13--16: jump change 17--20: total effect polling 21--25: effect 5 26--30: effect 6 246--250: effect 50 251--255: effect 51
8	000-255	RGB function speed	Function speed, from slow to fast 0: stop 1-127: forward running 128-255: reverse running
9	000-255	RGB background color	0--45:Null; 46--75:R 76--105:G 106--135:B 136--165:RG 166--195:GB 196--225:RB 226--255:RGB
10	000-255	RGB background color dimming	Dimming, linear dimming, from dark to bright
11	000-255	R dimming	R dimming, linear dimming, from dark to bright
12	000-255	G dimming	G dimming, linear dimming, from dark to bright
13	000-255	B dimming	B dimming, linear dimming, from dark to bright
14	000-255	R1 dimming	R1 dimming, linear dimming, from dark to bright
15	000-255	G1 dimming	G1 dimming, linear dimming, from dark to bright
16	000-255	B1 dimming	B1 dimming, linear dimming, from dark to bright
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84	000-255	G24 dimming	G24 dimming, linear dimming, from dark to bright
85	000-255	B24 dimming	B24 dimming, linear dimming, from dark to bright
86	000-255	W Strobe	W strobe, from slow to fast 000-005: None 006-255: Normal strobe
87	000-255	W macro function selection	0--5: empty; 6--10: pulse change 11--15: total effect polling 16--25: effect 3 26--35: effect 4 36--45: effect 5 46--55: effect 6 226--235: effect 24 236--240: effect 25 241--245: effect 26 246--250: effect 27 251--255: effect 28
88	000-255	W function speed	Function speed, from slow to fast 0: stop 1-127: forward running 128-255: reverse running
89	000-255	W dimming	W dimming, linear dimming, from dark to

			bright
90	000-255	W1 dimming	W1 dimming, linear dimming, from dark to bright
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97	000-255	W8 dimming	W8 dimming, linear dimming, from dark to bright
98	000-255	RGBW strobe	RGBW strobe, from slow to fast 000-005: None 006-255: Normal strobe
99	000-255	RGBW macro function selection	0--5: empty; 6--20: total effect polling 21--25: effect 2 26--30: effect 3 246--250: effect 47 251--255: effect 48
100	000-255	RGBW function speed	Function speed, from slow to fast 0: stop 1-127: forward running 128-255: reverse running

83CH

CH	Value	Function	Description
1	000-255	Motor	
2	000-255	Motor fine-tuning	
3	000-255	Atomization	
4	000-255	R1 dimming	R1 dimming, linear dimming, from dark to bright
5	000-255	G1 dimming	G1 dimming, linear dimming, from dark to bright
6	000-255	B1 dimming	B1 dimming, linear dimming, from dark to bright
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74	000-255	G24 dimming	G24 dimming, linear dimming, from dark to bright
75	000-255	B24 dimming	B24 dimming, linear dimming, from dark to bright
76	000-255	W1 dimming	W1 dimming, linear dimming, from dark to bright
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83	000-255	W8 dimming	W8 dimming, linear dimming, from dark to bright