900B Wind Fire Wheel

USER MANUAL

Please read manual carefully before use

CONTENTS

Thank you for choosing our LED lights. Each facility has been rigorously tested. Please check whether the facility has been damaged during transportation. If you find any parts are missing or broken, please contact the manufacturer immediately. Please do not return the product without any notice!

1.Safety Instructions

⚠ Please read this manual carefully, which includes important information on installation,use and maintenance.

Attention

● Please keep this USER MANUAL for future consultation. If you sell the facility to another user, be sure that they also receive this USER MANUAL.

● Please open and check in details and make sure there is no transportation damage.

● Before operating, ensure that the voltage and frequency of power supply match the power requirements of the facility.

● It's important to ground the yellow/green conductor to earth in order to avoid electric shock.

● The facility must be installed in a location with adequate ventilation, at least 50 cm from adjacent surfaces. Be sure that no ventilation slots are blocked.

● Make sure the power is disconnected before removing the facility.

● Make sure there are no flammable materials close to the unit while operating as it is fire hazard.

● Use safety cable when fixes this facility. Do not handle the facility by taking its head only, but always by taking its base.

● Maximum ambient temperature is 40 ℃. Do not operate it where the temperature is higher than this.

● Please stop using the facility for serious operating problems. Stop using the facility immediately. Never try to repair the facility by yourself, but be a professional technician. Please contact the supplier's service department

for technical support.

- Do not touch any wire during operation as high voltage might be causing electric shock.

- When the housing or lens is damaged, it must be replaced.

- Direct sunlight or any other strong light source penetrating the lens of the light will cause serious internal damage to the facility. During unpacking, installation, use and long-term outdoor idleness, it is forbidden to expose the lens of the facility to direct sunlight or any other strong light source at any angle. It is forbidden to aim the beam of one light directly at another light.
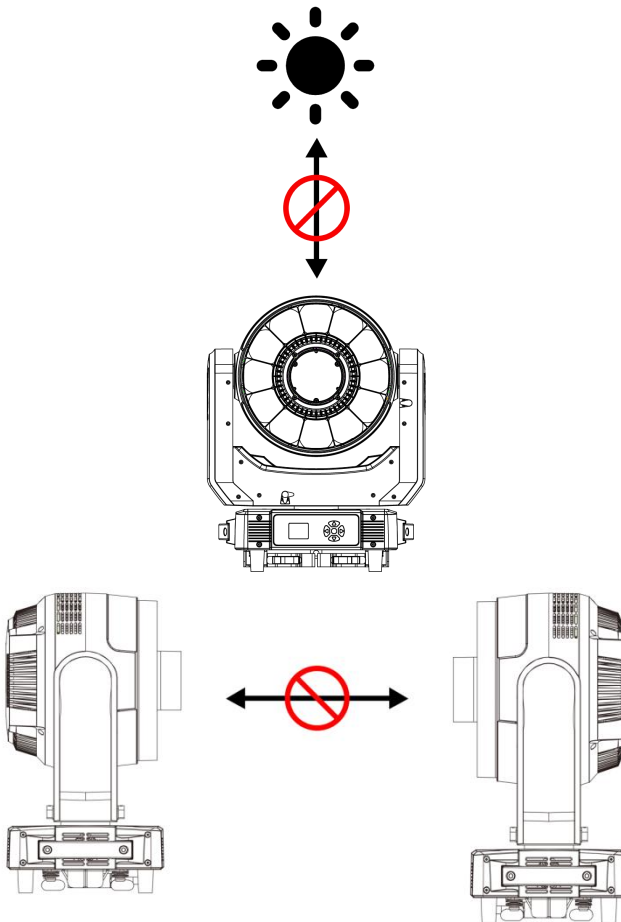
Caution

There are no accessories available, do not open the housing and try to repair the facilities yourself. Please contact our company for after service.

Installation

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The facility must be installed by professionals, and keep it far away from fire, walking road, and easy touched place.

2. Technical Specification

Light Source	1x 220W 4IN1 RGBW LED 12x 60 W 4IN1 RGBW LED 48x 0.1 W 4IN1 RGB LED
LED Lifetime	≥ 50000H
Power Consumption	980±5%W,Power factor PF ≥ 0.95; Standby power: 22.5W
Power Voltage	AC100-240V ，50-60Hz
Beam Angle	Ring Beam Angle:4°~ 40°,Center Beam Angle:4.5°~ 28°,Glass light guider + PMMA high quality optical lens
Control Modes	DMX512/ Auto/ Sound/ Master/ Manual/ RDM/ Art Net(optional)
DMX Channel	37/ 38/ 47/ 75 Channel
DMX+ART NET DMX Channel	22+52 Channel
Protection Rating	IP20
Display	1.8°TFT Color Display,Can rotate 180 degrees, switch

	between Chinese and English
Data In/Out Socket	3-pin & 5-pin XLR sockets
Working temperature	-10℃～45℃
Security protection	Over-current, over-voltage, over-heat
Power Socket	Power-Con in/ out
Housing Material	ABS High temperature resistant plastics
Electronic control technology	Menu or console control facility reset; 0-100% dimming; constant current drive mode; temperature sensor detection, intelligent adjustment of light source power; facility information query; intelligent fan speed regulation; magnetic encoding positioning system.
Pan	540° (16bit accurate scanning)
Tilt	270° (16bit accurate scanning)
MAX. Connection	4 units（240V，50Hz）2.5mm² power cable
	2 units（100V，60Hz）2.5mm² power cable
Dimension	421mm*376mm*545mm Net Weight：24kg
Carton Package	595mm*400mm*510mm 1in1 GW: 28kg
Flight Case	880mm*495mm*770mm 2in1 GW: 82.18 kg
Features	Full light range dimming, 256-level dimming accuracy; fast strobe 1~25Hz; LED single control; preset multiple color macro functions, 200W lamp beads can image rotation/frost; preset multiple effects (WASH, Single control, strobe) macro functions
Attention	As soon as the facility is powered on and self-tested, it will enter the locked screen state, or when there is no operation on the screen, the screen will automatically turn off and enter the locked screen state. The unlock password is up＋down＋up＋down
Configuration	Signal cable 1pc
	Power cable 1pc
	Manual 1pc

3. DMX Set Up

Pin1: Ground　　　　　**pin2: Negative**　　　　　**pin3: Positive**
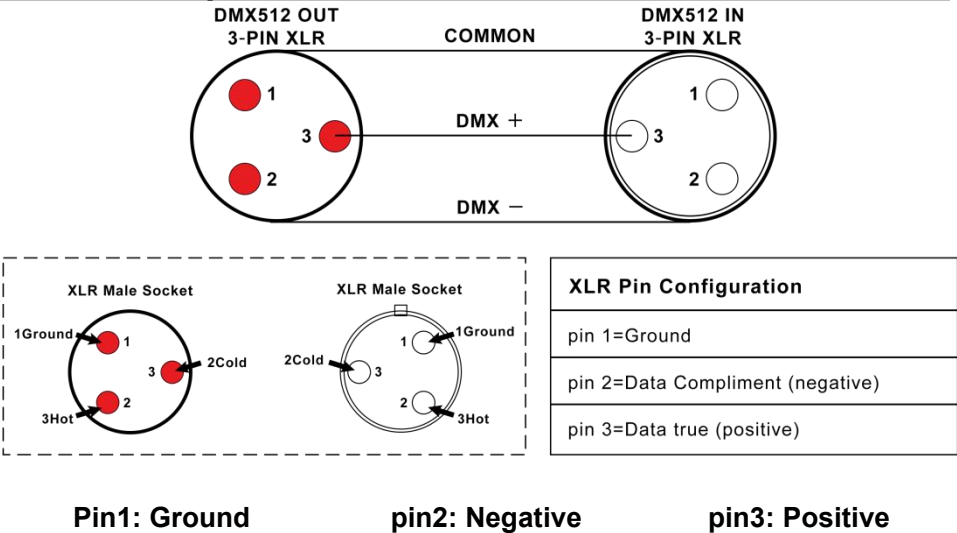
DMX Connection

To ensure optimal transmission of DMX data, please connect facilities in the shortest way. The connection order won't affect the DMX address code. For example, if the address code is set to 1, no matter where the facility is connected, its address code will not change. This is determined by the principle of the DMX controller.

Operation method

You can operate in the following three modes:
- Auto mode - the light can automatically complete all color changes
- DMX control mode - each light can be individually controlled by a standard DMX512 console
- Master mode - any light can work as a host in any of the above modes, and the other lights will work synchronously as slaves

4. Display

There are four buttons on the LED panel: MENU, UP, DOWN, and ENTER.

Display
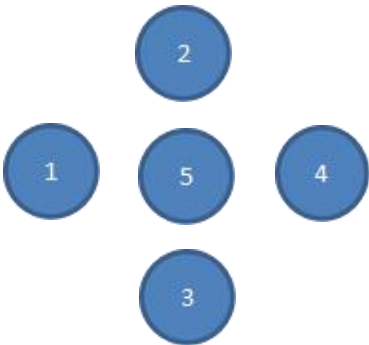
Please press the "MENU" to exit or return to the previous menu, press "UP" or "DOWN" to select the upper and lower menus or adjust the values, and press "ENTER" to confirm.
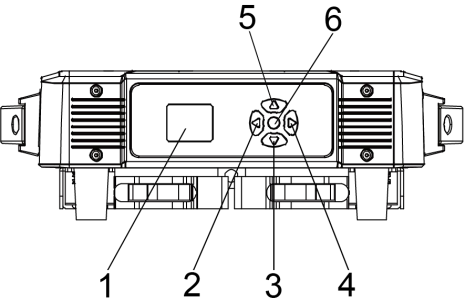
FRONT VIEW   **REAR VIEW**
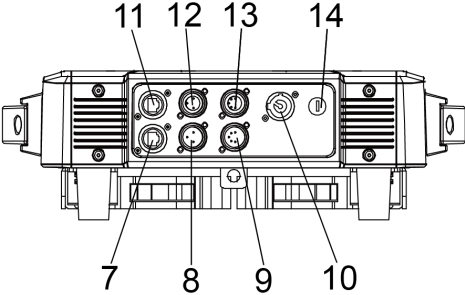
After powering on, the facility will automatically return to the last operation when it was powered off, then get into standby status. For more details, please refer to the information below↓

5. Menu

1-MENU 2-UP 3-DOWN 4-ENTER			
Menu	1.Pan Degree	1.540 2.360	Pan move angle
	2.Mic Sense	001-100	Sound control sensitivity adjustment
	3.Language	1.English	Language selection
		2.Chinese	
	4.No Signal	1.BlackOut 2.Hold	
	5.Fan Set	1.Auto 2.Low 3.High	
	6.ArtNet Set	1.ArtNet Enable：1.ON 2.OFF	
		2.Universe:0--255	
		3.IP Mode：A.2.X.X.X Auto B.10.X.X.X Auto C.Customer	
		4.Customer IP:192.168.000.001	
		5.SubNetMask：255.000.000.000	
	7.Reset	1.Yes	
		2.No	
	8.Default	1.Yes	Restore factory settings
		2.No	

9.Adjust	Password: ****	Changing the values of Pan/Tilt/Focus/Rotate/Frost can correct the angle; changing the values of R/G/B/W can adjust the white balance
	1.Pan: 0-255	
	2.Tilt: 0-255	
	3.Focus1: 0-255	
	4.Rota1: 0-255	
	5.Frost: 0-255	
	6.Red1: 0-255	
	7.Green1: 0-255	
	8.Blue1: 0-255	
	9.White1: 0-255	
	10.Focus2: 0-255	
	11.Rota1: 0-255	
	12.Red2: 0-255	
	13.Green2: 0-255	
	14.Blue2: 0-255	
	15.White2: 0-255	
Address	001-512		Set the address code from 001 to 512
Reverse	Pan	1.YES	2.NO	
	2.Tilt	1.YES	2.NO	
	3.Display	1.YES	2.NO	
Information	1.CH Value		Display all channel information

	2.Temperature℃			Display LED board temperature
	3.Version			Program version number
	4.IP	IP 002.018.016.001		Default IP
	5.Mask	Mask 255.000.000.000		Default submask
Mode	1.DMX512			Setting the control mode
	2.Auto	1.Master 2.Alone		
	3.Sound	1.Master 2.Alone		
	4.Manual	1.Master 2.Alone	1.Pan: 0-255	Manual Control
			2.Tilt: 0-255	
			3.Focus: 0-255	
			4.Rotate: 0-255	
			5.Frost: 0-255	
			6.Red 1: 0-255	
			7.Green 1: 0-255	
			8.Blue 1: 0-255	
			9.White 1: 0-255	
			10.Strobe 1: 0-255	
			11.Focus 2:0-255	
			12.Rotate 2:0-255	
			13.Red 2: 0-255	
			14.Green 2: 0-255	

			15.Blue 2: 0-255	
			16.White 2: 0-255	
			17.Strobe 2: 0-255	
			18.Red 3: 0-255	
			19.Green 3: 0-255	
			20.Blue 3: 0-255	
			21.Strobe 3: 0-255	
Channel	1.30Channels	1.30Channels		Choose channel mode
	2.37Channels	2.37Channels		
	3.38Channels	3.38Channels		
	4.47Channels	4.47Channels		
	5.75Channels	5.75Channels		
	6.52Channels	6.52Channels（DMX+ArtNet）		

6. LUX Data

Beam Angle = 4.0° (WASH)

R lux	193500	21500	7740	3948	1935
G lux	437500	48611	17500	8928	4375
B lux	78000	8666	3120	1590	780
W lux	663250	73694	26530	13530	6630
4in1 lux	1287500	143055	51500	26270	12870

Beam Angle = 4.5° (Multi-Coloured Flower Effects)

R lux	57500	6388	2300	1173	575
G lux	121000	13444	4840	2469	1210
B lux	31750	3527	1270	647	317
W lux	282500	31388	113000	5765	2825
4in1 lux	425000	47222	17000	8673	4250

Distance(m)	1	3	5	7	10
Spot diameter (m) 4.0°	8.4	2.55	4.2	5.8	8.4
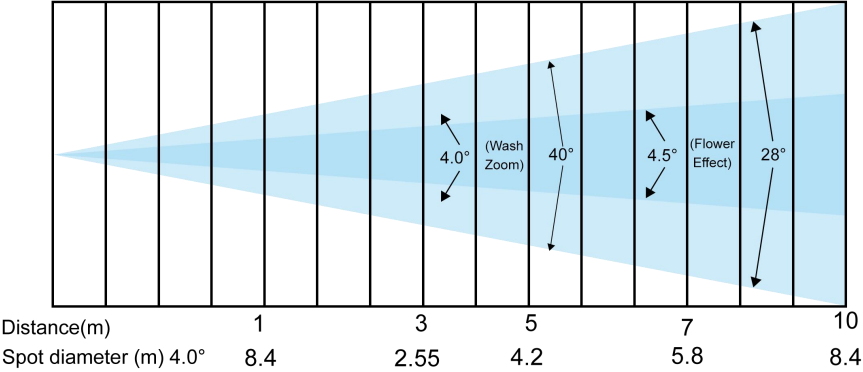
7. DMX Channel List

▶37CH Mode

CH	Function		DMX Value	Description
1	Pan		0-255	Pan
2	Pan adjustment		0-255	Pan adjustment
3	Tilt		0-255	Tilt
4	Tilt adjustment		0-255	Tilt adjustment
5	Speed of Pan/Tilt		0-255	From fast to slow
6	Dimming curve		0-49	Linear dimming
			50-99	Square rate dimming
			100-149	Inverse square rate dimming
			150-255	S-curve dimming
7	Middle LED-200W	Dimmer	0-255	From dark to bright
8		Dimmer adjust	0-255	Dimmer adjustment control
9		Strobe	0-3	Turn on the light
			4-203	Synchronous strobe speed from slow to fast (1Hz-25Hz)
			204-255	Random strobe
10		R dimmer	0-255	From dark to bright
11		G dimmer	0-255	From dark to bright
12		B dimmer	0-255	From dark to bright

CH	Function		DMX Value	Description
13		W dimmer	0-255	From dark to bright
14		Zoom	0-255	From narrow to wide
15		Rotation	0-127	Slide (0~360 degrees)
			128-189	Flow (clockwise from fast to slow)
			190-193	Stop
			194-255	Flow (counterclockwise from slow to fast)
16		Frost	0-127	No function
			128-255	Frost
17		Color temperature	0-15	No function
			16-35	R100%, G UP, B0%
			36-55	R DOWN, G100%, B0%
			56-75	R0%, G100%, B UP
			76-95	R0%, G DOWN, B100%
			96-115	R UP, G0%, B100%
			116-135	R100%, G0%, B DOWN
			136-155	R100%, G UP, B UP
			156-175	R DOWN, G DOWN, B100%
			176-195	R 100%, G 100%, B100%, W100%
			196-200	2800K
			201-205	3200K

CH	Function		DMX Value	Description
			206-210	3500K
			211-215	4000K
			216-220	4500K
			221-225	5000K
			226-230	5500K
			231-235	6000K
			236-240	6500K
			241-245	7000K
			246-250	7500K
			251-255	8000K
18	Outside LED-40W	Dimmer	0-255	From dark to bright
19		Dimmer adjust	0-255	From dark to bright
20		Strobe	0-3	Turn on the light
			4-203	Synchronous strobe speed from slow to fast (1Hz-25Hz)
			204-255	Random strobe
21		R dimmer	0-255	From dark to bright
22		G dimmer	0-255	From dark to bright
23		B dimmer	0-255	From dark to bright
24		W dimmer	0-255	From dark to bright
25		Zoom	0-255	From narrow to wide

CH	Function		DMX Value	Description
26		Rotation	0-155	0~60 degree
			156-205	Clockwise Infinitely Rotating
			206-255	Counterclockwise Infinitely Rotating
27		Color temperature	0-15	No function
			16-35	R100%,G UP,B0%
			36-55	R DOWN,G100%,B0%
			56-75	R0%,G100%,B UP
			76-95	R0%,G DOWN,B100%
			96-115	R UP,G0%,B100%
			116-135	R100%,G0%,B DOWN
			136-155	R100%,G UP,B UP
			156-175	R DOWN,G DOWN,B100%
			176-195	R 100%,G 100%,B100%,W100%
			196-200	2800K
			201-205	3200K
			206-210	3500K
			211-215	4000K
			216-220	4500K
			221-225	5000K
			226-230	5500K

CH	Function		DMX Value	Description
			231-235	6000K
			236-240	6500K
			241-245	7000K
			246-250	7500K
			251-255	8000K
28		Dynamic effect	0-9	No function
			10-14	Dynamic effect 1
			15-19	Dynamic effect 2
			......（5 numbers in 1）	......
			185-189	Dynamic effect 36
			190-255	Dynamic effect 37
29		Dynamic effect speed	0-127	Forward, from fast to slow
			128-255	Reverse, from slow to fast
30	Ring	Dimmer	0-255	From dark to bright
31		Strobe	0-3	Light on
			4-203	Synronous strobe speed from slow to fast (1HZ-25HZ)
			204-255	Random strobe
32		R dimmer	0-255	From dark to bright
33		G dimmer	0-255	From dark to bright

CH	Function		DMX Value	Description
34		B dimmer	0-255	From dark to bright
35		Dynamic effect	0-9	No function
			10-14	Static pattern 1
			15-19	Static pattern 2
			...... (5 numbers in 1)	......
			40-44	Static pattern 9
			45-49	Dynamic pattern 1
			50-54	Dynamic pattern 2
			...... (5 numbers in 1)	......
			190-194	Dynamic pattern 28
			195-255	Dynamic pattern 29
36		Dynamic effect speed (with 31 CH)	0-127	Clockwise, from fast to slow
			128-255	Counterclockwise, from slow to fast
37	Function		0-137	No function
			138-149	PWM output frequency 1K-64K (stay for 3s) 1K, 2K, 4K, 6K, 8K, 10K, 16K, 20K, 24K, 32K, 48K, 64K
			150-159	Fast dimming
			160-169	Slow dimming (from fast to slow)
			170-250	No function

CH	Function	DMX Value	Description
		251-255	Lamp body reset (stay for 3s)

▶38CH Mode

CH	Function		DMX Value	Description
1	Pan		0-255	Pan
2	Pan adjustment		0-255	Pan adjustment
3	Tilt		0-255	Tilt
4	Tilt adjustment		0-255	Tilt adjustment
5	Speed of Pan/Tilt		0-255	From fast to slow
6	Dimming curve		0-49	Linear dimming
			0-49	Square rate dimming
			100-149	Inverse square rate dimming
			150-255	S-curve dimming
7	Dimmer		0-255	From dark to bright
8	Dimmer adjust		0-255	Dimming adjustment control
9	Middle LED-200W	Strobe	0-3	No function
			4-203	Synchronous strobe speed from slow to fast (1Hz-25Hz)
			204-255	Random strobe
10		R dimmer	0-255	From dark to bright

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CH	Function		DMX Value	Description
11		R adjust dimming	0-255	From dark to bright
12		G dimmer	0-255	From dark to bright
13		G adjust dimming	0-255	From dark to bright
14		B dimmer	0-255	From dark to bright
15		B adjust dimming	0-255	From dark to bright
16		W dimmer	0-255	From dark to bright
17		W adjust dimming	0-255	From dark to bright
18		Zoom	0-255	From narrow to wide
19		Rotation	0-127	Slide (0~360 degrees)
			128-189	Flow (clockwise from fast to slow)
			190-193	Stop
			194-255	Flow (counterclockwise from slow to fast)
20		Frost	0-127	No function
			128-255	Frost
21		Color temperature	0-15	No function
			16-35	R100%, G UP, B0%
			36-55	R DOWN, G100%, B0%
			56-75	R0%, G100%, B UP
			76-95	R0%, G DOWN, B100%
			96-115	R UP, G0%, B100%

CH	Function		DMX Value	Description
			116-135	R100%, G UP, B DOWN
			136-155	R 100%DOWN, G UP, B UP
			156-175	R DOWN, G DOWN, B100%
			176-195	R100%, G100%, B100%, W100%
			196-200	2800K
			201-205	3200K
			206-210	3500K
			211-215	4000K
			216-220	4500K
			221-225	5000K
			226-230	5500K
			231-235	6000K
			236-240	6500K
			241-245	7000K
			246-250	7500K
			251-255	8000K
22	Outside LED-40W	Storbe	0-3	Light on
			4-203	Synchronous strobe speed from slow to fast (1Hz-25Hz)
			204-255	Random strobe
23		R dimmer	0-255	From dark to bright

CH	Function		DMX Value	Description
24		R adjust dimming	0-255	From dark to bright
25		G dimmer	0-255	From dark to bright
26		G adjust dimming	0-255	From dark to bright
27		B dimmer	0-255	From dark to bright
28		B adjust dimming	0-255	From dark to bright
29		W dimmer	0-255	From dark to bright
30		W adjust dimming	0-255	From dark to bright
31		Zoom	0-255	From narrow to wide
32		Rotation	0-155	0~60 degree
			156-205	Clockwise Infinitely Rotating
			206-255	Counterclockwise Infinitely Rotating
33		Color temperature	0-15	No function
			16-35	R100%，G UP,B0%
			36-55	R DOWN, G100%, B0%
			56-75	R0%, G100%, B UP
			76-95	R0%, G DOWN, B100%
			96-115	R UP, G0%, B100%
			116-135	R100%, G UP, B DOWN
			136-155	R 100%DOWN, G UP, B UP
			156-175	R DOWN, G DOWN, B100%

CH	Function		DMX Value	Description
33			176-195	R100%, G100%, B100%, W100%
			196-200	2800K
			201-205	3200K
			206-210	3500K
			211-215	4000K
			216-220	4500K
			221-225	5000K
			226-230	5500K
			231-235	6000K
			236-240	6500K
			241-245	7000K
			246-250	7500K
			251-255	8000K
34	Ring	Strobe	0-3	Light on
			4-203	Synchronous strobe speed from slow to fast (1Hz-25Hz)
			204-255	Random strobe
35		R dimmer	0-255	From dark to bright
36		G dimmer	0-255	From dark to bright
37		B dimmer	0-255	From dark to bright
38	Function		0-137	No function

CH	Function	DMX Value	Description
		138-149	PWM output frequency 1K-64K (stay for 3s) 1K, 2K, 4K, 6K, 8K, 10K, 16K, 20K, 24K, 32K, 48K, 64K
		150-159	Fast dimming
		160-169	Slow dimming (from fast to slow)
		170-250	No function
		251-255	Lamp body reset (stay for 3s)

▶47CH Mode

CH	Function		DMX Value	Description
1	Pan		0-255	Pan
2	Pan adjustment		0-255	Pan adjustment
3	Tilt		0-255	Tilt
4	Tilt adjustment		0-255	Tilt adjustment
5	Speed of Pan/Tilt		0-255	from fast to slow
6	Dimming curve		0-49	Linear dimming
			50-99	Square rate dimming
			100-149	Inverse square rate dimming
			150-255	S-curve dimming
7	Middle LED-200W	Dimmer	0-255	From dark to bright
8		Dimmer adjust	0-255	Dimming adjustment control
9		Strobe	0-3	No function

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CH	Function		DMX Value	Description
			4-203	Synchronous strobe speed from slow to fast (1Hz-25Hz)
			204-255	Random strobe
10		R dimmer	0-255	From dark to bright
11		G dimmer	0-255	From dark to bright
12		B dimmer	0-255	From dark to bright
13		W dimmer	0-255	From dark to bright
14		Zoom	0-255	From Narrow to wide
15		Rotation	0-127	Slide (0~360 degrees)
			128-189	Flow (clockwise from fast to slow)
			190-193	Stop
			194-255	Flow (counterclockwise from slow to fast)
16		Frost	0-127	No function
			128-255	Frost
17		Color temperature	0-15	No function
			16-35	R100%，G UP,B0%
			36-55	R DOWN, G100%, B0%
			56-75	R0%, G100%, B UP
			76-95	R0%, G DOWN, B100%
			96-115	R UP, G0%, B100%

CH	Function	DMX Value	Description
		116-135	R100%, G UP, B DOWN
		136-155	R 100%DOWN, G UP, B UP
		156-175	R DOWN, G DOWN, B100%
		176-195	R100%, G100%, B100%, W100%
		196-200	2800K
		201-205	3200K
		206-210	3500K
		211-215	4000K
		216-220	4500K
		221-225	5000K
		226-230	5500K
		231-235	6000K
		236-240	6500K
		241-245	7000K
		246-250	7500K
		251-255	8000K
18	Macro color	0-9	No function
		10-19	Macro color 1
		20-29	Macro color 2

CH	Function		DMX Value	Description
			....	....(10 numbers 1 macro color)
			140-149	Macro color 14
			150-255	Macro color 15
19		Dimmer	0-255	From dark to bright
20		Dimmer adjust	0-255	From dark to bright
21		Strobe	0-3	Light on
			4-203	Synchronous strobe speed from slow to fast (1Hz-25Hz)
			204-255	Random strobe
22		R dimmer	0-255	From dark to bright
23		G dimmer	0-255	From dark to bright
24	Outside LED-40 W	B dimmer	0-255	From dark to bright
25		W dimmer	0-255	From dark to bright
26		Zoom	0-255	From narrow to wide
27		Rotation	0-155	0~60 degree
			156-205	Clockwise Infinitely Rotating
			206-255	Counterclockwise Infinitely Rotating
28		Color temperature	0-15	No function
			16-35	R100%, G UP, B0%
			36-55	R DOWN, G100%, B0%

CH	Function	DMX Value	Description
		56-75	R0%, G100%, B UP
		76-95	R0%, G DOWN, B100%
		96-115	R UP, G0%, B100%
		116-135	R100%, G UP, B DOWN
		136-155	R 100%DOWN, G UP, B UP
		156-175	R DOWN, G DOWN, B100%
		176-195	R100%, G100%, B100%, W100%
		196-200	2800K
		201-205	3200K
		206-210	4000K
		211-215	4500K
		216-220	5000K
		221-225	5600K
		226-230	6500K
		231-235	7000K
		236-240	7500K
		241-255	8000K
29	Macro color	0-9	No function
		10-19	Macro color 1

CH	Function		DMX Value	Description
			20-29	Macro color 2
			......(10 numbers in one）	......
			190-199	Macro color 19
			200-209	Macro color 20
			210-219	Macro color 21
			220-229	Macro color 22
			230-239	Macro color 23
			240-255	Macro color 24
30		Dynamic effect	0-9	No function
			10-14	Dynamic effect 1
			15-19	Dynamic effect 2
			......(5 numbers in one)	......
			185-189	Dynamic effect 36
			190-255	Dynamic effect 37
31		Movement	0-255	Selecting an effect scene
32		Dynamic effect speed	0-127	Clockwise, from fast to slow
			128-255	Counterclockwise, from slow to fast
33		Dynamic effect fade	0-255	Dynamic effect fade
34		Background dimmer	0-255	Background dimming 0~100%

CH	Function		DMX Value	Description
35		Background strobe	0-255	Background strobe
36		Background R	0-255	Pattern effect red
37		Background G	0-255	Pattern effect green
38		Background B	0-255	Pattern effect blue
39		Background W	0-255	Pattern effect white
40		Dimmer	0-255	From dark to bright
41		Strobe	0-3	Light on
			4-203	Synronous strobe speed from slow to fast (1Hz-25Hz)
			204-255	Random strobe
42		R dimmer	0-255	From dark to bright
43	Ring	G dimmer	0-255	From dark to bright
44		B dimmer	0-255	From dark to bright
45		effect	0-9	No function
			10-14	Static pattern 1
			15-19	Static pattern 2
			......(5 numbers in one)	......
			50-54	Static pattern 9
			55-59	Dynamic pattern 1
			60-64	Dynamic pattern 2

CH	Function		DMX Value	Description
			......(5 numbers in one)	......
			190-194	Dynamic pattern 28
			195-255	Dynamic pattern 29
46		Dynamic effect speed (with 45 CH)	0-127	Clockwise, from fast to slow
			128-255	Counterclockwise, from slow to fast
47		Function	0-137	No function
			138-149	PWM output frequency 1K-64K (stay for 3s) 1K, 2K, 4K, 6K, 8K, 10K, 16K, 20K, 24K, 32K, 48K, 64K
			150-159	Fast dimming
			160-169	Slow dimming (from fast to slow)
			170-250	No function
			251-255	Lamp body reset (stay for 3s)

▶75CH Mode

CH	Function	DMX Value	Description
1	Pan	0-255	Pan
2	Pan adjustment	0-255	Pan adjustment
3	Tilt	0-255	Tilt

CH	Function	DMX Value	Description
4	Tilt adjustment	0-255	Tilt adjustment
5	Speed of Pan/Tilt	0-255	From fast to slow
6	Dimming curve	0-49	Linear dimming
		50-99	Square rate dimming
		100-149	Inverse square rate dimming
		150-255	S-curve dimming
7	Funtion	0-137	No function
		138-149	PWM output frequency 1K-64K (stay for 3s) 1K, 2K, 4K, 6K, 8K, 10K, 16K, 20K, 24K, 32K, 48K, 64K
		150-159	Fast dimming
		160-169	Slow dimming (from fast to slow)
		170-250	No function
		251-255	Lamp body reset (stay for 3s)

CH	Function		DMX Value	Description
8		Dimmer	0-255	From dark to bright
9		Strobe	0-3	No function
			4-203	Synchronous strobe speed from slow to fast (1Hz-25Hz)
			204-255	Random strobe
10		R LED dimming	0-255	R LED dimming
11	Middle LED-200 W	G LED dimming	0-255	G LED dimming
12		B LED dimming	0-255	B LED dimming
13		W LED dimming	0-255	W LED dimming
14		Zoom	0-255	From narrow to wide
15		Rotation	0-155	0~60 degree
			156-205	Clockwise Infinitely Rotating
			206-255	Counterclockwise Infinitely Rotating

CH	Function		DMX Value	Description
16		Frost	0-127	No function
			128-255	Frost
17		Dimmer	0-255	From dark to bright
18		Strobe	0-3	Light on
	Outside LED-40W		4-203	Synchronous strobe speed from slow to fast (1Hz-25Hz)
			204-255	Random strobe
19		Zoom	0-255	From narrow to wide
20		Rotation	0-155	0~60 degree
			156-205	Clockwise Infinitely Rotating
			206-255	Counterclockwise Infinitely Rotating
21		R1 LED dimming	0-255	R1 LED dimming
22		G1 LED dimming	0-255	G1 LED dimming

CH	Function		DMX Value	Description
23		B1 LED dimming	0-255	B1 LED dimming
24		W1 LED dimming	0-255	W1 LED dimming
25		R2 LED dimming	0-255	R2 LED dimming
26		G2 LED dimming	0-255	G2 LED dimming
27		B2 LED dimming	0-255	B2 LED dimming
28		W2 LED dimming	0-255	W2 LED dimming
……		……	0-255	……
65		R12 LED dimming	0-255	R12 LED dimming
66		G12 LED dimming	0-255	G12 LED dimming
67		B12 LED dimming	0-255	B12 LED dimming
68		W12 LED dimming	0-255	W12 LED dimming
69	Ring	Dimmer	0-255	From dark to bright

CH	Function		DMX Value	Description
70		Strobe	0-3	Light on
			4-203	Synchronous strobe speed from slow to fast (1Hz-25Hz)
			204-255	Random strobe
71		R dimmer	0-255	From dark to bright
72		G dimmer	0-255	From dark to bright
73		B dimmer	0-255	From dark to bright
74		Effect	0-9	No function
			10-14	Static pattern 1
			15-19	Static pattern 2
			......(5 numbers in one)	......
			40-44	Static pattern 9
			45-49	Dynamic pattern 1

CH	Function		DMX Value	Description
			50-54	Dynamic pattern 2
			......(5 numbers in one)	......
			190-194	Dynamic pattern 28
			195-255	Dynamic pattern 29
75		Dynamic effect speed (with 31 CH)	0-127	Clockwise , from fast to slow
			128-255	Counterclockwise , from slow to fast

▶**52CH Mode**

CH	Function	DMX Value	Description
DMX512 Control			
1	Pan	0-255	Pan
2	Pan adjustment	0-255	Pan adjustment
3	Tilt	0-255	Tilt
4	Tilt adjustment	0-255	Tilt adjustment

CH	Function		DMX Value	Description
5	Speed of Pan/Tilt		0-255	From fast to slow
6	Function		0-137	No function
			138-149	PWM output frequency 1K-64K (stay for 3s) 1K, 2K, 4K, 6K, 8K, 10K, 16K, 20K, 24K, 32K, 48K, 64K
			150-159	Fast dimming
			160-169	Slow dimming (from fast to slow)
			170-250	No function
			251-255	Lamp body reset (stay for 3s)
7	Middle LED-200 W	Dimmer	0-255	From dark to bright
8		Strobe	0-3	No function
			4-203	Synchronous strobe speed from slow to fast (1Hz-25Hz)
			204-255	Random strobe
9		Zoom	0-255	From narrow to wide
10		Rotation	0-127	Slide (0~360 degrees)
			128-189	Flow (clockwise from fast to slow)
			190-193	Stop

CH	Function		DMX Value	Description
			194-255	Flow (counterclockwise from slow to fast)
11		Frost	0-127	No function
			128-255	Frost
12		Dimmer	0-255	From dark to bright
13		Strobe	0-3	No function
			4-203	Synchronous strobe speed from slow to fast (1Hz-25Hz)
	Outside LED-40W		204-255	Random strobe
14		Zoom	0-255	From narrow to wide
15		Rotation	0-155	0~60 degree
			156-205	Clockwise Infinitely Rotating
			206-255	Counterclockwise Infinitely Rotating
16		Dimmer	0-255	From dark to bright
17	Ring	Strobe	0-3	No function
			4-203	Synchronous strobe speed from slow to fast (1Hz-25Hz)
			204-255	Random strobe
18		R dimmer	0-255	From dark to bright

CH	Function		DMX Value	Description
19		G dimmer	0-255	From dark to bright
20		B dimmer	0-255	From dark to bright
21		Effect	0-9	No function
			10-14	Static pattern 1
			15-19	Static pattern 2
			......(5 numbers in one)	......
			40-44	Static pattern 9
			45-49	Dynamic pattern 1
			50-54	Dynamic pattern 2
			......(5 numbers in one)	......
			190-194	Dynamic pattern 28
			195-255	Dynamic pattern 29
22		Dynamic effect speed (with 31 CH)	0-127	Clockwise, from fast to slow
			128-255	Counterclockwise , from slow to fast
ArtNet signal control				
1	Middle LED-200 W	R LED dimming	0-255	R LED dimming

CH	Function		DMX Value	Description
2		G LED dimming	0-255	G LED dimming
3		B LED dimming	0-255	B LED dimming
4		W LED dimming	0-255	W LED dimming
5		R1 LED dimming	0-255	R1 LED dimming
6		G1 LED dimming	0-255	G1 LED dimming
7		B1 LED dimming	0-255	B1 LED dimming
8		W1 LED dimming	0-255	W1 LED dimming
9		R2 LED dimming	0-255	R2 LED dimming
10		G2 LED dimming	0-255	G2 LED dimming
11	Outside LED-40W	B2 LED dimming	0-255	B2 LED dimming
12		W2 LED dimming	0-255	W2 LED dimming
……		……	……	……
49		R12 LED dimming	0-255	R12 LED dimming
50		G12 LED dimming	0-255	G12 LED dimming
51		B12 LED dimming	0-255	B12 LED dimming
52		W12 LED dimming	0-255	W12 LED dimming

8. Mounting

When installing the unit, the trussing or area of installation must be able to hold 10 times the weight without any deformation. When installing the unit must be secured with a secondary safety attachment, e.g. an appropriate safety cable. Never stand directly under the facility while mounting, uninstalling or repairing facilities.

High-altitude mounting requires for extensive experience, including working load limits calculating , installation material, and periodic safety check of installation materials and facilities. If you're lack of mentioned qualifications, do not attempt the installation yourself. These installation should be checked by a skilled person annually.
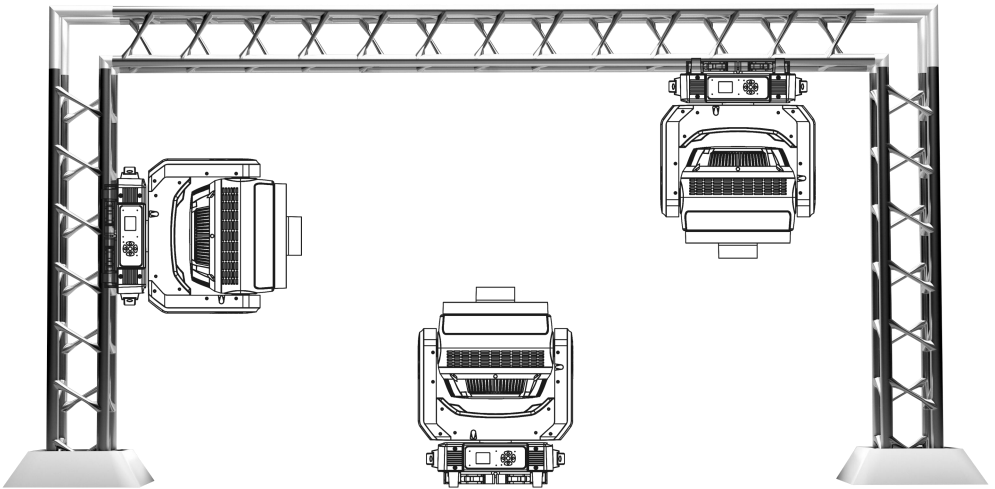
900B works properly in above different mounting, hanging upside-down from a ceiling, sideways on trussing, or set on smooth horizontal surface. Be sure this

facility is at least 12m (40ft) away from flammable materials (decoration etc.). Always use and install the safety cable to prevent accidental damage or injury from the facility failure. Never use handles for secondary attachment.

NOTICE: The suitable environment temperature of the facility is from -25° C to 45° C. Do not place this facility in an environment where the temperatures are under or above the temperatures stated. This will help the fixture run at its best and extend the lifetime.

9. Product Size
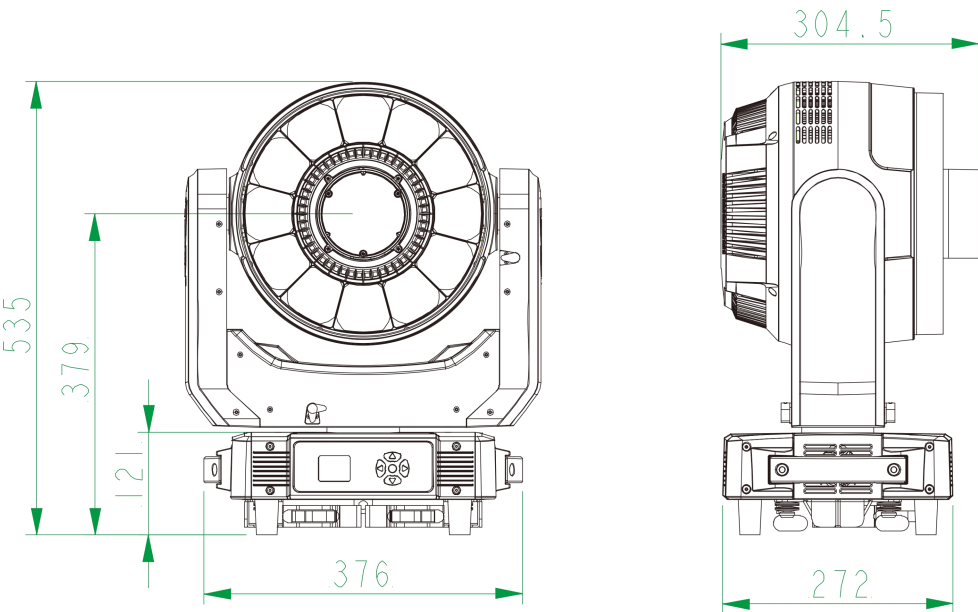
10. Attention

1. When the facility is powered on, please avoid looking directly at the facility.

2. When assembling/ replacing LED, be sure to cut off the main power of facilities before opening the cover upon the LED board.

11. Trouble Shooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work, no light and the fan does not work

1. Check the status of power connection and fuse.

2. Check the voltage.

3. Check the power indicator.

B. No response to DMX controller

1. If the display screen flashes, check the DMX signal connector and signal line whether the connection is correct.

1. If the display screen does not flash, but no response to channel control, check whether the address code or channel setting is correct.

1. If the DMX signal transmission is intermittent, check if the XLR and DMX cables are in good condition.

2. Try using another controller.

3. Check if the DMX cables is too close to the high-voltage wire, which may damage or interfere with the signal circuit.

6. The facility has not completed the self-check.

C. One of the channels is not working well

1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor's drive IC on the PCB might be out of condition.

12. Fixture Cleaning

The lens and diffuser should be clean frequently to get better light effect. Wipe frequency according to the environment. Humidity, excessive smoke, and dirty environment will make lens dusty.

● Use soft cloth and special glass cleaner.

● Wipe lens surface at least every 30 days.

● Use vacuum cleaners or air guns to clean the interior structure of the facility, at least twice a year.

⚠Warning:

To avoid the danger of lighting strikes and fire, please do not place the facility in a humid environment. Do not disassemble it without permission, otherwise, the manufacturer will not provide warranty. If the facility fails, please contact the manufacturer first.

Product Warranty Card

Product: 900B Wind Fire Wheel

Model NO.:900B   Manufacture Date:

User: Purchase Date:

Manufacturer: Sales Store:

Address: ATTN.:

ATTN.:   Phone:

Phone:

Note: The above blank must be filled in and sealed by the end user or sales point, otherwise no warranty will be provided. (Below please check the warranty period and terms)

Warranty Period: This facility is warranted for 2 years from the date of purchase.

Warranty Terms:

1. Except for man-made damage and natural disasters

2. If the facility fails to function properly during the warranty period, please contact our after service department or our local distributor directly.

1) Fail to present a valid warranty card.

2) Omissions, alterations, and trade sales names on the warranty card.

3) Failures and damage caused by force majeure.

4) Failures and damage caused during transportation and handling.

5) Failures and damage caused by failure to follow the instructions for use.

6) Failures and damage caused by disassembly, repair, and modification of the product without the manufacturer's authorization or by non-professionals.

7) Failures caused by the use of accessories not approved by the factory or not matched by the factory.

▲ **Thank you for reading this manual. Please keep it for future reference.**