1060Z

10*60w Pixels Zoom Bar Moving Head

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.
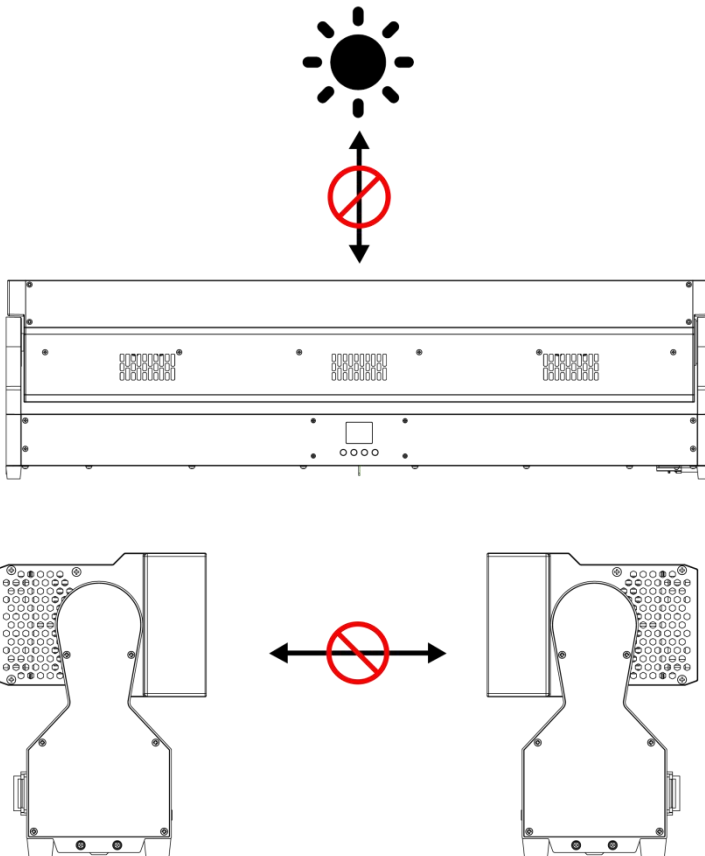
Caution

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	10*60W 4IN1 RGBW LED 120*1W RGBA 4in1 LED
LED Lifetime	≥ 50000H
Power Voltage	AC100-240V ，50-60Hz
Power Consumption	680W ± 5%, power factor PF ≥ 0.95; standby power: 25W
Beam Angle	4°-45°
Control Modes	DMX512/ Auto/ Sound/ Master/ Manual/ RDM
DMX Channel	26/ 35/ 43/ 91/ 125/ 129/ 120 Channel
Protection Rating	IP20
Display	TFT 1.8-inch color display; Chinese and English languages can be switched at will, and the font can be reversed 180°
Data In/Out Socket	3-pin XLR sockets
Power Socket	Power-Con in/ out

Housing Material	ABS flame retardant + nylon high temperature resistant engineering plastics
Tilt	Tilt 200°, accuracy 1.2°/step, fine-tuning accuracy: 0.0034°;adopts magnetic reset system
Pan/Tilt Resolution	Automatically correct pan/tilt position
MAX. Connection	4 units（230V，50Hz）2.5mm²　power cable
	2 units（100V，60Hz）2.5mm²　power cable
Dimension	1000*129.4*281.4mm
Net Weight	18.72 kg
Carton Package	1085*225*375mm　　　　1in1　GW: 24.2 kg
Flight Case	1080*730*510mm　　　　3in1　GW: 97.5 kg
Features	Full light range dimming, 65536-level dimming accuracy; fast strobe 1-25Hz; single-point control of the middle lamp bead, 20-segment control on both sides; three-in-one effect of dyeing, beam and strobe; preset multiple color macro functions; preset multiple effect macro functions
Configuration	Signal cable　　1pc
	Power cable　　1pc
	Manual　　　　1pc

3. DMX Set Up

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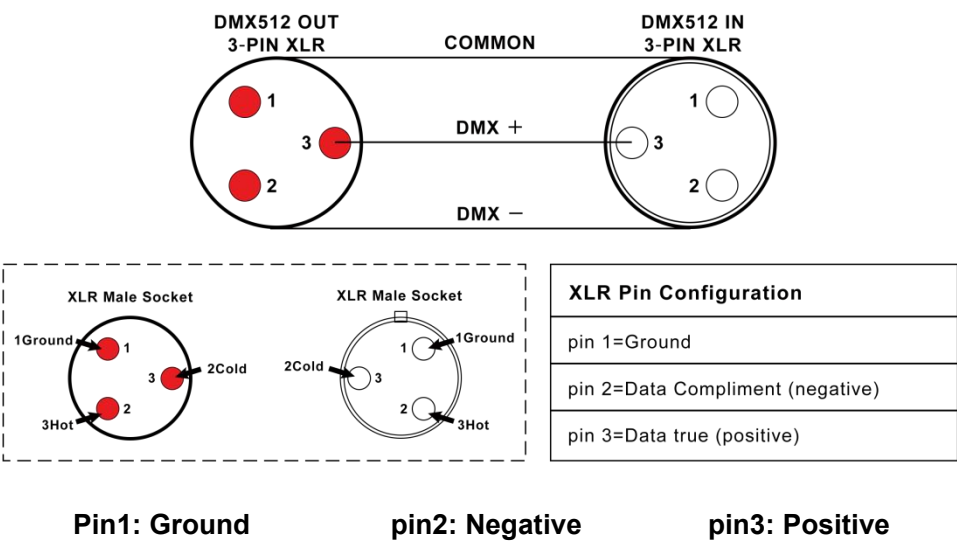
DMX Connection

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.

MENU   UP   DOWN   ENTER

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

1 2 3 4 5

REAR VIEW

6   7   8   9
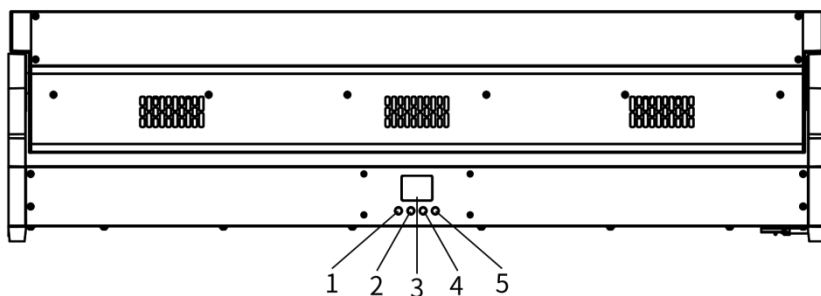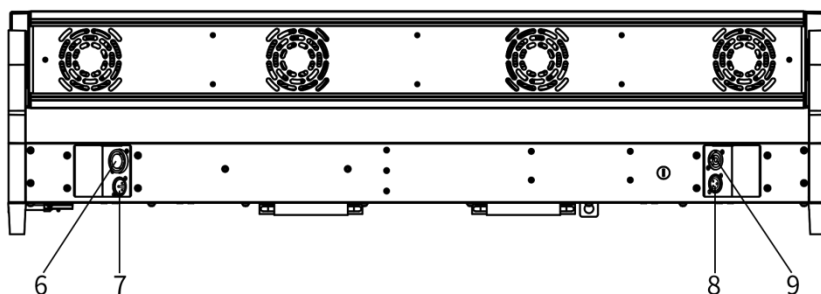
After powering on, the facility will automatically return to the last operation when it was powered off, then get into standby status. For more details, please refer to the information below↓

5. Menu

1-MENU 2-UP 3-DOWN 4-ENTER			
Menu	1.Mic Sense	001-100	Sound sensitivity
	2.Language	1.English 2.Chinese	Select language
	3.No Signal	1.Black Out 2.Hold	
	4.Fan Set	1.Auto 2.Low 3.High	

	5.Reset	1.Yes 2.No	
	6.Default	1.Yes	Default set
		2.No	
	7.Adjust	Pass Word：****	Changing the Tilt/Focus value can correct the angle; changing the R/G/B/W value can adjust the white balance
		1.Tilt:0-255	
		2.Focus 1:0-255	
		3.Focus 2:0-255	
		4.Red：0-255	
		5.Green：0-255	
		6.Blue：0-255	
		7.White：0-255	
Address	001-512		Set address from 001-512
Reverse	1.Tilt Invert	1.YES 2.NO	Tilt forward and reverse setting
	2.Display Invert	1.YES 2.NO	Show forward and reverse setting
Inform	1.CH Value		Show all CH information
	2.Tem**℃		Show LED display board
	3.Soft V1.0		Software No.
Mode	1.DMX512		Set control mode
	2.Auto		
	3.Sound		

		Master/Alone)	Stand/Alone
4.Manual		1.Tilt:0-255	Manual control
		2.Focus:0-255	
		3.Red 1：0-255	
		4.Green 1：0-255	
		5.Blue 1：0-255	
		6.White 1：0-255	
		7.Led 1 Auto：0-255	
		8.Led 1 Auto Speed：0-255	
		9.Red 2：0-5	
		10.Green 2：0-255	
		11.Blue 2：0-255	
		12.White 2：0-255	
		13.Led 2 Auto：0-255	
		14.Led 2 Auto Speed：0-255	
		15.Strobe：0-255	
CH （Channel)	1.26 Channels	26 CH	Select CH mode
	2.35 Channels	35 CH	
	3.43 Channels	43 CH	
	4.91 Channels	91 CH	
	5.125 Channels	125 CH	
	6.129 Channels	129 CH	

6. LUX Data

Beam Angle = 3.5°

R lux	17300	5770	2300	871
G lux	38900	11300	4460	1700
B lux	7020	1930	758	291
W lux	61000	18200	7160	2730
4in1 lux	111000	33700	13300	5100

Beam Angle = 45°

R lux	2430	319	128	50.8
G lux	4850	621	249	100
B lux	864	111	44.7	18
W lux	7850	1010	401	162
4in1 lux	14600	1880	751	302

Distance(m)	1	3	5	8
Spot diameter (m) 3.5°	0.23	0.54	0.78	1.28
Spot diameter (m) 45°	1.50	3.0	4.3	None
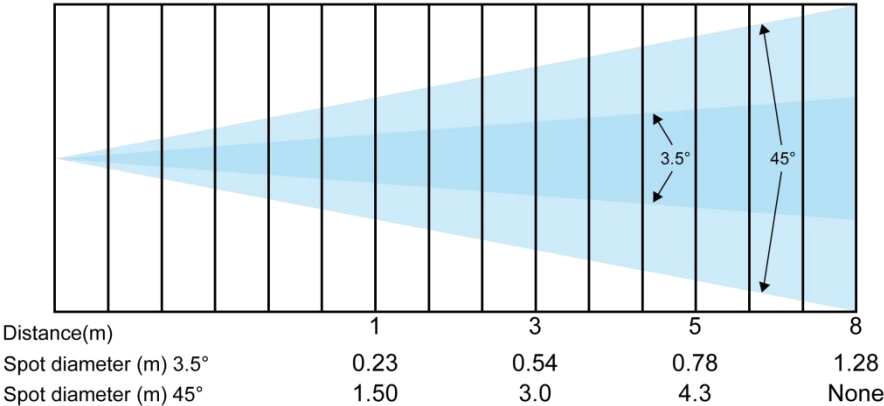
7. DMX Channel List

▶ **26CH Mode**

CH	Function		DMX Value	Description
1	Middle 60 W	Red	0-255	Red dimming
2		Red adjustment	0-255	Red adjustment
3		Green	0-255	Green dimming
4		Green adjustment	0-255	Green adjustment
5		Blue	0-255	Blue dimming
6		Blue adjustment	0-255	Blue adjustment
7		White	0-255	White dimming
8		White adjustment	0-255	White adjustment
9		Linear	0-4	No function
		color temperature	5-255	Color temperature from warm to cold
10		Marco color	0-9	No function
			10-255	Marco color
11		Dimming	0-255	Linear dimming dark to bright
12		Dimming adjustment	0-255	Dimming adjustment
13		Strobe	0-3	Strobe dimming
			4-203	Synchronous strobe speed from slow to fast (1 Hz -25 Hz)
			204-255	Random strobe
14	Both sides 1 W	R dimming	0-255	Linear dimming dark to bright
15		G dimming	0-255	Linear dimming dark to bright
16		B dimming	0-255	Linear dimming dark to

12

CH	Function			DMX Value	Description
					bright
17			A dimming	0-255	Linear dimming dark to bright
18			Marco color	0-9	No function
				10-255	Marco color
19			Dimming	0-255	Linear dimming dark to bright
20			Strobe	0-3	Strobe dimming
				4-203	Synchronous strobe speed from slow to fast (1 Hz -25 Hz)
				204-255	Random strobe
21		Dimming mode		0-49	Mode 1
				50-99	Mode 2
				100-149	Mode 3
				150-255	Mode 4
22		Tilt		0-255	Tilt control
23		Tilt adjustment		0-255	Tilt adjustment
24		Tilt speed		0-255	Fast to slow
25		Zoom		0-255	From narrow to wide
26		Reset		0-250	No function
				251-255	Reset within 5s

▶**35CH Mode**

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

CH	Function		DMX Value	Description
3	Tilt speed		0-255	Fast to slow
4	Zoom		0-255	From narrow to wide
5		Dimming	0-255	Linear dimming dark to bright
6		Strobe	0-3	Strobe dimming
			4-203	Synchronous strobe speed from slow to fast (1 Hz -25 Hz)
			204-255	Random strobe
7		R dimming	0-255	Linear dimming dark to bright
8		G dimming	0-255	Linear dimming dark to bright
9		B dimming	0-255	Linear dimming dark to bright
10	Middle	W dimming	0-255	Linear dimming dark to bright
11		Linear color temperature	0-4	No function
			5-255	Color temperature from warm to cold
12		Marco color	0-9	No function
			10-255	Marco color
13		Dynamic pattern	0-9	No function
			10-12	Dynamic pattern 1
			13-15	Dynamic pattern 2
			......（3 numbers and one type）	......
			103-105	Dynamic pattern 32

CH	Function		DMX Value	Description
			106-255	reserve
14		Pattern translation (with 13 CH)	0-255	Choose pattern background
15		Dynamic pattern speed (with 13 CH)	0-9	No function
			10-132	Go forward from fast to slow
			133-255	Go backward from slow to fast
16		Pattern background color R (with 13 CH)	0-255	Linear dimming dark to bright
17		Pattern background color G (with 13 CH)	0-255	Linear dimming dark to bright
18		Pattern background color B (with 13 CH)	0-255	Linear dimming dark to bright
19		Pattern background color W (with 13 CH)	0-255	Linear dimming dark to bright
20		Dimming	0-255	linear dimming from dark to bright
21		Strobe	0-3	Strobe dimming
			4-203	Synchronous strobe speed from slow to fast (1 Hz -25 Hz)
			204-255	Random strobe
22	Both sides 1 W	R dimming	0-255	Linear dimming dark to bright
23		G dimming	0-255	Linear dimming dark to bright
24		B dimming	0-255	Linear dimming dark to bright

CH	Function		DMX Value	Description
25		A dimming	0-255	Linear dimming dark to bright
26		Marco color	0-9	No function
			10-255	Marco color
27		Dynamic pattern	0-9	No function
			10-12	Dynamic pattern 1
			13-15	Dynamic pattern 2
			......（3 numbers and one type）	......
			157-159	Dynamic pattern 50
			160-255	reserve
28		Pattern translation (with 27 CH)	0-255	Choose pattern background
29		Pattern self-propelled speed (with 27 CH)	0-9	No function
			10-132	Go forward from fast to slow
			133-255	Go backward from slow to fast
30		Pattern background color R (with 27 CH)	0-255	Linear dimming dark to bright
31		Pattern background color G (with 27 CH)	0-255	Linear dimming dark to bright
32		Pattern background color B (with 27 CH)	0-255	Linear dimming dark to bright
33		Pattern background color A (with 27 CH)	0-255	Linear dimming dark to bright

CH	Function	DMX Value	Description
34	Dimming mode	0-49	Mode 1
		50-99	Mode 2
		100-149	Mode 3
		150-255	Mode 4
35	Reset	0-250	No function
		251-255	Reset within 5s

►**43CH Mode**

Channel	Parameter		Function	Value
1	Tilt		0-255	Tilt control
2	Tilt adjustment		0-255	Tilt adjustment
3	Tilt speed		0-255	Fast to slow
4	Zoom		0-255	From narrow to wide
5	Middle 60 W	Dimming	0-255	Linear dimming dark to bright
6		Dimming adjustment	0-255	Dimming adjustment control
7		Strobe	0-3	Strobe dimming
			4-203	Synchronous strobe speed from slow to fast (1 Hz -25 Hz)
			204-255	Random strobe
8		R dimming	0-255	Linear dimming dark to bright
9		R Dimming adjustment	0-255	R adjustment
10		G dimming	0-255	Linear dimming dark to bright
11		G Dimming	0-255	G adjustment

Channel	Parameter		Function	Value
		adjustment		
12		B dimming	0-255	Linear dimming dark to bright
13		B Dimming adjustment	0-255	B adjustment
14		W dimming	0-255	Linear dimming dark to bright
15		W Dimming adjustment	0-255	W adjustment
16		Linear	0-4	No function
		color temperature	5-255	Color temperature from warm to cold
17		Marco color	0-9	No function
			10-255	Marco color
18		Dynamic pattern	0-9	No function
			10-12	Dynamic pattern 1
			13-15	Dynamic pattern 2
			......（3 numbers and one type）	......
			103-105	Dynamic pattern 32
			106-255	reserve
19		Pattern translation (with 18 CH)	0-255	Choose pattern background
20		pattern auto speed (with 18 CH)	0-9	No function
			10-132	Go forward from fast to slow
			133-255	Go backward from slow to fast
21		Pattern effect fade	0-255	Pattern fade

Channel	Parameter		Function	Value
	(with 18 CH)			effect
22	Background dimming		0-255	Background 0-100% dimming
	(with 18 CH)			
23	Background strobe (with 18 CH)		0-255	Background strobe
24	Pattern background color R (with 18 CH)		0-255	Pattern effect R
25	Pattern background color G (with 18 CH)		0-255	Pattern effect G
26	Pattern background color B (with 18 CH)		0-255	Pattern effect B
27	Pattern background color W (with 18 CH)		0-255	Pattern effect W
28	Both sides 1 1 W	Dimming	0-255	linear dimming from dark to bright
29		Strobe	0-3	Strobe dimming
			4-203	synchronous strobe speed
				From slow to fast (1 Hz-25 Hz)
			204-255	Random strobe
30		R dimming	0-255	Linear dimming dark to bright
31		G dimming	0-255	Linear dimming dark to bright
32		B dimming	0-255	Linear dimming dark to bright
33		A dimming	0-255	Linear dimming dark to bright
34		Marco color	0-9	No function
			10-255	Marco color
35		Dynamic pattern	0-9	No function
			10-12	Dynamic pattern 1

Channel	Parameter	Function	Value
		13-15	Dynamic pattern 2
		......（3 numbers and one type）	......
		157-159	Dynamic pattern 50
		160-255	reserve
36	Pattern translation (with 35 CH)	0-255	Choose pattern background
37	Pattern self-propelled speed (with 35 CH)	0-9	No function
		10-132	Go forward from fast to slow
		133-255	Go backward from slow to fast
38	Pattern background color R (with 35 CH)	0-255	Linear dimming dark to bright
39	Pattern background color G (with 35 CH)	0-255	Linear dimming dark to bright
40	Pattern background color B (with 27 CH)	0-255	Linear dimming dark to bright
41	Pattern background color A (with 35 CH)	0-255	Linear dimming dark to bright
42	Dimming mode	0-49	Mode 1
		50-99	Mode 2
		100-149	Mode 3
		150-255	Mode 4
43	Reset	0-250	No function
		251-255	Reset within 5 s

▶**91CH Mode**

CH	Function		DMX Value	Description
1	Tilt		0-255	Tilt control
2	Tilt adjustment		0-255	Tilt adjustment
3	Tilt speed		0-255	Fast to slow
4	Zoom		0-255	From narrow to wide
5	Reset		0-250	No function
			251-255	Reset within 5 s
6	Dimming Mode		0-49	Mode 1
			50-99	Mode 2
			100-149	Mode 3
			150-255	Mode 4
7	Middle 60 W	Dimmer	0-255	Linear dimming dark to bright
8		Dimming adjustment	0-255	Dimming adjustment
9		Strobe	0-3	Strobe dimming
			4-203	Synchronous strobe speed from slow to fast (1 Hz -25 Hz)
			204-255	Random strobe
10		R 1 LED dimming	0-255	R 1 LED dimming
11		G 1 LED dimming	0-255	G 1 LED dimming
12		B 1 LED dimming	0-255	B 1 LED dimming
13		W 1 LED dimming	0-255	W 1 LED dimming
......		....	......	....

46		R 10 LED dimming	0-255	R 10 LED dimming
47		G 10 LED dimming	0-255	G 10 LED dimming
48		B 10 LED dimming	0-255	B 10 LED dimming
49		W 10 LED dimming	0-255	W 10 LED dimming
50	Both sides 1 W LED	Dimming	0-255	linear dimming from dark to bright
51		Strobe	0-3	Strobe dimming
			4-203	Synchronous strobe speed from slow to fast (1 Hz -25 Hz)
			204-255	Random strobe
52		R 1 LED dimming	0-255	R 1 LED dimming
53		G 1 LED dimming	0-255	G 1 LED dimming
54		B 1 LED dimming	0-255	B 1 LED dimming
55		A 1 LED dimming	0-255	A 1 LED dimming
......		......	......	.....
88		R 10 LED dimming	0-255	R 10 LED dimming
89		G 10 LED dimming	0-255	G 10 LED dimming

| 90 | | B 10 LED dimming | 0-255 | B 10 LED dimming |
| 91 | | A 10 LED dimming | 0-255 | A 10 LED dimming |

▶**125CH Mode**

CH	Function		DMX Value	Description
1	Tilt		0-255	Tilt control
2	Tilt adjustment		0-255	Tilt　adjustment
3	Tilt speed		0-255	Fast to slow
4	Zoom		0-255	From narrow to wide
5	Reset		0-250	No function
			251-255	Reset within 5 s
6	Middle	R 1 LED dimming	0-255	R 1 LED dimming
7		G 1 LED dimming	0-255	G 1 LED dimming
8		B 1 LED dimming	0-255	B 1 LED dimming
9		W 1 LED dimming	0-255	W 1 LED dimming
……		……	……	……
42		R 10 LED dimming	0-255	R 10 LED dimming
43		G 10 LED dimming	0-255	G 10 LED dimming
44		B 10 LED dimming	0-255	B 10 LED dimming
45		W 10 LED dimming	0-255	W 10 LED dimming
46	Both sides 1 W LED	R 1 LED dimming	0-255	R 1 LED dimming
47		G 1 LED	0-255	G 1 LED dimming

CH	Function		DMX Value	Description
		dimming		
48		B 1 LED dimming	0-255	B 1 LED dimming
49		A 1 LED dimming	0-255	A 1 LED dimming
……		……	……	……
122		R 20 LED dimming	0-255	R 20 LED dimming
123		G 20 LED dimming	0-255	G 20 LED dimming
124		B 20 LED dimming	0-255	B 20 LED dimming
125		A 20 LED dimming	0-255	A 20 LED dimming

▶**129CH Mode**

CH	Function		DMX Value	Description
1	Tilt		0-255	Tilt control
2	Tilt adjustment		0-255	Tilt adjustment
3	Tilt speed		0-255	Fast to slow
4	Zoom		0-255	From narrow to wide
5	Reset		0-250	No function
			251-255	Reset within 5s
6	Middle	Dimmer	0-255	linear dimming from dark to bright
7		Strobe	0-3	Strobe dimming
			4-203	Synchronous strobe speed from slow to fast (1 Hz -25 Hz)

			204-255	Random strobe
8		R 1 LED dimming	0-255	R 1 LED dimming
9		G 1 LED dimming	0-255	G 1 LED dimming
10		B 1 LED dimming	0-255	B 1 LED dimming
11		W 1 LED dimming	0-255	W 1 LED dimming
……		……	……	……
44		R 10 LED dimming	0-255	R 10 LED dimming
45		G 10 LED dimming	0-255	G 10 LED dimming
46		B 10 LED dimming	0-255	B 10 LED dimming
47		W 10 LED dimming	0-255	W 10 LED dimming
48		Dimming	0-255	linear dimming from dark to bright
49		Strobe	0-3	Strobe dimming
			4-203	Synchronous strobe speed from slow to fast (1 Hz-25 Hz)
			204-255	Random strobe
50	Both sides 1 W LED	R 1 LED dimming	0-255	R 1 LED dimming
51		G 1 LED dimming	0-255	G 1 LED dimming
52		B 1 LED dimming	0-255	B 1 LED dimming
53		A 1 LED dimming	0-255	A 1 LED dimming
……		……	……	……
126		R 20 LED dimming	0-255	R 20 LED dimming

127		G 20 LED dimming	0-255	G 20 LED dimming
128		B 20 LED dimming	0-255	B 20 LED dimming
129		A 20 LED dimming	0-255	A 20 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.
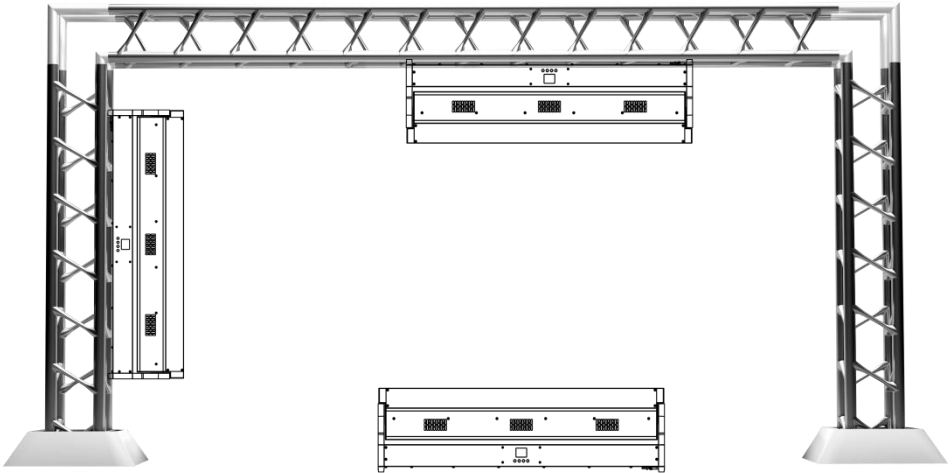

1060Z works properly in above different mounting, hanging upside-down from a ceiling, sideways on trussing, or set on smooth horizontal surface. Be sure this facility is at least 12m (40ft) away from flammable materials (decoration

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
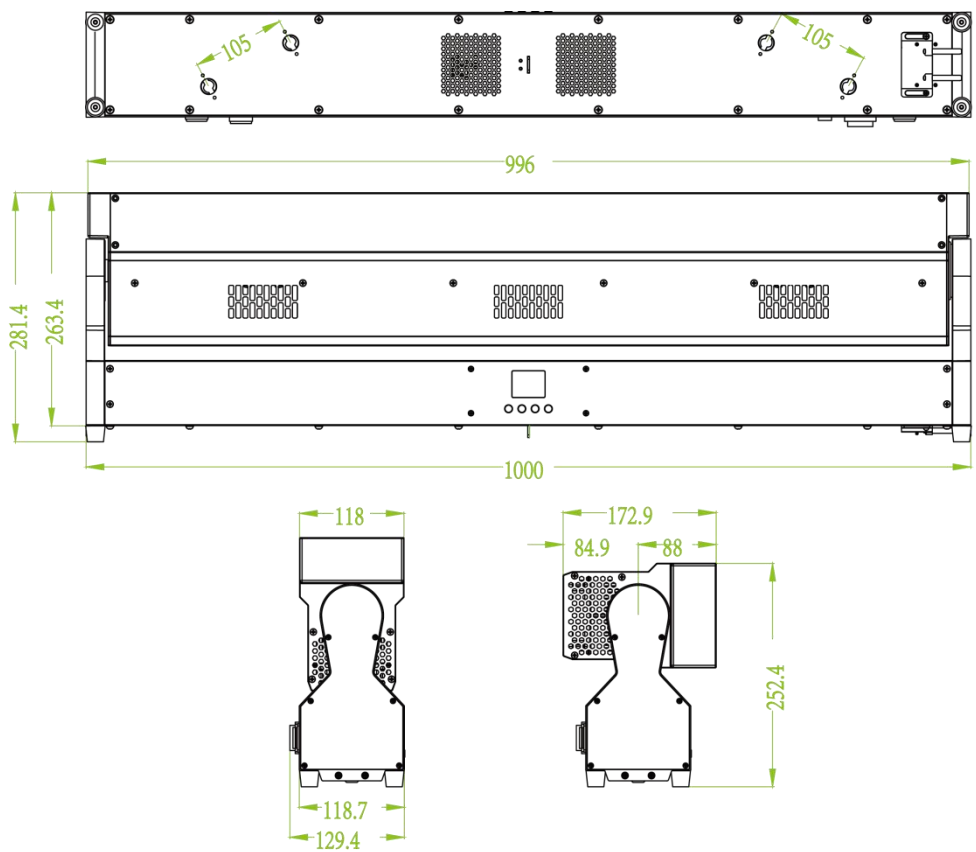
10. Attention

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: 10*60w Pixels Zoom Bar Moving Head

Model NO.: 1060Z   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.**