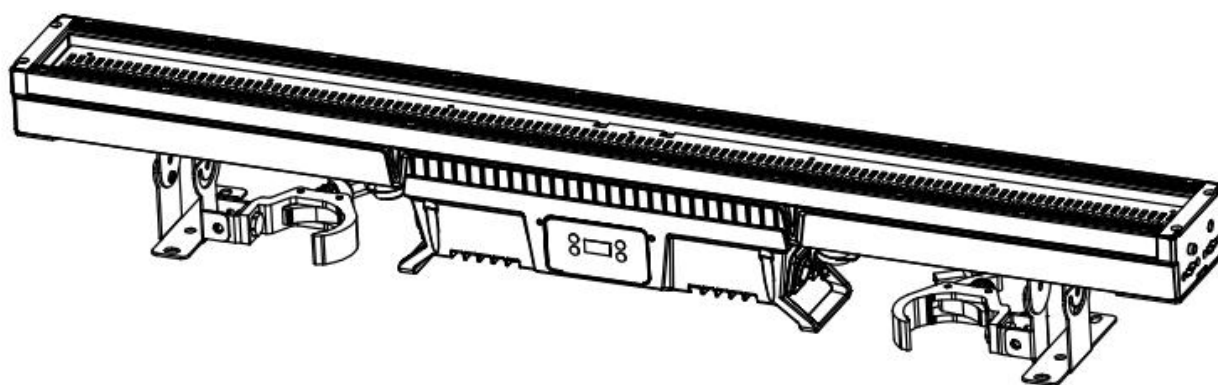




ARA PIXEL BAR IP



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

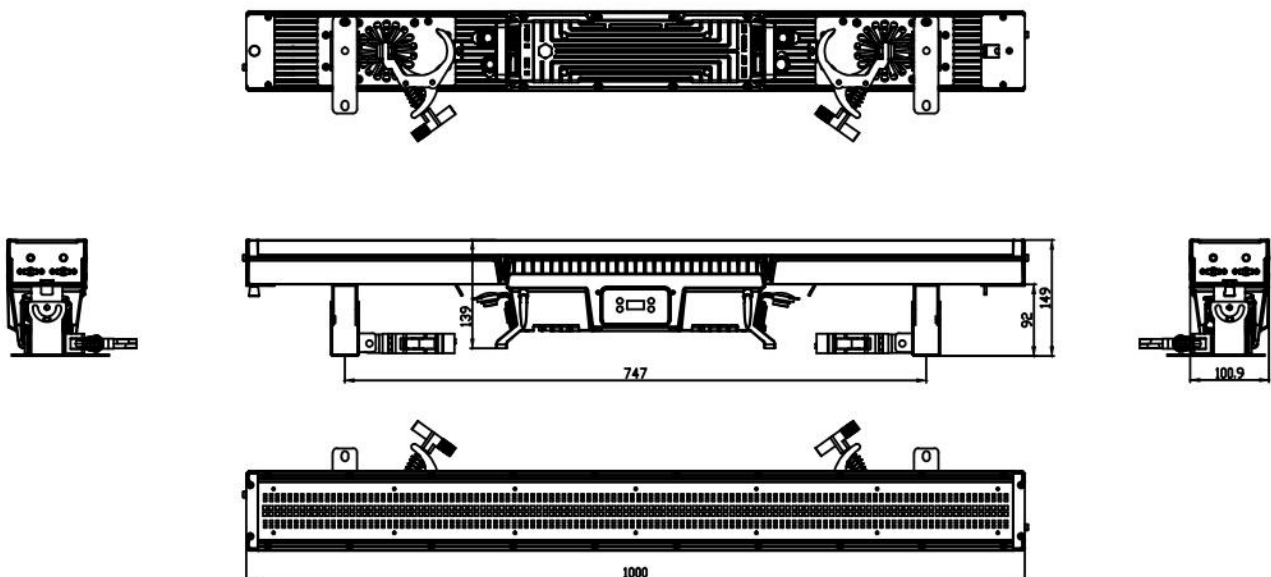
The product has perfect performance and integrity packing. All users should be strictly complying with the warning and operating instructions as stated. Or we aren't in charge of any result by misusing. Any damage resulting by misuse is not within the Company's warranty. Any fault or problem caused by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

Size:



4. Product Instruction

- **Light Sources:**
- 672 x 0.5W RGB LED
- 112 x 3W CW LED
- **Beam Angles:**
- RGB Beam Angle: 101°
- CW Beam Angle: 108°
- **Field Angles:**
- RGB Field Angle: 149°
- CW Field Angle: 152°
- **Optical System:**
- Advanced optical design for seamless effects
- SMART Glass technology for DMX controllable frost effects
- **Control:**
- 4-Button touch panel
- Display: OLED display
- Protocols: DMX512, RDM, Art-Net, sACN
- DMX Protocol modes: 7
- Control channels: 7/15/17/33/70/112/117
- Firmware Upgrade: Upgrade via DMX link
- **Electrical and Connectors:**
- Input Voltage Range: 100-240VAC, 50/60Hz
- Power consumption: 420W
- Power In/Out: Waterproof connections (TRUE1 type)
- Data In/Out: Waterproof 3-pin or 5-pin XLR connectors
- Protection rating: IP66
- **Installation:**
- Horizontal or vertical mounting
- Universal operating position
- 2, omega brackets (optional with 2 foldable fixed clamps)
- Safety cable mounting point
- **Included Items:**
- User Manual
- Power Cable (with TRUE1 type connector)
- 2 Omega Brackets (optional with 2 x foldable fixed clamps)

5. Rigging (Optional)

This equipment can be positioned and fixed by clamp in every direction of the stage. Locking system makes it easy to fasten to the bracket.

Attention! Two clamps is needed to fix the equipment. Every clamp is locked by fastener of 1/4 kind. Fastener can only be locked clockwise.

Attention! Fasten a safety string to the additional hole of side aluminum piece. The secondary accessory can not hang on the delivery handle. Nip the equipment on bracket.

- ❖ Check if rigging clamp (not including the one inside) damaged or not? If stand ten times weight as the equipment. Make sure the architecture can stand ten times weight as all the equipments, clamps, wirings and other additional fixtures.
- ❖ Screws for clamping must be fixed firmly. Take one M12 screw (Grade 8.8 or higher) to clamp bracket, and then screw the nuts.
- ❖ Level the two hanging points at the bottom of clamp. Insert fastener to the bottom, lock the two levers by 1/4 rotating clockwise; then install another clamp.
- ❖ Install on safety string which stands at least ten times weight as equipment. Terminal of the accessory is designed for clamps.
- ❖ Make sure pan/tilt lock unlocked or not. Keep the distance more than 1M from equipment to flammable material or lighting source.

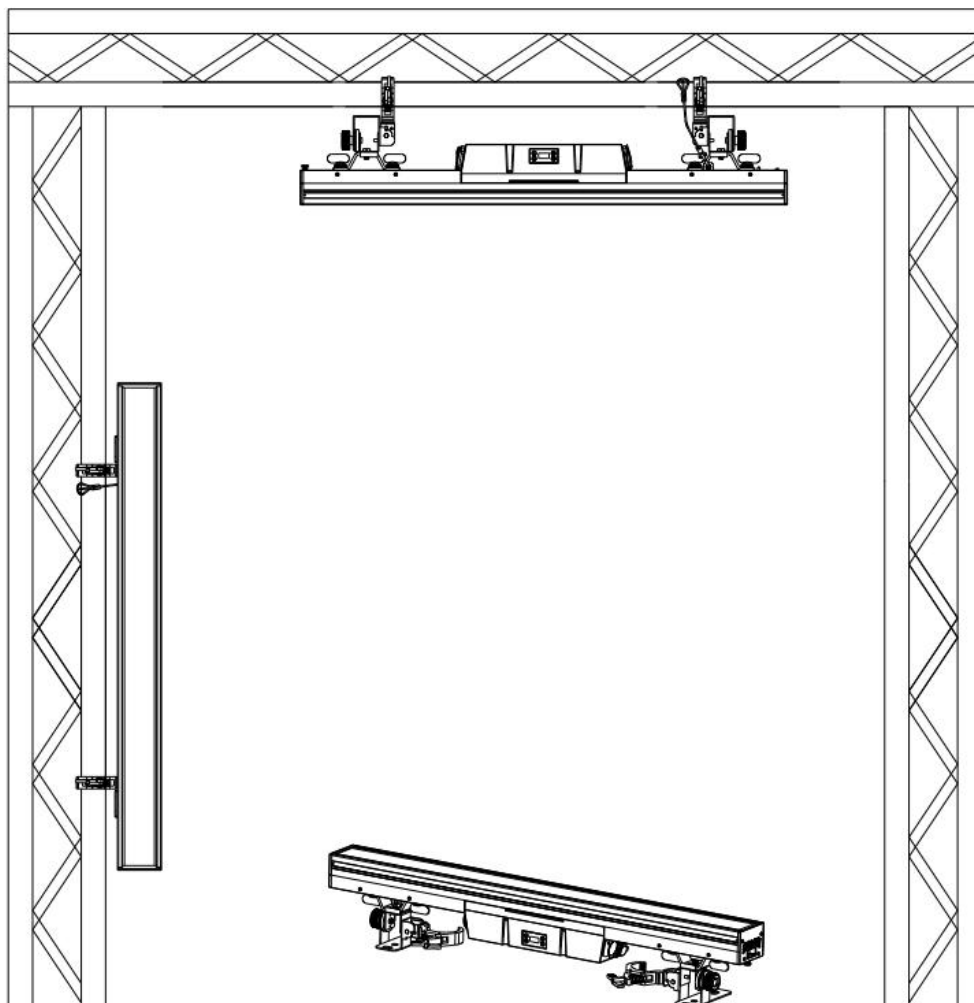


Figure 1 Installation

6. Signal line connection

The fixture features standard DMX input and output via 3-pin or 5-pin XLR sockets. Please use a shielded twisted pair signal line specially designed for DMX 512; the signal line is generally connected at a distance of 150 meters. When transmitting long-distance signals, a DMX512 signal amplifier must be added.

Use a shielded twisted pair signal cable to connect the DMX output port of the controller to the DMX input port of the first device, and connect the DMX output port of the first device to the DMX input port of the second device, and so on. Until all the lamps are connected, install a terminal plug on the output 3-pin jack of the last connected lamp in each circuit. (Solder a 4/1W, 120Ω resistor between pins 2 and 3 of the 3-pin XLR plug).

Attention! The wires must not touch each other or the metal casing.

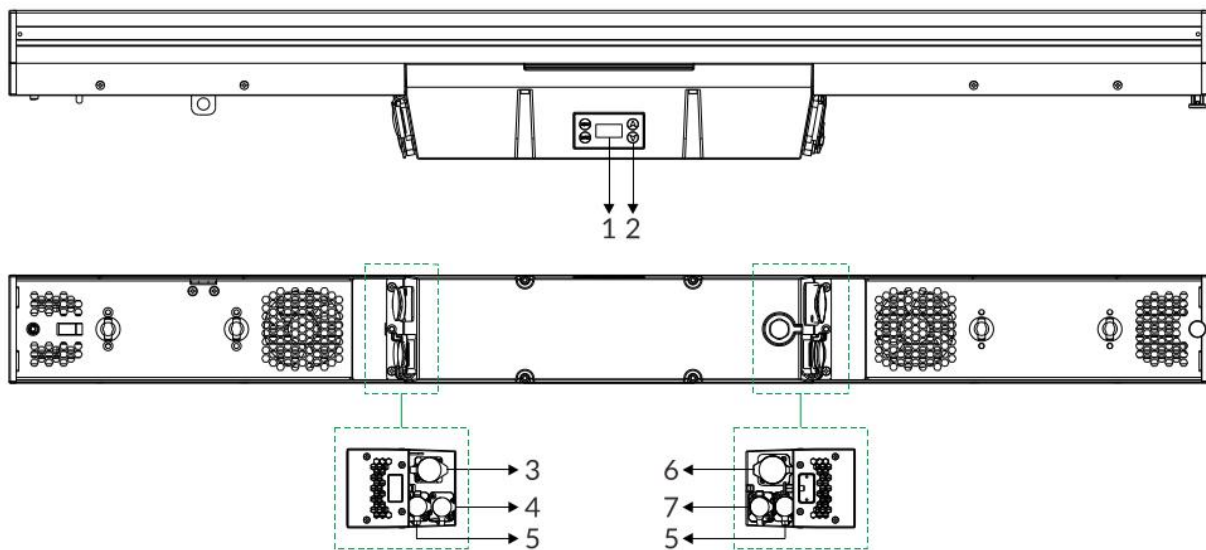


Figure 2 DMX signal connection

Chapter 2 Structure of menu

Menu	DMX Address	C	000-512
		CH	7CH/15CH/17CH/33CH/70CH/112CH/117CH
		Signal Status	Hold/Clear
		Connection Options	DMX/Net
		DMX Zone	001-255
		IP Address	000.000.000.000
		Subnet Mask	000.000.000.000
		R	000-255
		G	000-255
		B	000-255
		W	000-255
		Dimming	000-255
		Strobe	005-255
		Fog	000-255
		RGB Effect	000-040
		W Effect	000-010
		Speed	000-255
	Information	LED Use Hour	
		Current Temperature	
		Max Temperature	
		Fan State	
		Firmware Version	
	Fixture Settings	Invert Pixel Order	Disable / Enable
		Dimmer Speed	Fast/Medium/Smooth
		Dimmer Curve	Linear
			Square Law
			Inv SQ Law
			S Curve
		Language	Chinese
			English
		Screen saver	On/Off
		Lock	On/Off
		Display Invert	Yes/No
		Fan mode	Controllable/regular

		Factory reset	Yes/No
		Theme	1/3 themes available
	Background settings	Password	↑↓↑↓ (The plus button is ↑) (The minus button is ↓)
		R current	020--255
		G current	020--255
		B current	020--255
		W current	020--255
		Power	050--255
		Temperature	40--80
		Push	Yes/No

Chapter 3 Channel description

7CH

CHANNEL	VALUE	FUNCTION
1	000-255	Red 0%--100%
2	000-255	Green 0%--100%
3	000-255	Blue 0%--100%
4	000-255	White 0%--100%
5	000-255	Dimming 0%--100%
6	000-255	Dimming Fine (temporarily empty)
7	000-255	Frost 0%--100%

15CH

CHANNEL	VALUE	FUNCTION
1	000-255	Red 0%--100%
2	000-255	Green 0%--100%
3	000-255	Blue 0%--100%
4	000-255	White 0%--100%
5		COLOR MACRO
	001-008	Color 1
	009-016	Color 2
	017-024	Color 3
	025-032	Color 4
	033-040	Color 5
	041-048	Color 6
	049-056	Color 7
	057-064	Color 8
	065-072	Color 9
	073-080	Color 10
	081-088	Color 11
	089-096	Color 12
	097-104	Color 13
	105-112	Color 14
	113-120	Color 15
	121-128	Color 16
	129-136	Color 17
	137-144	Color 18
	145-152	Color 19
	153-160	Color 20
	161-168	Color 21
	169-176	Color 22
	177-184	Color 23
	185-192	Color 24
	193-200	Color 25
	201-208	Color 26
	209-216	Color 27
	217-224	Color 28
	225-232	Color 29

	233-240 241-248 249-255	Color 30 Color 31 Color 32
6	000-255	DIMMER 0%--100%
7	000-255	DIMMER FINE (Temporarily Empty)
8	000-255	STROBE DURATION
9	000-005 006-255	STROBE RATE No function From slow to fast
10	000-005 006-050 051-100 101-150 151-200 201-255	STROBE Null Slow on, fast off Fast on, slow off Slow on, slow off Lightning Random (Must be used with the above strobe duration and strobe rate)
11	000-005 006-011 012-017 018-023 024-029 030-035 036-041 042-047 048-053 054-059 060-065 066-071 072-077 078-083 084-089 090-095 096-101 102-107 108-113 114-119 120-125 126-131 132-137 138-143 144-149 150-155 156-161 162-167 168-173 174-179 180-185 186-191 192-197 198-203 204-209 210-215 216-221 222-227	MACRO (RGB) Null Macro 1 Macro 2 Macro 3 Macro 4 Macro 5 Macro 6 Macro 7 Macro 8 Macro 9 Macro 10 Macro 11 Macro 12 Macro 13 Macro 14 Macro 15 Macro 16 Macro 17 Macro 18 Macro 19 Macro 20 Macro 21 Macro 22 Macro 23 Macro 24 Macro 25 Macro 26 Macro 27 Macro 28 Macro 29 Macro 30 Macro 31 Macro 32 Macro 33 Macro 34 Macro 35 Macro 36 Macro 37

	228-233 234-239 240-255	Macro 38 Macro 39 Macro 40 (Need to be used with RGB dimming. The preset color can be used as the background color)
12	000-005 006-030 031-055 056-080 081-105 106-130 131-155 151-180 181-205 206-255	MACRO (W) Null Macro 1 Macro 2 Macro 3 Macro 4 Macro 5 Macro 6 Macro 7 Macro 8 Macro 9 (Need to be used with W dimming. The preset color can be used as the background color)
13	000-127 128-255	MACRO SPEED Normal, Slow to Fast Inversion, Slow to Fast
14	000-255	FADE 0%--100%
15	000-255	Frost 0%--100%

17CH

CHANNEL	VALUE	FUNCTION
1	000-255	Red 1 0%--100%
2	000-255	Green 1 0%--100%
3	000-255	Blue 1 0%--100%
4	000-255	Red 2 0%--100%
5	000-255	Green 2 0%--100%
6	000-255	Blue 2 0%--100%
7	000-255	Red 3 0%--100%
8	000-255	Green 3 0%--100%
9	000-255	Blue 3 0%--100%
10	000-255	Red 4 0%--100%
11	000-255	Green 4 0%--100%
12	000-255	Blue 4 0%--100%
13	000-255	White 1 0%--100%
14	000-255	White 2 0%--100%
15	000-255	White 3 0%--100%
16	000-255	White 4 0%--100%
17	000-255	Frost 0%--100%

33CH

CHANNEL	VALUE	FUNCTION
1	000-255	Red 1 0%--100%
2	000-255	Green 1 0%--100%
3	000-255	Blue 1 0%--100%
4	000-255	Red 2 0%--100%
5	000-255	Green 2 0%--100%
6	000-255	Blue 2 0%--100%
7	000-255	Red 3 0%--100%
8	000-255	Green 3 0%--100%
9	000-255	Blue 3 0%--100%
10	000-255	Red 4 0%--100%
11	000-255	Green 4 0%--100%
12	000-255	Blue 4 0%--100%
13	000-255	Red 5 0%--100%
14	000-255	Green 5 0%--100%
15	000-255	Blue 5 0%--100%
16	000-255	Red 6 0%--100%
17	000-255	Green 6 0%--100%
18	000-255	Blue 6 0%--100%
19	000-255	Red 7 0%--100%
20	000-255	Green 7 0%--100%
21	000-255	Blue 7 0%--100%
22	000-255	Red 8 0%--100%
23	000-255	Green 8 0%--100%
24	000-255	Blue 8 0%--100%
25	000-255	White 1 0%--100%
26	000-255	White 2 0%--100%
27	000-255	White 3 0%--100%
28	000-255	White 4 0%--100%
29	000-255	White 5 0%--100%
30	000-255	White 6 0%--100%
31	000-255	White 7 0%--100%
32	000-255	White 8 0%--100%
33	000-255	Frost 0%--100%

70CH

CHANNEL	VALUE	FUNCTION
1	000-255	DIMMER 0%--100%
2	000-005 006-127 128-130 131-250 251-255	STROBE (RGB) NULL Strobe from Slow to Fast Null Random Null
3	000-005 006-127 128-130 131-250 251-255	STROBE (W) NULL Strobe from Slow to Fast Null Random Null
4	000-255	Frost 0%--100%
5	000-255	Red 1 0%--100%
6	000-255	Green 1 0%--100%
7	000-255	Blue 1 0%--100%
8	000-255	Red 2 0%--100%
9	000-255	Green 2 0%--100%
10	000-255	Blue 2 0%--100%
(11-49)		
50	000-255	Red 16 0%--100%
51	000-255	Green 16 0%--100%
52	000-255	Blue 16 0%--100%
53	000-255	White 1 0%--100%
(54-67)		
68	000-255	White 16 0%--100%
69	000-255	FADE (RGB) 0%--100%
70	000-255	FADE (W) 0%--100%

112CH

CHANNEL	VALUE	FUNCTION
1	000-255	Red 1 0%--100%
2	000-255	Green 1 0%--100%
3	000-255	Blue 1 0%--100%
4	000-255	Red 2 0%--100%
5	000-255	Green 2 0%--100%
6	000-255	Blue 2 0%--100%
7	000-255	Red 3 0%--100%
8	000-255	Green 3 0%--100%
9	000-255	Blue 3 0%--100%
10	000-255	Red 4 0%--100%
11	000-255	Green 4 0%--100%
12	000-255	Blue 4 0%--100%
(13-87)		
88	000-255	Red 30 0%--100%
89	000-255	Green 30 0%--100%
90	000-255	Blue 30 0%--100%
91	000-255	Red 31 0%--100%
92	000-255	Green 31 0%--100%
93	000-255	Blue 31 0%--100%
94	000-255	Red 32 0%--100%
95	000-255	Green 32 0%--100%
96	000-255	Blue 32 0%--100%
97	000-255	White 1 0%--100%
98	000-255	White 2 0%--100%
99	000-255	White 3 0%--100%
(100-110)		
111	000-255	White 15 0%--100%
112	000-255	White 16 0%--100%

117CH

CHANNEL	VALUE	FUNCTION
1	000-255	DIMMER 0%--100%
2	000-255	STROBE DURATION
3	000-005 006-255	STROBE RATE No function From slow to fast
4	000-005 006-050 051-100 101-150 151-200 201-255	STROBE Null Slow on, fast off Fast on, slow off Slow on, slow off Lightning Random (Must be used with the above strobe duration and strobe rate)
5	000-255	Frost 0%--100%
6	000-255	Red 1 0%--100%
7	000-255	Green 1 0%--100%
8	000-255	Blue 1 0%--100%
9	000-255	Red 2 0%--100%
10	000-255	Green 2 0%--100%
11	000-255	Blue 2 0%--100%
12	000-255	Red 3 0%--100%
13	000-255	Green 3 0%--100%
14	000-255	Blue 3 0%--100%
(15-92)		
93	000-255	Red 30 0%--100%
94	000-255	Green 30 0%--100%
95	000-255	Blue 30 0%--100%
96	000-255	Red 31 0%--100%
97	000-255	Green 31 0%--100%
98	000-255	Blue 31 0%--100%
99	000-255	Red 32 0%--100%
100	000-255	Green 32 0%--100%
101	000-255	Blue 32 0%--100%
102	000-255	White 1 0%--100%
103	000-255	White 2 0%--100%
(104-115)		
116	000-255	White 15 0%--100%
117	000-255	White 16 0%--100%