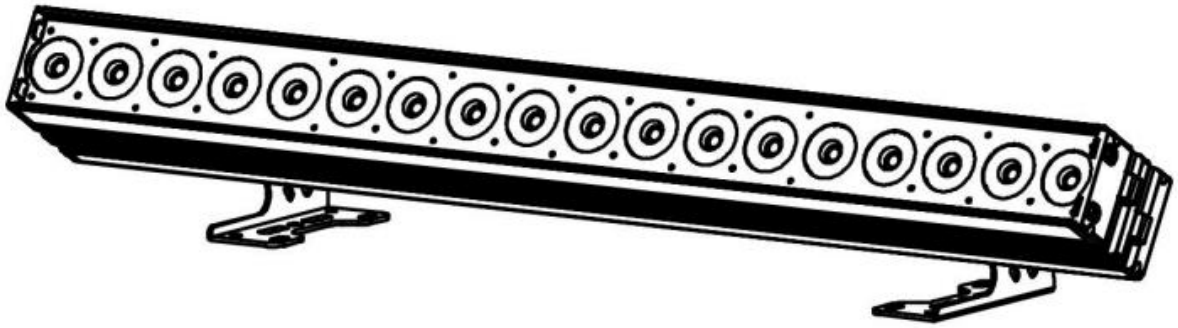
User manual



PIXEL BAR 1830

Please read the instructions carefully before use

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STATEMENT

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction & problem owing to ignore the manual.

1.Safety Instructions

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.

•Unpack and check carefully there is no transportation damage before using the unit.

•Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.

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

•The unit is for indoor use only. Use only in a dry location.

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

•Disconnect main power before replacement or servicing.

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

•Use safety cable when fixes this unit. DO NOT handle the unit by taking its head only, but always by taking its base.

•Maximum ambient temperature is Ta: 40℃. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85℃. DO NOT touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.

•the event of serious operating problem, stop using the unit immediately.Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.

•DO NOT touch any wire during operation as high voltage might be causing electric shock.

Warning:

•To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.

•The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

Caution:

•There are no user serviceable parts inside the unit. DO NOT open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

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 equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people.

2.Technical Specifications

Voltage:AC100~240V,50/60HZ

Light source:18PCS 30W RGBWAUV 6in1 leds

DMX Channel:11/29/108/119CH

Dimmer:High resolution dimmer 0~100%

Lenses: 45mm 10/12/25/40degree optional

Operate:Setup and addressing via OLED display and 4 buttons

Pixel Pitch: 52MM

Filter: Quick release diffusion filter

RDM: support

Working temperature: -30°C~50°C

Control mode:DMX512,Auto Run, Master/Slave, Sound active

RGBWAUV 16bit color mixing

Pattern effects with variable speed and fade time

Strobe effect: Variable speed (1-20HZ)

Horizontal hanging with Omega brackets

Horizontal installation on the floor with tilt bracket fast locks

Vertical installation on the floor with a base plate

Hanging vertically "dropped" with a vertical adapter

Split Joint: structural connection with 2 pieces quick release pins

House : Aluminum,Black

Data : XLR IN/OUT Power IN / OUT

IP Grade:IP20

Weight:9.0 kg

4.Control Menu

MENU ▲ ▼ ENTER

Display:

MENU To select the programming functions
DOWN To go backward in the selected functions
UP To go forward in the selected functions
ENTER To confirm the selected functions (**unlock screen**)

Operations:

Press "**MENU**" to unlock screen, then press "**Menu**" to select 7 different functions, Press the "**UP** or **DOWN**"keys to increase or decrease the value,Press "**ENTER**" to save and Exit.

TAB	LEVEL1	LEVEL2	LEVEL3	LEVEL4
Addr(Address)	001-512	001		
Chmd(Channel mode)	29CH/11CH/119CH/108CH	11CH		
Stat(Static control)	R	0--255	000	
	G	0--255	000	
	B	0--255	000	
	W	0--255	000	
	Y	0--255	000	
	P	0--255	000	
Set(Set)	CAL(Calibration)	R	20--255	255
		G	20--255	255
		B	20--255	255
		W	20--255	255
		Y	20--255	255
		P(UV)	20--255	255
	Reverse	YES/NO		
	DMX HOLD	ON/OFF DMX		OFF
	LOCK(Key 2 minutes lock)	YES/NO	NO	
Auto(Auto)	Mode	Sound 1		AUTO 3
		Sound 2		
		Auto0 3		
		.....		
		Auto 11		
	Speed	0--100		50
Info（Information）	SOFT(Software version)			
	TEMP			
Load(Load)	SET L（Setting load)	YES/NO		
Send(Send)	YES/NO	COPY the Default setting to slave lights		NO

5.DMX Channels

11CH

Channels	Function	Description
CH1	Dimmer	RGBWYUV master dimmer, 0~100% linear dimming,dark ->bright
CH2	Strobe	RGBWYUV master strobe, slow->fast
CH3	Macro1	0--14： Empty 15--34： Color flow(Jump)（CH1--5 enable） 35--54： Color flow(Fade)（CH1--5 enable） 55--74： Color choose（CH1 enable） 75--94： Color Jump（CH1 enable） 95--114： Color fade,Color pulse（CH1 enable） 115--134：Effects 1（CH1 enable） 135--154：Effects2（CH1 enable） 155--174：Effects3（CH1 enable） 175--194：Effects4（CH1 enable） 195--214：Effects5（CH1 enable） 215--234：Effects6（CH1 enable） 235--255：Sound active（CH1 enable）
CH4	Macro2	0--15： Empty 16--45： Effects1（CH1 ,CH6~CH11 enable） 56--60： Effects2（CH1 ,CH6~CH11 enable） 96--45： Effects3（CH1 ,CH6~CH11 enable） 136--60： Effects4（CH1 ,CH6~CH11 enable） 176--45： Effects5（CH1 ,CH6~CH11 enable） 240--255：Effects6（CH1 ,CH6~CH11 enable）
	Macro3	The direction of Color flow 0--127: flow left 128--255: flow right
CH5	Macro speed 1	Macro speed , slow->fast
CH6	R dimmer	R dimming,0~100% linear dimming,dark ->bright
CH7	G dimmer	G dimming,0~100% linear dimming,dark ->bright
CH8	B dimmer	B dimming,0~100% linear dimming,dark ->bright
CH9	W dimmer	W dimming,0~100% linear dimming,dark ->bright
CH10	Y dimmer	Y dimming,0~100% linear dimming,dark ->bright
CH11	UV dimmer	UV dimming,0~100% linear dimming,dark ->bright

29CH

Channels	Function	Description
CH1	Dimmer	RGBWYUV master dimmer, 0~100% linear dimming,dark ->bright
CH2	Strobe	RGBWYUV master strobe, slow->fast

CH3	Macro1	0--14： Empty 15--34： Color flow(Jump)（CH1--5 enable） 35--54： Color flow(Fade)（CH1--5 enable） 55--74： Color choose（CH1 enable） 75--94： Color Jump（CH1 enable） 95--114： Color fade,Color pulse（CH1 enable） 115--134：Effects 1（CH1 enable） 135--154：Effects2（CH1 enable） 155--174：Effects3（CH1 enable） 175--194：Effects4（CH1 enable） 195--214：Effects5（CH1 enable） 215--234：Effects6（CH1 enable） 235--255：Sound active（CH1 enable）
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	Macro3	The direction of Color flow 0--127: flow left 128--255: flow right
CH5	Macro speed 1	Macro speed , slow->fast
CH6	R dimmer	R dimming,0~100% linear dimming,dark ->bright(priority)
CH7	G dimmer	G dimming,0~100% linear dimming,dark ->bright(priority)
CH8	B dimmer	B dimming,0~100% linear dimming,dark ->bright(priority)
CH9	W dimmer	W dimming,0~100% linear dimming,dark ->bright(priority)
CH10	Y dimmer	Y dimming,0~100% linear dimming,dark ->bright(priority)
CH11	UV dimmer	UV dimming,0~100% linear dimming,dark ->bright(priority)
CH12	LED1 dimmer	RGBWYUV dimming
CH13	LED2 dimmer	RGBWYUV dimming
CH14	LED3 dimmer	RGBWYUV dimming
CH15	LED4 dimmer	RGBWYUV dimming
.....	.....	.....
CH29	LED18 dimmer	RGBWYUV dimming

108CH

Channels	Function	Description
CH1	R1 dimmer	R1 dimming,0~100% linear dimming,dark ->bright
CH2	G1 dimmer	G1 dimming,0~100% linear dimming,dark ->bright
CH3	B1 dimmer	B1 dimming,0~100% linear dimming,dark ->bright

CH4	W1 dimmer	W1 dimming,0~100% linear dimming,dark ->bright
CH5	Y1 dimmer	Y1 dimming,0~100% linear dimming,dark ->bright
CH6	UV1 dimmer	UV1 dimming,0~100% linear dimming,dark ->bright
CH7	R2 dimmer	R2 dimming,0~100% linear dimming,dark ->bright
CH8	G2 dimmer	G2 dimming,0~100% linear dimming,dark ->bright
CH9	B2 dimmer	B2 dimming,0~100% linear dimming,dark ->bright
.....	.....	.....
CH108	UV18 dimmer	UV18 dimming,0~100% linear dimming,dark ->bright

119CH

Channels	**Function**	**Description**
CH1	Dimmer	RGBWYUV master dimmer, 0~100% linear dimming,dark ->bright
CH2	Strobe	RGBWYUV master strobe, slow->fast
CH3	Macro1	0--14： Empty 15--34： Color flow(Jump)（CH1--5 enable） 35--54： Color flow(Fade)（CH1--5 enable） 55--74： Color choose（CH1 enable） 75--94： Color Jump（CH1 enable） 95--114： Color fade,Color pulse（CH1 enable） 115--134：Effects 1（CH1 enable） 135--154：Effects2（CH1 enable） 155--174：Effects3（CH1 enable） 175--194：Effects4（CH1 enable） 195--214：Effects5（CH1 enable） 215--234：Effects6（CH1 enable） 235--255：Sound active（CH1 enable）
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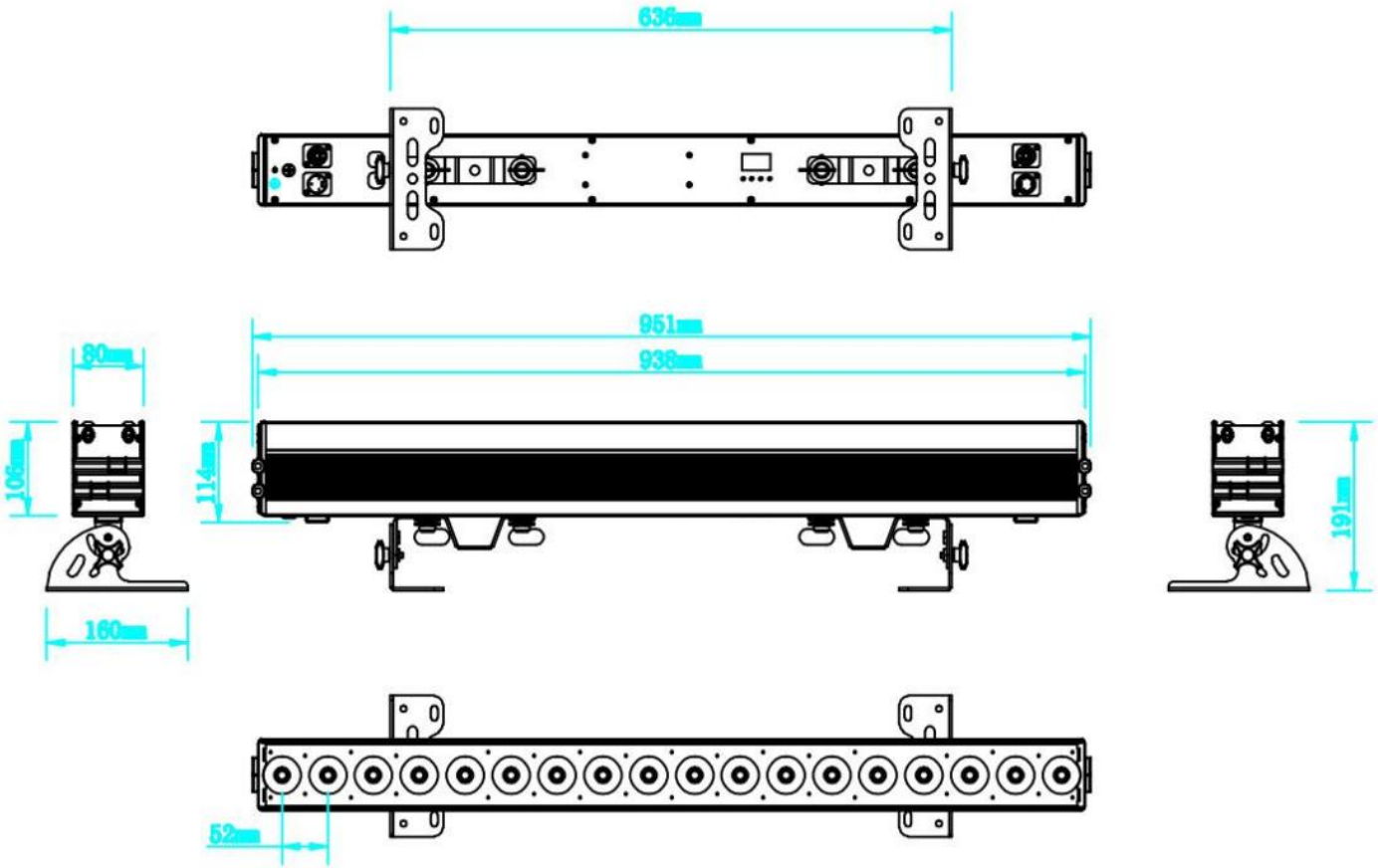
	Macro3	The direction of Color flow 0--127: flow left 128--255: flow right
CH5	Macro speed 1	Macro speed , slow->fast
CH6	R dimmer	R dimming,0~100% linear dimming,dark ->bright(priority)
CH7	G dimmer	G dimming,0~100% linear dimming,dark ->bright(priority)
CH8	B dimmer	B dimming,0~100% linear dimming,dark ->bright(priority)
CH9	W dimmer	W dimming,0~100% linear dimming,dark ->bright(priority)
CH10	Y dimmer	Y dimming,0~100% linear dimming,dark ->bright(priority)

CH11	UV dimmer	UV dimming,0~100% linear dimming,dark ->bright(priority)
CH12	R1 dimmer	R1 dimming,0~100% linear dimming,dark ->bright
CH13	G1 dimmer	G1 dimming,0~100% linear dimming,dark ->bright
CH14	B1 dimmer	B1 dimming,0~100% linear dimming,dark ->bright
CH15	W1 dimmer	W1 dimming,0~100% linear dimming,dark ->bright
CH16	Y1 dimmer	Y1 dimming,0~100% linear dimming,dark ->bright
CH17	UV1 dimmer	UV1 dimming,0~100% linear dimming,dark ->bright
CH18	R2 dimmer	R2 dimming,0~100% linear dimming,dark ->bright
CH19	G2 dimmer	G2 dimming,0~100% linear dimming,dark ->bright
CH20	B2 dimmer	B2 dimming,0~100% linear dimming,dark ->bright
.....	.....	.....
CH119	UV18 dimmer	UV18 dimming,0~100% linear dimming,dark ->bright

6.Dimension



7.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 connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on

PCB of the unit or the previous one.

4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

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 motors drive IC on the PCB might be out of condition

8.Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

Clean with soft cloth using normal glass cleaning fluid.

Always dry the parts carefully.

Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.