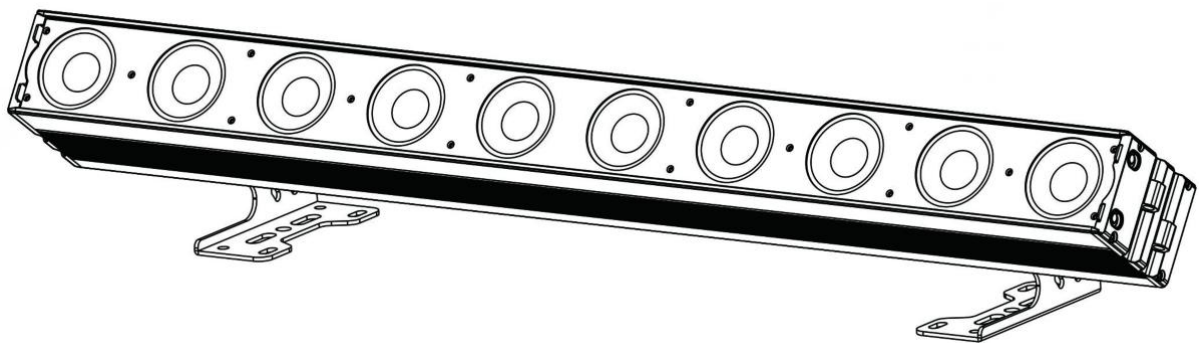


# User manual



## PIXEL BAR 500

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: 40C. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85C. 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:10PCS 50W Amber+2800K 2IN1 COB leds

DMX Channel:4/7/14/25/1/2/5/10/20CH

Dimmer:High resolution dimmer 0~100%

Lenses: 68.9mm 12/24/36/60degree optional

CTO:2800K-1800K

Operate:Setup and addressing via LED display and 4 buttons

Pixel Pitch: 94MM

Filter: Quick release diffusion filter

Working temperature: -30° C~50° C

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

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:5.8 KGS

## 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	Level 1	MARK
A001	001-512	DMX address
10CH	4/7/14/25/1/2/5/10/20CH	Channel model
PP00	PP00-PP30	Color Temperature 2800K-1800K
AU00	AU00-AU99	Auto Run
Soud		Sound control
U000	U000-U255	Warm white dimmer
S000	S000-S255	Amber dimmer

## 5.DMX Channels

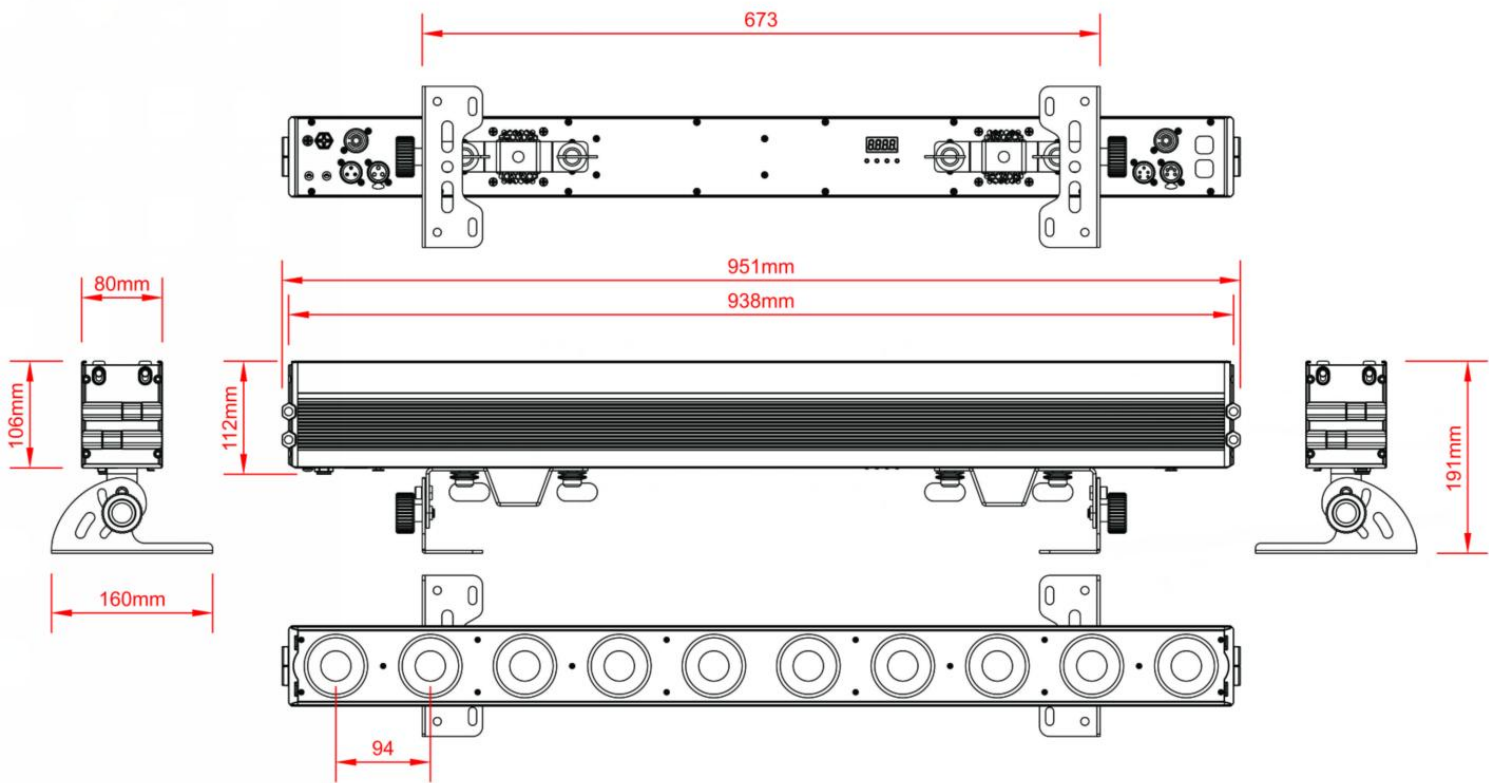
Mode	Channel	Function	value	Remark
4CH	1	Master Dimmer	000 - 255	0 - 100%
	2	Duration	000 - 255	0 - 100%
	3	Strobe	000 - 010	No function
			011 - 255	From slow to fast
	4	Flow Effect	000 - 255	Effect 1- 5
7CH	1	Master Dimmer	000 - 255	0 - 100%
	2	ALL White	000 - 255	0 - 100%
	3	All Amber	000 - 255	0 - 100%
	4	Duration	000 - 255	0 - 100%
	5	Strobe	000 - 010	No function
			011 - 255	From slow to fast
	6	Flow Effect	000 - 255	Effect 1- 5
	7	Speed	0	Tungsten Speed Mode
			001 - 254	Fast to slow
			255	Tungsten Effect
14CH	1	Master Dimmer	000 - 255	0 - 100%
	2	Pixel-1	000 - 255	0 - 100%
	3	Pixel-2	000 - 255	0 - 100%
	4	Pixel-3	000 - 255	0 - 100%
	5	Pixel-4	000 - 255	0 - 100%
	6	Pixel-5	000 - 255	0 - 100%
	7	Pixel-6	000 - 255	0 - 100%
	8	Pixel-7	000 - 255	0 - 100%
	9	Pixel-8	000 - 255	0 - 100%
	10	Pixel-9	000 - 255	0 - 100%
	11	Pixel-10	000 - 255	0 - 100%
	12	Duration	000 - 255	0 - 100%
	13	Strobe	000 - 010	No function
			011 - 255	From slow to fast
	14	Flow Effect	000 - 255	Effect 1- 5

25CH	1	Master Dimmer	000 - 255	0 - 100%
	2	Pixel-1 White	000 - 255	0 - 100%
	3	Pixel-1 Amber	000 - 255	0 - 100%
	4	Pixel-2 White	000 - 255	0 - 100%
	5	Pixel-2 Amber	000 - 255	0 - 100%
	6	Pixel-3 White	000 - 255	0 - 100%
	7	Pixel-3 Amber	000 - 255	0 - 100%
	8	Pixel-4 White	000 - 255	0 - 100%
	9	Pixel-4 Amber	000 - 255	0 - 100%
	10	Pixel-5 White	000 - 255	0 - 100%
	11	Pixel-5 Amber	000 - 255	0 - 100%
	12	Pixel-6 White	000 - 255	0 - 100%
	13	Pixel-6 Amber	000 - 255	0 - 100%
	14	Pixel-7 White	000 - 255	0 - 100%
	15	Pixel-7 Amber	000 - 255	0 - 100%
	16	Pixel-8 White	000 - 255	0 - 100%
	17	Pixel-8 Amber	000 - 255	0 - 100%
	18	Pixel-9 White	000 - 255	0 - 100%
	19	Pixel-9 Amber	000 - 255	0 - 100%
	20	Pixel-10 White	000 - 255	0 - 100%
	21	Pixel-10 Amber	000 - 255	0 - 100%
	22	Duration	000 - 255	0 - 100%
	23	Strobe	000 - 010	No function
			011 - 255	From slow to fast
	24	Flow Effect	000 - 255	Effect 1- 5
	25	Speed	0	Tungsten Speed Mode
			001 - 254	Fast to slow
			255	Tungsten Effect
1Ch	1	Master Dimmer	000 - 255	0 - 100%
2Ch	1	Pixel 1-5	000 - 255	0 - 100%
	2	Pixel 6-7	000 - 255	0 - 100%
5Ch	1	Pixel 1-2	000 - 255	0 - 100%
	2	Pixel 3-4	000 - 255	0 - 100%
	3	Pixel 5-6	000 - 255	0 - 100%
	4	Pixel 7-8	000 - 255	0 - 100%
	5	Pixel 9-10	000 - 255	0 - 100%

10Ch	1	Pixel-1	000 - 255	0 - 100%
	2	Pixel-2	000 - 255	0 - 100%
	3	Pixel-3	000 - 255	0 - 100%
	4	Pixel-4	000 - 255	0 - 100%
	5	Pixel-5	000 - 255	0 - 100%
	6	Pixel-6	000 - 255	0 - 100%
	7	Pixel-7	000 - 255	0 - 100%
	8	Pixel-8	000 - 255	0 - 100%
	9	Pixel-9	000 - 255	0 - 100%
	10	Pixel-10	000 - 255	0 - 100%
20CH	1	Pixel-1 White	000 - 255	0 - 100%
	2	Pixel-1 Amber	000 - 255	0 - 100%
	3	Pixel-2 White	000 - 255	0 - 100%
	4	Pixel-2 Amber	000 - 255	0 - 100%
	5	Pixel-3 White	000 - 255	0 - 100%
	6	Pixel-3 Amber	000 - 255	0 - 100%
	7	Pixel-4 White	000 - 255	0 - 100%
	8	Pixel-4 Amber	000 - 255	0 - 100%
	9	Pixel-5 White	000 - 255	0 - 100%
	10	Pixel-5 Amber	000 - 255	0 - 100%
	11	Pixel-6 White	000 - 255	0 - 100%
	12	Pixel-6 Amber	000 - 255	0 - 100%
	13	Pixel-7 White	000 - 255	0 - 100%
	14	Pixel-7 Amber	000 - 255	0 - 100%
	15	Pixel-8 White	000 - 255	0 - 100%
	16	Pixel-8 Amber	000 - 255	0 - 100%
	17	Pixel-9 White	000 - 255	0 - 100%
	18	Pixel-9 Amber	000 - 255	0 - 100%
	19	Pixel-10 White	000 - 255	0 - 100%
	20	Pixel-10 Amber	000 - 255	0 - 100%



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 motor's 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.