

PIXEL BAR 4824

48+24 LED strobes

USER MANUAL

CE IP20

Indoor



REV 1.0 - 24

English Version

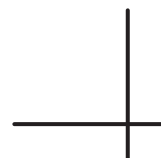


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Caution!



Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric



For your own safety, please read this user manual carefully before you initial start-up. Follow operating safety precautions and pay attention to warning signs methods and equipment



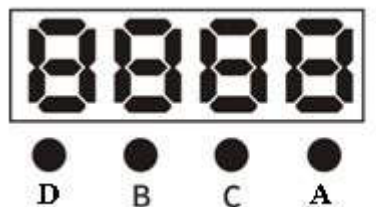
Indoor use only! To prevent risk of fire or shock, do not expose this product to rain or moisture. IP 20 rating.

The ambient temperature must be maintained between -5° C and +45° C at all times.

Every person involved with the installation, operation and maintenance of this device has to

- be qualified
- follow the instructions of this manual
- consider this manual to be part of the total product
- keep this manual for the entire service life of the product
- pass this manual on to every further owner or user of the product
- download the latest version of the user manual from the Internet

Display panel and key definition



- [D] Menu : Select function
- [B] Up : the parameter is incremented
- [C] Down : parameter decrement
- [A] Confirm : confirm and save

Menu functions

Press the menu key after power on, and the menu menu menu will appear in turn; Press the up or down key to modify the function parameters, and the confirm key to save the current function and parameters (with power down memory after saving).

Menu menu:

Display	Adjustment	Functions
A001	A001-A512	Modify the address code (A001~A512) up or down, confirm key to save, default A001.
CH04	CH04-C168	Switch ch04, ch16, and, ch168, six channels up or down, confirm to save, default CH16.
A000	A000-A127	Modify up or down, RGB effect mode. Confirm to save.

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Display	Adjustment	Functions
S010	S000-S255	Modify up or down, RGB mode speed. Confirm to save.
P000	P000-P063	Modify up or down, W effect mode. Confirm key to save.
S010	S000-S255	Modify the W mode speed up or down. Confirm key to save.
q000	q000-q127	Modify the RGBW effect mode up or down. Confirm key to save.
S010	S000-S255	Modify the RGBW mode speed up or down. Confirm key to save.
r255	r000-r255	Modify red bead brightness (R000~R255) up or down, confirm to save, default R255.
G255	G000-G255	Modify the green lamp bead brightness (G000~G255) up or down, confirm to save, default G255.
b255	b000-b255	Modify the brightness of blue lamp bead (B000~B255) up or down, confirm key to save, default B255.
W255	W000-W255	Modify the brightness of white lamp bead (W000~ W255) upward or downward, confirm key to save, default W255.
T000		Display temperature, e.g. T045 means the current temperature of the fixture is 45°C ; without 10K thermistor installed, T000 is displayed.

Master slave control

Two or more identical lamps are connected by DMX three core signal wires. All lamps are set to any address code A001 ~ A512, and any one is set as the master, while other lamps are slave; When the host is used to adjust the effects of gradient, pulse change, jump change, voice control, dimming and self All slaves have synchronous gradient, pulse change, jump change, voice control, dimming and self-propelled effects.

Special attention:

1. Only one host can be set for a group of lamps. If there are multiple hosts, all lamps will flash out of sync.
2. All lamps can only work when the DMX512 console is turned off.

Factory settings

In case of any address code from A001 to A512, press the menu key for 5 seconds to enter the factory setting. Factory setting mainly includes the functions of lamp output power, fan setting mode, setting temperature protection point and sending parameters. The factory sets any mode and exits by pressing the menu key for 5 seconds.

Factory setting mode table

Regulate	Functionality
R255-R032	Modify the red light bead current (r032-r255) up or down, and press the OK key to save.
G255-G032	Modify the green bulb current (g032-g255) up or down, and press the OK key to save.
B255-B032	Modify the blue light bead current (b032-b255) up or down, and press the OK key to save.
W255-W032	Modify the white bulb current (w032-w255) up or down, and press the OK key to save.
FAN0-FAN1	Modify the running speed of y-axis motor (M000 ~ m255) up or down, and press the OK key to save.

Regulate	Functionality
T040-T070	Fan setting: start the fan when fan0 is powered on, start the fan when Fan1 reaches the set temperature protection point, and press OK to save.
Send	Modify the temperature parameter (40 °C ~ 70 °C) up or down, and press the OK key to save.

DMX 512 Console

After power on, set the address codes of all lamps, and then connect all lamps to DMX512 console in parallel with three core signal wires. The address code will stop flashing, indicating that DMX512 console signal has been sent to lamps. Use DMX512 console to control relevant functions according to the instructions of each channel.

CH4 Channel description

passageway	Channel value	basic function
1	000-255	Red light bead linear dimming.
2	000-255	Green light bead linear dimming.
3	000-255	Blue light bead linear dimming.
4	000-255	White light bead linear dimming.

CH16 Channel description

passageway	Channel value	basic function	
1	000-255	Total dimming	
2	000-255	RGB stroboscopic	
3	000-255	Red light bead linear dimming.	
4	000-255	Green light bead linear dimming.	
5	000-255	Blue light bead linear dimming.	
6	000-255	RGB mode	
7	000-255	RGB speed	
8	000-255	W stroboscopic	
9	000-255	white light	
10	000-255	W mode	
11	000-255	W speed	
12	000-255	RGBW stroboscopic	
13	000-255	RGBW mode	
14	000-255	RGBW speed	
15	000-255	Background color	Displayed only in RGBW mode
16	000-255	Background dimming	

CH168 Channel description

passageway	Channel value	basic function
1	000-255	Segment 01 red light bead linear dimming.
2	000-255	Segment 01 green light bead linear dimming.
3	000-255	Segment 01 blue light bead linear dimming.
5	000-255	Section 02 red light bead linear dimming.
6	000-255	Segment 02 green bulb linear dimming.

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passageway	Channel value	basic function
7	000-255	Segment 02: linear dimming of blue light beads.
...	...	
142	000-255	Section 48 red light bead linear dimming.
143	000-255	Segment 48 green light bead linear dimming.
144	000-255	Segment 48: linear dimming of blue light beads.
145	000-255	Linear dimming of red light beads in Section 1.
146	000-255	Section 2 green light bead linear dimming.
147	000-255	Section 3: linear dimming of blue light beads.
...	...	
167	000-255	Section 23 green light bead linear dimming.
168	000-255	Segment 24: linear dimming of blue light beads.

Mode Effect

RGB Effect

Channel Value	Mode Code	RGB effect
0-1	0	No effect
2-3	1	Effect 1
4-5	2	Effect 2
6-7	3	Effect 3
...	...	
250-251	125	Effect 125
252-253	126	Effect 126
254-255	127	Pattern code 1-126 loop

W main light effect

Channel Value	Mode Code	W main light effect
0-3	0	No effect
4-7	1	Effect 1
8-11	2	Effect 2
12-15	3	Effect 3
...	...	
240-243	60	Effect 60
244-247	61	Effect 61
248-251	62	Effect 62
252-255	63	Pattern code 1-62 cycle

RGBW combination effect

Channel Value	Mode Code	RGBW combination effect
0-1	0	No effect
2-3	1	Effect 1
4-5	2	Effect 2
6-7	3	Effect 3
...	...	
250-251	125	Effect 125
252-253	126	Effect 126
254-255	127	Pattern code 1-126 cycle

Technical parameters

Product:	Pixel Bar 4824
Voltage:	AC100-240V, 50/60Hz
Power:	150W
Lamp beads:	240 0.5W 5730 lamp beads and 480 0.3w RGB lamp beads
Control mode:	DMX512, self-propelled, master-slave, voice control, with RDM function
Channel:	CH4、CH16、CH168
Dimming:	16bit 0~100%linear dimming
Features:	horse running + explosive flash
Working temperature:	-30 °C ~50 °C
Stroboscopic frequency:	1~30HZ
Appearance:	Metal, black
Connection mode:	DMX512 input / output
IP:	20

Please note: All information is subject to change without notice.

