

# Pixelator

Item ref: 151.616UK

144pcs Pixel LED Effects Bar

User Manual

Please read through this manual thoroughly before use, any damage caused by misuse of product will not be covered by warranty.

LED effects bar fitted with 144 RGB SMD's to provide a wide range of bright and colourful patterns and effects. Various automatic shows and settings can be run directly from the unit, or using sound to light. Alternatively the bar can be operated remotely by DMX in various channel modes and connected to multiple units if a larger effect is needed. Supplied with twist and lock power lead and tilt-adjustable brackets for hanging, truss mounting or free-standing.



## In the box:

Your Pixelator should arrive with you in a single carton in good condition. The carton should contain 1x main unit, 2x fixing stand/brackets with thumbscrews, 1x twist and lock UK mains lead and 1x user guide.

## Warning:

To prevent risk of fire or electric shock, do not expose the unit to rain or damp environments. In the event of a spillage, disconnect the mains and allow the unit to dry out naturally. Qualified personnel should then check the unit before continuing use.



**Please do not open cover, contains high voltage. This product is not serviceable or repairable by the end user. Please refer to qualified personnel for service and repair.**



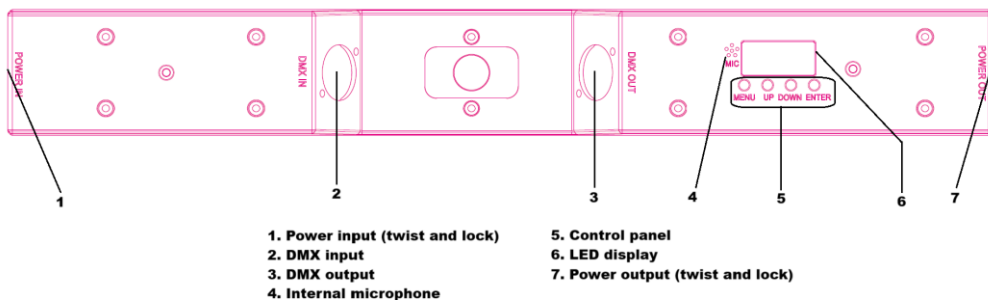
## Placement:

- Use the mounting brackets included to fix to a stand or lighting truss.
- Use secondary safety fixings if mounting overhead.
- Keep away from damp or dusty environments.
- Ensure adequate airflow around the fixture housings.
- Ensure adequate access to controls and connections.
- Do not aim LED output directly into line of sight, as this can result in eye injury.

## Cleaning:

- Use a soft cloth with a neutral detergent to clean the casing as required.
- Do not use strong solvents for cleaning the unit.

## Side panel controls:



## Manual control menu:

Press the **"MENU"** button to enter the settings menu.

Press **"UP"** and **"DOWN"** buttons to navigate through various setting functions.

Press **"ENTER"** button to confirm the desired setting.

Mode	Programming		Description	
Auto mode	Auto	Sp 1-10	Auto Speed 1-10 (slow to fast)	Self-walk mode, randomly running all the effects
		St 0-9	strobe (slow to fast)	
DMX mode	Addr	3 CH	A001-A510	Each channel mode is a separate address, plugged into the console, and automatically into the DMX mode
		5 CH	A001-A508	
		8 CH	A001-A505	
		36CH	A001-A477	
		40CH	A001-A473	
Show	Shou	Sh 1-56	Program Show 1-56	
		Sp 1-10	Program Speed 1-10 (slow->fast)	
		St 0-9	Program Flash 0-9 (slow->fast)	

Sound Mode	Soud	Sou1~2	Sen1-9	2 voice-control modes with adjustable sensitivity	
Slave	SLAV	Slave		Slave ( From the machine, automatically identify the host )	
Edit color	Colo	r000-255		Red (0-100%)	
		g000-255		Green (0-100%)	
		b000-255		Blue (0-100%)	
		St0-9		LED Strobe (slow->fast)	
Static colors	StAt	CL01-CL37		static color ( The 37 static colors are optional )	
		St0-9		LED Strobe (slow->fast)	
Product Set	Set	dis	10s	Set the display panel backlight time, 10 seconds to continuous light, factory default of 10 seconds	
			20s		
			30s		
			60s		
			on		
		temP	50~65℃	Protection temperature setting, protection within 50~65℃, beyond which range begins to reduce the output power	
		dir	--->	Set the light direction to the right	
			<---	Set the light direction to the left	
		InFr	on	Remote control function is set on	
			oFF	Remote control function is set off	
		Send	yes	One-click set transmission function to send the current lamp channel mode and temperature protection value to other lamps connected to this lamp.(No other controller on the line)	
			Send		
Information	Info	ver	Wxx	Soft version	
		temp	XX C	Current lamp board temperature (degrees° C) if the temperature detection line fails, boot prompt-RT-, the menu display seror	

### DMX mode:

The Pixelator can be controlled by DMX signal, simply connect the DMX signal source to the DMX input on the unit via a balanced XLR lead. Extra fixtures can be controlled by the same DMX signal by looping through the DMX out on the unit. To enter DMX mode, select A001 from the menu and confirm the correct start address and channel selection by using the **"UP"** and **"DOWN"** buttons and **"ENTER"**. The "A" on the LED display will begin to flash once it's received the DMX signal from the controller. This unit has 3, 5, 8, 36 or 40 DMX channels as indicated in the table below:

### 3 Channel mode:

CH1	0-255	ALL RED(0-100%)
CH2	0-255	ALL GREEN(0-100%)
CH3	0-255	ALL BLUE (0-100%)

### 5 Channel mode:

CH1	0-255	Total Dimmer	
CH2	0-9	No Function	Strobe
	10-255	From Slow to fast	
CH3	0-255	ALL RED (0-100%)	
CH4	0-255	ALL GREEN (0-100%)	
CH5	0-255	ALL BLUE (0-100%)	

### 8 Channel mode:

CH1	0-255	Total Dimmer	
CH2	0-255	ALL RED (0-100%)	
CH3	0-255	ALL GREEN (0-100%)	
CH4	0-255	ALL BLUE (0-100%)	
CH5	0-9	No Function	Strobe
	10-255	From Slow to fast	
CH6	0-3	CH2-CH4 controls overall color	RGBW Effect Channel
	4-7	Pattern 1(CH2-CH4 can control pattern color)	
	8-11	Pattern 2(CH2-CH4 can control pattern color)	
	***	***	
	148-151	Pattern 37(CH2-CH4 can control pattern color)	
	152-155	Pattern 38 (built-in effect color)	
	156-159	Pattern 39 (built-in effect color)	
	***	***	
	224-227	Pattern 56 (built-in effect color)	
	228-231	Self-walking effect (loop running pattern effect 1-56)	
	232-235	Voice Mode 1	
	236-255	Voice Mode 2	
CH7	0-255	RGB Program Speed (From Slow to fast)	Effect Speed
CH8	0-255	RGB Background color selection(see the final background color table for details)	

### 36 Channel mode:

CH1	0-255	R 1 (0-100%)
CH2	0-255	G 1 (0-100%)
CH3	0-255	B 1 (0-100%)
***	***	***
***	***	***
CH34	0-255	R 12 (0-100%)
CH35	0-255	G 12 (0-100%)
CH36	0-255	B 12 (0-100%)

### 40 Channel mode:

CH1	0-255	R 1 (0-100%)	
CH2	0-255	G 1 (0-100%)	
CH3	0-255	B 1 (0-100%)	
***	***	***	
CH34	0-255	R 12 (0-100%)	
CH35	0-255	G 12 (0-100%)	
CH36	0-255	B 12 (0-100%)	
CH37	0-9	No Function	Strobe
	10-255	From Slow to fast	
CH38	0-3	CH1-CH37 controls overall color	RGB Effect Channel
	4-7	Pattern 1(CH2-CH3 can control pattern color)	
	8-11	Pattern 2(CH2-CH3 can control pattern color)	
	***	***	
	148-151	Pattern 37(CH1-CH4 can control pattern color)	
	152-155	Pattern 38 (built-in effect color)	
	156-159	Pattern 39 (built-in effect color)	
	***	***	
	224-227	Pattern 56 (built-in effect color)	
	228-231	Self-walking effect (loop runing pattern effect 1-56)	
	232-235	Voice Mode 1	
	236-255	Voice Mode 2	
CH39	0-255	RGB Program Speed (From Slow to fast) Effect Speed	
CH40	0-255	RGB Background color selection(see the final background color table for details)	

## RGB Background Color Table

Value	Color
0-6	R:000 G:000 B:000
7-13	R: 51 G:000 B:000
14-20	R:102 G:000 B:000
21-27	R:153 G:000 B:000
28-34	R:204 G:000 B:000
35-43	R:255 G:000 B:000
42-48	R:000 G: 51 B:000
49-55	R:000 G:102 B:000
56-62	R:000 G:153 B:000
63-69	R:000 G:204 B:000
70-76	R:000 G:255 B:000
77-83	R:000 G:000 B: 51
84-90	R:000 G:000 B:102
91-97	R:000 G:000 B:153
98-104	R:000 G:000 B:204
105-111	R:000 G:000 B:255
112-118	R: 51 G: 51 B:000
119-125	R:102 G:102 B:000
126-132	R:153 G:153 B:000

133-139	R:204 G:204 B:000
140-146	R:255 G:255 B:000
147-153	R: 51 G:000 B: 51
154-160	R:102 G:000 B:102
161-167	R:153 G:000 B:153
168-174	R:204 G:000 B:204
175-181	R255 G:000 B:255
182-188	R:000 G: 51 B: 51
189-195	R:000 G:102 B:102
196-202	R:000 G:153 B:153
203-209	R:000 G:204 B:204
210-216	R:000 G:255 B:255
217-223	R: 51 G: 51 B: 51
224-230	R:102 G:102 B:102
231-237	R:153 G:153 B:153
238-244	R:204 G:204 B:204
245-255	R:255 G:255 B:255

## Specifications:

<b>Power supply</b>	110-240Vac, 50/60Hz
<b>Power consumption</b>	60W
<b>LED type</b>	144Pcs SMD 5050 3IN1 RGB LEDs
<b>Beam angle</b>	90°
<b>Modes</b>	Auto, Show, Sound, Master/Slave, DMX
<b>DMX channels</b>	3, 5, 8, 36 or 40CH
<b>Connections</b>	Power in/out (twist and lock), DMX in/out (3pin XLR)
<b>Dimensions</b>	60 x 80 x 1010mm
<b>Weight</b>	1.54kg

### Troubleshooting:

No power (mains)	Check mains voltage is correct and outlet is switched on
	Check mains lead and fuse (if fuse continually blows, refer to your dealer)
No light output	Check control panel mode settings
	Check DMX settings from controller (dimmer levels, blackout etc.)
Unresponsive to DMX	Check that unit is in DMX mode and ensure the A on the DMX address flashes to confirm it's receiving a DMX signal
	Check DMX controller is not set to black out
	Check DMX controller is on correct fixture/page
	Check master dimmer value
	Check correct DMX address is set
Overheating/ cutting out	Check DMX connection and leads
	Ensure adequate ventilation and unit is not too close to a heat source



This product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

**Errors and omissions excepted.**

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