

# Pixel-Bar

Item ref: 151.594UK

Pixelated LED Wall Strobe Bar

User Manual

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

The QTX Pixel-Bar LED wall strobe bar is fitted with 224 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 more units if a larger effect is needed.



## In the box:

Your Pixel-Bar 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 clear diffuser, 1x UK IEC mains lead and 1x manual.

## 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.**



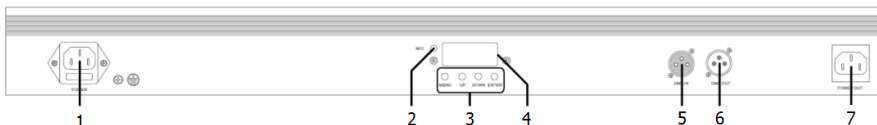
## Placement:

- Use the included mounting brackets 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:



- |                                 |                    |
|---------------------------------|--------------------|
| 1 IEC mains inlet & fuse holder | 5 DMX input        |
| 2 Internal microphone           | 6 DMX output       |
| 3 Control panel                 | 7 IEC mains outlet |
| 4 LED display                   |                    |

## 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 SP1 - SP10		Auto mode Auto mode speed adjust – slow to fast
DMX mode	Addr	3CH	A001-A510
		5CH	A001-A508
		8CH	A001-A505
		24CH	A001-A489
		48CH	A001-A465
Show mode	Shou	Sh1-Sh54	Programmed show modes 1-54
		Sp1-Sp10	Show mode speed adjust – slow to fast
		St0-St9	Show mode strobe adjust – slow to fast
Sound mode	Soud	Sou1-Sou3	Sound activated modes
		Sen1-Sen9	Sound activated mode sensitivity adjustment – low to high
Edit colour	Colo	r000-255	Red dimming 0-100%
		G000-G255	Green dimming 0-100%
		b000-b255	Blue dimming 0-100%
Static Colours	Stat	CL00-CL26	RGB static colour select
Slave	Slav	Slav	Slave automatically identifies the host
Setting adjust	Set	dis	Backlight board time adjust - 10s, 20s, 30s, 60s, on (default is 10 seconds)
		dir	Setting direction - ← or → (left or right)
Information	Info	Ver	Displays current software version

### DMX mode:

The Pixel-Bar 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 "d" on the LED display will begin to flash once it's received the DMX signal from the controller. This unit has 3, 5, 8, 24, 48 or 53 DMX channels as indicated in the table below:

### 3 Channel mode:

Channel	Value	Function and description
1	0 - 255	Red dimmer (0-100%)
2	0 - 255	Green dimmer (0-100%)
3	0 - 255	Blue dimmer (0-100%)

### 5 Channel mode:

Channel	Value	Function and description
1	0 - 255	Master dimmer (0-100%)
2	0 - 9	No function
	10 - 255	Strobe (slow to fast)
3	0 - 255	Red dimmer (0-100%)
4	0 - 255	Green dimmer (0-100%)
5	0 - 255	Blue dimmer (0-100%)

### 8 Channel mode:

Channel	Value	Function and description
1	0 - 255	Master dimmer (0-100%)
2	0 - 255	Red dimmer (0-100%)
3	0 - 255	Green dimmer (0-100%)
4	0 - 255	Blue dimmer (0-100%)
5 (only valid when CH6 value<10)	0 - 9	No function
	10 - 13	Static colour (CH7 choice)
	14 - 229	Built in effects 1-54
	230 - 233	Auto mode (run built in effects 1-54)
	234 - 255	Sound activated modes 1-3
6	0 - 9	No function
	10 - 105	LED segments 1-16 light up (CH2, CH3, CH4 control colour and if CH7>100 the other LED segments are off)
	106 - 255	Pattern effects 1-24 (CH2, CH3, CH4 control pattern colours)
7	0 - 9	No function
	10 - 255	Static colours 1-25
8	0 - 9	No function
	10 - 255	Strobe (slow to fast)

### 24 Channel mode:

Channel	Value	Function and description
1	0 - 255	Master dimmer (0-100%)
2	0 - 255	Red dimmer (0-100%)
3	0 - 255	Green dimmer (0-100%)
4	0 - 255	Blue dimmer (0-100%)

5 (only valid when CH6 value <10)	0 - 9	No function
	10 - 13	Static colour (CH7 choice)
	14 - 229	Built in effects 1-54
	230 - 233	Auto mode (run built in effects 1-54)
	234 - 255	Sound activated modes 1-3
6	0 - 9	No function
	10 - 255	Pattern effects 1-24 (CH2, CH3, CH4 control pattern colours)
7	0 - 9	No function
	10 - 255	Static colours 1-25
8	0 - 9	No function
	10 - 255	Strobe (slow to fast)
9 - 24	0 - 255	Segment 1-15 LED dimming

#### 48 Channel mode:

Channel	Value	Function and description
1	0 - 255	Red 1 (0-100%)
2	0 - 255	Green 1 (0-100%)
3	0 - 255	Blue 1 (0-100%)
4	0 - 255	Red 2 (0-100%)
5	0 - 255	Green 2 (0-100%)
6	0 - 255	Blue 2 (0-100%)
...	...	...
46	0 - 255	Red 16 (0-100%)
47	0 - 255	Green 16 (0-100%)
48	0 - 255	Blue 16 (0-100%)

#### 53 Channel mode:

Channel	Value	Function and description
1	0 - 255	Master dimmer (0-100%)
2	0 - 255	Red 1 (0-100%)
3	0 - 255	Green 1 (0-100%)
4	0 - 255	Blue 1 (0-100%)
5	0 - 255	Red 2 (0-100%)
6	0 - 255	Green 2 (0-100%)
7	0 - 255	Blue 2 (0-100%)
...	...	...
47	0 - 255	Red 16 (0-100%)
48	0 - 255	Green 16 (0-100%)
49	0 - 255	Blue 16 (0-100%)
50 (only valid when CH51 value <10)	0 - 9	No function
	10 - 13	Static colour (CH52 Choice)
	14 - 229	Built in effects 1-54
	230 - 233	Auto mode (run built in effects 1-54)
	234 - 255	Sound activated modes 1-3
51	0 - 9	No function
	10 - 255	Pattern effects 1-24 (CH2, CH3, CH4 control pattern colours)
52	0 - 9	No function
	10 - 255	Static colours 1-25
53	0 - 9	No function
	10 - 255	Strobe (slow to fast)

## Changing the diffuser:

The QTX Pixel-Bar comes supplied with 2 diffusers, white and clear. Replacing one with the other is a very simple procedure. Firstly remove the 4 screws from one end of the unit and remove the end cap. Next slide the diffuser out and carefully replace with the alternative one. Finally replace the end cap and screws ensuring it's in alignment before tightening.

## Specifications:

<b>Power supply</b>	110-240Vac, 50/60Hz (IEC)
<b>Power consumption</b>	60W
<b>Fuse rating</b>	F3A
<b>LED type</b>	SMD 5050 RGB
<b>LED quantity</b>	224
<b>Modes</b>	Static colour, colour change, colour fade, auto, sound active, DMX, master/slave
<b>DMX channels</b>	3, 5, 8, 24, 48, 53
<b>Dimensions</b>	1100 x 60 x 60mm
<b>Weight</b>	1.35kg

## Troubleshooting:

No power (mains)	Check mains voltage is correct and outlet is switched on
	Check IEC 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.

Copyright© 2022 AVSL Group Ltd, Unit 2 Bridgewater Park,  
Taylor Road, Trafford Park, Manchester. M41 7JQ.

AVSL (Europe) Ltd, Unit 3D North Point House,  
North Point Bus. Park, New Mallow Road, Cork, Ireland.