

DuplexBar

Item ref: 151.614UK

48 x 3W Double LED Wall 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 beam and effects bar with 48 high output RGBA LEDs to provide colour washes and moving patterns against walls, ceilings or even across floors. 2 rows of 24 LEDs can be controlled by auto or sound activated modes from preset internal colour sequences. Alternatively, in manual mode, the bar can be set to static colours or operated remotely by DMX in various channel modes. Supplied with tilt-adjustable brackets for mounting to a wall or ceiling.

In the box:

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



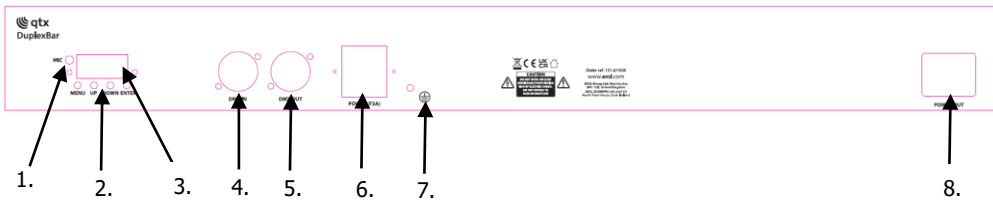
Placement:

- Use the 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.

Rear panel controls:



1. Internal microphone
2. Control panel
3. LED display
4. DMX input

5. DMX output
6. Power input (IEC)
7. Earth screw (do not remove)
8. Power output (IEC)

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)	Auto mode, randomly running all effects
		St 0-9	Strobe 0-9 (slow to fast)	
DMX mode	Addr	4 CH	A001-A509	Each channel mode is a separate address, plugged into the console and automatically enters DMX mode
		6 CH	A001-A507	
		9 CH	A001-A504	
		32CH	A001-A481	
		36CH	A001-A477	
Show	Shou	Sh 1-54	Program Show 1-54	
		Sp 1-10	Program Speed 1-10 (slow to fast)	
		St 0-9	Program Strobe 0-9 (slow to fast)	

Sound Mode	Soud	Sou1~2	Sen1-9	2 sound control modes, adjustable sensitivity
Slave	SLAV	Slave		Slave (automatically identifies the master)
Edit colour	Colo	r000-255		Red dimmer (0-100%)
		g000-255		Green dimmer (0-100%)
		b000-255		Blue dimmer (0-100%)
		U000-255		White dimmer (0-100%)
		St0-9		LED Strobe (slow to fast)
Static colours	StAt	CL01-CL41		Static colour (41 static colours to select)
		St0-9		LED Strobe (slow to fast)
Product Set	Set	dis	10s	Set the backlight time of the display panel from 10 seconds to continuous brightness (factory default 10 seconds)
			20s	
			30s	
			60s	
			on	
		temp	50~65°C	Protection temperature setting, protection within the range of 50~65°C, starting to reduce output power beyond this range (factory setting of 65°C)
		dir	--->	Set the light direction to the right
			<---	Set the light direction to the left
		Send	yes	One click setting to send function, sending the current channel mode and temperature protection value of the lamp to other lamps connected to this lamp. (No other controllers are allowed on the line)
			Send	
Information	Info	ver	xxxx	Software version
		temp	XX C	The current temperature of the light board (Celsius). If there is a fault in the temperature detection circuit, the startup prompt will be - RT -, and the menu will display 'error'

DMX mode:

The DuplexBar 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 4, 6, 9, 32 or 36 DMX channels as indicated in the tables below:

4 Channel mode:

Channel	Value	Function and description
CH1	0-255	Red dimmer (0-100%)
CH2	0-255	Green dimmer (0-100%)
CH3	0-255	Blue dimmer (0-100%)
CH4	0-255	Amber dimmer (0-100%)

6 Channel mode:

Channel	Value	Function and description
CH1	0-255	Master dimmer (0-100%)
CH2	0-9	No function
	10-255	Strobe (slow to fast)
CH3	0-255	Red dimmer (0-100%)
CH4	0-255	Green dimmer (0-100%)
CH5	0-255	Blue dimmer (0-100%)
CH6	0-255	Amber dimmer (0-100%)

9 Channel mode:

Channel	Value	Function and description	
CH1	0-255	Master dimmer (0-100%)	
CH2	0-255	Red dimmer (0-100%)	
CH3	0-255	Green dimmer (0-100%)	
CH4	0-255	Blue dimmer (0-100%)	
CH5	0-255	Amber dimmer (0-100%)	
CH6	0-9	No Function	Strobe
	10-255	Slow to Fast	
CH7	0-3	CH2~5 Control the overall colour	Effect Channels
	4-7	Effect1 (CH2~5 can control effect colour)	
	8-11	Effect2 (CH2~5 can control effect colour)	
	"" ""	"" "" "" "" "" "" "" ""	
	132-135	Effect33(CH2~5 can control effect colour)	
	136-139	Effect34(Built in effect colours)	
	140-143	Effect35(Built in effect colours)	
	"" ""	"" "" "" "" "" "" "" ""	
	216-219	Effect54 (Built in effect colours)	
	220-223	Auto effect (Recycle run effect 1~54)	
224-227	Sound activated 1		
	228-255	Sound activated 2 (CH2~5 can control colour)	
CH8	0-255	Program Speed (Slow to fast)	
CH9	0-255	Effect background colour select (Please refer to the end for details RGBW Background Colour Table)	

32 Channel mode:

Channel	Value	Function and description
CH1	0-255	Red 1 dimmer (0~100%)
CH2	0-255	Green 1 dimmer (0~100%)
CH3	0-255	Blue 1 dimmer (0~100%)
CH4	0-255	Amber 1 dimmer (0~100%)
"" ""	"" ""	"" "" "" ""
CH29	0-255	Red 8 dimmer (0~100%)
CH30	0-255	Green 8 dimmer (0~100%)
CH31	0-255	Blue 8 dimmer (0~100%)
CH32	0-255	Amber 8 dimmer (0~100%)

36 Channel mode:

CH1	0-255	Red 1 dimmer (0~100%)	
CH2	0-255	Green 1 dimmer (0~100%)	
CH3	0-255	Blue 1 dimmer (0~100%)	
CH4	0-255	Amber 1 dimmer (0~100%)	
CH29	0-255	Red 8 dimmer (0~100%)	
CH30	0-255	Green 8 dimmer (0~100%)	
CH31	0-255	Blue 8 dimmer (0~100%)	
CH32	0-255	Amber 8 dimmer (0~100%)	
CH33	0-9	No Function	Strobe
	10-255	Slow to Fast	
CH34	0-3	CH1~32 single point of control	Effect Channels
	4-7	Effect 1 (CH1~4 can control effect colour)	
	8-11	Effect 2 (CH1~4 can control effect colour)	
	132-135	Effect 33 (CH1~4 can control effect colour)	
	136-139	Effect 34 (Built in effect colours)	
	140-143	Effect 35 (Built in effect colours)	
	216-219	Effect 54(Built in effect colours)	
	220-223	Auto effect (Recycle run effect 1~54)	
	224-227	Sound activated 1	
	228-255	Sound activated 2 (CH1~4 can control colour)	
CH35	0-255	Program Speed (Slow to fast)	
CH36	0-255	Effect background colour select (Please refer to the end for details RGBW Background Colour Table)	

RGB background colour list:

Value	Colour
0-4	R:000 G:000 B:000 A:000
5-9	R: 20 G:000 B:000 A:000
10-14	R:38 G:000 B:000 A:000
15-19	R:71 G:000 B:000 A:000
20-24	R:135 G:000 B:000 A:000
25-29	R:255 G:000 B:000 A:000
30-34	R:000 G: 20 B:000 A:000
35-39	R:000 G:38 B:000 A:000
40-44	R:000 G:71 B:000 A:000
45-49	R:000 G:135 B:000 A:000
50-54	R:000 G:255 B:000 A:000
55-59	R:000 G:000 B: 20 A:000
60-64	R:000 G:000 B:38 A:000
65-69	R:000 G:000 B:71 A:000
70-74	R:000 G:000 B:135 A:000
75-79	R:000 G:000 B:255 A:000
80-84	R:000 G:000 B:000 A: 20

85-89	R:000 G:000 B:000 A:38
90-94	R:000 G:000 B:000 A:71
95-99	R:000 G:000 B:000 A:135
100-104	R:000 G:000 B:000 A:255
105-109	R: 20 G: 20 B:000 A:000
110-114	R:38 G:38 B:000 A:000
115-119	R:71 G:71 B:000 A:000
120-124	R:135 G:135 B:000 A:000
125-129	R:255 G:255 B:000 A:000
130-134	R: 20 G:000 B: 20 A:000
135-139	R:38 G:000 B:38 A:000
140-144	R:71 G:000 B:71 A:000
145-149	R:135 G:000 B:135 A:000
150-154	R255 G:000 B:255 A:000
155-159	R:000 G:20 B: 20 A:000
160-164	R:000 G:38 B:38 A:000
165-169	R:000 G:71 B:71 A:000
170-174	R:000 G:135 B:135 A:000

175-179	R:000 G:255 B:255 A:000
180-184	R: 20 G:000 B:000 A: 20
185-189	R:38 G:000 B:000 A:38
190-194	R:71 G:000 B:000 A:71
195-199	R:135 G:000 B:000 A:135
200-204	R:255 G:000 B:000 A:255
205-209	R:000 G: 20 B:000 A: 20
210-214	R:000 G:38 B:000 A:38

215-219	R:000 G:71 B:000 A:71
220-224	R:000 G:135 B:000 A:135
225-229	R:000 G:255 B:000 A:255
230-234	R:000 G:000 B: 20 A: 20
235-239	R:000 G:000 B:38 A:38
240-244	R:000 G:000 B:71 A:71
245-249	R:000 G:000 B:135 A:135
250-255	R:000 G:000 B:255 A:255

Specifications:

Power supply	110-240Vac, 50/60Hz
Power consumption	120W
LED type	48x 3W RGBA 4-in-1 LEDs
Beam angle	25°
Modes	Auto, Sound, Master/Slave, DMX512
DMX channels	4, 6, 9, 32 or 36CH
Connections	Power in/out (twist and lock), DMX in/out (3pin XLR)
Dimensions	62 x 90 x 1000mm
Weight	2.75kg

Troubleshooting:

No power (mains)	Check mains voltage is correct and outlet is switched on Check IEC power lead is connected properly
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 Check DMX connection and leads
Overheating/Cutting out	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© 2025 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.