

C-BAR

HIGH POWER RGB LED BAR

Item ref: 151.592UK

User Manual



Caution: Please read this manual carefully before operating
Damage caused by misuse is not covered by the warranty

Introduction

Thank you for choosing the C-BAR high power RGB LED light wash and effects bar. This unit is designed to give dynamic colour wash and up-lighting effects for venues and special events. Colours and sequences are controllable from DMX512 or internal auto and sound programs. Please read and keep the following instructions for future reference.

SAFETY SYMBOL AND MESSAGE CONVENTIONS



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

AVIS
RISQUE DE CHOC ELECTRIQUE NE
PAS OUVRIR



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

Warning

To prevent the risk of fire or electric shock, do not expose any components to moisture. If liquids are spilled on the housing, stop using immediately, allow unit to dry out and have checked by qualified personnel before further use. Avoid impact, extreme pressure or heavy vibration to the case. No user serviceable parts inside – Do not open the case – refer all servicing to qualified service personnel.

Safety

Check for correct mains voltage and condition of IEC lead before connecting to a power outlet. Do not allow any foreign objects to enter the case or connectors.

Placement

- Keep away from damp or dusty environments
- Use the included end brackets for installation on a wall or ceiling
- Ensure adequate air-flow around the housing
- Ensure adequate access to controls and connections

Cleaning

- Use a soft cloth with a neutral detergent to clean the casing as required
- Use a vacuum cleaner to clear optics and connectors of any dust or debris build-ups
- Do not use strong solvents for cleaning the unit

In the box

Please open the package carefully and check that all contents are present and in good condition. Contact your retailer if any part is missing or broken.

- C-BAR RGB LED bar
- 2 x end mounting brackets
- IEC mains lead

Side panel



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

Internal Settings

Using the four control panel buttons (2), the C-BAR can be set to various modes.

Press the MENU button to display the different functions (see table below). Use the UP/DOWN arrow buttons to make your selection and press the ENTER button to [enter] a value or confirm the selection.

Press Menu	Press ENTER and UP/DOWN	Description	Press ENTER and UP/DOWN	Description
<i>Addr</i>	<i>ADD 1 - AS 12</i>	DMX start address 0 -512		
<i>Chan</i>	<i>5Ch-8Ch- 14Ch-26Ch-50Ch</i>	DMX number of channels		
<i>SLid</i>	<i>MASTER-SL 1-SL 2</i>	Master/Slave 1/Slave 2		
<i>Sound</i>	<i>So 0 - So 16</i>	Sound activated program	<i>SE 0-SE99</i>	Mic sensitivity
<i>Auto</i>	<i>Au 0 - Au 16</i>	Auto run program	<i>SP 0 - SP 9</i>	Step speed
<i>Color</i>	<i>Co 1 -Co 7</i>	7 preset colours		
<i>IRnu</i>	<i>rEd GrEE bLUe</i>	Red, Green, Blue LEDs	<i>0-255</i>	Colour level
<i>di SP</i>	<i>dSI P</i>	Normal or inverted display		
<i>uEr</i>	<i>u 18</i>	Firmware version		

Standalone operation

The C-BAR can be operated without external control by selecting one of the Internal show modes from the control panel menu. These are Shown in the Internal Settings section above.

Master/slave operation

As shown in the Internal settings above, a C-BAR fixture which is set to Master mode (*MASTER*) may be connected via DMX lead to control further C-BAR units by setting subsequent units to one of 2 slave modes (*SL 1* or *SL 2*)

In this mode, the slave C-BAR units will react to the master C-BAR which is working in standalone mode.

DMX operation

In order to access the full DMX functions, the DMX start address will need to be set on the control panel.

When the display shows "A00 1", this means that the C-BAR is operated starting from DMX address 1.

When the display shows "A203", this means that the C-BAR is operated starting from DMX address 203. The start address can be anywhere between 001 and 512.

There are 5 modes for DMX operation, which determine how many channels are used to access the functions. Pressing the MENU button until "Chan" is displayed, press ENTER and select from 5, 8, 14, 26 or 50 channel modes.

Some DMX channels initiate the internal colour chases, which are detailed in the Colour Chase Table opposite

Colour Chase Table	
000-007	No function
008-022	Colour chase 01
023-037	Colour chase 02
038-052	Colour chase 03
053-067	Colour chase 04
068-082	Colour chase 05
083-097	Colour chase 06
098-112	Colour chase 07
113-127	Colour chase 08
128-142	Colour chase 09
143-157	Colour chase 10
158-172	Colour chase 11
173-187	Colour chase 12
188-202	Colour chase 13
203-217	Colour chase 14
218-232	Colour chase 15
233-247	Colour chase 16
248-255	Sound activated

DMX 5 channel mode

Channel	Value	Function
1	0-255	Red 0-100%
2	0-255	Green 0-100%
3	0-255	Blue 0-100%
4	0-255	See Colour Chase Table
5	0-255	Chase speed slow to fast

DMX 8 channel mode

Channel	Value	Function
1	0-255	Master dimmer
2	0-255	Strobe
3	0-255	Red 0-100%
4	0-255	Green 0-100%
5	0-255	Blue 0-100%
6	0-255	Auto program
7	0-255	See Colour Chase Table
8	0-255	Chase speed slow to fast

DMX 14 channel mode

Channel	Value	Function	
1	0-255	Section 1	Master dimmer
2	0-255		Strobe
3	0-255		Red 0-100%
4	0-255		Green 0-100%
5	0-255		Blue 0-100%
6	0-255		Auto program
7	0-255	Section 2	Master dimmer
8	0-255		Strobe
9	0-255		Red 0-100%
10	0-255		Green 0-100%
11	0-255		Blue 0-100%
12	0-255		Auto program
13	0-255	See Colour Chase Table	
14	0-255	Chase speed slow to fast	

DMX 26 channel mode

Channel	Value	Function	
1	0-255	Section 1	Master dimmer
2	0-255		Strobe
3	0-255		Red 0-100%
4	0-255		Green 0-100%
5	0-255		Blue 0-100%
6	0-255		Auto program
7	0-255	Section 2	Master dimmer
8	0-255		Strobe
9	0-255		Red 0-100%
10	0-255		Green 0-100%
11	0-255		Blue 0-100%
12	0-255		Auto program
13	0-255	Section 3	Master dimmer
14	0-255		Strobe
15	0-255		Red 0-100%
16	0-255		Green 0-100%
17	0-255		Blue 0-100%
18	0-255		Auto program
19	0-255	Section 4	Master dimmer
20	0-255		Strobe
21	0-255		Red 0-100%
22	0-255		Green 0-100%
23	0-255		Blue 0-100%
24	0-255		Auto program
25	0-255	See Colour Chase Table	
26	0-255	Chase speed slow to fast	

DMX 50 channel mode

Channel	Value	Function	
1	0-255	Section 1	Master dimmer
2	0-255		Strobe
3	0-255		Red 0-100%
4	0-255		Green 0-100%
5	0-255		Blue 0-100%
6	0-255		Auto program
7	0-255	Section 2	Master dimmer
8	0-255		Strobe
9	0-255		Red 0-100%
10	0-255		Green 0-100%
11	0-255		Blue 0-100%
12	0-255		Auto program
13	0-255	Section 3	Master dimmer
14	0-255		Strobe
15	0-255		Red 0-100%
16	0-255		Green 0-100%
17	0-255		Blue 0-100%
18	0-255		Auto program
19	0-255	Section 4	Master dimmer
20	0-255		Strobe
21	0-255		Red 0-100%
22	0-255		Green 0-100%
23	0-255		Blue 0-100%
24	0-255		Auto program
25	0-255	Section 5	Master dimmer
26	0-255		Strobe
27	0-255		Red 0-100%
28	0-255		Green 0-100%
29	0-255		Blue 0-100%
30	0-255		Auto program
31	0-255	Section 6	Master dimmer
32	0-255		Strobe
33	0-255		Red 0-100%
34	0-255		Green 0-100%
35	0-255		Blue 0-100%
36	0-255		Auto program
37	0-255	Section 7	Master dimmer
38	0-255		Strobe
39	0-255		Red 0-100%
40	0-255		Green 0-100%
41	0-255		Blue 0-100%
42	0-255		Auto program
43	0-255	Section 8	Master dimmer
44	0-255		Strobe
45	0-255		Red 0-100%
46	0-255		Green 0-100%
47	0-255		Blue 0-100%
48	0-255		Auto program
49	0-255	See Colour Chase Table	
50	0-255	Chase speed slow to fast	

Specifications

Power supply	110-240Vac, 50/60Hz (IEC)
Power consumption	80W
Fuse	F3AL
LED : type	3W RGB 3-in-1 COB
LED : quantity	24
Modes	DMX, auto, sound-activated, master/slave
Sections	8 (3 LEDs per section)
DMX channels	3, 6, 24 or 28
Effects	Strobe, pulse, gradual fade, cycle, sequence, sound activated, static colour
Dimensions	1020 x 65 x 65mm
Weight	1.8kg



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© 2021 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.