

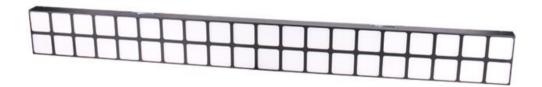
Matrix Bar Pro

2 x 20 LED Block Light with Stand

Item ref: 154.052UK

User Manual

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



Powered by 200pcs of high output SMDs, the Citronic Matrix Bar Pro can produce a vast array of colorful moving effects and washes. Internal auto, sound activated, and static programs can easily be controlled by the digital control panel on the back of the unit, alternatively the bar can be operated remotely by Art-Net or DMX in either 3, 5, 17, 80 or 120 channel modes if required. Intelligent fan control and temperature protection keep the unit cool during longer operations and twist and lock power connections complete the professional outlook. The Matrix Bar Pro can be vertically mounted on the included tripod stand or on trussing in any direction using the provided quick release fixing clamps. Integrated connections on both the top and bottom surfaces also allow the bar to be easily connected to multiple units to create a much larger effect.

In the box:

Your Matrix Bar Pro should arrive with you in a single carton in good condition. The carton should contain 1×1 x tripod stand, 1×1 x twist and lock UK mains lead, 1×1 x RJ45 Cable, 2×1 x quick-release mounting brackets, 1×1 vertical mounting Bracket, 2×1 x Keys and 1×1 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.





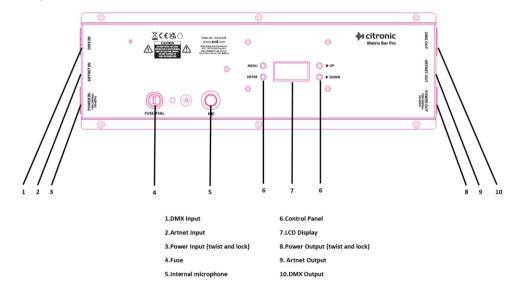
Placement:

- Mount the unit to the included tripod stand or alternatively use the wall/truss mount brackets for fixing to a lighting truss or stud wall.
- Always use secondary safety fixings if mounting overhead.
- Keep away from damp or dusty environments.
- Ensure adequate airflow around the fixture housing.
- Ensure adequate access to controls and connections.
- Do not aim LED output directly into line of sight, as this can result in an 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:



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.



Menu	Opt	ions and Settings	Description
DMX Address	001-512		DMX Address Code
Channel Mode	3ch/5ch/17ch/80ch/120ch		DMX Channel Selection
Art-Net Mode	Network Switch (On/Off)		Network Switch (On/Off)
		Universe (1-255)	Universe Selection
	IP ac	ddress (192.168.1.2)	IP address setting
	Subnet mask (255.255.255.0)		Subnet Setting
		Auto Programs (1-20)	Program Selection
		Dimming (0-100)	Brightness Selection
	Auto Mode	Speed (1-100)	Program Speed
		Sound (On/Off)	Sound Control On/Off
		Sensitivity (0-100)	Sound Sensitivity
		Dimming (0-100)	Brightness Selection
Stand Alone		Strobe (0-255)	Strobe speed Selection
Mode	Static Mode	Red (0-255)	Red Brightness Selection
		Green (0-255)	Green Brightness Selection
		Blue (0-255)	Blue Brightness Selection
		Dimmer (0-255)	Brightness Selection
		Color Macro	Color Macro Selection
	Color Macro	Color Fade	Fade Speed Selection
		Color Jump	Jump Speed Selection
Master/Slave Mode	Master Set	Yes/No	Master Selection
	Slave Set	Yes/No	Slave Selection
	Language	English	Language Selection
	Language	Chinese	Language Selection
	Display	No	Display Normal
	Inversion	Yes	Display Inverted
Advanced	Display Sot	Off	Display Turn Off 30 Sec
Settings	Display Set	On	Display Constant
		Blackout	Loss of DMX Signal Blackout
	No Dmx State	Auto-Run	Loss of DMX Signal Auto-Prog
		Hold	Loss of DMX Signal Hold DMX Value
	Service	Password (055)	Background Regulation
Information	Firmware	V1.0	Current Software Version
Information	Time. Info	Total Hours	Total Running Time

DMX mode:

The **Matrix Pro** can be controlled via a standard **DMX512** signal. To connect, simply link your DMX controller to the **DMX IN** socket on the unit using a balanced XLR cable. Additional fixtures can be daisy-chained by connecting from the **DMX OUT** socket of the first fixture to the **DMX IN** of the next.

To activate **DMX mode**:

- 1. Enter the **menu** and select **A001** (DMX address mode).
- Use the UP and DOWN buttons to set the desired DMX start address, then press ENTER to confirm.
- 3. Choose the desired **channel mode** (3, 5, 20, or 300 channels) according to your application see the channel assignment tables below for details.

Art-Net mode:

The **Matrix Pro** can also be controlled via **Art-Net**, a DMX-over-Ethernet protocol. Connect the Art-Net source (such as a lighting console or node) to the fixture's **Art-Net IN** (RJ45) port using a **Cat5e or Cat6** network cable. Multiple fixtures can be linked by connecting from the **Art-Net OUT** port to the next fixture's **Art-Net IN**.

To activate Art-Net mode:

- 1. Enter the **System Menu** and select **Art-Net** as the control mode.
- 2. Ensure the **Network Switch** is set to **ON** using the **UP**. **DOWN**, and **ENTER** buttons.
- 3. Once enabled, configure the following network parameters:
 - Universe
 - IP Address
 - Subnet Mask

▲ **Note:** You must also select the desired **Channel Mode** (3, 5, 20, or 300 channels) in the same way as when using DMX mode.

3 Channel mode:

Channel	Value	Channel Function	
CH 1	000-255	Red	
CH 2	000-255	Green	LED
CH 3	000-255	Blue	



5 Channel mode:

Channel	Value	Cha	nnel Function
CH 1	000-255	Dimmer	LED Dimmer
	000-005	Full ON	
	006-010	Close	
	011-033	Slow On and Off	
	034-056	Fast Close Slow Open	
CH 2	057-079	Fast Open Slow Close	Strobe
	080-102	Random Strobe	
	103-127	Lightning Strobe	
	128-250	Fixed Strobe	
	251-255	Full On	
CH 3	000-255	Red	
CH 4	000-255	Green	LED
CH 5	000-255	Blue	

17 Channel mode:

Channel	Value	Cha	nnel Function
CH 1	000-255	Dimmer	LED Dimmer
	000-009	No Function	
CH 2	010-229	Effect 1-20	Show Effects
	230-255	Random Effect	
CH 3	000-249	Effect Speed Slow to Fast	Chau Spand Cound Control
CH 3	250-255	Activate Sound Control	Show Speed/ Sound Control
	000-005	Off	
CH 4	006-127	Fade In	Fade Settings
	128-255	Fade Out	
GU 5	000-127	Forward Show	Missay Cottings
CH 5	128-255	Reverse Show	Mirror Settings
CH 6	000-255	Show Color Dimmer	Show Effects Color Dimmer
CH 7	000-005	Full ON	
	006-010	Off	Chrobo
	011-033	Slow On and Off	Strobe
	034-056	Fast Close Slow Open	



Channel	Value	Cha	annel Function
	057-079	Fast Open Slow Close	
	080-102	Random Strobe	
CH 7	103-127	Lightning Strobe	Strobe
	128-250	Fixed Strobe	
	251-255	Full On	
CH 8	000-255	Red	
CH 9	000-255	Green	Show Effects Color
CH 10	000-255	Blue	
	000-005	No Function	
CUAA	006-127	Fixed Colors	SI FW L S L M
CH 11	128-191	Color Jump S-F	Show Effects Color Macro
	192-255	Color Fade S-F	
CH 12	000-255	Color Dimmer	
	000-005	Full On	
	006-010	Off	
	011-033	Slow On and Off	
	034-056	Fast Close Slow Open	De diament d'Airenne
CH 13	057-079	Fast Open Slow Close	– Background Dimmer
	080-102	Random Strobe	
	103-127	Lightning Strobe	
	128-250	Fixed Strobe	
	251-255	Full On	
CH 14	000-255	Red	
CH 15	000-255	Green	Background Color
CH 16	000-255	Blue	
	000-005	No Function	Background Color Wheel
CU 47	006-127	Fixed Colors	
CH 17	128-191	Color Jump S-F	
	192-255	Color Fade S-F	7



80 Channel mode:

Channel	Value	Cha	nnel Function
CH 1	000-255	Dimmer	
	000-005	No Function	
CH 2	006-127	Fixed Colors	LED 1
CH Z	128-191	Color Jump S-F	
	192-255	Color Fade S-F	
CH 3	000-255	Dimmer	
	000-005	No Function	1
CUA	006-127	Fixed Colors	LED 2
CH4	128-191	Color Jump S-F	
	192-255	Color Fade S-F	
\\ //	w//	\\//	\\//
CH 77	000-255	Dimmer	
	000-005	No Function	
CI 1 70	006-127	Fixed Colors	LED 39
CH 78	128-191	Color Jump S-F	
	192-255	Color Fade S-F	1
CH 79	000-255	Dimmer	
	000-005	No Function	1
CILOO	006-127	Fixed Colors	LED 40
CH 80	128-191	Color Jump S-F	1
	192-255	Color Fade S-F	

120 Channel mode:

Channel	Value	Chan	nel Function
CH 1	000-255	Red	
CH 2	000-255	Green	LED 1
CH 3	000-255	Blue	
CH 4	000-255	Red	
CH 5	000-255	Green	LED 2
CH 6	000-255	Blue	
\\ //	\\ //	W//	W//



Channel	Value	Channel Function	
CH 118	000-255	Red	
CH 119	000-255	Green	LED 20
CH 120	000-255	Blue	

Specifications:

	-
LED type	200Pcs SMD 5050 3-in-1 RGB LEDs 0.2w each
Effects	RGB colour mixing, Linear dimming 0-100%, Strobe 0-25 times per second
Beam angle	90°
Modes	Auto, Show, Sound, DMX, Art-Net, Master/Slave
DMX channels	3, 5, 17, 80 or 120CH
Connections	Power in/out (twist and lock), DMX in/out (3pin XLR) Art-Net in/out (RJ45)
Power supply	110-240Vac, 50/60Hz
Power consumption	52W
Fuse Rating	F3AL250V
Stand collapsed dimensions	120 x 120 x 800mm
Dimensions	75 x 110 x 1100mm
Weight	3.9kg

Troubleshooting:

	Check mains voltage is correct and outlet is switched on
No power (mains)	Check twist and lock power lead is connected properly
No power (mains)	Check External Fuse of fixture
No light output	Check control panel mode settings
<u> </u>	Check DMX settings from controller (dimmer levels, blackout etc.)
	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
Unresponsive to DMX	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	



This product is classed as Electrical or Electronic equipment and should not be disposed of 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.