

# Matrix Bar Pro

Item ref: 154.052UK

2 x 20 LED Block Light with Stand

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 x main unit, 1x tripod stand, 1 x twist and lock UK mains lead, 1 x 1m RJ45 Cable, 2 x quick-release mounting brackets, 1 x Vertical mounting Bracket, 2 x Hex Keys 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.**



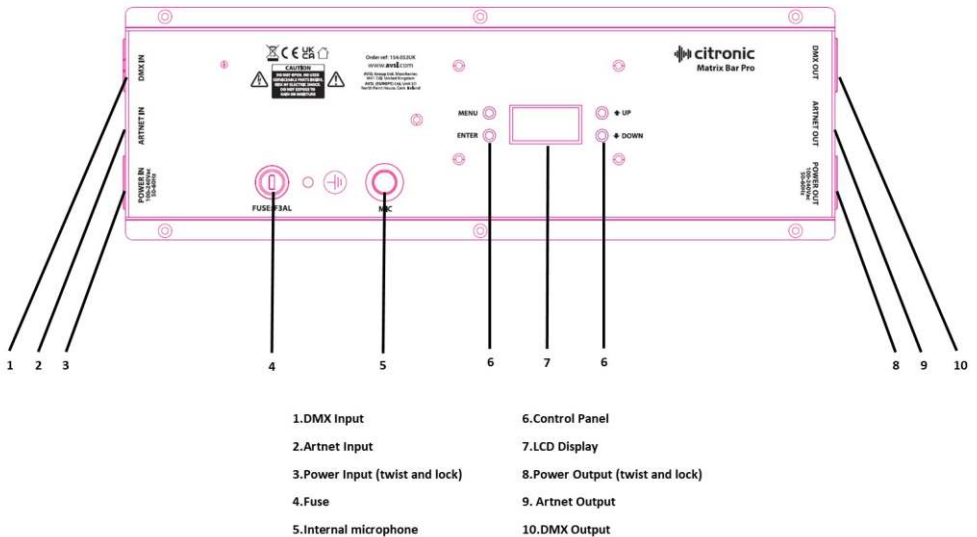
## Placement:

- 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	Options 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 address (192.168.1.2 )		IP address setting	
	Subnet mask (255.255.255.0)		Subnet Setting	
Stand Alone Mode	Auto Mode	Auto Programs (1-20)	Program Selection	
		Dimming (0-100)	Brightness Selection	
		Speed (1-100)	Program Speed	
		Sound (On/Off)	Sound Control On/Off	
		Sensitivity (0-100)	Sound Sensitivity	
	Static Mode	Dimming (0-100)	Brightness Selection	
		Strobe (0-255)	Strobe speed Selection	
		Red (0-255)	Red Brightness Selection	
		Green (0-255)	Green Brightness Selection	
	Color Macro	Blue (0-255)	Blue Brightness Selection	
		Dimmer (0-255)	Brightness Selection	
		Color Macro	Color Macro Selection	
		Color Fade	Fade Speed Selection	
Master/Slave Mode	Color Jump	Jump Speed Selection		
	Master Set	Yes/No	Master Selection	
Advanced Settings	Language	Slave Set	Yes/No	Slave Selection
		English	Language Selection	
	Display Inversion	Chinese	Language Selection	
		No	Display Normal	
	Display Set	Yes	Display Inverted	
		Off	Display Turn Off 30 Sec	
	No Dmx State	On	Display Constant	
		Blackout	Loss of DMX Signal Blackout	
		Auto-Run	Loss of DMX Signal Auto-Prog	
	Service	Hold	Loss of DMX Signal Hold DMX Value	
Password (055)		Background Regulation		
Information	Firmware	V1.0	Current Software Version	
	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).
2. 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	LED
CH 2	000-255	Green	
CH 3	000-255	Blue	

### 5 Channel mode:

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

### 17 Channel mode:

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

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

**80 Channel mode:**

Channel	Value	Channel Function	
CH 1	000-255	Dimmer	LED 1
CH 2	000-005	No Function	
	006-127	Fixed Colors	
	128-191	Color Jump S-F	
	192-255	Color Fade S-F	
CH 3	000-255	Dimmer	LED 2
CH 4	000-005	No Function	
	006-127	Fixed Colors	
	128-191	Color Jump S-F	
	192-255	Color Fade S-F	
""	""	""	""
CH 77	000-255	Dimmer	LED 39
CH 78	000-005	No Function	
	006-127	Fixed Colors	
	128-191	Color Jump S-F	
	192-255	Color Fade S-F	
CH 79	000-255	Dimmer	LED 40
CH 80	000-005	No Function	
	006-127	Fixed Colors	
	128-191	Color Jump S-F	
	192-255	Color Fade S-F	

**120 Channel mode:**

Channel	Value	Channel Function	
CH 1	000-255	Red	LED 1
CH 2	000-255	Green	
CH 3	000-255	Blue	
CH 4	000-255	Red	LED 2
CH 5	000-255	Green	
CH 6	000-255	Blue	
""	""	""	""

Channel	Value	Channel Function	
CH 118	000-255	Red	LED 40
CH 119	000-255	Green	
CH 120	000-255	Blue	

### Specifications:

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

### Troubleshooting:

No power (mains)	Check mains voltage is correct and outlet is switched on
	Check twist and lock power lead is connected properly
	Check External Fuse of fixture
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 blackout
	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 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.

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