

ULS Manufacturing
'ULSHIM'
18 x 15 watt RGBWA+UV
Pixel Map



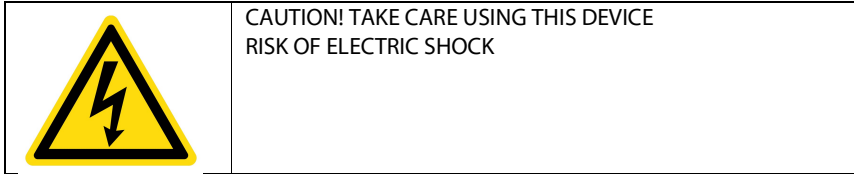
IP65 RATED

WWW.ULTRALIGHTSOUND.CO.UK

- 18PCS RGBWAUV 6 IN 1 LEDS
- Colour range :16.7 million colours

- Beam Angle: 25 degree
- Life 50,000 hours
- Dimmer : 0 -100% with regulated constant colour control
- Strobe: 10 flashes per second
- Control panel: 4 digit led segment display
- Supply volts 90-240v AC 50/60hz
- Waterproof IP65
- Aluminium housing
- Packing box 110x15x18cm
- 8kg

Safety instructions - Please read this manual carefully before your initial startup



Each person involved with the fitting, maintenance and operation of this device should be competent and follow these instructions.

Before Initial start-up check the mains cable and device for any damage.

Should the fuse in the plug need replacing ensure a 3amp fuse with a British kite mark is used.

UJS manufacturing will not accept liability for any damages caused by the non-observance of this manual, or any modification to this device.

Never remove warning or information labels.

Do not open this device or modify the equipment

Do not connect this device to a dimmer pack.

Do not switch this device on and off at short intervals.

Make sure the voltage is between 90 and 240v ac

Make sure the power cable is never crushed or forced, check the cable periodically.

If the equipment has been exposed to drastic temperature change (normally after transportation), allow device to reach room temperature before powering on.

Do not touch this device during a thunderstorm.

If any of the following conditions occur, remove the ac plug:

Smoke or unusual smell.

Water or foreign objects inside the unit.

Damage to the housing caused by physical damage.

Never pull the power cord, always grasp the main body of the plug top.

Thank you for purchasing our premium Led Batten.

Rugged Design and build for out on the road use with a feature set to rival existing products on the market.

Key features

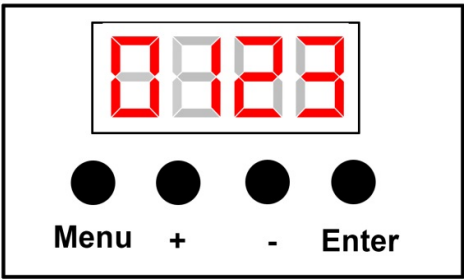
Dmx control modes 11, 29, 119, 108 and Dmx channel modes

Pixel mapping ability with individual Dmx control of 6 colours per led.

On board standalone control of patterns, chases and fixed colours. With advance control of speed and fade times.

Units can be linked together with the integral power and data cables.

Menu Keys



NOTE: Press enter after each change to save settings into the internal memory.

Main Menu		
	Value	Function
A001	001 - 512	Dmx Address, display flashes when dmx data is not present
ID01	11/29/119/108ch	Dmx channel model setting
CC00	01-99	Colour snap standalone mode
Ed00	01-99	Colour crossfade standalone mode
Er00	01-99	Colour running 1
Po00	01-99	Colour running 2
Tr00	0-8	Chase effect
TU00	00-99	Chase Speed
BE50	0-50	Sound sensitivity
R200	001-255	Red Brightness
G200	001-255	Green Brightness
B200	001-255	Blue Brightness
W200	001-255	White Brightness
Y200	001-255	Amber Brightness
P200	001-255	UV Brightness
ID00	00-14	Id for chase effect

11 Channel Dmx Mode						control of each colour available from channel 6 - 11
			Strobe		channel 5 speed	
dmx 1	Master dimmer					
dmx 2	Strobe	open - fast				
		Chases from channel 3 generally are more complex with longer sequence times to complete each loop				
dmx 3	0-035	no function				
	036-045	Waterfall effect sharp – set your own colour	✓		✓	✓
	046-055	Waterfall effect fade – set your own colour	✓		✓	✓
	056-065	Colour macros – set colour using channel 5/speed channel	✓		✓	
	066-076	Colour chase/snap loop	✓		✓	✗
	076-085	Colour chase/fade loop	✓		✓	✗
	086-095	chase effect 1	✓		✓	✗
	096-105	chase effect 2	✓		✓	✗
	106-115	chase effect 3	✓		✓	✗
	116-125	chase effect 4	✓		✓	✗
	126-135	chase effect 5	✓		✓	✗
	136-145	chase effect 6	✓		✓	✗
	146-155	chase effect 7	✓		✓	✗
	156-165	chase effect 8	✓		✓	✗
	166-175	chase effect 9	✓		✓	✗
		Chases 10 to 15 layers the colours you chose from channel 6 to 11. The more colours you add to your chase the more complex the chase loop becomes				
	176-185	chase effect 10	✓		✓	✓
	186-195	chase effect 11	✓		✓	✓
	196-205	chase effect 12	✓		✓	✓
	206-215	chase effect 13	✓		✓	✓
	216-225	chase effect 14	✓		✓	✓
	226-235	chase effect 15	✓		✓	✓
	246-255	Sound control - internal microphone				
		Chases from channel 4 are more basic and traditional styles. However all allow you to set your own background colour which the chase is implement ontop				
			Strobe		channel 5	control

					speed	of each colour available from channel 6 - 11
dmx 4	0-035	no function				
	036-045	chase effect 1	✓		✓	✓
	046-060	chase effect 2	✓		✓	✓
	061-075	chase effect 3	✓		✓	✓
	076-090	chase effect 4	✓		✓	✓
	091-105	chase effect 5	✓		✓	✓
	106-120	chase effect 6	✓		✓	✓
	121-135	chase effect 7	✓		✓	✓
	136-150	chase effect 8	✓		✓	✓
	151-165	chase effect 9	✓		✓	✓
	166-180	chase effect 10	✓		✓	✓
	181-195	chase effect 11	✓		✓	✓
	196-215	chase effect 12	✓		✓	✓
	216-230	chase effect 13	✓		✓	✓
	231-245	chase effect 14	✓		✓	✓
	246-255	chase effect 15	✓		✓	✓
dmx 5	0 -255	Speed slow to fast				
dmx 6	0 -255	Red				
dmx 7	0 -255	Green				
dmx 8	0 -255	Blue				
dmx 9	0 -255	White				
dmx 10	0 -255	Amber				
dmx 11	0 -255	UV				

29 Channel Dmx Mode					channel 5 speed	control of each colour available from channel 6 - 11
			Strobe			

dmx 1	Master dimmer					
dmx 2	Strobe	open - fast				
		Chases from channel 3 generally are more complex with longer sequence times to complete each loop				
dmx 3	0-035	no function				
	036-045	Waterfall effect sharp – set your own colour	✓		✓	✓
	046-055	Waterfall effect fade – set your own colour	✓		✓	✓
	056-065	Colour macros – set colour using channel 5/speed channel	✓		✓	
	065-076	Colour chase/snap loop	✓		✓	✗
	076-085	Colour chase/fade loop	✓		✓	✗
	056-095	chase effect 1	✓		✓	✗
	096-105	chase effect 2	✓		✓	✗
	106-115	chase effect 3	✓		✓	✗
	116-125	chase effect 4	✓		✓	✗
	126-135	chase effect 5	✓		✓	✗
	136--145	chase effect 6	✓		✓	✗
	146-155	chase effect 7	✓		✓	✗
	156-165	chase effect 8	✓		✓	✗
	166-175	chase effect 9	✓		✓	✗
		Chases 10 to 15 layers the colours you chose from channel 6 to 11. The more colours you add to your chase the more complex the chase loop becomes				
	176-185	chase effect 10	✓		✓	✓
	186-195	chase effect 11	✓		✓	✓
	196-205	chase effect 12	✓		✓	✓
	206-215	chase effect 13	✓		✓	✓
	216-225	chase effect 14	✓		✓	✓
	226-235	chase effect 15	✓		✓	✓
	246-255	Sound control - internal microphone				
Chases from channel 4 are more basic and traditional styles. However all allow you to set your own background colour which the chase is implement ontop						
			Strobe		channel 5 speed	control of each colour available from

						channel 6 - 11
dmx 4	0-035	no function				
	036-045	chase effect 1	✓		✓	✓
	046-060	chase effect 2	✓		✓	✓
	061-075	chase effect 3	✓		✓	✓
	076-090	chase effect 4	✓		✓	✓
	091-105	chase effect 5	✓		✓	✓
	106-120	chase effect 6	✓		✓	✓
	121-135	chase effect 7	✓		✓	✓
	136-150	chase effect 8	✓		✓	✓
	151-165	chase effect 9	✓		✓	✓
	166-180	chase effect 10	✓		✓	✓
	181-195	chase effect 11	✓		✓	✓
	196-215	chase effect 12	✓		✓	✓
	216-230	chase effect 13	✓		✓	✓
	231-245	chase effect 14	✓		✓	✓
	246-255	chase effect 15	✓		✓	✓
dmx 5	0 -255	Speed slow to fast				
dmx 6	0 -255	Red				
dmx 7	0 -255	Green				
dmx 8	0 -255	Blue				
dmx 9	0 -255	White				
dmx 10	0 -255	Amber				
dmx 11	0 -255	UV				
dmx 12	0 -255	WHITE LED 1 OF 18				
dmx 13	0 -255	WHITE LED 2 OF 18				
dmx 14	0 -255	WHITE LED 3 OF 18				
dmx 15	0 -255	WHITE LED 4 OF 18				
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dmx 29	0 -255	WHITE LED 18 OF 18				

119 Channel Dmx Mode						control of each colour available from channel 6 - 11
			Strobe		channel 5 speed	
dmx 1	Master dimmer					
dmx 2	Strobe	open - fast				

		Chases from channel 3 generally are more complex with longer sequence times to complete each loop				
dmx 3	0-035	no function				
	036-045	Waterfall effect sharp – set your own colour	✓		✓	✓
	046-055	Waterfall effect fade – set your own colour	✓		✓	✓
	056-065	Colour macros – set colour using channel 5/speed channel	✓		✓	
	066-076	Colour chase/snap loop	✓		✓	x
	076-085	Colour chase/fade loop	✓		✓	x
	086-095	chase effect 1	✓		✓	x
	096-105	chase effect 2	✓		✓	x
	106-115	chase effect 3	✓		✓	x
	116-125	chase effect 4	✓		✓	x
	126-135	chase effect 5	✓		✓	x
	136--145	chase effect 6	✓		✓	x
	146-155	chase effect 7	✓		✓	x
	156-165	chase effect 8	✓		✓	x
	166-175	chase effect 9	✓		✓	x
		Chases 10 to 15 layers the colours you chose from channel 6 to 11. The more colours you add to your chase the more complex the chase loop becomes				
	176-185	chase effect 10	✓		✓	✓
	186-195	chase effect 11	✓		✓	✓
	196-205	chase effect 12	✓		✓	✓
	206-215	chase effect 13	✓		✓	✓
	216-225	chase effect 14	✓		✓	✓
	226-235	chase effect 15	✓		✓	✓
	246-255	Sound control - internal microphone				
119 Channel Dmx Mode						
Chases from channel 4 are more basic and traditional styles. However all allow you to set your own background colour which the chase is implement onto						
			Strobe		channel 5 speed	control of each colour available from channel 6 - 11

dmx 4	0-035	no function				
	036-045	chase effect 1	✓		✓	✓
	046-060	chase effect 2	✓		✓	✓
	061-075	chase effect 3	✓		✓	✓
	076-090	chase effect 4	✓		✓	✓
	091-105	chase effect 5	✓		✓	✓
	106-120	chase effect 6	✓		✓	✓
	121-135	chase effect 7	✓		✓	✓
	136-150	chase effect 8	✓		✓	✓
	151-165	chase effect 9	✓		✓	✓
	166-180	chase effect 10	✓		✓	✓
	181-195	chase effect 11	✓		✓	✓
	196-215	chase effect 12	✓		✓	✓
	216-230	chase effect 13	✓		✓	✓
	231-245	chase effect 14	✓		✓	✓
	246-255	chase effect 15	✓		✓	✓
dmx 5	0 -255	Speed slow to fast				
dmx 6	0 -255	Red				
dmx 7	0 -255	Green				
dmx 8	0 -255	Blue				
dmx 9	0 -255	White				
dmx 10	0 -255	Amber				
dmx 11	0 -255	UV				
dmx 12	0 -255	RED LED 1 OF 18				
dmx 13	0 -255	GREEN LED 1 OF 18				
dmx 14	0 -255	BLUE LED 1 OF 18				
dmx 15	0 -255	WHITE LED 1 OF 18				
dmx 13	0 -255	AMBER LED 1 OF 18				
dmx 14	0 -255	UV LED 1 OF 18				
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dmx 119	0 -255	UV LED 18 OF 18				

108 channel dmx mode 108 CH

dmx 1	red led 1	0 - 100%
dmx 2	Green led 1	0 - 100%
dmx 3	Blue led 1	0 - 100%
dmx 4	White led 1	0 - 100%
dmx 5	Amber led 1	0 - 100%
dmx 6	UV led 1	0 - 100%

dmx 7	red led 2	0 - 100%
dmx 8	Green led 2	0 - 100%
dmx 9	Blue led 2	0 - 100%
dmx 10	White led 2	0 - 100%
dmx 11	Amber led 2	0 - 100%
dmx 12	UV led 2	0 - 100%
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dmx 108	Uv - 18	0 - 100%

ULS Manufacturing is a trading name of Ultra Light & Sound Limited.

UK based with readily available spares and new units in the UK.

This product was designed and manufactured in the UK by ULS Manufacturing.
Our engineers have a detailed knowledge and are able to provide technical support both over the telephone, email and at our UK Headquarters.

Our ethos is to be able to maintain service and extend product life and minimise the “beyond economic repair” approach, helping reduce waste and saving time, money and the environment.

Ultra Light& Sound limited
Tel 01173502064
www.UltraLightSound.co.uk
info@ultralightsound.co.uk

WEE Declaration

	This symbol indicates that this piece of electrical equipment must be disposed of separately from normal waste at the end of its operational life. Please dispose of this produced by contacting ULS manufacturing or taking it to your local recycling or collection centre.
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