

# 6-in-1 LumenWash Light Bar - RGBA+65K+UV - 1m Manual

Part number: 6in1-BTN-15-1m



## Installation

The 6-in-1 LumenWash Light Bar operates at 100-240VAC and should always be installed by a qualified person. Ensure that there is no damage to power cables or connectors and that all connections are secure before applying power. Contact Environmental Lights with any questions or concerns during installation.

### Important Notes:

- A maximum of 7 units can be powered from a single connection using the Power In / Power Out ports.
  - Gasketed Seetronic 5-pin XLR cables must be used in order to maintain the IP65 rating. They are available in the accessories section of the 6in1-BTN-15-1m web page.
  - Do not install the 6in1-BTN-15-1m upside down (with connector ports facing the sky) in unprotected outdoor environments. This can allow water to pool and damage the device.
1. Carefully open the product carton and remove the 6-in-1 LumenWash Light Bar from the box. Remove the packing material and the foam blocks next to each leg
  2. (Optional) Use the mounting holes in the mounting feet/legs to secure the 6-in-1 LumenWash Light Bar to the mounting surface or structure.
  3. (Optional – Recommended for Overhead Installations) Use the metal eyelet on the backside of the 6-in-1 LumenWash Light Bar to secure a safety cable between the light bar and the mounting structure. A standard-length safety cable is included with each light bar.

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4. Unseat the rubber cover for the 'Power In' connector and any other connections that will be used (Power Out, DMX In, DMX Out). Leave the cover(s) in place for any connections that will not be used.
5. Insert compatible power connectors and 5-Pin XLR connectors respectively into the power and DMX ports.
  - a. Use only compatible gasketed Seetronic XLR connectors for outdoor installations.
  - b. Any 5-pin XLR connectors can be used for indoor applications.
6. Connect AC power.



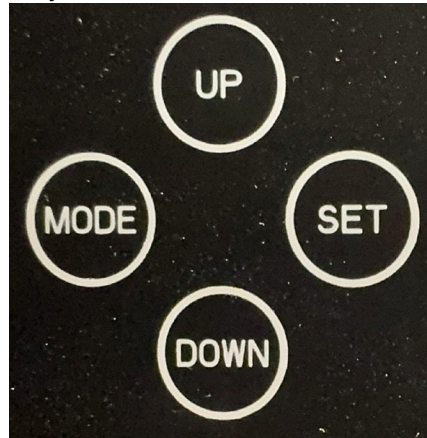
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## Operation

\*See 'Lock' function in the Configuration Options section if the controls appear to be unresponsive. If the 'Lock' setting has been activated, hold MODE and SET buttons simultaneously to unlock the device.

### Navigation:

Use the UP and DOWN keys to scroll through menu options or adjust the selected parameter. The SET key will select the highlighted submenu or parameter. The MODE key acts as a 'back' button to return to the previous menu.



### Information Pages:

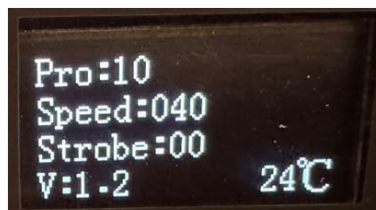
The display on the back of the device will go to sleep after a period of inactivity. Upon pressing a button, the display will wake up and show an information page that reflects the current mode of operation. Pressing another key will enter the top level menu for configuration – see Configuration Options for more details.

#### DMX



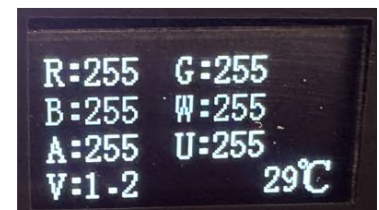
- DMX starting address
- Fixture personality
- Lock Icon (blank if unlocked)
- Firmware version
- Internal temperature

#### Program



- Program settings (Pro, Speed, Strobe)
- Lock Icon (blank if unlocked)
- Firmware version
- Internal temperature

#### Dimmer



- Individual channel brightness settings (0-255)
- Lock Icon (blank if unlocked)
- Firmware version
- Internal temperature

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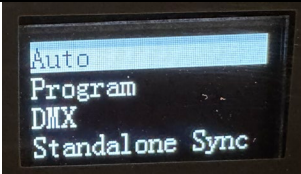
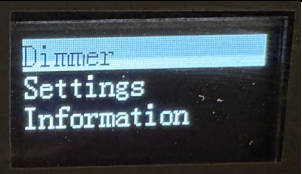
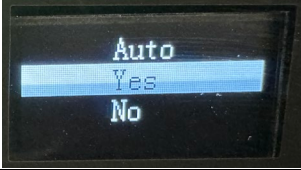
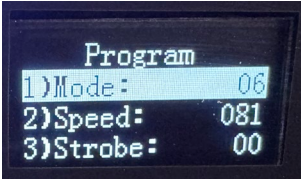

### RDM (Remote Device Management):

The 6in1-BTN-15-1m is RDM-enabled. The following commands are available using an RDM-enabled DMX controller.

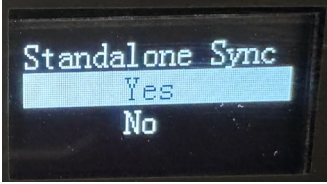

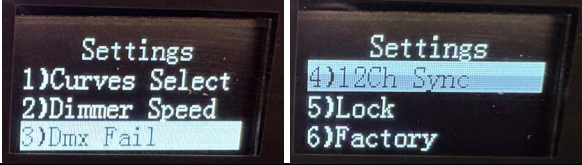
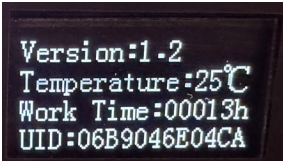
Parameter ID	Discovery command	SET command	Get command
DISC_UNIQUE_BRANCH	X		
DISC_MUTE	X		
DISC_UN_MUTE	X		
DEVICE_INFO			X
SOFTWARE_VERSION_LABEL			X
DMX_START_ADDRESS		X	X
IDENTIFY_DEVICE		X	X
SUPPORTED_PARAMETERS			X
SENSOR_DEFINITION			X
SENSOR_VALUE			X
DMX_PERSONALITY		X	X
DMX_PERSONALITY_DESCRIPTION			X
RESET_DEVICE		X	
FACTORY_DEFAULTS		X	

## Configuration Options

### Top Level Menu

		Top-level menu options
		<p>Auto:</p> <p>Select <b>Yes</b> to enable preset programs when DMX is not connected. Select <b>No</b> to disable preset programs</p>
		<p>Program:</p> <ol style="list-style-type: none"> <li>1) <b>Mode</b> selects from 16 available standalone static and color changing modes. See Appendix B for details</li> <li>2) <b>Color/Speed</b> mode 1 will enable static color selection 1-33. Other modes will enable speed selection 1-100 for color changing.</li> <li>3) <b>Strobe</b> values greater than 0 will enable a strobe effect with increasing strobe speed. Separate from color changing speed.</li> </ol>
		<p>DMX:</p> <ol style="list-style-type: none"> <li>1) <b>Address</b> sets the starting address for the fixture</li> <li>2) <b>Channels</b> sets the personality between 6, 8 or 12Ch. See Appendix B for details.</li> </ol>

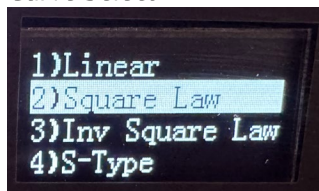
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	<p>Standalone Sync:</p> <p>Select <b>Yes</b> to enable synchronization between multiple fixtures when they are operating in Program mode. Select <b>No</b> for fixtures to operate independently in Program mode. This setting should be enabled on all 'following' fixtures after connecting all fixtures with DMX cables. The 'lead' fixture should be set to No.</p>
	<p>Dimmer:</p> <p>Allows standalone custom color programming by adjusting the brightness of each channel individually 0-255.</p>
	<p>Settings:</p> <p>See <b>Appendix A</b> below</p>
	<p>Information Displays:</p> <p>Firmware version Internal Temp Total Operating Hours Device ID</p>

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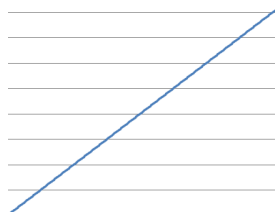
## Appendix A: Settings Submenu

### Curve Select

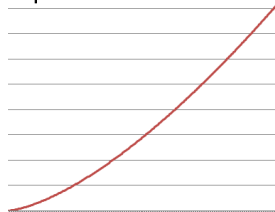


Selects the dimming curve applied to incoming DMX values. Representations of each curve are pictured below.

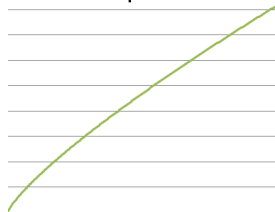
#### Linear



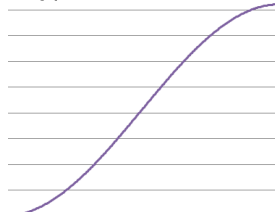
#### Square Law



#### Inverse Square Law



#### S-type

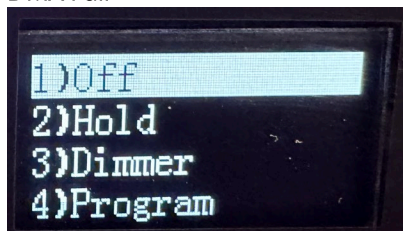


### Dimmer Speed



Select **Fast** for normal response or **Slow** to apply smoothing.

### DMX Fail


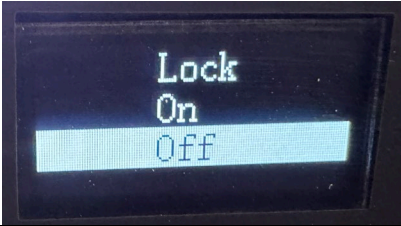
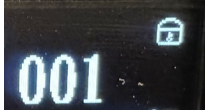
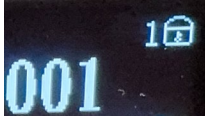
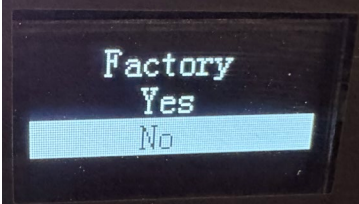


Select what happens upon loss of DMX signal

- 1) **Off** – The fixture will go dark
- 2) **Hold** – the fixture will maintain its most recent DMX setting.
- 3) **Dimmer** – The fixture switches to the settings configured in the Dimmer menu.

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	4) <b>Program</b> – The fixture switches to the settings configured in the Program menu.
12Ch Sync 	12Ch Sync only affects fixtures operating in 12Ch mode (refer to the DMX menu page and Appendix B). <b>On</b> will enable synchronization between connected fixtures operating on 12Ch color changing modes. <b>Off</b> prevents synchronization in 12Ch modes.
Lock   	<b>On</b> causes the fixture to lock the controls after 30 seconds of inactivity. A small lock icon will appear on the display when locked. Hold MODE and SETUP buttons simultaneously until the countdown completes to unlock the controls. <b>Off</b> prevents the fixture from locking. The display will still turn off, but will not require the unlock procedure to access the controls.
Factory 	<b>Yes</b> causes a factory reset. Factory reset can also be performed by holding both MODE and SET during power up or through RDM. <b>No</b> returns to the previous menu.

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## Appendix B: DMX Personality Details

### 6-Channel Mode

Channel	Value	Function
1	000-255	Red Brightness 0-100%
2	000-255	Green Brightness 0-100%
3	000-255	Blue Brightness 0-100%
4	000-255	White Brightness 0-100%
5	000-255	Amber Brightness 0-100%
6	000-255	UV Brightness 0-100%

### 8-Channel Mode

Channel	Value	Function
1	000-255	Master Dimmer 0-100%
2	000-10	Linear Strobe Off
	011-255	Linear Strobe Speed (255 = Max)
3	000-255	Red Brightness 0-100%
4	000-255	Green Brightness 0-100%
5	000-255	Blue Brightness 0-100%
6	000-255	White Brightness 0-100%
7	000-255	Amber Brightness 0-100%
8	000-255	UV Brightness 0-100%

### 12-Channel Mode

Channel	Value	Function
1	000-255	Master Dimmer 0-100%
2	000-10	Linear Strobe Off
	011-255	Linear Strobe Speed (255 = Max)
3	000-10	Random Strobe Off
	011-255	Random Strobe Speed (255 = Max)
4	000-007	Preset Color 1
	008-013	Preset Color 2
	014-020	Preset Color 3
	021-027	Preset Color 4
	028-034	Preset Color 5
	035-041	Preset Color 6
	042-048	Preset Color 7
	049-055	Preset Color 8
	056-062	Preset Color 9
	063-069	Preset Color 10
	070-076	Preset Color 11
	077-083	Preset Color 12
	084-090	Preset Color 13
	091-097	Preset Color 14

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	098-104	Preset Color 15
	105-111	Preset Color 16
	112-118	Preset Color 17
	119-125	Preset Color 18
	126-132	Preset Color 19
	133-139	Preset Color 20
	140-146	Preset Color 21
	147-153	Preset Color 22
	154-160	Preset Color 23
	161-167	Preset Color 24
	168-174	Preset Color 25
	175-181	Preset Color 26
	182-188	Preset Color 27
	189-195	Preset Color 28
	196-202	Preset Color 29
	203-209	Preset Color 30
	210-216	Preset Color 31
	217-223	Preset Color 32
	224-230	Preset Color 33
	231-255	Preset Color 34
5	000-015	Preset Function Off
	016-031	Preset Function: Jump 1
	032-047	Preset Function: Jump 2
	048-063	Preset Function: Jump 3
	064-079	Preset Function: Jump 4
	080-095	Preset Function: Jump 5
	096-111	Preset Function: Jump 6
	112-127	Preset Function: Jump 7
	128-143	Preset Function: Jump 8
	144-159	Preset Function: Fade 1
	160-175	Preset Function: Fade 2
	176-191	Preset Function: Fade 3
	192-207	Preset Function: Fade 4
	208-223	Preset Function: Fade 5
	224-239	Preset Function: Fade 6
	240-255	Preset Function: Fade 7
6	0-255	Preset Function Speed (255=Max)
7	0-255	Red Brightness 0-100%
8	0-255	Green Brightness 0-100%
9	0-255	Blue Brightness 0-100%
10	0-255	White Brightness 0-100%
11	0-255	Amber Brightness 0-100%
12	0-255	UV Brightness 0-100%

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