

6-in-1 Wall Wash Bar/PAR

Part number: 6in1-Bar-9LED, 6in1-Bar-18LED, 6in1-PAR-5LED, 6in1-PAR-9LED,



The 6-in-1 Wall Wash Bar and PAR fixtures are ideal for a variety of indoor and outdoor wall wash applications. This versatile line of LED products is great for lighting scenic or architectural features and can be run in stand-alone mode or controlled via DMX for fully programmed effects. The LEDs deliver bright light evenly across walls or other surfaces using integrated optical lenses. RGB can be mixed with 7000K, Amber, and UV to create a wide range of colors and bring features to life.

Features

- Digital menu with time out feature; lights up when you need it, turns off when you don't
- Easily change DMX address without DIP switch math.
- TX/RX modes: RX for standard DMX operation, TX to sync multiple fixtures in standalone mode.
- Multiple Stand-alone functions
 - Static Preset Colors
 - Color Jump
 - Color Fade
 - Manual Color Selection
- Adjustable number of input channels to provide greater control such as
 - Overall dimming
 - Preset effects
 - Dimming curve
- Mounting brackets with adjustable angle

Applications

- Interior and exterior wall wash

Wiring

1. Ensure that the wall voltage at the intended plug is appropriate for the DMX PAR or Bar before connecting to power.
2. Connect the power input cable to the PAR or Bar and daisy-chain to additional PARs or Bars as-desired up to the maximum link limit. Ensure that all unused power output cables have a cap installed. Caps are included with each product. Do not connect the first unit to AC power until you have finished connecting or capping all power cables.
 - a. Do not exceed the maximum link limit. Refer to the table below for link limits.

NOTE: Power and DMX cables/adapters look very similar. Ensure that power is connected to power, and DMX is connected to DMX. The connectors will only mate properly with the reciprocal connector, but caution is always advised. Connecting AC power to the DMX input will permanently damage the fixture.

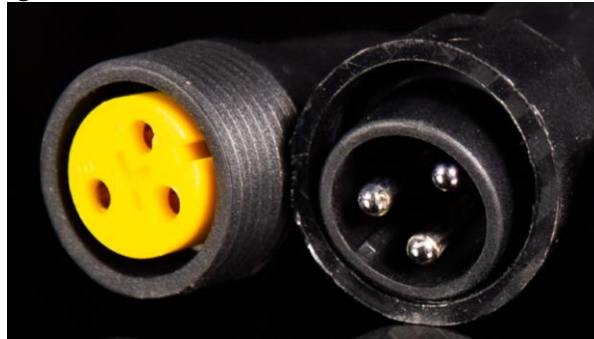


Figure 1 Power Connectors



Figure 2 DMX Connectors

3. Connect the DMX in and out cables between the DMX PARs and Bars. The products can be linked up to the maximum recommended 32 DMX devices per universe. DMX amplifiers or opto-splitters can be used if more than 32 devices need to be connected in a single DMX universe.
4. Connect the first unit to AC power and the DMX source (if not using standalone mode)

	110 VAC	220 VAC
6in1-Bar-9LED	9pcs	16pcs
6in1-Bar-18LED	5pcs	9pcs
6in1-PAR-5LED	13pcs	22pcs
6in1-PAR-9LED	9pcs	16pcs

Operation

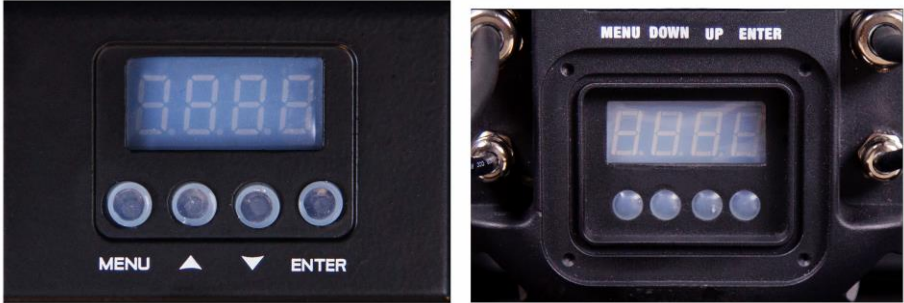


Figure 3 LED Menu Display for 6-in-1 Bar (left) and 9LED PAR (right)

Navigation Buttons:

- Up and Down are used to cycle through settings and adjust parameters.
- Enter is used to select a setting to adjust.
- Menu saves the current setting and stops adjustment of that parameter

Main Menu

Menu Level 1	Menu Level 2	Menu Level 3	Function
Addr (DMX Address)	001 – 512	/	Set DMX starting address.
PErS (Personality)	6CH 8CH 9CH 12CH	/	Change the amount of DMX channels used by/controllable parameters of the fixture in RX mode
trAn (Transmit/Receive)	trAn rEc	/	Change between transmit (trAn) and receive (rEc) mode. RX mode is for use with DMX controller; TX mode is for stand-alone.*
Stat (Stand Alone - Static)	St-	0-15	Select one of 16 preset colors to display.*
	Strb	0-99	Enables strobe effect and sets the speed. 0 disables strobe, 1-99 sets the strobe speed
ProG (Stand Alone - Program)	Pro-	PR1-PR24	Select from 24 dynamic modes.*
	SPEd	SP00-99	Adjusts the program speed.
CuSt (Stand Alone - Custom)	Strb	0-99	Enables strobe effect and sets the speed.
	dinn	0-255	Adjusts overall fixture brightness.
	rEd	0-255	Adjusts red channel brightness.
	Grn	0-255	Adjusts green channel brightness.
	bLu	0-255	Adjusts blue channel brightness.
	Abr	0-255	Adjusts amber channel brightness.
	dL	0-255	Adjusts white channel brightness.
dCur (Dimming Curve)	Lin EPn LoG SCur HALO	/	Sets dimming profile. Linear = Lin Exponential = EPn Logarithmic = LoG S-curve = SCur Halogen = HALO
	LAST OFF SA--	/	Set behavior of fixture at loss of DMX signal. LAST – freeze at last received DMX signal OFF – lights turn off SA-- – Enables stand-alone mode (TX)
LED (LED Display)	on OFF	/	ON – Display always on. OFF – Display goes to sleep after 30-seconds.
diSP	diSP	/	Rotate menu display text by 180 degrees.
tESt	tESt (Blink)	/	Enables test mode – the fixture illuminates each channel individually.
thEr	30	/	Display fixture internal temperature.
Cloc	8	/	Display total fixture operation time in hours.
Uer	V1.0	/	Display fixture firmware version.

Table 1 Fixture Menu

Additional Menu Details

PErS — Personality

The “Personality” parameter allows for additional live control options by changing the amount of DMX channels used. The additional channels beyond the first 6 add controls such as overall dimming, color changing effects, dimming curve, strobe and more. For a detailed breakdown of the different personalities and their available features, please refer Appendix A.

trAn — Transmitter/Receiver Mode:

This menu switches between DMX control with an external controller and Standalone mode. RX is the default setting and should be used for normal operation with a DMX controller or to follow another fixture that is transmitting in Standalone mode. TX or Transmit mode enables the Standalone functions outlined in the menu, including preset static colors, color changing programs and manual static color control. A device in TX mode will output its current state over DMX to any other fixtures that are connected. The other fixtures must be in RX mode to sync with the one fixture in TX mode.

Press Enter and then Up or Down to change between transmitter and receiver mode. Press Menu once the desired mode has been reached. A reboot is required to change between modes.

Stat — Static Color Mode:

Color 0: Red	Color 8: Lavender
Color 1: Amber	Color 9: Mauve
Color 2: Warm Yellow	Color 10: Magenta
Color 3: Yellow	Color 11: Pink
Color 4: Green	Color 12: Warm White
Color 5: Turquoise	Color 13: White
Color 6: Cyan	Color 14: Cold White
Color 7: Blue	Color 15: UV

Table 2 Preset Color Options

PRoG — Color Jump/Fade Mode:

Preset Scene 1 - Fade: Red – Green – Blue	Preset Scene 13 - Fade in/out: Red – Green – Blue
Preset Scene 2 - Fade: Red – Warm Yellow – Yellow – Green – Yellow – Warm Yellow	Preset Scene 14 - Fade in/out: Red – Warm Yellow – Yellow – Green – Yellow – Warm Yellow
Preset Scene 3 - Fade: Green – Turquoise – Cyan – Blue – Cyan – Turquoise	Preset Scene 15 - Fade in/out: Green – Turquoise – Cyan – Blue – Cyan – Turquoise
Preset Scene 4 - Fade: Blue – Mauve – Magenta – Red – Magenta – Mauve	Preset Scene 16 - Fade in/out: Blue – Mauve – Magenta – Red – Magenta – Mauve
Preset Scene 5 - Fade: Red – Amber – Warm Yellow – Yellow – Green – Turquoise – Cyan – Blue – Lavender – Mauve – Magenta – Pink	Preset Scene 17 - Fade in/out: Red – Amber – Warm Yellow – Yellow – Green – Turquoise – Cyan – Blue – Lavender – Mauve – Magenta – Pink
Preset Scene 6 - Fade: Amber – White	Preset Scene 18 - Fade in/out: Amber – White
Preset Scene 7 - Jump: Red – Green – Blue	Preset Scene 19 - Fade in/out: Red
Preset Scene 8 - Jump: Red – Warm Yellow – Yellow – Green – Yellow – Warm Yellow	Preset Scene 20 - Fade in/out: Green
Preset Scene 9 - Jump: Green – Turquoise – Cyan – Blue – Cyan – Turquoise	Preset Scene 21 - Fade in/out: Blue
Preset Scene 10 - Jump: Blue – Mauve – Magenta – Red – Magenta – Mauve	Preset Scene 22 - Fade in/out: Amber
Preset Scene 11 - Jump: Red – Amber – Warm Yellow – Yellow – Green – Turquoise – Cyan – Blue – Lavender – Mauve – Magenta – Pink	Preset Scene 23 - Fade in/out: White
Preset Scene 12 - Jump: Amber – White	Preset Scene 24 - Fade in/out: UV

Table 3 Dynamic Scene Options

LOSS — DMX Signal Lost Action:

The DMX Signal Lost Mode determines how the fixture reacts when the DMX input signal is lost. There are three (3) settings the fixture can be set to: LAST, OFF, or MAST. LAST freezes the fixture to display the last received DMX signal. This effectively ‘pauses’ the program that was running when DMX signal was lost. OFF turns the lights off when DMX input is lost. MAST causes the fixture to revert to the last TX mode setting. This means that the desired backup function should be set on the fixture before switching it back to RX mode for use with the DMX controller. Typically, only the first Bar or PAR needs to be configured this way. Once the first unit reverts to TX mode (after DMX is lost), it will supply DMX to the rest of the lights connected to the same DMX universe.

Appendix A: Personality Control Table

6 CHANNEL MODE		
1	RED DIMMER	
	0-255	Red Dimming 0-100%
2	GREEN DIMMER	
	0-255	Green Dimming 0-100%
3	BLUE DIMMER	
	0-255	Blue Dimming 0-100%
4	WHITE DIMMER	
	0-255	White Dimming 0-100%
5	AMBER DIMMER	
	0-255	Amber Dimming 0-100%
6	UV DIMMER	
	0-255	UV Dimming 0-100%
8 CHANNEL MODE		
1	Overall Dimmer	
	0-255	0 → 100%
2	Strobe	
	0 - 7	Open
	8-15	Off
	16-131	Strobe, Slow to fast
	132-139	Open
	140-181	Pulse, fast close & slow open
	182-189	Open
	190-231	Pulse, fast open & slow close
	232-239	Open
	240-247	Strobe thunder
248-255	Open	
3	RED DIMMER	
	0-255	Red Dimming 0-100%
4	GREEN DIMMER	
	0-255	Green Dimming 0-100%
5	BLUE DIMMER	
	0-255	Blue Dimming 0-100%
6	WHITE DIMMER	
	0-255	White Dimming 0-100%
7	AMBER DIMMER	
	0-255	Amber Dimming 0-100%
8	UV DIMMER	
	0-255	UV Dimming 0-100%

9 CHANNEL MODE		
1	Overall Dimmer	
	0--255	0 → 100%
2	Strobe	
	0 - 7	Open
	8-15	Off
	16-131	Strobe, Slow to fast
	132-139	Open
	140-181	Pulse, fast close & slow open
	182-189	Open
	190-231	Pulse, fast open & slow close
	232-239	Open
	240-247	Strobe thunder
	248-255	Open
RGB Dimmer		
3	RED DIMMER	
	0-255	Red Dimming 0-100%
4	GREEN DIMMER	
	0-255	Green Dimming 0-100%
5	BLUE DIMMER	
	0-255	Blue Dimming 0-100%
6	WHITE DIMMER	
	0-255	White Dimming 0-100%
7	AMBER DIMMER	
	0-255	Amber Dimming 0-100%
8	UV DIMMER	
	0-255	UV Dimming 0-100%
Dimming Profile		
9	0 -50	Linear
	51-101	Exponential
	102-152	Logarithmic
	153-203	S-Curve
	204-255	Halogen

12 CHANNEL MODE		
1	Overall Dimmer	
	0-255	0 → 100%
2	Strobe	
	0 - 7	Open
	8-15	Off
	16-131	Strobe, Slow to fast
	132-139	Open
	140-181	Pulse, fast close & slow open
	182-189	Open
	190-231	Pulse, fast open & slow close
	232-239	Open
	240-247	Strobe thunder
	248-255	Open
RGB Dimmer		
3	RED DIMMER	
	0-255	Red Dimming 0-100%
4	GREEN DIMMER	
	0-255	Green Dimming 0-100%
5	BLUE DIMMER	
	0-255	Blue Dimming 0-100%
6	WHITE DIMMER	
	0-255	White Dimming 0-100%
7	AMBER DIMMER	
	0-255	Amber Dimming 0-100%
8	UV DIMMER	
	0-255	UV Dimming 0-100%
Preset Static Color		
9	000-015	Off
	16-30	Color 0: Red
	31-45	Color 1: Amber
	46-60	Color 2: Warm Yellow
	61-75	Color 3: Yellow
	76-90	Color 4: Green
	91-105	Color 5: Turquoise
	106-120	Color 6: Cyan
	121-135	Color 7: Blue
	136-150	Color 8: Lavender
	151-165	Color 9: Mauve
	166-180	Color 10: Magenta
	181-195	Color 11: Pink
	196-210	Color 12: Warm White
	211-225	Color 13: White
226-230	Color 14: Daylight White	
231-255	Color 15: UV	

Preset Dynamic Scene		
10	000-015	Off
	16-25	Preset Scene 1
	26-35	Preset Scene 2
	36-45	Preset Scene 3
	46-55	Preset Scene 4
	56-65	Preset Scene 5
	66-75	Preset Scene 6
	76-85	Preset Scene 7
	86-95	Preset Scene 8
	96-105	Preset Scene 9
	106-115	Preset Scene 10
	116-125	Preset Scene 11
	126-135	Preset Scene 12
	136-145	Preset Scene 13
	146-155	Preset Scene 14
	156-165	Preset Scene 15
	166-175	Preset Scene 16
	176-185	Preset Scene 17
	186-195	Preset Scene 18
	196-205	Preset Scene 19
	206-215	Preset Scene 20
	216-225	Preset Scene 21
	226-235	Preset Scene 22
	236-245	Preset Scene 23
246-255	Preset Scene 24	
Sound sense/speed		
11	000-255	Scene speed
Dimming Profile		
12	0 -50	Linear
	51-101	Exponential
	102-152	Logarithmic
	153-203	S-Curve
	204-255	Halogen