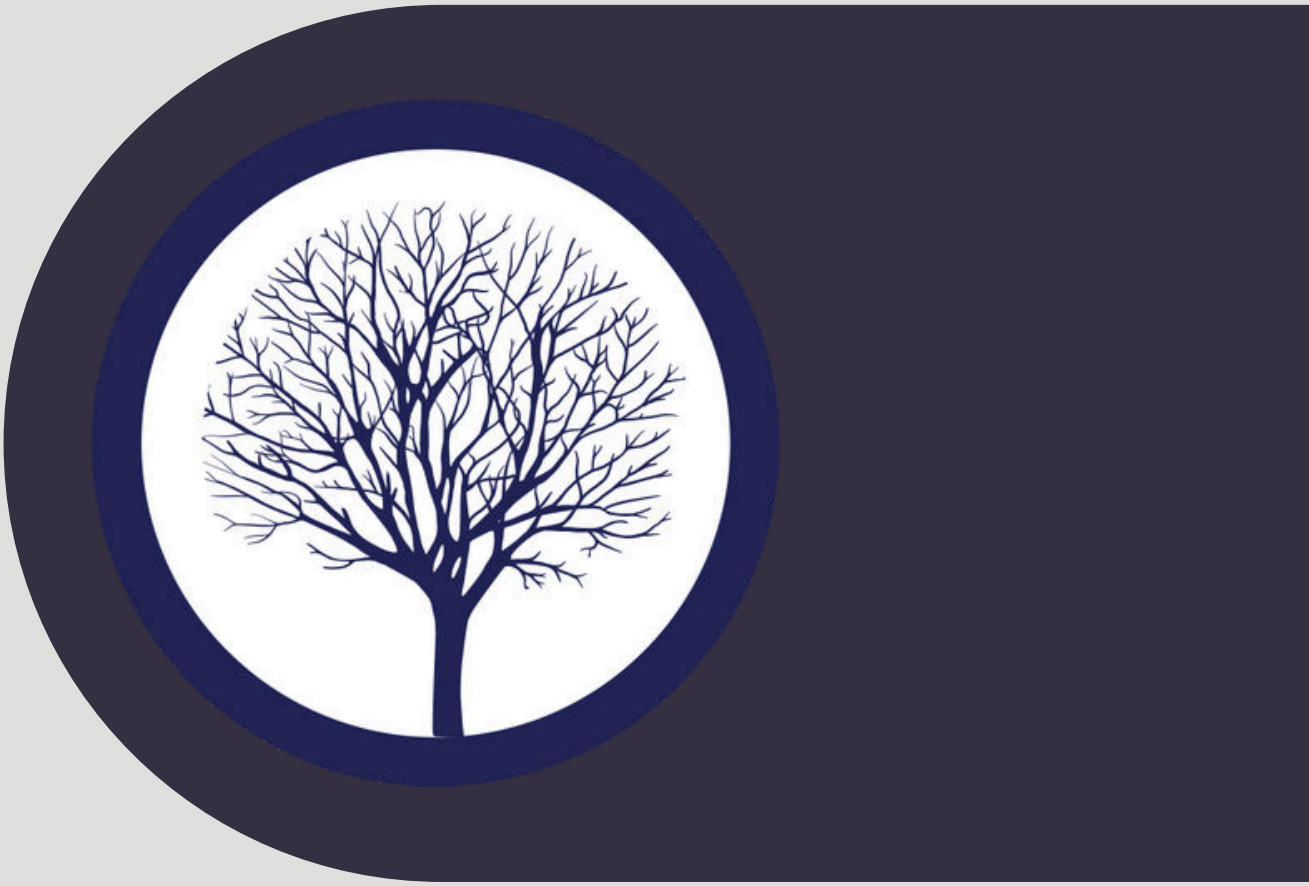
Springtree Media Group

User Manual

DMX1202X Power Driver



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Description

The DMX1202X is the midsized Lo-Vo power driver for powering and controlling Lo-Vo fixtures. The DMX1202X has the distinction of being the only rack-mountable Lo-Vo Power Driver.

SKU: DMX1202X

Features

- Low voltage (24V) LED module control
- 8 Zones, 150w each (120w recommended)
- White and RGBW modes
- DMX
- Local control
- Color macros

Specifications

- AC Input: 120V
- DC Output: 150W per connector, 1200W total
- Environmental Temperature Range: -4°F to 140°F
- Weight: 20 lbs
- Dimensions: 19” x 14.5” x 3.5”

Dimensions

Fixtures Powered

	DMX150	DMX602	DMX1202X	DMX1800
30Watt Spatial Flats	4	16	32	48
50Watt Spatial Flats	3	8	16	24
50Watt Spatial Flat Pendants	3	8	16	24
LED Spatial Tape	49 feet	171 feet	304 feet	512 feet
LED Spatial Bars	1	4	8	12
WW Spatial Minis	15	64	128	192
RGBWW Spatial Minis	12	48	96	144
30Watt Round LED Board	4	16	32	48
50Watt Round LED Board	3	8	16	24
12Watt LED Board	12	40	80	120

Installation

- **Do Not Wire While Hot!** The unit has to be powered off prior to connecting to fixtures.
- **Location:** To install the DMX1202X, you will need a dry, well-ventilated area, such as an electrical closet.
- **Noise:** Lo-Vo fixtures are silent, but Power Drivers aren't. The DMX1202X has an audible fan noise.
- **Space Requirement:** The DMX1202X requires 2 rack spaces in a standard 19” rack.
- **Mounting:** Utilize the 4 screw holes provided for secure mounting in the rack.
- **Space Allocation:** Ensure adequate space is left at the back for electrical and DMX wires and connectors.
- **Ventilation:** Do not obstruct any vent holes located on the top and sides of the unit. Please allow at least 1 rack space above and below the unit for adequate airflow.

Installation Continued

1. Electrical Connection:

- Use the linking power connector located on the rear of the DMX1202X for electrical connection.
- A linking power output is provided for daisy-chaining to other equipment.
- Note: Only one DMX1202X can be powered on a single 20amp circuit at maximum load. Two units could be used if neither operates at max load. The maximum recommended load per 20amp circuit is 1800 watts.

2. DMX Connection:

- Connect DMX via the 3-pin XLR connection located on the rear.
- DMX input originates from your lighting console and can be daisy-chained to additional DMX1202X units or lighting fixtures.

3. Connection to Lo-Vo Lights:

- Utilize the Phoenix connector for connecting to Lo-Vo lights.
- Refer to the next page for detailed instructions on wiring each type of fixture.

Installation Continued

How To Connect Wires To Phoenix Connectors

How To Wire RGBW & Large Warm White (50Watt & 120Watt) Fixtures
to the DMX1202X

Note: All five wires on the 50W & 120W WW fixtures need to be wired the same as those on an RGBW fixture (red to red, green to green, etc.)

Connector 1
+ = Black
R = Red
G = Green
B = Blue
W = White

Connector 2
+ = Black
R = Red
G = Green
B = Blue
W = White

Connector 3
+ = Black
R = Red
G = Green
B = Blue
W = White

Connector 4
+ = Black
R = Red
G = Green
B = Blue
W = White

Connector 5
+ = Black
R = Red
G = Green
B = Blue
W = White

Connector 6
+ = Black
R = Red
G = Green
B = Blue
W = White

Connector 7
+ = Black
R = Red
G = Green
B = Blue
W = White

Connector 8
+ = Black
R = Red
G = Green
B = Blue
W = White

Safety

1. Do not expose this unit to moisture to reduce the risk of electrical shock or fire
2. Be sure the local power outlet matches the required voltage for your unit.
3. Disconnect from the main power before making any connection.
4. Do not remove the cover under any conditions. There are no user-serviceable parts inside.
5. Never plug this unit into a dimmer pack.
6. This power supply is intended for indoor use ONLY.
7. Always mount this unit safely and stably.

Troubleshooting

1. Check that the DMX cables and Phoenix Connectors are connected properly and are wired correctly.
2. Check that all cables are connected to the correct connectors; it does matter which way the inputs and outputs are connected.

Menu

The DMX1202X features four buttons on the front of this unit: MENU, ENTER, UP, and DOWN.
Press MENU to choose your Output Mode, DMX Address, Color Macro, User Color, and PWM (pulse width modulation). There are 4 PWM modes to choose from.
PWM is the rate of current pulses to the LEDs, which affects how the lights appear to dim on video. When filming, if you notice pulses when dimming, choose the mode that appears to work best with your setup.

Output Mode: White

Color Macro N/A

User Color	White 1	000-255
	White 2	000-255
	White 3	000-255
	White 4	000-255
PWM	12288	
	8192	
	4096	
	2048	
DMX Address	001-512	
Channel	1	One Zone
	2	Two Zones
	4	Four Zones
	8	Eight Zones

Menu - Continued

Output Mode: RGBW

Color Macro	Red	000-255
	Amber	000-255
	Yellow/Warm	000-255
	Yellow	000-255
	Green	000-255
	Turquoise	000-255
	Cyan	000-255
	Blue	000-255
	Lavender	000-255
	Mauve	000-255
	Magenta	000-255
	Pink	000-255
	Warm White	000-255
	White	000-255
	Cold White	000-255
	Color Fade	000-255
	Color Jump	000-255
	Color Off	000-255
User Color	Red	000-255
	Green	000-255
	Blue	000-255
	White	000-255
PWM	12288	
	8192	
	4096	
	2048	

Menu - Continued

Output Mode: RGBW

DMX Address	001-512	
Channel	5	One Zone
	10	Two Zones
	20	Four Zones
	40	Eight Zones

DMX Zones

When controlling the DMX1202X via DMX, you have four options to split zones

1 Zone

2 Zones

4 Zones

8 Zones

DMX Mode

White Mode

Channel Mode				
1 Zone	2 Zones	4 Zones	8 Zones	DMX Value
CH1	CH1	CH1	CH1	Intensity (Zone 1)
	CH2	CH2	CH2	Intensity (Zone 2)
		CH3	CH3	Intensity (Zone 3)
		CH4	CH4	Intensity (Zone 4)
			CH5	Intensity (Zone 5)
			CH6	Intensity (Zone 6)
			CH7	Intensity (Zone 7)
			CH8	Intensity (Zone 8)

DMX Mode

RGBW Mode

Channel Mode				
1 Zone	2 Zones	4 Zones	8 Zones	DMX Value
CH1	CH1	CH1	CH1	Red (Zone 1)
CH2	CH2	CH2	CH2	Green (Zone 1)
CH3	CH3	CH3	CH3	Blue (Zone 1)
CH4	CH4	CH4	CH4	White (Zone 1)
CH5	CH5	CH5	CH5	Intensity (Zone 1)
	CH6	CH6	CH6	Red (Zone 2)
	CH7	CH7	CH7	Green (Zone 2)
	CH8	CH8	CH8	Blue (Zone 2)
	CH9	CH9	CH9	White (Zone 2)
	CH10	CH10	CH10	Intensity (Zone 2)
		CH11	CH11	Red (Zone 3)
		CH12	CH12	Green (Zone 3)
		CH13	CH13	Blue (Zone 3)

DMX Mode

RGBW Mode Continued

Channel Mode				
1 Zone	2 Zones	4 Zones	8 Zones	DMX Value
		CH14	CH14	White (Zone 3)
		CH15	CH15	Intensity (Zone 3)
		CH16	CH16	Red (Zone 4)
		CH17	CH17	Green (Zone 4)
		CH18	CH18	Blue (Zone 4)
		CH19	CH19	White (Zone 4)
		CH20	CH20	Intensity (Zone 4)
			CH21	Red (Zone 5)
			CH22	Green (Zone 5)
			CH23	Blue (Zone 5)
			CH24	White (Zone 5)
			CH25	Intensity (Zone 5)
			CH26	Red (Zone 6)

DMX Mode

RGBW Mode Continued

Channel Mode				
1 Zone	2 Zones	4 Zones	8 Zones	DMX Value
			CH27	Green (Zone 6)
			CH28	Blue (Zone 6)
			CH29	White (Zone 6)
			CH30	Intensity (Zone 6)
			CH31	Red (Zone 7)
			CH32	Green (Zone 7)
			CH33	Blue (Zone 7)
			CH34	White (Zone 7)
			CH35	Intensity (Zone 7)
			CH36	Red (Zone 8)
			CH37	Green (Zone 8)
			CH38	Blue (Zone 8)
			CH39	White (Zone 8)
			CH40	Intensity (Zone 8)

We Are Here For You!

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615-599-1505

[Contact Form]