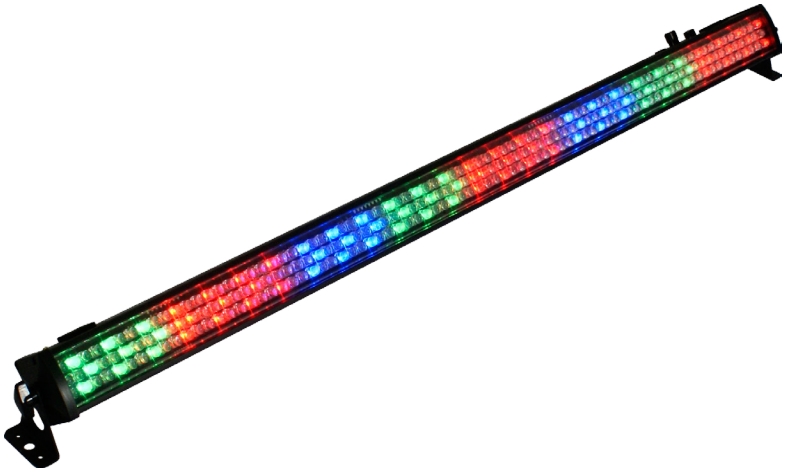


# PIXELSTORM™ 240



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Waukesha, WI USA  
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# 1. GETTING STARTED

## What's In The Box?

- 1 x PixelStorm™ 240
- 2 x Mounting brackets w/bolts & washers
- An Ever-So-Handy Power Cord
- This Lovely User Manual

## Getting It Out Of The Box

Congratulations on purchasing one trippy pixel strippy! Now that you've got your PixelStorm™ 240 (or hopefully, *PixelStorms 240's!*), you should carefully unpack the box and check the contents to ensure that all parts are present and in good condition. If anything looks as if it has been damaged in transit, notify the shipper immediately and keep the packing material for inspection. Again, please save the carton and all packing materials. If a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

## Powering Up!

All fixtures must be powered directly off a switched circuit and **cannot be run off a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used solely for a 0% to 100% switch.**

*AC Voltage Switch* - Not all fixtures have a voltage select switch, so please verify that the fixture you receive is suitable for your local power supply. See the label on the fixture or refer to the fixture's specifications chart for more information. A fixture's listed current rating is its average current draw under normal conditions. Check the fixture or device carefully to make sure that if a voltage selection switch exists that it is set to the correct line voltage you will use.

***Warning! Verify that the voltage select switch on your unit matches the line voltage applied. Damage to your fixture may result if the line voltage applied does not match the voltage indicated on the voltage selector switch. All fixtures must be connected to circuits with a suitable Ground (Earthing).***

## Getting A Hold Of Us

**If something is wrong, just give us a call or send an email. We'll be happy to help, honest.**

Blizzard Lighting  
W220 N1531 Jericho Ct. Suite E, Waukesha, WI 53186 USA  
support@blizzardlighting.com  
www.blizzardlighting.com  
866-493-6025

# SAFETY INSTRUCTIONS



Please read these instructions carefully. They include important information about the installation, usage and maintenance of this product.

- Please keep this User Guide for future use. If you sell the unit to someone else, be sure that they also receive this User Guide.
- ALWAYS make sure that you are connecting to the proper voltage, and that the line voltage you are connecting to is not higher than that stated on the decal or rear panel of the fixture.
- This product is intended for indoor use only.
- To prevent risk of fire or shock, do not expose fixture to rain or moisture.
- Make sure there are no flammable materials close to the unit while operating.
- The unit must be installed in a location with adequate ventilation, at least 20in (50cm) from adjacent surfaces. Be sure that no ventilation slots are blocked.
- ALWAYS disconnect from the power source before servicing or replacing fuse and be sure to replace with same fuse size and type.
- ALWAYS secure fixture using a safety chain. NEVER carry the fixture by its cord. Use its carrying handles.
- DO NOT operate at ambient temperatures higher than 104°F (40°C).
- In the event of a serious operating problem, stop using the unit immediately. NEVER try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- NEVER connect the device to a dimmer pack.
- Make sure the power cord is never crimped or damaged.
- Never disconnect the power cord by pulling or tugging on the cord.
- Avoid direct eye exposure to the light source while it is on.

**Caution!** There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact Blizzard Lighting at support@blizzardlighting.com.

# 2. MEET THE PIXELSTORM™ 240

## CONTROL FEATURES

- RGB color mixing via 240 high power 10mm Red/Green/Blue LEDs
- 8 pixels, each with 30 LEDs
- 7 DMX modes for ultimate control flexibility
- Each fixture can display 1, 2, or 3 different colors simultaneously
- Variable electronic strobe
- Built-in color & chase macros via DMX
- Built-in auto & sound activated programs via master/slave & DMX
- Easy to use LED control panel

## ADDITIONAL FEATURES

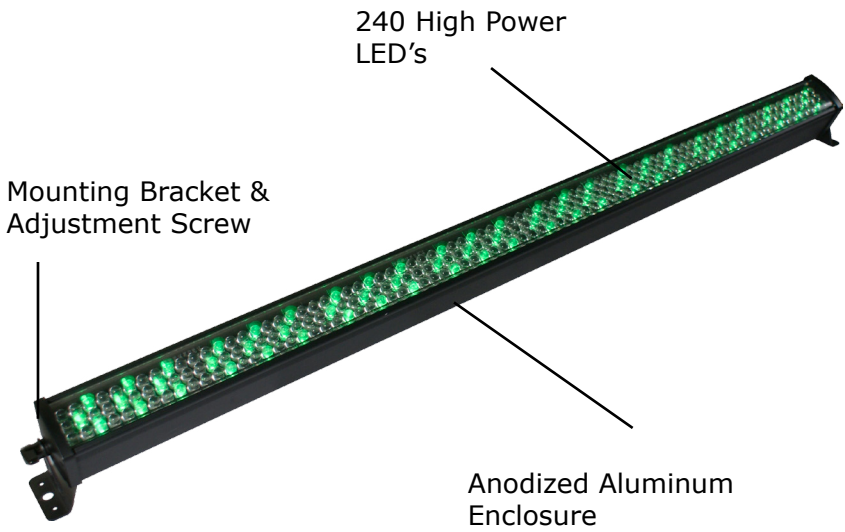
- Compact and lightweight (it kept its new year's resolution!)
- 400hz flicker-free LED drivers
- Light source: 240x 10mm LEDs, 96 Red, 72 Green, 72 Blue

## DMX Quick Reference

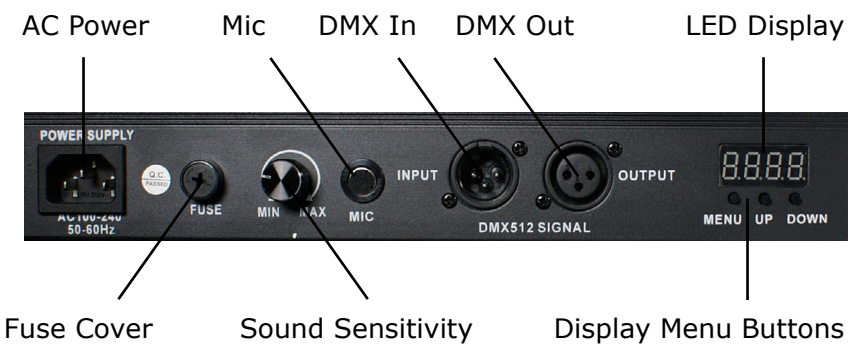
Channel	What It Does		
	3-Channel	4-Channel	7-Channel
1	Red	Red	Red
2	Green	Green	Green
3	Blue	Blue	Blue
4	--	Built-In Programs	Strobe
5	--	--	Built-In Programs
6	--	--	Speed
7	--	--	Fade/Sound Active

Channel	What It Does			
	10-Channel	16-Channel	24-Channel	28-Channel
1	Red Segment 1	Red Segment 1	Red Segment 1	Red Segment 1
2	Green Segment 1	Green Segment 1	Green Segment 1	Green Segment 1
3	Blue Segment 1	Blue Segment 1	Blue Segment 1	Blue Segment 1
4	Red Segment 2	Red Segment 2	Red Segment 2	Red Segment 2
5	Green Segment 2	Green Segment 2	Green Segment 2	Green Segment 2
6	Blue Segment 2	Blue Segment 2	Blue Segment 2	Blue Segment 2
7	Strobe	Red Segment 3	Red Segment 3	Red Segment 3
8	Built-In Programs	Green Segment 3	Green Segment 3	Green Segment 3
9	Speed	Blue Segment 3	Blue Segment 3	Blue Segment 3
10	Fade/Sound Active	Red Segment 4	Red Segment 4	Red Segment 4
11	--	Green Segment 4	Green Segment 4	Green Segment 4
12	--	Blue Segment 4	Blue Segment 4	Blue Segment 4
13	--	Strobe	Red Segment 5	Red Segment 5
14	--	Built-In Programs	Green Segment 5	Green Segment 5
15	--	Speed	Blue Segment 5	Blue Segment 5
16	--	Fade/Sound Active	Red Segment 6	Red Segment 6
17	--	--	Green Segment 6	Green Segment 6
18	--	--	Blue Segment 6	Blue Segment 6
19	--	--	Red Segment 7	Red Segment 7
20	--	--	Green Segment 7	Green Segment 7
21	--	--	Blue Segment 7	Blue Segment 7
22	--	--	Red Segment 8	Red Segment 8
23	--	--	Green Segment 8	Green Segment 8
24	--	--	Blue Segment 8	Blue Segment 8
25	--	--	--	Strobe
26	--	--	--	Built-In Programs
27	--	--	--	Speed
28	--	--	--	Fade/Sound Active

**Figure 1: The StormChaser™ Pin-Up Picture**



**Figure 2: The Rear Connections**



### 3. SETUP



Before replacing a fuse, disconnect power cord. ALWAYS replace with the same type and rating of fuse.

#### Fuse Replacement

With a philips head screwdriver, unscrew the fuse holder from its housing. Remove the damaged fuse from its holder and replace with exact same type fuse. Insert the fuse holder back in its place and reconnect power.

#### Connecting A Bunch of PixelStorm™ 240 Fixtures

You will need a serial data link to run light shows using a DMX-512 controller or to run shows on two or more fixtures set to sync in master/slave operating mode. The combined number of channels required by all the fixtures on a serial data link determines the number of fixtures the data link can support.

Fixtures on a serial data link must be daisy chained in one single line. Also, connecting more than 32 fixtures on one serial data link without the use of a DMX optically-isolated splitter may result in deterioration of the digital DMX signal.

The maximum recommended cable-run distance is 500 meters (1640 ft). The maximum recommended number of fixtures on a serial data link is 32 fixtures.

#### Data/DMX Cabling

To link fixtures together you'll need data cables. You should use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.

For instance, Belden© 9841 meets the specifications for EIA RS-485 applications. Standard microphone cables will "probably" be OK, but note that they cannot transmit DMX data as reliably over long distances. In any event, the cable should have the following characteristics:

*2-conductor twisted pair plus a shield*

*Maximum capacitance between conductors – 30 pF/ft.*

*Maximum capacitance between conductor & shield – 55 pF/ft.*

*Maximum resistance of 20 ohms / 1000 ft.*

*Nominal impedance 100 – 140 ohms*

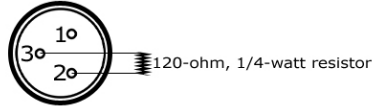
## Cable Connectors

Cables must have a male XLR connector on one end and a female XLR connector on the other end. (Duh!)



**A Word on Termination:** DMX is a resilient communication protocol, however errors still occasionally occur. Termination reduces signal errors, and therefore best practices include use of a terminator in all circumstances. If you are experiencing problems with erratic fixture behavior, especially over long signal cable runs, a terminator may help improve performance.

**To build your own DMX Terminator:**  
Obtain a 120-ohm, 1/4-watt resistor, and wire it between pins 2 & 3 of the last fixture. They are also readily available from specialty retailers.



**CAUTION:** Do not allow contact between the common and the fixture's chassis ground. Grounding the common can cause a ground loop, and your fixture may perform erratically. Test cables with an ohm meter to verify correct polarity and to make sure the pins are not grounded or shorted to the shield or each other.

## 3-Pin??? 5-Pin??? Huh?!?

If you use a controller with a 5 pin DMX output connector, you will need to use a 5 pin to 3 pin adapter. They are widely available over the internet and from specialty retailers. If you'd like to build your own, the chart below details a proper cable conversion:

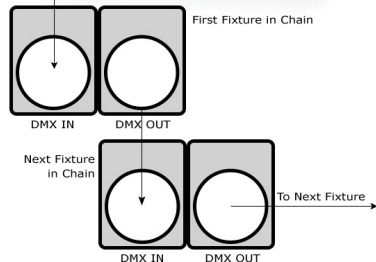
Conductor	3-Pin Female (Output)	5-Pin Male (Input)
Ground/Shield	Pin 1	Pin 1
DMX Data (-)	Pin 2	Pin 2
DMX Data (+)	Pin 3	Pin 3
Not Used.	No Connection.	No Connection.
Not Used.	No Connection.	No Connection.

## Take It To The Next Level: Setting Up DMX Control

**Step 1:** Connect the male connector of the DMX cable to the female connector (output) on the controller.



**Step 2:** Connect the female connector of the DMX cable to the first fixture's male connector (input). *Note:* It doesn't matter which fixture address is the first one connected. We recommend connecting the fixtures in terms of their proximity to the controller, rather than connecting the lowest fixture number first, and so on.

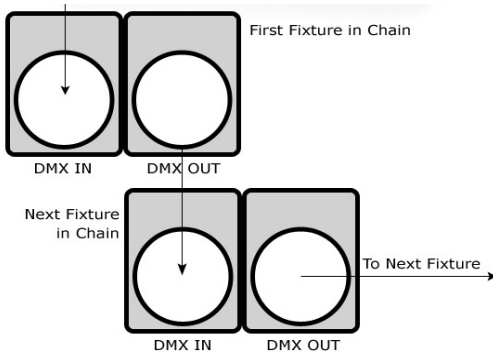


**Step 3:** Connect other fixtures in the chain from output to input as above. Place a DMX terminator on the output of the final fixture to ensure best communication.



## Fixture Linking (Master/Slave Mode)

1. Connect the (male) 3 pin connector side of the DMX cable to the output (female) 3 pin connector of the first fixture.
2. Connect the end of the cable coming from the first fixture which will have a (female) 3 pin connector to the input connector of the next fixture consisting of a (male) 3 pin connector. Then, proceed to connect from the output as stated above to the input of the following fixture and so on.



**A quick note:** Often, the setup for Master-Slave and Standalone operation requires that the first fixture in the chain be initialized for this purpose via either settings in the control panel or DIP-switches. Secondly, the fixtures that follow may also require a slave setting.

Check the **“Operating Adjustments”** section in this manual for complete instructions for this type of setup and configuration.

## Mounting & Rigging

This fixture may be mounted in any SAFE position provided there is enough room for ventilation.

It is important never to obstruct the fan or vents pathway. Mount the fixture using a suitable “C” or “O” type clamp. The clamp should be rated to hold at least 10x the fixture’s weight to ensure structural stability. Do not mount to surfaces with unknown strength, and ensure properly “rated” rigging is used when mounting fixtures overhead.

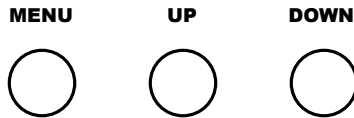
Adjust the angle of the fixture by loosening both knobs and tilting the fixture. After finding the desired position, retighten both knobs.

- When selecting installation location, take into consideration lamp replacement access (if applicable) and routine maintenance.
- Safety cables **MUST ALWAYS** be used.
- Never mount in places where the fixture will be exposed to rain, high humidity, extreme temperature changes or restricted ventilation.

## 4. OPERATING ADJUSTMENTS

### The Control Panel

All the goodies and different modes possible with the PixelStorm™ 240 are accessed by using the control panel on the front of the fixture. There are 3 control buttons below the LED display which allow you to navigate through the various control panel menus.



#### <MENU>

Is used to initially access the control panel system, and also navigate to the previous higher-level menu item.

#### <UP>

Scrolls through menu items and numbers in ascending order.

#### <DOWN>

Scrolls through menu items and numbers in descending order.

The Control Panel LED Display shows the menu items you select from the menu map on page #11. When a menu function is selected, the display will show immediately the first available option for the selected menu function. To select a menu item, press **<MENU>**.

Press the **<MENU>** button repeatedly until you reach the desired menu function. Use the **<UP>** and **<DOWN>** buttons to navigate the menu options. To select the next menu function, press the **<MODE>** button.

## Control Panel Menu Structure

<i>Addr</i>	→	<i>1-512</i>	To choose the DMX address
<i>CHnd</i>	→	<i>3CH</i>	3 channel DMX mode
		<i>4CH</i>	4 channel DMX mode
		<i>7CH</i>	7 channel DMX mode
		<i>10CH</i>	10 channel DMX mode
		<i>16CH</i>	16 channel DMX mode
		<i>24CH</i>	24 channel DMX mode
		<i>28CH</i>	28 channel DMX mode
<i>SLAV</i>	→	<i>SLAV</i>	To run the fixture in slave mode
<i>SP ---</i>	→	<i>SP00 -SP 15</i>	Speed adjustments (0-15)
<i>Pr ---</i>	→	<i>Pr00 -Pr25</i>	Built-in programs (0-25)
<i>ASC -</i>	→	<i>AC00 -AC 15</i>	Auto mode (runs built-in programs 8-25)
<i>FAde</i>	→	<i>FA00 -FA 15</i>	Fade settings (0-8)
<i>FLAS</i>	→	<i>FL00 -FL 15</i>	Flash / strobe speed (0-15)
<i>rL ---</i>	→	<i>r.000 - r.255</i>	Red dimmer (0% <--> 100%)
<i>GL ---</i>	→	<i>G.000 - G.255</i>	Green dimmer (0% <--> 100%)
<i>bL ---</i>	→	<i>b.000 - b.255</i>	Blue dimmer (0% <--> 100%)
<i>SoUR</i>	→	<i>SoUR</i>	Sound active mode
<i>LED</i>	→	<i>on - off</i>	Display menu on/off
<i>VERN</i>	→	<i>VE2.0</i>	Software version

### Setting the DMX Channel Mode:

To control the PixelStorm™ 240 in DMX, first select from one of the DMX control channel modes (3/4/7/10/16/24, or 28 channel mode.)

- 1.) To select a DMX channel mode, press the **<MENU>** button, then use the **<UP>** or **<DOWN>** buttons until the display reads *Chnd* and press the **<MENU>** button.
- 2.) Then use the **<UP>** or **<DOWN>** buttons until the display reaches your desired channel mode.
- 3.) Press the **<MENU>** button to confirm.

### Setting the DMX Address:

- 1.) Press the **<MENU>** button, then use the **<UP>** or **<DOWN>** buttons until the display reads *Addr* and press the **<MENU>** button.
- 2.) Use the **<UP>** and **<DOWN>** buttons to set the appropriate DMX address from *0001-0512*.
- 3.) Press the **<MENU>** button to confirm.

### Built-in Programs:

- 1.) Press the **<MENU>** button, then use the **<UP>** or **<DOWN>** buttons until the display reads *Pr---*, and press the **<MENU>** button.
- 2.) Then use the **<UP>** and **<DOWN>** buttons to choose your desired program from *Pr00-Pr25*, and press the **<MENU>** button.
- 3.) To adjust the speed, use the **<UP>** or **<DOWN>** buttons until the display reads *SP---* and press the **<MENU>** button.
- 4.) Then use the **<UP>** and **<DOWN>** buttons to set your desired speed from *SP00* to *SP15*.
- 5.) Press the **<MENU>** button to confirm.

### Flash and Fade Modes:

- 1.) Press the **<MENU>** button, then use the **<UP>** or **<DOWN>** buttons until the display reads *FLAS* or *FADE*, and press the **<MENU>**.
- 2.) Then use the **<UP>** and **<DOWN>** buttons to set your desired speed from *FL00* to *FL15*, or *FA00* to *FA15*.
- 3.) Press the **<MENU>** button to confirm.

### Auto Mode:

- 1.) Press the **<MENU>** button, then use the **<UP>** or **<DOWN>** buttons until the display reads *ASC-* and press the **<MENU>** button. This will run *Pr00-Pr25* in sequence.
- 2.) Then use the **<UP>** and **<DOWN>** buttons to choose your desired speed from *AC00-AC15*, and press the **<MENU>** button.

### Sound Active Mode:

- 1.) Press the **<MENU>** button, then use the **<UP>** or **<DOWN>** buttons until the display reads *SouR*, and press the **<MENU>** button.
- 2.) Use the sensitivity knob to adjust sound sensitivity.

### Custom Color Adjustments:

- 1.) Press the **<MENU>** button until the display reads *r255* (Red intensity, 0-255), or *G255* (Green intensity, 0-255), *b255* (Blue intensity, 0-255)
- 2.) Please note that these settings will effect the fixture GLOBALLY, IE in any mode.

### Slave Mode:

- 1.) Press the **<MENU>** button, then use the **<UP>** or **<DOWN>** buttons until the display reads *SLAV* and press the **<MENU>** button.

## DMX Values In-Depth (3-Channel Mode)

Channel	Channel Value	Does...
1	000 <-> 255	Red (All Segments)
2	000 <-> 255	Green (All Segments)
3	000 <-> 255	Blue (All Segments)

## DMX Values In-Depth (4-Channel Mode)

Channel	Channel Value	Does...
1	000 <-> 255	Red (All Segments)
2	000 <-> 255	Green (All Segments)
3	000 <-> 255	Blue (All Segments)
4	000 <-> 255	Built-in Programs

## DMX Values In-Depth (7-Channel Mode)

Channel	Channel Value	Does...
1	000 <-> 255	Red (All Segments)
2	000 <-> 255	Green (All Segments)
3	000 <-> 255	Blue (All Segments)
4	000 <-> 015 016 <-> 255	No Function Strobe (Slow <-> Fast)
5	000 <-> 003 004 <-> 013 014 <-> 023 024 <-> 033 034 <-> 043 044 <-> 053 054 <-> 063 064 <-> 073 074 <-> 083 084 <-> 093 094 <-> 103 104 <-> 113 114 <-> 123 124 <-> 133 134 <-> 143 144 <-> 153 154 <-> 163 164 <-> 173 174 <-> 183 184 <-> 193 194 <-> 203 204 <-> 213 214 <-> 223 224 <-> 233 234 <-> 243 244 <-> 253 254 255	No Function Red (All Segments) Green (All Segments) Blue (All Segments) Red + Green (All Segments) Green + Blue (All Segments) Blue + Red (All Segments) Red + Green + Blue (All Segments) Effect 1 (All Segments, 7 Color Snap) Effect 2 (Pixel Effect) Effect 3 (Pixel Effect) Effect 4 (Pixel Effect) Effect 5 (Pixel Effect) Effect 6 (Pixel Effect) Effect 7 (Pixel Effect) Effect 8 (Pixel Effect) Effect 9 (Pixel Effect) Effect 10 (Pixel Effect) Effect 11 (Pixel Effect) Effect 12 (Pixel Effect) Effect 13 (Pixel Effect) Effect 14 (Pixel Effect) Effect 15 (Pixel Effect) Effect 16 (Pixel Effect) Effect 17 (Pixel Effect) Effect 18 (Pixel Effect) Effect 19 (Pixel Effect) All Effects Run In Sequence
6	000 <-> 255	Speed (Slow <-> Fast)
7	000 <-> 249 250 <-> 255	Fade (Slow <-> Fast) Sound Active

## DMX Values In-Depth (10-Channel Mode, 2-Segments)

Segment 1	Segment 2
Channel 1 - Red Channel 2 - Green Channel 3 - Blue	Channel 4 - Red Channel 5 - Green Channel 6 - Blue

In 10-channel mode, the fixture is divided into 2 segments as illustrated in the table above. Channel groups 1-3 and 4-6 control the R/G/B values of each segment, respectively (0 <--> 100%).

**Channels 7,8,9, and 10 have the same values as 7-channel mode, channels 4-7. See 7-channel mode table on page 13.**

## DMX Values In-Depth (16-Channel Mode, 4-Segments)

SEGMENT 1	SEGMENT 2	SEGMENT 3	SEGMENT 4
Channel 1 - Red Channel 2 - Green Channel 3 - Blue	Channel 4 - Red Channel 5 - Green Channel 6 - Blue	Channel 7 - Red Channel 8 - Green Channel 9 - Blue	Channel 10 - Red Channel 11 - Green Channel 12 - Blue

In 16-channel mode, the fixture is divided into 4 segments as illustrated in the table above. Channel groups 1-3, 4-6, 7-9, and 10-12 control the R/G/B values of each segment, respectively (0 <--> 100%).

**Channels 13,14,15, and 16 have the same values as 7-channel mode, channels 4-7. See 7-channel mode on page 13.**

## DMX Values In-Depth (24-Channel Mode, 8-Segments)

SEGMENT 1	SEGMENT 2	SEGMENT 3	SEGMENT 4	SEGMENT 5	SEGMENT 6	SEGMENT 7	SEGMENT 8
Ch 1 - Red Ch 2 - Green Ch 3 - Blue	Ch 4 - Red Ch 5 - Green Ch 6 - Blue	Ch 7 - Red Ch 8 - Green Ch 9 - Blue	Ch 10 - Red Ch 11 - Green Ch 12 - Blue	Ch 13 - Red Ch 14 - Green Ch 15 - Blue	Ch 16 - Red Ch 17 - Green Ch 18 - Blue	Ch 19 - Red Ch 20 - Green Ch 21 - Blue	Ch 22 - Red Ch 23 - Green Ch 24 - Blue

In 24-channel mode, the fixture is divided into 8 segments as illustrated in the table above. Channel groups 1-3, 4-6, 7-9, 10-12, 13-15, 16-18, 19-21, and 22-24 control the R/G/B values of each segment, respectively (0 <--> 100%).

## DMX Values In-Depth (28-Channel Mode, 8-Segments)

SEGMENT 1	SEGMENT 2	SEGMENT 3	SEGMENT 4	SEGMENT 5	SEGMENT 6	SEGMENT 7	SEGMENT 8
Ch 1 - Red Ch 2 - Green Ch 3 - Blue	Ch 4 - Red Ch 5 - Green Ch 6 - Blue	Ch 7 - Red Ch 8 - Green Ch 9 - Blue	Ch 10 - Red Ch 11 - Green Ch 12 - Blue	Ch 13 - Red Ch 14 - Green Ch 15 - Blue	Ch 16 - Red Ch 17 - Green Ch 18 - Blue	Ch 19 - Red Ch 20 - Green Ch 21 - Blue	Ch 22 - Red Ch 23 - Green Ch 24 - Blue

In 28-channel mode, the fixture is also divided into 8 segments as illustrated in the table above. Channel groups 1-3, 4-6, 7-9, 10-12, 13-15, 16-18, 19-21, and 22-24 control the R/G/B values of each segment, respectively (0 <--> 100%).

**Channels 25,26,27, and 28 have the same values as 7-channel mode, channels 4-7. See 7-channel mode on page 13.**

# 5. APPENDIX

## A Quick Lesson On DMX

DMX covers (and is an abbreviation for) Digital MultipleXed signals. It is the most common communications standard used by lighting and related stage equipment.

DMX provides up to 512 control "channels" per data link. Each of these channels was originally intended to control lamp dimmer levels. You can think of it as 512 faders on a lighting console, connected to 512 light bulbs. Each slider's position is sent over the data link as an 8-bit number having a value between 0 and 255. The value 0 corresponds to the light bulb being completely off while 255 corresponds to the light bulb being fully on.

DMX data is transmitted at 250,000 bits per second using the RS-485 transmission standard over two wires. As with microphone cables, a grounded cable shield is used to prevent interference with other signals.

There are five pins on a DMX connector: a wire for ground (cable shield), two wires for "Primary" communication which goes from a DMX source to a DMX receiver, and two wires for a "Secondary" communication which goes from a DMX receiver back to a DMX source. Generally, the "Secondary" channel is not used so data flows only from sources to receivers. Hence, most of us are most familiar with DMX-512 as being employer over typical 3-pin "mic cables," although this does not conform to the defined standard.

DMX is connected using a daisy-chain configuration where the source connects to the input of the first device, the output of the first device connects to the input of the next device, and so on. The standard allows for up to 32 devices on a single DMX link.

Each receiving device typically has a means for setting the "starting channel number" that it will respond to. For example, if two 6-channel fixtures are used, the first fixture might be set to start at channel 1 so it would respond to DMX channels 1 through 6, and the next fixture would be set to start at channel 7 so it would respond to channels 7 through 12.

## Troubleshooting

Symptom	Solution
Fixture Auto-Shut Off	Check the fan in the fixture. If it is stopped or moving slower than normal, the unit may have shut itself off due to high heat. This is to protect the fixture from overheating. Clear the fan of obstructions, or return the unit for service.
Beam is Dim	Check optical system and clean excess dust/grime. Also ensure that the 220V/110V switch is in the correct position, if applicable.
No Light Output	Check to ensure fixture is operating under correct mode, IE sound active/auto/DMX/Etc., if applicable. Contact service for more information.
Chase Speed Too Fast/Slow	Check to ensure proper setup of speed adjustment.
No Power	Check fuse, AC cord and circuit for malfunction.
No Response to Audio	Verify that the fixture is in "Sound Active" mode. Adjust Audio Sensitivity, If Applicable.
Fixture Not Responding / Responding Erratically	Make sure all connectors are seated properly and securely. Use Only DMX Cables. Install a Terminator. Check all cables for defects. Reset fixture(s).

## Keeping Your PixelStorm™ 240™ As Good As New

The fixture you've received is a rugged, tough piece of pro lighting equipment, and as long as you take care of it, it will take care of you. That said, like anything, you'll need to take care of it if you want it to operate as designed. You should absolutely keep the fixture clean, especially if you are using it in an environment with a lot of dust, fog, haze, wild animals, wild teenagers or spilled drinks.

Cleaning the optics routinely with a suitable glass cleaner will greatly improve the quality of light output. Keeping the fans free of dust and debris will keep the fixture running cool and prevent damage from overheating.

In transit, keep the fixtures in cases. You wouldn't throw a prized guitar, drumset, or other piece of expensive gear into a gear trailer without a case, and similarly, you shouldn't even think about doing it with your shiny new light fixtures.

Common sense and taking care of your fixtures will be the single biggest thing you can do to keep them running at peak performance and let you worry about designing a great light show, putting on a great concert, or maximizing your client's satisfaction and "wow factor." That's what it's all about, after all!

### Returns (Gasp!)

We've taken a lot of precautions to make sure you never even have to worry about sending a defective unit back, or sending a unit in for service. But, like any complex piece of equipment designed and built by humans, once in a while, something doesn't go as planned. If you find yourself with a fixture that isn't behaving like a good little fixture should, you'll need to obtain a Return Authorization (RA).

Don't worry, this is easy. Just send an email to [support@blizzardlighting.com](mailto:support@blizzardlighting.com), and we'll issue you an RA. Then, you'll need to send the unit to us using a trackable, pre-paid freight method. We suggest using USPS Priority or UPS. Make sure you carefully pack the fixture for transit, and whenever possible, use the original box & packing for shipping.

When returning your fixture for service, be sure to include the following:

- 1.) Your contact information (Name, Address, Phone Number, Email address).
- 2.) The RA# issued to you
- 3.) A brief description of the problem/symptoms.

We will, at our discretion, repair or replace the fixture. Please remember that any shipping damage which occurs in transit to us is the customer's responsibility, so pack it well!

### Shipping Issues

**Damage incurred in shipping is the responsibility of the shipper, and must be reported to the carrier immediately upon receipt of the items. Claims must be made within seven (7) days of receipt.**

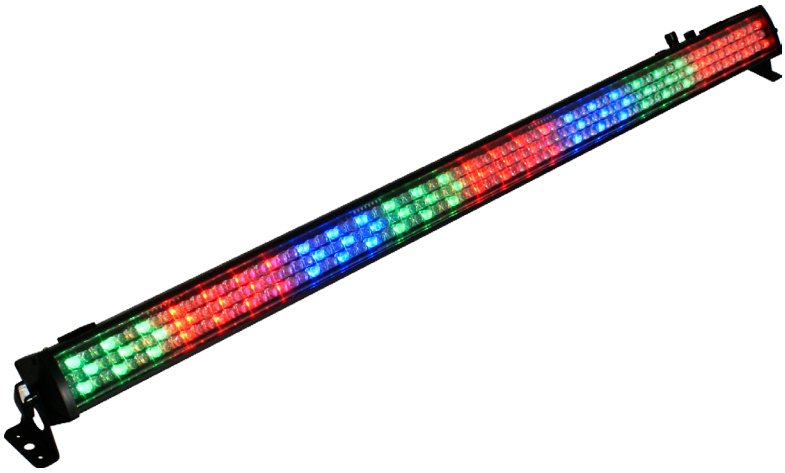


## Tech Specs!

<b>Weight &amp; Dimensions</b>		
Length	39.37 inches (100 cm)	
Width	2.37 inches (6 cm)	
Height	2.37 inches (6 cm)	
Weight	4.41 lbs (2 kg)	
<b>Power</b>		
Operating Voltage	120VAC, 60 Hertz	
Fuse	2A 250V	
Power Consumption	17W	
<b>Light Source</b>		
LED	240x 10mm LEDs, 96 Red, 72 Green, 72 Blue, 100,000 hours.	
<b>Optical</b>		
Beam Angle	25 degrees	
Luminous Intensity	1 Meter	310 Lux Red, 350 Lux Green, 510 Lux Blue
	2 Meter	180 Lux Red, 200 Lux Green, 260 Lux Blue
<b>Thermal</b>		
Max. Operating Temp.	104 degrees F (40 degrees C) ambient	
<b>Control</b>		
Protocol	USITT DMX-512	
DMX Channels	3/4/7/10/16/24/28	
Input	3-pin XLR Male	
Output	3-pin XLR Female	
Other Operating Modes	Standalone, Master/Slave, Sound Active	
<b>Other Information</b>		
Thomas Edison, light bulb inventor, was afraid of the dark.		
<b>Warranty</b>	2-year limited warranty, does not cover malfunction caused by damage to LED's.	

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**Enjoy your product!  
Our sincerest thanks for your purchase!  
--The team @ Blizzard Lighting**