SUPER G
150
™

blizzard

Blizzard Lighting, LLC
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TABLE OF CONTENTS

1. GETTING STARTED

What's In The Box?

- 1 x Super-G™ 150 LED Moving Head
- 1 x Ever-So-Handy Power Cord
- 1 x DMX Signal Cable
- 1 x Mounting Bracket
- 1 x Safety Cable
- This Lovely User Manual

Getting It Out Of The Box

Congratulations on your purchase of the Super-G™ 150. It's incredibly powerful and ver-satile, yet surprisingly small... just like Prince. So now that you've got your Super-G™ 150 *(or hopefully Super-Gees)*, 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, please just visit our website at www.blizzardpro.com/ support and open a support ticket. We'll be happy to help, honest.

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Author:	Date:	Last Edited:	Date:
J. Thomas	11/12/2018	J. Thomas	4/10/2019

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 head. 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 open a support ticket at www. blizzardpro.com/support.

Page 4

2. MEET SUPER-G™ 150

MAIN FEATURES

- 150W white 7500K LED light source
- 50,000 hour life span and low power consumption
- 8/16 bit smooth and precise Pan/Tilt
- 540°/260° Pan/Tilt movement
- Optional Pan/Tilt invert function
- High precision glass optics with 12° projection angle
- Rotating gobo wheel with 6 gobos +open
- Static gobo wheel with 8 gobos +open
- Color wheel with 7 colors plus +open
- Linear electronic focus
- Variable direction, adjustable rainbow color effects
- 3-facet prism with variable speed and direction
- 0-100% smooth linear LED dimmer
- 1-25Hz fps strobe + variable/random effects
- Dimensions: 6.7 x 8.9 x 14.3 inches (170 x 226 x 362 mm)
- Weight: 16.2 lbs, 7.34 kg

CONTROL:

- Protocol: USITT DMX-512
- DMX Channels: 12/13/15
- 2-inch TFT LCD display menu with 4 button control panel
- Operating Modes: Standalone, Master/Slave, Auto, Sound Active

DMX Quick Reference (12/13/15-Channel Modes)

Ch.	12-Channel	Ch.	13-Channel	Ch.	15-Channel
1	Pan	1	Pan	1	Pan
2	Tilt	2	Tilt	2	Fine Pan (16-bit)
3	Dimmer	3	Pan/Tilt Speed	3	Tilt
4	Strobe	4	Dimmer	4	Fine Tilt (16-bit)
5	Color Wheel	5	Strobe	5	Pan/Tilt Speed
6	Static Gobo Wheel	6	Color Wheel	6	Dimmer
7	Rotating Gobo Wheel	7	Static Gobo Wheel	7	Strobe
8	Gobo Rotation	8	Rotating Gobo Wheel	8	Color Wheel
9	Prism	9	Gobo Rotation	9	Static Gobo Wheel
10	Prism Rotation	10	Prism	10	Rotating Gobo Wheel
11	Focus	11	Prism Rotation	11	Gobo Rotation
12	Reset Functions	12	Focus	12	Prism
--	--	13	Reset Functions	13	Prism Rotation
--	--	--	--	14	Focus
--	--	--	--	15	Reset Functions

Figure 1: Super-G™ 150 Pin-Up Picture

Head/Arms

150W LED
Light Source

4-Button
Control Panel
with 2" TFT
Color Display

Carry
Handle

Figure 2: The Rear Connections

Power
Input

Power
Switch

3-Pin
DMX In

Power
Output

Fuse
Holder

3-Pin
DMX Out

Page 6
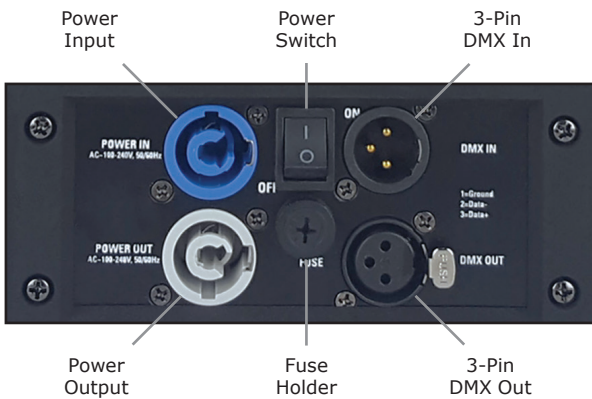
3. SETUP

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

Fuse Replacement

Remove the fuse holder from of its housing. Then take out the damaged fuse from its holder and replace with exact same type of fuse. Reattach the fuse holder, and then reconnect power.

Connecting A Bunch of Super-G™ 150 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!)
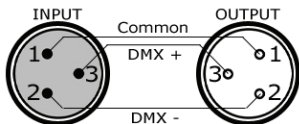

A Word on Termination: DMX is a resilient communication protocol, however errors still occasionally occur. Termination reduces signal errors, and therefore best practices include use of a terminator in all circumstances. If you are experiencing problems with erratic fixture behavior, especially over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

120-ohm, 1/4-watt resistor
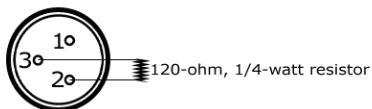
CAUTION: Do not allow contact between the common and the fixture's chassis ground. Grounding the common can cause a ground loop, and your fixture may perform erratically. Test cables with an ohm meter to verify correct polarity and to make sure the pins are not grounded or shorted to the shield or each 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
Data 1- (Primary Data Link)	Pin 2	Pin 2
Data 1+ (Primary Data Link)	Pin 3	Pin 3
Data 2- (Optional Secondary Data Link)	Pin 4	Pin 4
Data 2+ (Optional Secondary Data Link)	Pin 5	Pin 5

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.

First Fixture in Chain

DMX IN   DMX OUT

Next Fixture in Chain

To Next Fixture

DMX IN   DMX OUT

Page 8
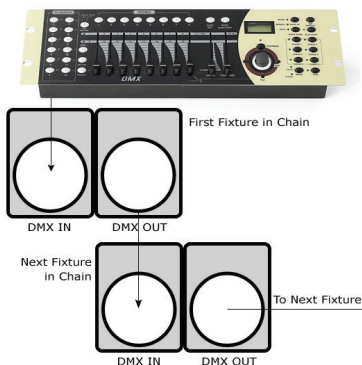
Fixture Linking (Master/Slave Mode)

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.

Clamp Mounting

This fixture provides a mounting bracket assembly that secures the bottom of the base, the "Omega Brackets," and the safety cable rigging point together. When mounting this fixture to truss, be sure to secure an appropriately rated clamp to the omega bracket using an M10 screw fitted through the center hole of the "omega bracket".

1.) Clamp
2.) Omega Bracket
3.) ¼ Turn Quick Locks
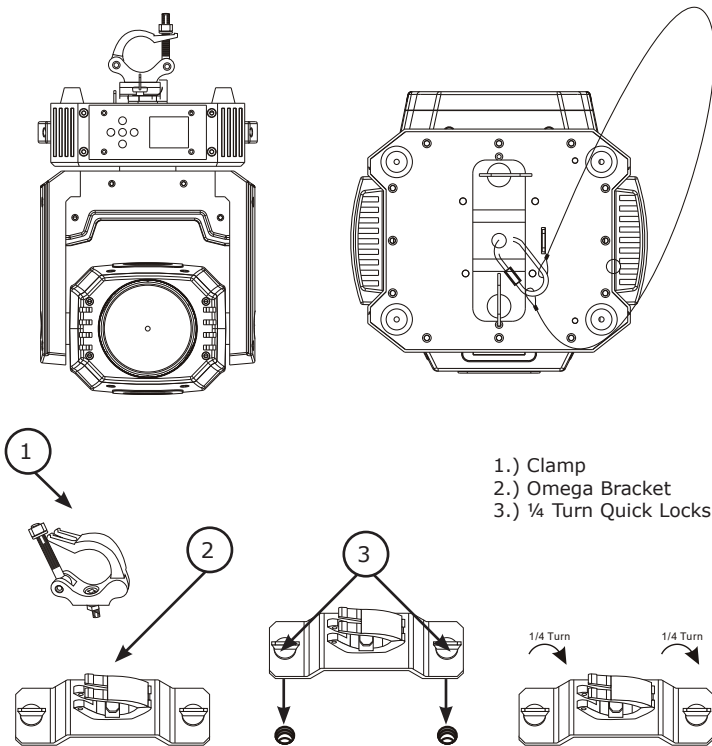
Securing the Fixture

Regardless of the rigging option you choose for your fixtures always be sure to secure your fixture with a safety cable. Be sure to only use the designated rigging point found on the underside of the base assembly for the safety cable. Never secure a safety cable to a carrying handle.

Page 9

4. OPERATING ADJUSTMENTS

The Control Panel

All the goodies and different modes possible with the Super-G™ 150 are accessed by using the control panel on the front of the fixture. There are 4 control buttons to the right of the LCD display which allow you to navigate through the various control panel menus.

<MENU>

Is used to navigate to the previous higher-level menu item.

<ENTER>

Is used to select and confirm/store the current selection.

<UP>

Scrolls through menu items and numbers in ascending order.

<DOWN>

Scrolls through menu items and numbers in descending order.

The control panel 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 **<ENTER>**.

Use the **<UP>** and **<DOWN>** buttons to navigate the menu options. Press the **<ENTER>** button to select the menu function currently displayed, or to enable a menu option. To return to the previous option or menu without changing the value, press the **<MENU>** button.

Page 10

Control Panel Menu Structure

Address	001-512	Set the starting address from 001-512	
Mode	12Ch	12-channel DMX mode	
	13Ch	13-channel DMX mode	
	15Ch	15-channel DMX mode	
	Auto (Alone)	Set individual fixture auto mode	
	Auto (Master)	Set fixture as master unit in auto mode	
	Sound (Alone)	Set individual fixture sound active mode	
	Sound (Master)	Set fixture as master unit in sound active mode	
Language	**<ENTER>**	English	
		Chinese	
		France	
		Spanish	
Reset	**<ENTER>**	Motor reset: Yes/No	
Option	Pan/Tilt Swap	Swap pan/tilt channels: On/Off	
	Pan Reverse	Pan reverse: On/Off	
	Tilt Reverse	Tilt reverse: On/Off	
	Shortcut ON/OFF	Wheels use shortest distance between effects	
	DMX Lost Set	Loss of DMX signal: On=Hold, Off=Blackout	
	Display Reverse	Flip the menu display: On/Off	
	Display Delay Off	Display: On=shuts off after 30s, Off=Always On	
	Reset Default	Factory reset: Yes/No	
Setup	Password	008 = Password for calibration & mic sensitivity	
	Calibration	Pan	=-127 <-> =+127
		Tilt	=-127 <-> =+127
		Color	=-127 <-> =+127
		FixedGobo	=-127 <-> =+127
		Rot Gobo	=-127 <-> =+127
		Prism	=-127 <-> =+127
		Focus	=-127 <-> =+127
		Dimmer	= 000 <-> = 255
	Mic Sensitivity	Mic Sensitivity	= 000 <-> = 100%
Information	**<ENTER>**	Temperature = °C	
		Fixture ID	
		Software Version	

Page 11

DMX Mode
Allows the unit to be controlled by any universal DMX controller.

Set the Starting DMX Address:

1.) Navigate the menu until you reach **Address**, and press **<ENTER>**.
2.) Use the **<UP/DOWN/MENU/ENTER>** buttons to select a channel from **001-512**.
3.) Press the **<ENTER>** button to confirm.

Select the DMX Channel Mode:

1.) Navigate the menu until you reach **Mode**, and press **<ENTER>**.
2.) Highlight **12Ch, 13Ch,** or **15Ch**, and press **<ENTER>** to confirm your choice.

Auto, Sound Active, & Manual Adjustments:
Allows a single or Master/Slaved units to run factory installed programs at user selectable speeds.

Auto Mode:

1.) Navigate the menu until you reach **Mode**, and press **<ENTER>**.
2.) Use the **<UP/DOWN>** buttons to select **Auto (Alone),** or **Auto (Master).**
3.) Press the **<ENTER>** button to confirm your selection.

Sound Active Mode:

1.) Navigate the menu until you reach **Mode**, and press **<ENTER>**.
2.) Use the **<UP/DOWN>** buttons to select **Sound (Alone),** or **Sound (Master).**
3.) Press the **<ENTER>** button to confirm your selection.

Device Options:
The options menu contains various configurable settings for the fixture.

Pan/Tilt Swap, Pan/Tilt Reverse:

1.) Navigate the menu until you reach **Option**, and press **<ENTER>**.
2.) Then navigate to **Invert Swap, Pan Reverse,** or **Tilt Reverse** and press **<ENTER>.**
3.) Use the **<UP/DOWN>** buttons to highlight **On** or **Off,** and press **<ENTER>.**

Shortcut ON/OFF: *(determines if the gobo/color wheels take the shortest path)*

1.) Navigate the menu until you reach **Option**, and press **<ENTER>**.
2.) Then navigate to **Shortcut ON/OFF** and press **<ENTER>.**
3.) Use the **<UP/DOWN>** buttons to highlight **On** or **Off,** and press **<ENTER>.**

DMX Lost Set: *(if the DMX signal is lost, fixture will revert to this setting)*

1.) Navigate the menu until you reach **Option**, and press **<ENTER>**.
2.) Then navigate to **DMX Lost Set** and press **<ENTER>.**
3.) Use **<UP/DOWN>** to select **On** (hold), or **Off** (blackout)**,** and press **<ENTER>.**

Display Reverse:

1.) Navigate the menu until you reach **Option**, and press **<ENTER>**.
2.) Then navigate to **Display Reverse** and press **<ENTER>.**
3.) Highlight **On (**flipped menu display) or **Off**, and press **<ENTER>.**

Display Delay Off:

1.) Navigate the menu until you reach **Option**, and press **<ENTER>**.
2.) Then navigate to **Display Delay Off** and press **<ENTER>.**
3.) Highlight **On (**shuts off after 30s), or **Off** (always on), and press **<ENTER>.**

Factory Reset:

1.) Navigate the menu until you reach **Option**, and press **<ENTER>**.
2.) Then navigate to **Reset Default** and press **<ENTER>.**
3.) Use the **<UP/DOWN>** buttons to highlight **Yes** or **No,** and press **<ENTER>.**

Language:
Here you can choose your preferred menu display language.

1.) Navigate the menu until you reach **Language**, and press **<ENTER>**.
2.) Use the **<UP/DOWN>** buttons to highlight any available option, and press **<ENTER>.**
3.) Press the **<ENTER>** button to confirm your selection.

Reset:
This reset option will reset the motors only (see device options for factory reset).

1.) Navigate the menu until you reach **Reset**, and press **<ENTER>**.
2.) Use the **<UP/DOWN>** buttons to highlight **Yes** (motor reset) or **No** (cancel).
3.) Press the **<ENTER>** button to confirm your selection.

Setup Options:
The setup menu contains password protected calibration and mic settings.

Password *(password = 008)*

1.) Navigate the menu until you reach **Setup**, and press **<ENTER>**.
2.) Then navigate to **Password** and press **<ENTER>.**
3.) Use the **<UP/DOWN>** buttons to enter the password which is **008,** and press **<ENTER>** to confirm your choice.

Calibration:

1.) Follow the instructions above to enter the password in the **Setup** menu.
2.) Navigate the menu until you reach **Calibration**, and press **<ENTER>**.
3.) Use the **<UP/DOWN>** buttons to highlight any available option, and press **<ENTER>.**
4.) Now use the **<UP/DOWN>** buttons to make any fine adjustments, and press **<ENTER>** to confirm your choice.

Mic Sensitivity:

1.) Follow the instructions above to enter the password in the **Setup** menu.
2.) Navigate the menu until you reach **Mic Sensitivity**, and press **<ENTER>**.
3.) Use the **<UP/DOWN>** buttons to adjust the mic sensitivity level, ranging anywhere from 0% to 100%.
4.) Press the **<ENTER>** button to confirm your selection.

Page 13

DMX Values In-Depth (12/13/15-Channel Modes)

12ch Mode	13ch Mode	15ch Mode	Value	What it does
1	1	1	000 <-> 255	Pan
--	--	2	000 <-> 255	Fine Pan (16-bit)
2	2	3	000 <-> 255	Tilt
--	--	4	000 <-> 255	Fine Tilt (16-bit)
--	3	5	000 <-> 225 226 <-> 235 236 <-> 245 246 <-> 255	**Pan/Tilt Speed** Pan & Tilt speed (fast <-> slow) Blackout (pan/tilt movement) Blackout (gobo/color change) No function
3	4	6	000 <-> 255	Dimmer (0% - 100%)
4	5	7	000 <-> 031 032 <-> 063 064 <-> 095 096 <-> 127 128 <-> 143 144 <-> 159 160 <-> 191 192 <-> 223 224 <-> 255	**Strobe** No Function Open Strobe (slow <-> fast) Open Ramp Up (slow <-> fast) Ramp Down (slow <-> fast) Open Random Strobe (slow <-> fast) Open
5	6	8	000 <-> 010 011 <-> 023 024 <-> 036 037 <-> 049 050 <-> 062 063 <-> 075 076 <-> 088 089 <-> 101 102 <-> 114 115 <-> 127 128 <-> 140 141 <-> 153 154 <-> 166 167 <-> 179 180 <-> 217 218 <-> 255	**Color Wheel** Open Color 1 Color 1 + Color 2 Color 2 Color 2 + Color 3 Color 3 Color 3 + Color 4 Color 4 Color 4 + Color 5 Color 5 Color 5 + Color 6 Color 6 Color 6 + Color 7 Color 7 Color forward rotation (slow <-> fast) Color backward rotation (slow <-> fast)
6	7	9	000 <-> 010 011 <-> 025 026 <-> 040 041 <-> 055 056 <-> 070 071 <-> 085 086 <-> 100 101 <-> 115 116 <-> 130 131 <-> 140 141 <-> 150 151 <-> 160 161 <-> 170 171 <-> 180 181 <-> 190 191 <-> 200 201 <-> 210 211 <-> 232 233 <-> 255	**Gobo Wheel (static)** Open Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 8 Gobo 1 Shake (slow <-> fast) Gobo 2 Shake (slow <-> fast) Gobo 3 Shake (slow <-> fast) Gobo 4 Shake (slow <-> fast) Gobo 5 Shake (slow <-> fast) Gobo 6 Shake (slow <-> fast) Gobo 7 Shake (slow <-> fast) Gobo 8 Shake (slow <-> fast) Rotation (fast <-> slow) Rotation (slow <-> fast)

Page 14

DMX Values In-Depth (12/13/15-Channel Modes)

12ch Mode	13ch Mode	15ch Mode	Value	What it does
7	8	10	000 <-> 010 011 <-> 040 041 <-> 070 071 <-> 100 101 <-> 130 131 <-> 160 161 <-> 190 191 <-> 222 223 <-> 255	**Gobo Wheel (rotating)** Open Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Rotation (fast <-> slow) Rotation (slow <-> fast)
8	9	11	000 <-> 127 128 <-> 190 191 <-> 192 193 <-> 255	**Gobo Rotation** 0-540° Angle Index Forward Rotation (fast <-> slow) Stop Reverse Rotation (slow <-> fast)
9	10	12	000 <-> 127 128 <-> 255	**Prism** Open 3-Facet Prism
10	11	13	000 <-> 127 128 <-> 190 191 <-> 192 193 <-> 255	**Prism Rotation** 0-540° Angle Index Forward Rotation (fast <-> slow) Stop Reverse Rotation (slow <-> fast)
11	12	14	000 <-> 255	Focus
12	13	15	000 <-> 024 025 <-> 049 050 <-> 074 075 <-> 099 100 <-> 124 125 <-> 149 150 <-> 255	**Reset (hold any value > 3 seconds)** No Function Reset Effects No Function Reset Complete No Function Reset Sound Control Reserved

Gobo and Color Wheels

Static Gobos:

Colors:

Open   1. Red   2. Green

3. Yellow   4. Blue   5. Magenta

6. Orange   7. Cyan

Rotating Gobos:

5. APPENDIX

A Quick Lesson On DMX

DMX (aka DMX-512) was created in 1986 by the United States Institute for Theatre Technology (USITT) as a standardized method for connecting lighting consoles to lighting dimmer modules. It was revised in 1990 and again in 2000 to allow more flexibility. The Entertainment Services and Technology Association (ESTA) has since assumed control over the DMX512 standard. It has also been approved and recognized for ANSI standard classification.

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 more 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.

The greatest strength of the DMX communications protocol is that it is very simple and robust. It involves transmitting a reset condition (indicating the start of a new "packet"), a start code, and up to 512 bytes of data. Data packets are transmitted continuously. As soon as one packet is finished, another can begin with no delay if desired (usually another follows within 1 ms). If nothing is changing (i.e. no lamp levels change) the same data will be sent out over and over again. This is a great feature of DMX -- if for some reason the data is not interpreted the first time around, it will be re-sent shortly.

Not all 512 channels need to be output per packet, and in fact, it is very uncommon to find all 512 used. The fewer channels are used, the higher the "refresh" rate. It is possible to get DMX refreshes at around 1000 times per second if only 24 channels are being transmitted. If all 512 channels are being transmitted, the refresh rate is around 44 times per second.

In summary, since its design and evolution in the 1980's DMX has become the standard for lighting control. It is flexible, robust, and scalable, and its ability to control everything from dimmer packs to moving lights to foggers to lasers makes it an indispensable tool for any lighting designer or lighting performer.

Page 16

Keeping Your Super-G™ 150 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 go to our website and open a support ticket at www.blizzardpro.com/support, 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.

Page 17

Tech Specs!

| Weight & Dimensions	
Width	8.9 inches (226 mm)
Depth	6.7 inches (170 mm)
Height	14.3 inches (362 mm)
Weight	16.2 lbs. (7.34 kg)
Power	
Operating Voltage	100V-240VAC, 50-60Hz
Power Consumption	254W, 3.1A, PF: .71
Light Source	
LED	150W white 7500K LED
Optical	
Beam Angle	12° beam angle
Gobo Size	22mm (external dimensions), 14mm (inner dimensions)
Thermal	
Max. Operating Temp.	104 degrees F (40 degrees C) ambient
Control	
Protocol	USITT DMX-512
DMX Channels	12/13/15-channel DMX modes
Input	3-pin XLR Male
Output	3-pin XLR Female
Other Operating Modes	Standalone, Master/Slave, Auto, Sound Active
Warranty	2-year limited warranty, does not cover malfunction caused by damage to LEDs.

Photometric Data
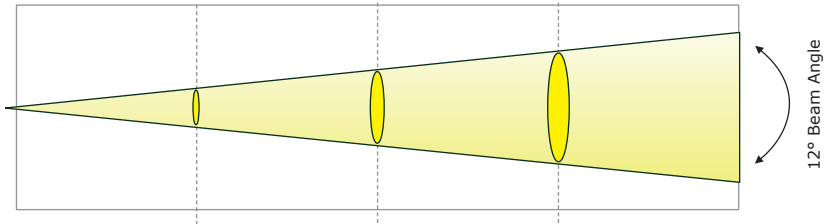
Distance:	5m	7.5m	10m
Diameter:	42.5" (108 cm)	64" (162 cm)	85" (216 cm)

Luminous Intensity:

Beam	2m lux	2m fc	3m lux	3m fc	4m lux	4m fc	5m lux	5m fc
12°	21,917	2036.1	8,868	823.8	5,113	475.0	3,187	296.1

Dimensional Drawings

8.5" (214.4 mm)

12.5" (316.3 mm)

6.7" (170 mm)

8.7" (221 mm)

8.9" (226 mm)
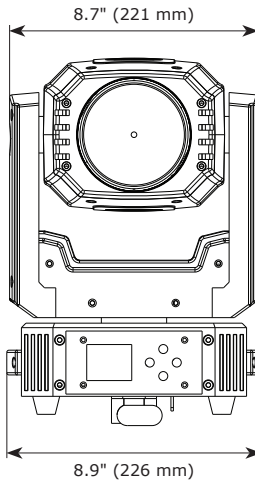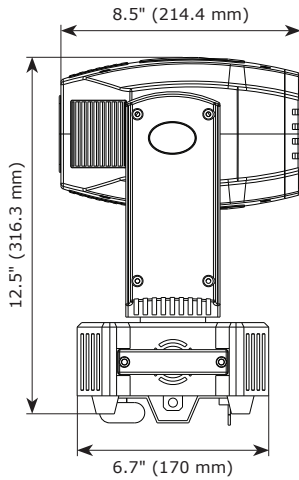
DISCLAIMER:
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--The team @ Blizzard Lighting