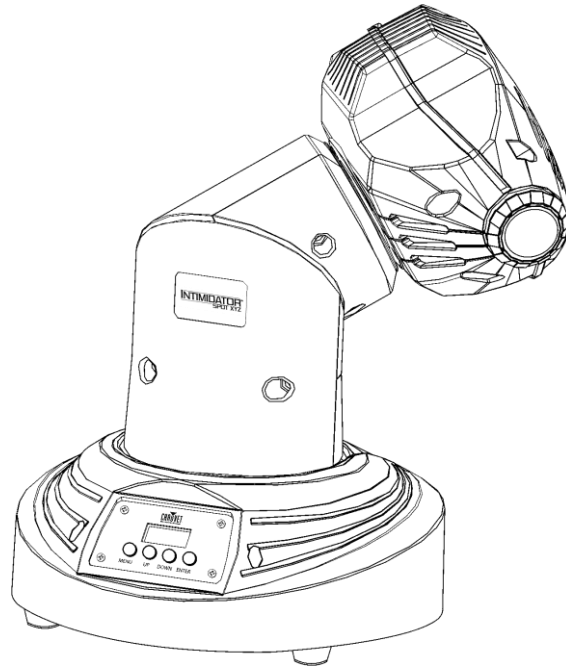


INTIMIDATOR™ SPOT XYZ

Snapshot

Use on Dimmer	⊘
Outdoor Use	⊘
Sound Activated	✓
DMX	✓
Master/Slave	✓
115 V / 230 V Voltage Selection Switch	✓
Replaceable Fuse	✓
User Serviceable	⊘
Duty Cycle	⊘

User Manual



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1. BEFORE YOU BEGIN

What is included

- 1 x Intimidator™ Spot XYZ
- 1 x Mounting bracket and screws
- 1 x Power cable
- 1 x Warranty Card
- 1 x User Manual

Unpacking Instructions

Immediately upon receiving a fixture, carefully unpack the carton, check the contents to ensure that all parts are present, and have been received in good condition. Notify the shipper immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.




Manual Conventions

CHAUVET manuals use the following conventions to differentiate certain types of information from the regular text.

CONVENTION	MEANING
[10]	A DIP switch to be configured
<Menu>	A key to be pressed on the fixture's control panel
1~512	A range of values
50/60	A set of values of which only one can be chosen
Settings	A menu option not to be modified (for example, showing the operating mode/current status)
MENU > Settings	A sequence of menu options to be followed
ON	A value to be entered or selected

Icons

This manual uses the following icons to indicate information that requires special attention on the part of the user.

ICONS	MEANING
	This paragraph contains critical installation, configuration or operation information. Failure to comply with this information may render the fixture partially or completely inoperative, cause damage to the fixture or cause harm to the user.
	This paragraph contains important installation or configuration information. Failure to comply with this information may prevent the fixture from functioning correctly.
	This paragraph reminds you of useful, although not critical, information.

Safety Instructions



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

- Please keep this User Manual for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- 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 20 in (50 cm) from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Always disconnect from power source before servicing or replacing fuse and be sure to replace with same fuse source.
- Secure fixture to fastening device using a safety chain.
- Maximum ambient temperature (Ta) is 104° F (40° C). Do not operate fixture at temperatures higher than this.
- 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.
- 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.
- Never carry the fixture directly from the cord. Always use the hanging/mounting bracket.
- Avoid direct eye exposure to the light source while it is on.
- Never carry the fixture by holding the head. Always use the carrying handle.

2. INTRODUCTION

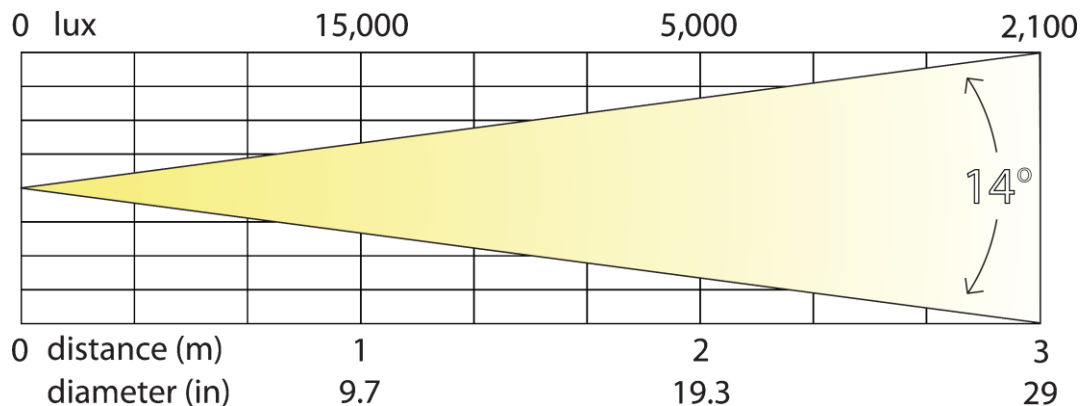
Features

- 11 or 16-channel DMX moving yoke
- Pan #1: 540° / pan #2: 540° / tilt: 540°
- Color wheel
 - 7 colors + white
 - Split colors
 - Rainbow color spin at variable speeds
- Rotating gobo wheel with gobo shake
 - 7 interchangeable gobos + open
 - 5 metal, 2 glass installed
 - Rotating gobo wheel spin at variable speeds
- 3-facet prism
- Variable electronic shutter (for strobing)
- Variable motorized focus
- Variable electronic dimmer (0 – 100%)
- Remote fixture reset & vector speed channel
- Individual reset of pan/tilt, color, gobo, prism, focus
- Move-in-black for pan/tilt, color, gobo
- Built-in movement macros via DMX (automated and sound)

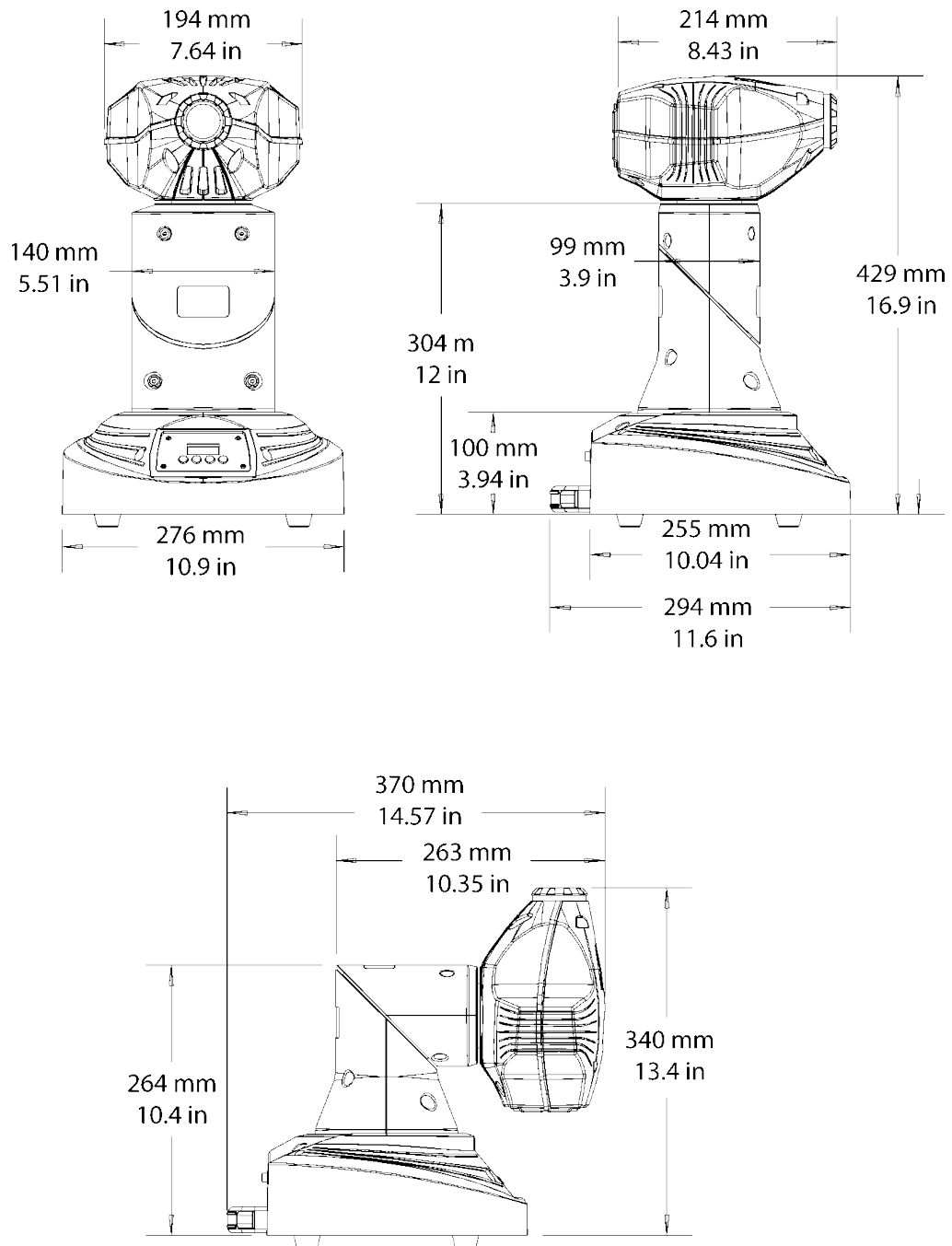
Additional Features

- Built-in automated programs via master/slave
- Built-in sound-active programs via master/slave
- High-power, 60 W, 14.9 A LED
- User-selectable pan/tilt ranges
 - Pan: 540°, 360°, 180°
 - Tilt: 270°, 180°, 90°
- Automatic pan & tilt correction
- User-selectable basic or advanced operating modes
- Additional power output: max 4 units

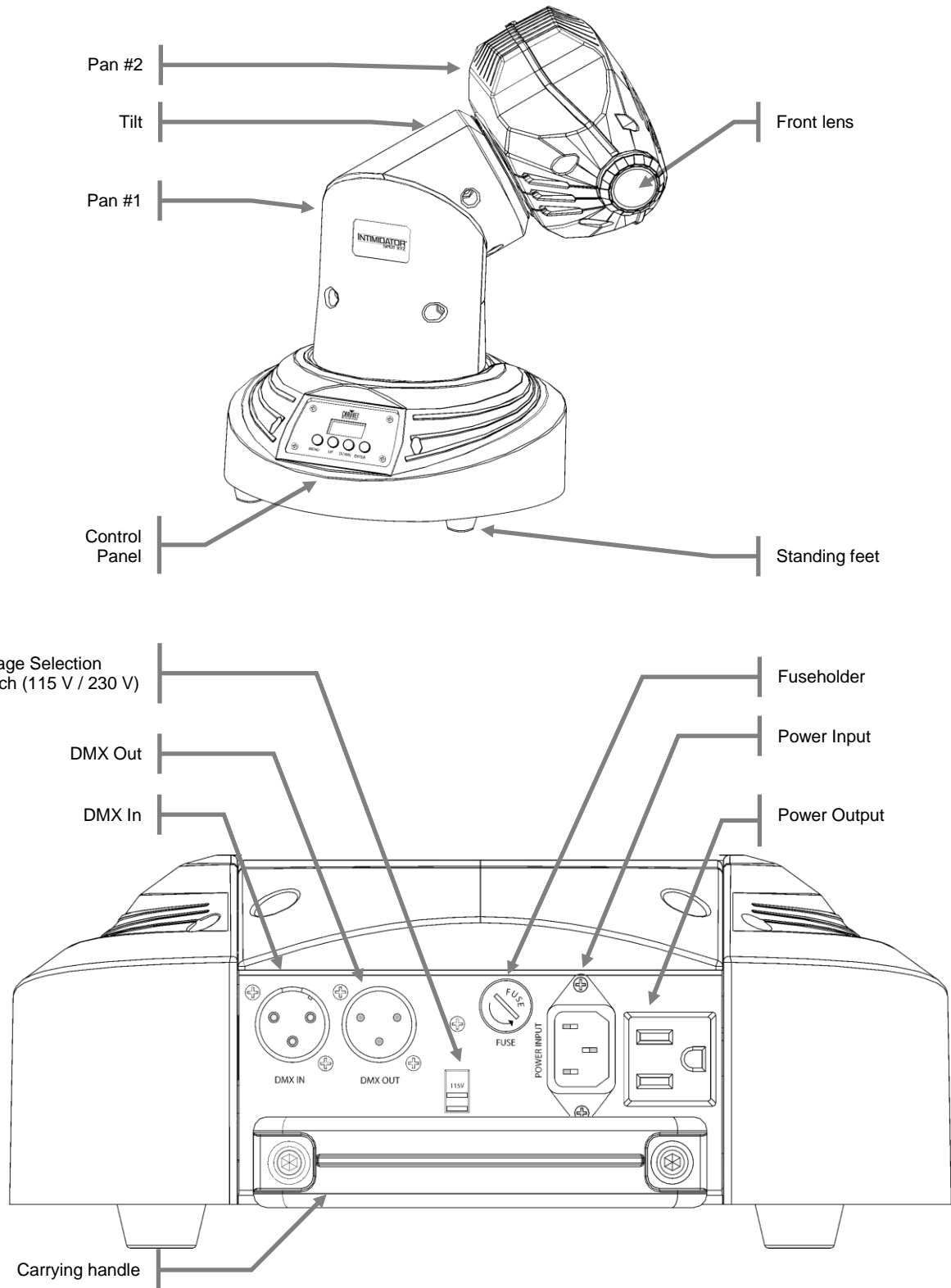
Photometrics



Product Dimensions



Product Overview



3. SETUP

AC Power

This fixture runs on 115V or 230 VAC, 50/60 Hz. Before powering on the unit, make sure the line voltage to which you are connecting it to matches the current selection on the voltage selection switch.



Always connect the fixture to a switched circuit. Never connect the fixture to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used only as a 0 to 100% switch.

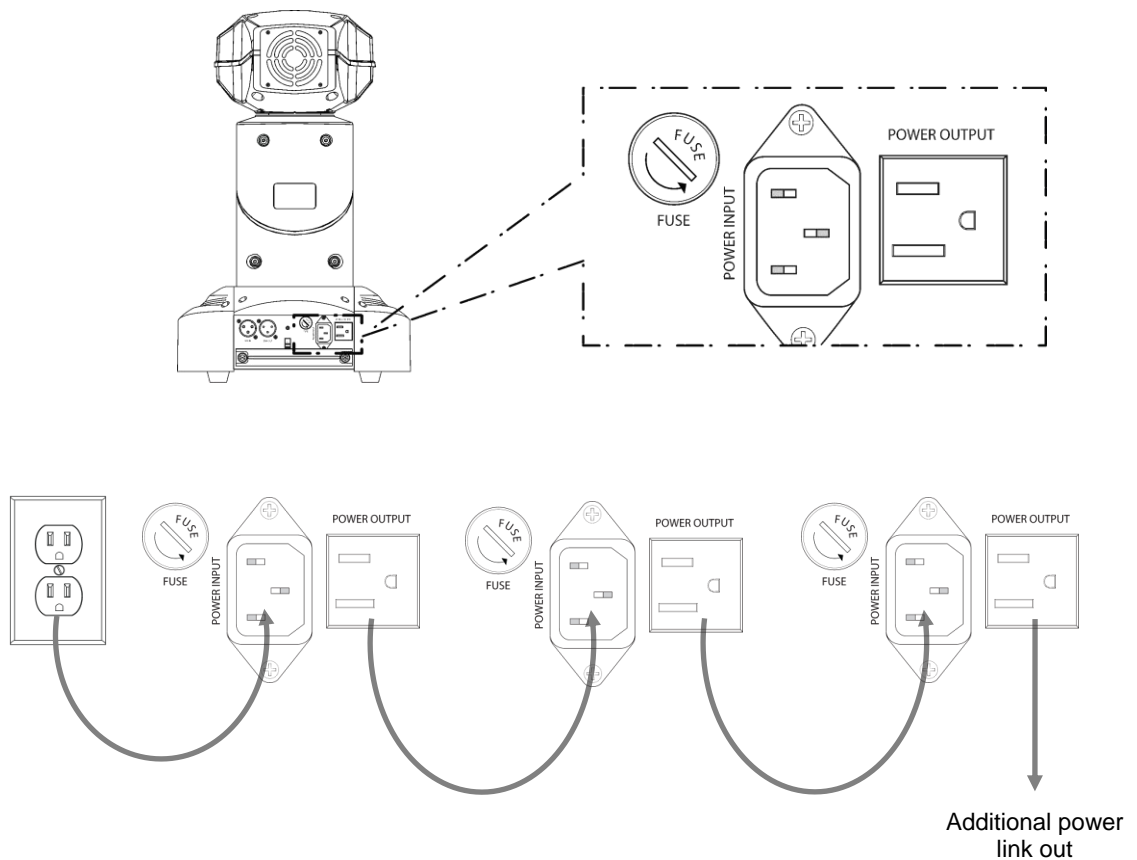
Always connect the fixture to a circuit with a suitable electrical ground.



The maximum quantity of fixtures that may be linked is 4.

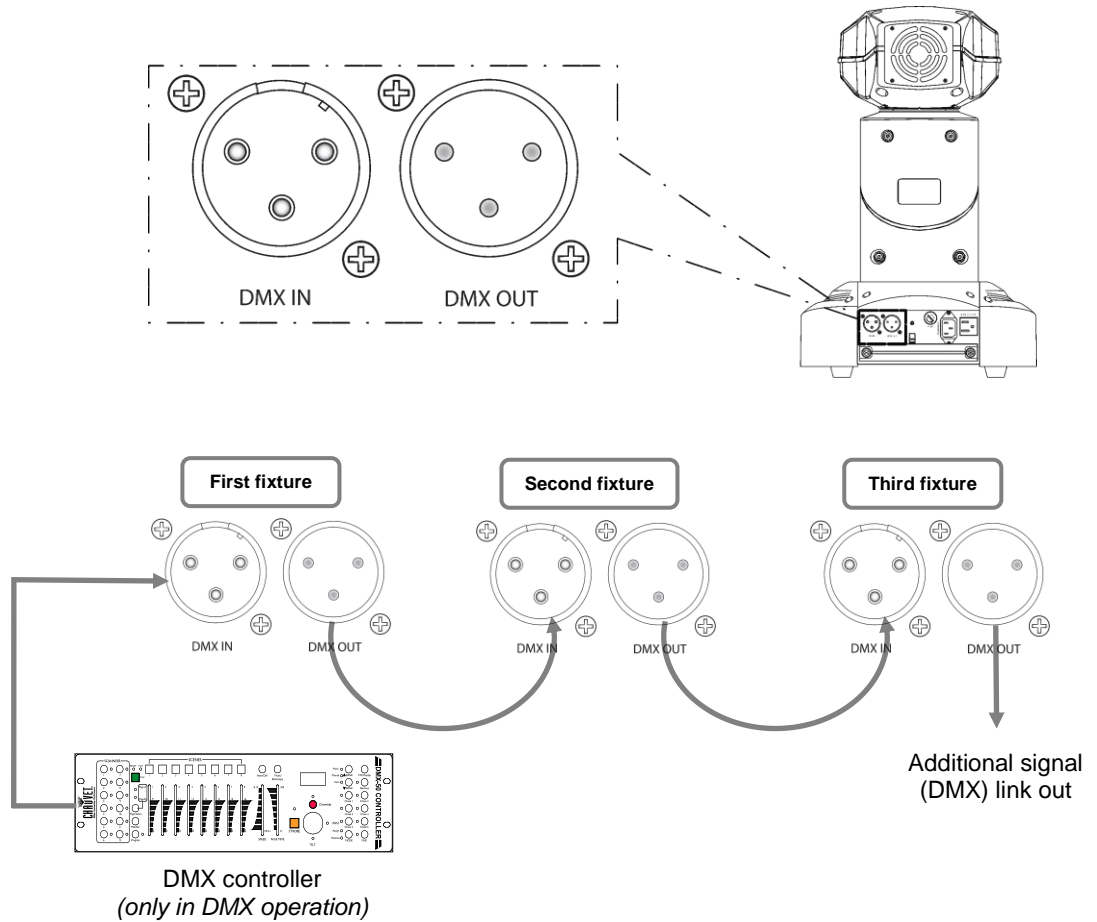
Power Linking

This fixture contains power linking via the edison outlet located in front of the power input cable. Please see the diagram below for further explanation.



Signal Linking (DMX)

The diagrams below illustrate the signal (DMX) linking for this fixture. This is used both in DMX mode and when operating the fixtures in Master/Slave mode. Please see the diagram below for further explanation.



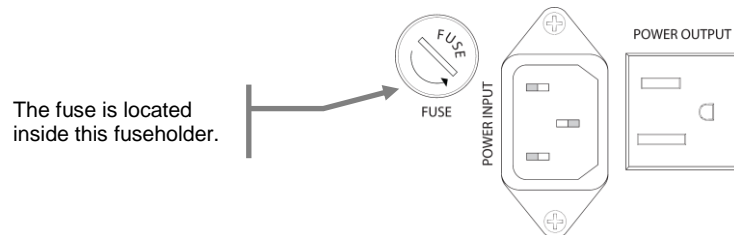
Fuse Replacement



Disconnect the power cord before replacing a fuse and always replace with the same type fuse.



With a flat head screwdriver unscrew the fuse holder out of its housing, turning counter-clockwise. 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.



Mounting

Orientation

The Intimidator™ Spot XYZ may be mounted in any safe position provided there is adequate room for ventilation.

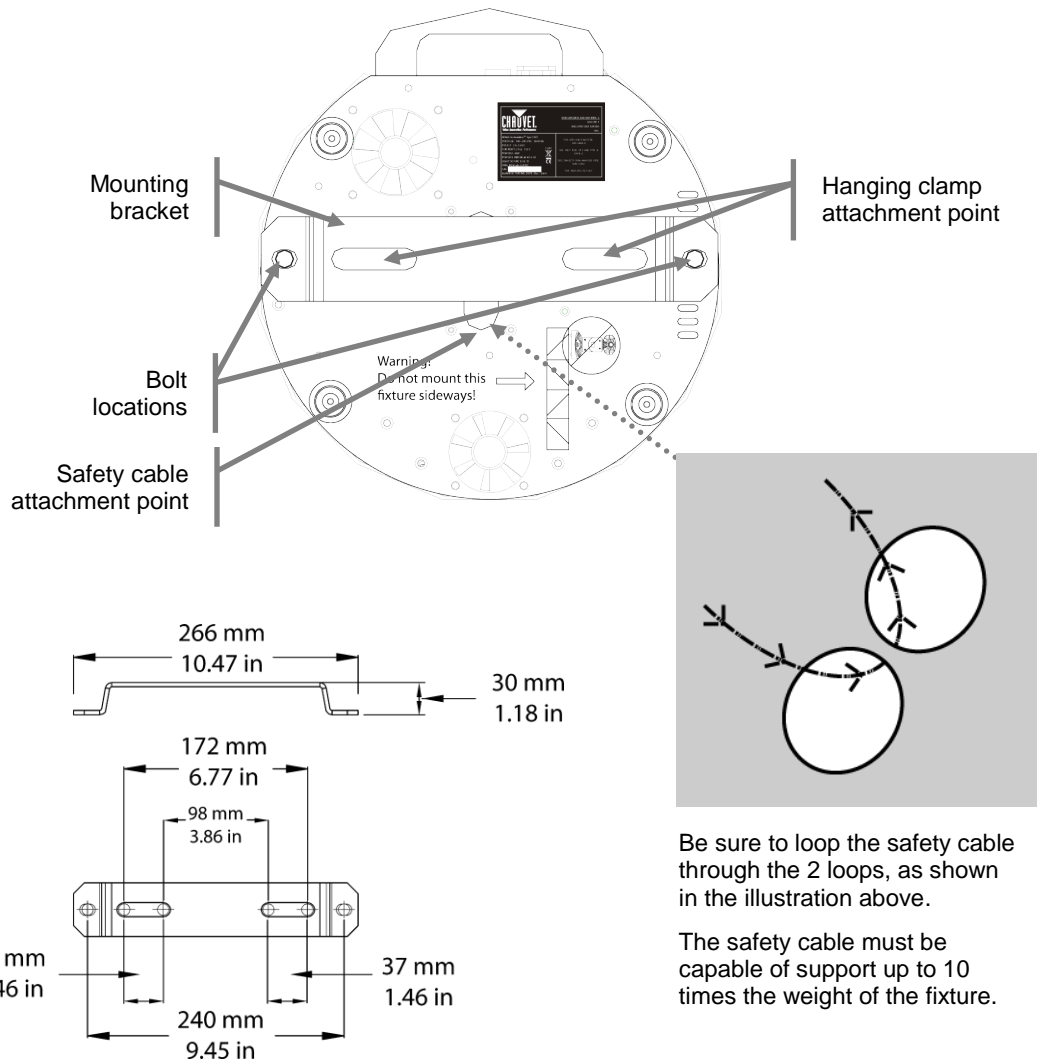
Rigging

Be sure that the structure can support 10 times the weight of the fixture. Please see the "Technical Specifications" section of this manual for a detailed weight listing. Mount the fixture securely. Two hanging clamps for truss mounting may be used, or nuts and bolts for permanent installation may be used. The holes in each bracket are 13 mm in size. When rigging, consider routine maintenance and control panel access. Please see the following steps for installation.

- If the power link out is intended to be used with multiple fixture, take into account the length of each power cable, and mount the fixtures close enough to one another to accommodate for this.
- Attach both included bolts in the locations indicated below, using a metric 8 mm Allen wrench.
- Attached 2 hanging clamps to the bracket in each of the two locations indicated below
- Safety cables must always be used.



Do NOT mount this fixture sideways!



4. OPERATING INSTRUCTIONS

Configuring the Starting Address

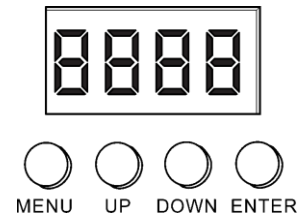
Each fixture requires a starting address from 1~512. A fixture requiring one or more channels for control begins to read the data on the channel indicated by the starting address. For example, a fixture that uses seven DMX channels and is addressed to start on DMX channel 100, will read data from channels: 100, 101, 102, 103, 104, 105 and 106. Choose the starting addresses for each fixture so that the channels used do not overlap. In addition, you should note the starting address selected for future reference.

The Intimidator™ Spot XYZ fixture uses eleven or sixteen DMX channels. If this is your first time using DMX, we recommend reading the “DMX Primer” section in the “Appendix”.

Control Panel Functions

Access control panel functions using the four buttons located directly underneath the LED display on the included wired remote.

BUTTON	FUNCTION
<MENU>	Used to scroll through the current operating mode, as well as back out of the current menu option
<DOWN>	Used to select decreasing advancement in the value
<UP>	Used to select increasing advancement in the value
<ENTER>	Used to select a value and store it to memory



The Control Panel shows the current state of the unit. It is used to select the operating mode, as well as the sub-features. For a detailed layout of the control panel functions, please see the “menu map” section on the following page.

Menu Map

SELECTION	MODE DISPLAY	SELECTION	INSTRUCTION
d001		d001~d512	Set the DMX starting address
nASL			Standalone-Slow: <i>selection</i>
	SLoU		Standalone-Slow: <i>mode display</i>
nAFA			Standalone-Fast: <i>selection</i>
	FASt		Standalone-Fast: <i>mode display</i>
nStS			Standalone-Sound: <i>selection</i>
	SRUn		Standalone-Sound: <i>mode display</i>
SLA0			Standalone-Slave: <i>selection</i> Sets the fixture to respond to another fixture set to master
	SoN		Standalone-Slave: <i>mode display</i> Sets the fixture to respond to another fixture set to master
PRn			Pan #1 Invert: <i>selection</i>
	rPRn		Pan #1 Invert: <i>mode display</i>
tHd			Pan #2 Invert: <i>selection</i>
	rtHd		Pan #2 Invert: <i>mode display</i>
tIt			Tilt Invert: <i>selection</i>
	rtIt		Tilt Invert: <i>mode display</i>
d.S			Display Invert: <i>selection</i>
	rd.S		Display Invert: <i>mode display</i>
16CH			Channel Personality (Advanced)
11CH			Channel Personality (Basic)
PA54			Pan #1 540°
PA36			Pan #1 360°
PA18			Pan #1 180°
tH54			Pan #2 540°
tH36			Pan #2 360°
tH18			Pan #2 180°
t.54			Tilt 540°
t.36			Tilt 360°
t.18			Tilt 180°
rEst			Reset
LoAd			Load Default

DMX Operation

This is the operating mode which will allow for control with an external DMX controller. You must set the starting address for this mode. If this is your first time using DMX, then it is recommended that you refer to the "DMX Primer" section in the "Appendix" of this manual.

1. Press <MENU> until **d00 1** appears on the LED screen.
2. Press <ENTER>.
3. Using <UP> and <DOWN>, select the desired DMX address (*d00 1~d5 12*).
4. Press <ENTER>.

Menu Map (Service)

This fixture has a hidden menu. The purpose of this menu is to adjust the home position (electronic adjustment) of the attributes listed below.

MAIN FUNCTION	SELECTION	INSTRUCTION
P 128	000~255	Adjustment for Pan #1
T 128	000~255	Adjustment for Tilt
H 128	000~255	Adjustment for Pan #2
C 128	000~255	Adjustment for the Color Wheel
G 128	000~255	Adjustment for the Gobo Wheel

Please see the instructions below to access this hidden menu:

1. Press <MENU> for at least 10 seconds.
2. Using <UP/DOWN>, enter the following pass code: "2323". Press <UP> to change the blinking digit in ascending order, and press <DOWN> to move on to the next digit.
3. Press <ENTER>.



This mode will be automatically terminated after 10 seconds of being idle.



*These settings are set to 128 by default. The **LoAd** option in the control panel will not affect these settings.*

Standalone Operation

Automatic Fast

This fixture has preprogrammed fast chases. These are accessed via the control panel. Please see the instructions below for further explanation.

1. Press <MENU> until **NAFA**, **NSFS**, **NASL**, or **SLAU** appears on the LED screen.
2. Press <ENTER>.
3. Using <UP> and <DOWN>, select **NAFA**.
4. Press <ENTER> to confirm settings.

Automatic Slow

This fixture has preprogrammed slow chases. These are accessed via the control panel. Please see the instructions below for further explanation.

1. Press <MENU> until **NAFA**, **NSFS**, **NASL**, or **SLAU** appears on the LED screen.
2. Press <ENTER>.
3. Using <UP> and <DOWN>, select **NASL**.
4. Press <ENTER> to confirm settings.

Sound-Active

This fixture has preprogrammed sound triggered chases. These are accessed via the control panel. Please see the instructions below for further explanation.

1. Press <MENU> until **NAFA**, **NSFS**, **NASL**, or **SLAU** appears on the LED screen.
2. Press <ENTER>.
3. Using <UP> and <DOWN>, select **NSFS**.
4. Press <ENTER> to confirm settings.

Master/Slave

This is the operating mode which will allow one fixture to act as the “master” and control all of the other “slave” fixtures. You must set both the master and the slave(s) fixtures to the correct mode for this operation.

Please see the diagram below on the connections for your fixtures, as well as the setting to assign in the control panel.



It is not necessary to arrange the master fixture as the first fixture in the daisy chain. It may be any fixture in the daisy chain. For example: fixture 2, 5, 10 or 12, etc.



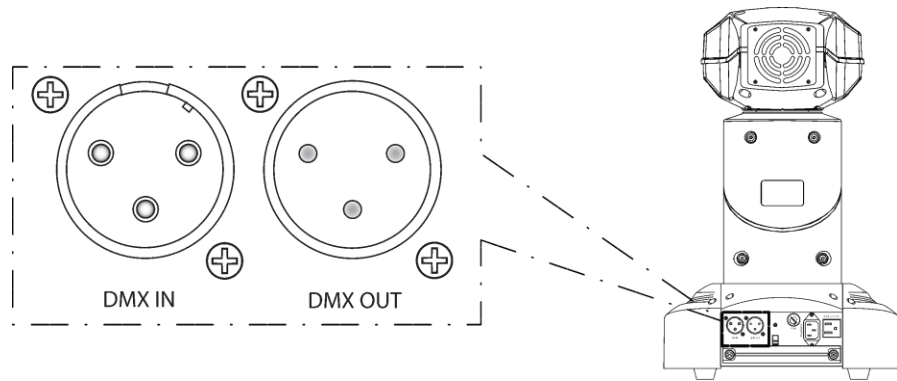
Only 1 fixture may be set to master.



Do not connect a DMX controller to the daisy chain for this operating mode.



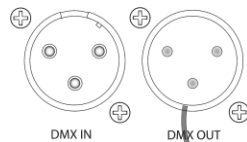
In order to mirror one fixture to another, you may invert the pan and tilt on the mirrored fixture.



Set this fixture to either

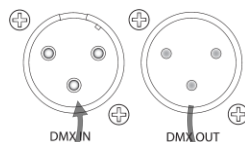
MASTL or **MAFA** or
MAES mode

Master



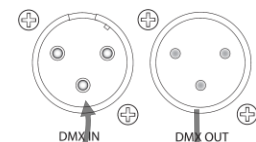
Set this fixture to
SLAVE mode

Slave



Set this fixture to
SLAVE mode

Slave



Additional signal
(DMX) link out

DMX Channel Values

Advanced Mode (16-channel)

CHANNEL	VALUE	FUNCTION
1	000 ⇔ 255	Pan 1 0° ⇔ 540°
2	000 ⇔ 255	Tilt 0° ⇔ 270°
3	000 ⇔ 255	Pan 2 0° ⇔ 540°
4	000 ⇔ 255	Pan 1 fine 0° ⇔ 3°
5	000 ⇔ 255	Tilt fine 0° ⇔ 3°
6	000 ⇔ 255	Pan 2 fine 0° ⇔ 3°
7	000 ⇔ 255	Pan/tilt speed Fast ⇔ Slow
8	000 ⇔ 007	Color Wheel White (open)
	008 ⇔ 015	Blue
	016 ⇔ 023	Yellow
	024 ⇔ 031	Peachblow
	032 ⇔ 039	Green
	040 ⇔ 047	Pink
	048 ⇔ 055	Cyan
	056 ⇔ 063	Orange
	064 ⇔ 071	White + Blue
	072 ⇔ 079	Blue + Yellow
	080 ⇔ 087	Yellow + Peachblow
	088 ⇔ 095	Peachblow + Green
	096 ⇔ 103	Green + Pink
	104 ⇔ 111	Pink + Cyan
112 ⇔ 119	Cyan + Orange	
120 ⇔ 127	Orange + White	
128 ⇔ 191	Rotating clockwise with increasing speed	
192 ⇔ 255	Rotating counter-clockwise with increasing speed	
9	000 ⇔ 003	Shutter Shutter closed
	004 ⇔ 007	Open
	008 ⇔ 215	Strobe (slow ⇔ fast)
	216 ⇔ 255	Open
10	000 ⇔ 255	Dimmer Closed ⇔ Open
11	000 ⇔ 007	Gobo Wheel Open
	008 ⇔ 015	Gobo 1 (glass)
	016 ⇔ 023	Gobo 2 (glass)
	024 ⇔ 031	Gobo 3
	032 ⇔ 039	Gobo 4
	040 ⇔ 047	Gobo 5
	048 ⇔ 055	Gobo 6
	056 ⇔ 063	Gobo 7
	064 ⇔ 071	Gobo 7 shake, fast to slow
	072 ⇔ 079	Gobo 6 shake, fast to slow
	080 ⇔ 087	Gobo 5 shake, fast to slow
	088 ⇔ 095	Gobo 4 shake, fast to slow
	096 ⇔ 103	Gobo 3 shake, fast to slow
	104 ⇔ 111	Gobo 2 (glass) shake, (fast ⇔ slow)
	112 ⇔ 119	Gobo 1 (glass) shake, (fast ⇔ slow)
	120 ⇔ 127	Open
	128 ⇔ 191	Gobo scroll: Clockwise rotation
192 ⇔ 255	Gobo scroll: Counter-clockwise rotation	

CHANNEL	VALUE	FUNCTION
12	000 ⇔ 015	Gobo Rotation Stop
	016 ⇔ 127	Rotate Counter-clockwise (slow ⇔ fast)
	128 ⇔ 239	Rotate Clockwise (slow ⇔ fast)
	240 ⇔ 255	Gobo bounce
13	000 ⇔ 007	Function No function
	008 ⇔ 015	Pan/tilt move-in-black
	016 ⇔ 023	Pan/tilt move-in-black (disable)
	024 ⇔ 031	Color wheel move-in-black
	032 ⇔ 039	Color wheel move-in-black (disabled)
	040 ⇔ 047	Gobo wheel move-in-black
	048 ⇔ 055	Gobo wheel move-in-black (disabled)
	056 ⇔ 087	No Function
	088 ⇔ 095	All movement move-in-black (disabled)
	096 ⇔ 103	Reset pan/tilt
	104 ⇔ 111	No Function
	112 ⇔ 119	Reset color wheel
	120 ⇔ 127	Reset gobo wheel
	128 ⇔ 135	No Function
	136 ⇔ 143	Reset prism
	144 ⇔ 151	Reset focus
152 ⇔ 159	Reset all	
160 ⇔ 255	No function	
14	000 ⇔ 007	Movement Macros No function
	008 ⇔ 023	Automatic 1
	024 ⇔ 039	Automatic 2
	040 ⇔ 055	Automatic 3
	056 ⇔ 071	Automatic 4
	072 ⇔ 087	Automatic 5
	088 ⇔ 103	Automatic 6
	104 ⇔ 119	Automatic 7
	120 ⇔ 135	Automatic 8
	136 ⇔ 151	Sound 1
	152 ⇔ 167	Sound 2
	168 ⇔ 183	Sound 3
	184 ⇔ 199	Sound 4
	200 ⇔ 215	Sound 5
216 ⇔ 231	Sound 6	
232 ⇔ 247	Sound 7	
248 ⇔ 255	Sound 8	
15	000 ⇔ 007	Prism Open
	008 ⇔ 255	Stop, static prism effect
16	0 ⇔ 255	Focus Near ⇔ Far



1



2



3



4



5



6



7

Basic Mode (11-channel)

CHANNEL	VALUE	FUNCTION	CHANNEL	VALUE	FUNCTION
1	000 ⇔ 255	Pan 1 0° ⇔ 540°	7	000 ⇔ 015 016 ⇔ 127 128 ⇔ 239 240 ⇔ 255	Gobo Rotation Stop Rotate Counter-clockwise (slow ⇔ fast) Rotate Clockwise (slow ⇔ fast) Gobo bounce
		Tilt 0° ⇔ 270°			
3	000 ⇔ 255	Pan 2 0° ⇔ 540°	8	000 ⇔ 007 008 ⇔ 015 016 ⇔ 023 024 ⇔ 031 032 ⇔ 039 040 ⇔ 047 048 ⇔ 055 056 ⇔ 087 088 ⇔ 095 096 ⇔ 103 104 ⇔ 111 112 ⇔ 119 120 ⇔ 127 128 ⇔ 135 136 ⇔ 143 144 ⇔ 151 152 ⇔ 159 160 ⇔ 255	Function No function Pan/tilt move-in-black Pan/tilt move-in-black (disable) Color wheel move-in-black Color wheel move-in-black (disabled) Gobo wheel move-in-black Gobo wheel move-in-black (disabled) No Function All movement move-in-black (disabled) Reset pan/tilt No Function Reset color wheel Reset gobo wheel No Function Reset prism Reset focus Reset all No function
		Color Wheel White (open) Blue Yellow Peachblow Green Pink Cyan Orange White + Blue Blue + Yellow Yellow + Peachblow Peachblow + Green Green + Pink Pink + Cyan Cyan + Orange Orange + White Rotating clockwise with increasing speed Rotating counter-clockwise with increasing speed			
4	000 ⇔ 007 008 ⇔ 015 016 ⇔ 023 024 ⇔ 031 032 ⇔ 039 040 ⇔ 047 048 ⇔ 055 056 ⇔ 063 064 ⇔ 071 072 ⇔ 079 080 ⇔ 087 088 ⇔ 095 096 ⇔ 103 104 ⇔ 111 112 ⇔ 119 120 ⇔ 127 128 ⇔ 191 192 ⇔ 255	Shutter Shutter closed Open Strobe (slow ⇔ fast) Open	9	000 ⇔ 007 008 ⇔ 023 024 ⇔ 039 040 ⇔ 055 056 ⇔ 071 072 ⇔ 087 088 ⇔ 103 104 ⇔ 119 120 ⇔ 135 136 ⇔ 151 152 ⇔ 167 168 ⇔ 183 184 ⇔ 199 200 ⇔ 215 216 ⇔ 231 232 ⇔ 247 248 ⇔ 255	Movement Macros No function Automatic 1 Automatic 2 Automatic 3 Automatic 4 Automatic 5 Automatic 6 Automatic 7 Automatic 8 Sound 1 Sound 2 Sound 3 Sound 4 Sound 5 Sound 6 Sound 7 Sound 8
		Gobo Wheel Open Gobo 1 (glass) Gobo 2 (glass) Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 7 shake, fast to slow Gobo 6 shake, fast to slow Gobo 5 shake, fast to slow Gobo 4 shake, fast to slow Gobo 3 shake, fast to slow Gobo 2 (glass) shake, (fast ⇔ slow) Gobo 1 (glass) shake, (fast ⇔ slow) Open Gobo scroll: Clockwise rotation Gobo scroll: Counter-clockwise rotation			
5	000 ⇔ 003 004 ⇔ 007 008 ⇔ 215 216 ⇔ 255	Gobo Wheel Open Gobo 1 (glass) Gobo 2 (glass) Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 7 shake, fast to slow Gobo 6 shake, fast to slow Gobo 5 shake, fast to slow Gobo 4 shake, fast to slow Gobo 3 shake, fast to slow Gobo 2 (glass) shake, (fast ⇔ slow) Gobo 1 (glass) shake, (fast ⇔ slow) Open Gobo scroll: Clockwise rotation Gobo scroll: Counter-clockwise rotation	10	000 ⇔ 007 008 ⇔ 255	Prism Open Stop, static prism effect
		Shutter Shutter closed Open Strobe (slow ⇔ fast) Open			
6	000 ⇔ 007 008 ⇔ 015 016 ⇔ 023 024 ⇔ 031 032 ⇔ 039 040 ⇔ 047 048 ⇔ 055 056 ⇔ 063 064 ⇔ 071 072 ⇔ 079 080 ⇔ 087 088 ⇔ 095 096 ⇔ 103 104 ⇔ 111 112 ⇔ 119 120 ⇔ 127 128 ⇔ 191 192 ⇔ 255	Gobo Wheel Open Gobo 1 (glass) Gobo 2 (glass) Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 7 shake, fast to slow Gobo 6 shake, fast to slow Gobo 5 shake, fast to slow Gobo 4 shake, fast to slow Gobo 3 shake, fast to slow Gobo 2 (glass) shake, (fast ⇔ slow) Gobo 1 (glass) shake, (fast ⇔ slow) Open Gobo scroll: Clockwise rotation Gobo scroll: Counter-clockwise rotation	11	0 ⇔ 255	Focus Near ⇔ Far
		Gobo Wheel Open Gobo 1 (glass) Gobo 2 (glass) Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 7 shake, fast to slow Gobo 6 shake, fast to slow Gobo 5 shake, fast to slow Gobo 4 shake, fast to slow Gobo 3 shake, fast to slow Gobo 2 (glass) shake, (fast ⇔ slow) Gobo 1 (glass) shake, (fast ⇔ slow) Open Gobo scroll: Clockwise rotation Gobo scroll: Counter-clockwise rotation			



5. APPENDIX

DMX Primer

There are 512 channels in a DMX connection. Channels may be assigned in any manner. A fixture capable of receiving DMX will require one or a number of sequential channels. The user must assign a starting address on the fixture that indicates the first channel reserved in the controller. There are many different types of DMX controllable fixtures and they all may vary in the total number of channels required. Choosing a start address should be planned in advance. Channels should never overlap. If they do, this will result in erratic operation of the fixtures whose starting address is set incorrectly. You can however, control multiple fixtures of the same type using the same starting address as long as the intended result is that of unison movement or operation. In other words, the fixtures will be slaved together and all respond exactly the same.

DMX fixtures are designed to receive data through a serial Daisy Chain. A Daisy Chain connection is where the DATA OUT of one fixture connects to the DATA IN of the next fixture. The order in which the fixtures are connected is not important and has no effect on how a controller communicates to each fixture. Use an order that provides for the easiest and most direct cabling. Connect fixtures using shielded two conductor twisted pair cable with three pin XLR male to female connectors. The shield connection is pin 1, while pin 2 is Data Negative (S-) and pin 3 is Data positive (S+).

General Maintenance

To maintain optimum performance and minimize wear, fixtures should be cleaned frequently. Usage and environment are contributing factors in determining frequency. As a general rule, fixtures should be cleaned at least twice a month. Dust build up reduces light output performance and can cause overheating. This can lead to reduced lamp life and increased mechanical wear. Be sure to power off fixture before conducting maintenance.

- Unplug fixture from power.
- Use a vacuum or air compressor and a soft brush to remove dust collected on external vents.
- Clean all glass when the fixture is cold with a mild solution of glass cleaner or Isopropyl Alcohol and a soft lint free cotton cloth or lens tissue.
- Apply solution to the cloth or tissue and drag dirt and grime to the outside of the lens.
- Gently polish optical surfaces until they are free of haze and lint.

The cleaning of external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates. Damp, smoky or particularly dirty surroundings can cause greater accumulation of dirt on the unit's optics. Clean with soft cloth using normal glass cleaning fluid. Clean the external optics at least every 20 days. Clean the fixture at least every 30/60 days.



Always dry the parts carefully after cleaning them.



Never spin a fan using compressed air.

Fixture Linking

You will need a serial data link to run light shows of one or more fixtures using a DMX controller or to run synchronized shows on two or more fixtures set to a 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. To comply with the EIA-485 standard, no more than 32 fixtures should be connected on one data link. 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.

Maximum recommended serial data link distance: 500 m (1640 ft)

Maximum recommended number of fixtures on a serial data link: 32

Data Cabling

To link fixtures together you must obtain data cables. You can purchase CHAUVET certified DMX cables directly from a dealer/distributor or construct your own cable. If you choose to create your own cable please use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.

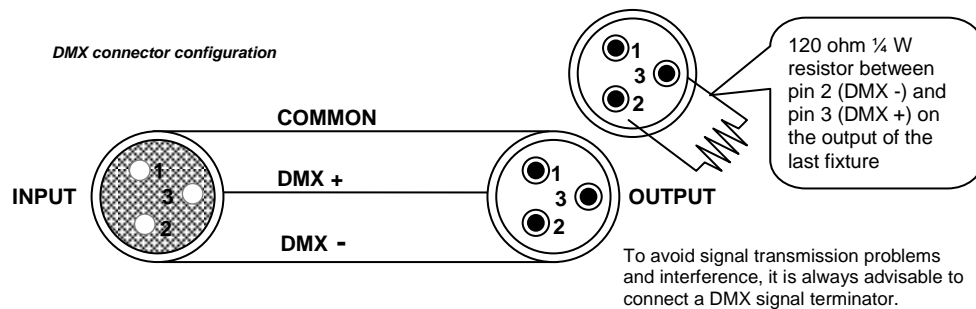
DMX Data Cable

Use a Belden© 9841 or equivalent cable which meets the specifications for EIA RS-485 applications. Standard microphone cables cannot transmit DMX data reliably over long distances. The cable must have the following characteristics:

Type:	shielded, 2-conductor twisted pair
Maximum capacitance between conductors:	30 pF/ft
Maximum capacitance between conductor and shield:	55 pF/ft
Maximum resistance:	20 ohms/1000 ft
Nominal impedance:	100 ~ 140 ohms

Cable Connectors

Cabling must have a male XLR connector on one end and a female XLR connector on the other end.



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 to 5-Pin Conversion Chart

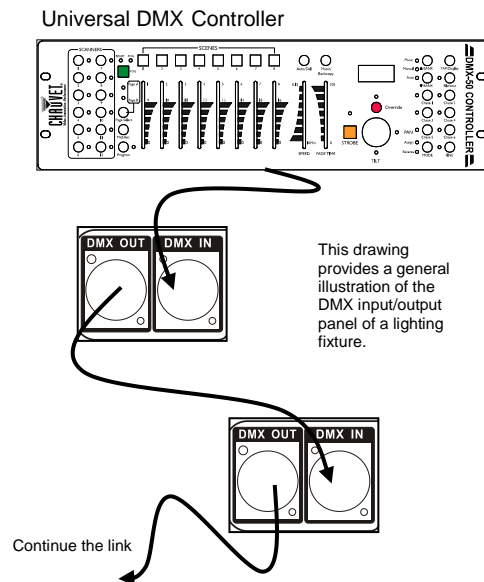


If you use a controller with a 5-pin DMX output connector, you will need to use a 5-pin to 3-pin adapter. The chart below details a proper cable conversion:

3-PIN TO 5-PIN CONVERSION CHART		
Conductor	3-Pin Female (Output)	5-Pin Male (Input)
Ground/Shield	Pin 1	Pin 1
Data (-) signal	Pin 2	Pin 2
Data (+) signal	Pin 3	Pin 3
Not used		Pin 4
Not used		Pin 5

Setting up a DMX Serial Data Link

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



Setting the Starting Address

This DMX mode enables the use of a universal DMX controller device. Each fixture requires a start address from 1-512. A fixture requiring one or more channels for control begins to read the data on the channel indicated by the start address. For example, a fixture that uses six DMX channels and was addressed to start on DMX channel 100, would read data from channels: 100, 101, 102, 103, 104, and 105. Choose start addresses so that the channels used do not overlap, and note the start address selected for future reference.

If this is your first time addressing a fixture using the DMX control protocol, we suggest jumping to the "Appendix" section and reading the heading "DMX Primer". It contains very useful information that will help you understand its use.

General Troubleshooting

SYMPTOM	POSSIBLE CAUSE(S)	POSSIBLE ACTION(S)
Breaker/Fuse keeps blowing	<ul style="list-style-type: none"> Excessive circuit load Short circuit along the power wires 	<ul style="list-style-type: none"> Check total load placed on the electrical circuit. Check for a short in the electrical wiring (internal and/or external)
Device does not power up	<ul style="list-style-type: none"> No power Loose power cord 	<ul style="list-style-type: none"> Check for power on power outlet Check power cord
Fixture is not responding to DMX	<ul style="list-style-type: none"> Wrong DMX addressing Damaged DMX cables Wrong polarity settings on the controller Loose DMX cables Faulty DMX interface Faulty Main PCB 	<ul style="list-style-type: none"> Check Control Panel and unit addressing Check DMX cables Check polarity switch settings on the controller Check cable connections Replace DMX input Replace Main PCB
Loss of signal	<ul style="list-style-type: none"> Non DMX cables Bouncing signals Long cable / Low level signal Too many fixtures Interference from AC wires 	<ul style="list-style-type: none"> Use only DMX compatible cables Install terminator as suggested Install amplifier right after fixture with strong signal Install an optically coupled DMX splitter after unit #32 Keep DMX cables separated from power cables or black lights



If you still have a problem after trying the above solutions, please contact CHAUVET Technical Support.

Contact Us

World Wide

General Information

CHAUVET
3000 North 29th Court
Hollywood, FL 33020
voice: 954.929.1115
fax: 954.929.5560
toll free: 800.762.1084

Technical Support

CHAUVET
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Hollywood, FL 33020
voice: 954.929.1115 **(Press 4)**
fax: 954.929.5560 **(Attention: Service)**

World Wide Web

www.chauvetlighting.com

Returns Procedure

Returned merchandise must be sent prepaid and in the original packing; call tags will not be issued. Package must be clearly labeled with a Return Merchandize Authorization Number (RMA #). Products returned without the RMA # will be refused. Call CHAUVET and request an RMA # prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to pack fixture properly; any shipping damage resulting from inadequate packaging is the customer's responsibility. As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

CHAUVET reserves the right to use its own discretion to repair or replace product(s).



If you are given an RMA #, please include the following information on a piece of paper inside the box:

- 1) Your name
- 2) Your address
- 3) Your phone number
- 4) The RMA #
- 5) A brief description of the symptoms

Claims

Damage incurred in shipping is the responsibility of the shipper; therefore, the damage must be reported to the carrier upon receipt of merchandise. It is the customer's responsibility to notify and submit claims with the shipper in the event that a fixture is damaged due to shipping. Any other claim for items such as missing component/part, damage not related to shipping, and concealed damage, must be made within seven (7) days of receiving merchandise.

Technical Specifications

WEIGHT & DIMENSIONS

Length..... 11.6 in (294 mm)
Width..... 10.9 in (276 mm)
Height 16.9 in (429 mm)
Weight..... 7.6 lbs (3.4 kg)

POWER

Autoswitching Power Supply 100~240 VAC, 50/60 Hz
Power Consumption @ 120 VAC, 60 Hz 148 W (0.1 A) max, 2 A inrush
Power Consumption @ 230 VAC, 50 Hz 144 W (0.5 A) max, 1 A inrush
Power output 4 units max
Fuse..... F 2 A, 250 V

LIGHT SOURCE

LED..... 1 (white) 60 W, 14.9 A, 50,000 hrs

PHOTOPTIC

Luminance @ 1 m..... 15,000 lux
Beam Angle 14°

GOBOS

Outside diameter..... 23.8 mm
Image diameter 20 mm
Maximum thickness..... 2 mm

THERMAL

Maximum ambient temperature..... 104° F (40° C)

ORDERING INFORMATION

Intimidator™ Spot XYZ..... INTIMIDATORSPOTXYZ

WARRANTY INFORMATION

Warranty 2-year limited warranty