

# INTIMIDATOR™ SCAN LED

## Snapshot

Use on Dimmer	⊘
Outdoor Use	⊘
Sound Activated	✓
DMX 512	✓
Master/Slave	✓
Autoswitching Power Supply	✓
Replaceable Fuse	✓
User Serviceable	⊘
Duty Cycle	⊘

## User Manual



3000 N 29<sup>th</sup> Ct, Hollywood, FL 33020 U.S.A.  
(800) 762-1084 – (954) 929-1115  
FAX (954) 929-5560  
[www.chauvetlighting.com](http://www.chauvetlighting.com)

# Table of Contents

<b>1. BEFORE YOU BEGIN.....</b>	<b>1</b>
WHAT IS INCLUDED .....	1
UNPACKING INSTRUCTIONS .....	1
SYMBOLS.....	1
AC POWER .....	1
SAFETY INSTRUCTIONS.....	2
<b>2. INTRODUCTION .....</b>	<b>2</b>
CONTROL FEATURES .....	2
GENERAL FEATURES.....	2
OPTIONS.....	2
PRODUCT OVERVIEW .....	2
DMX CHANNEL SUMMARY.....	4
<b>3. SETUP .....</b>	<b>4</b>
LIGHT SOURCE .....	4
MANUAL FOCUSING .....	4
FUSE REPLACEMENT .....	4
FIXTURE LINKING.....	5
<i>DMX Data Cable</i> .....	5
<i>Cable Connectors</i> .....	5
<i>3-Pin to 5-Pin Conversion Chart</i> .....	6
<i>Setting up a DMX Serial Data Link</i> .....	6
<i>Master/Slave Fixture Linking</i> .....	6
MOUNTING .....	7
<i>Orientation</i> .....	7
<i>Rigging</i> .....	7
<b>4. OPERATING INSTRUCTIONS .....</b>	<b>8</b>
OPERATING MODES.....	8
<i>Stand-alone</i> .....	8
<i>Master/Slave</i> .....	8
<i>DMX Mode</i> .....	8
USING DMX MODE.....	8
<i>DMX Channel Values</i> .....	9
<i>Setting the Starting Address</i> .....	10
<i>DMX Quick Reference Chart</i> .....	11
CA-9 EASY CONTROLLER (OPTIONAL).....	12
GENERAL TROUBLESHOOTING .....	13
CONTACT US.....	14
<b>5. APPENDIX .....</b>	<b>14</b>
DMX PRIMER .....	14
GENERAL MAINTENANCE .....	15
RETURNS PROCEDURE.....	15
CLAIMS .....	15
TECHNICAL SPECIFICATIONS .....	16

# 1. BEFORE YOU BEGIN

## What is included

- 1 x Intimidator™ Scan LED
- 1 x Power Cord
- 1 x Warranty Card
- 1 x User manual

## Unpacking Instructions

Immediately upon receiving the fixture, carefully unpack the carton, check the contents to ensure that all parts are present and that have arrived 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 the fixture must be returned to the factory, it must be returned in the original factory box and packing.

## Symbols



This paragraph contains critical installation, configuration or operation information. Failure to comply with this information may render the system partially or completely inoperative, cause damage to the system or cause harm to the operator/user/technician



This paragraph contains important installation or configuration information. Failure to comply with this information may prevent the system from functioning correctly.



This paragraph reminds you of useful, although not critical, information.

## AC Power

This fixture has an auto-switching power supply that can accommodate a wide range of input voltages (100 V - 240 VAC, 50/60 Hz). Before powering on the unit, make sure the line voltage to which you are connecting it is within the range of accepted voltages.



**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.**

To determine the power requirements for a particular fixture, see the label affixed to the back plate of the fixture or refer to the fixture's specifications chart. A fixture's listed current rating indicates its average current draw under normal conditions.

Before applying power to a fixture, check that the source voltage matches the fixture's requirement. Check the fixture or device carefully to make sure that if a voltage selection switch exists, it is set to the correct line voltage you will use.



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

# Safety Instructions



**Please read these instructions carefully, which include 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 User Manual.
- This product is 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.
- 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.
- Make sure the power cord is not 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.
- Do not daisy chain power to more than 20 units @ 120 V.



**There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs. In the unlikely event that your unit may require service, please contact CHAUVET at 954-929-1115.**

## 2. INTRODUCTION

### Features

- 5-channel DMX-512 LED scanner
- Pan: 180° / tilt: 90°
- Color wheel
  - 11 colors + white
  - 1 quad color, 1 tri color
  - Rainbow color spin effect
- Gobo wheel with Gobo shake
  - 14 gobos + open
  - 12 metal, 2 glass installed
  - Gobo wheel spin effect

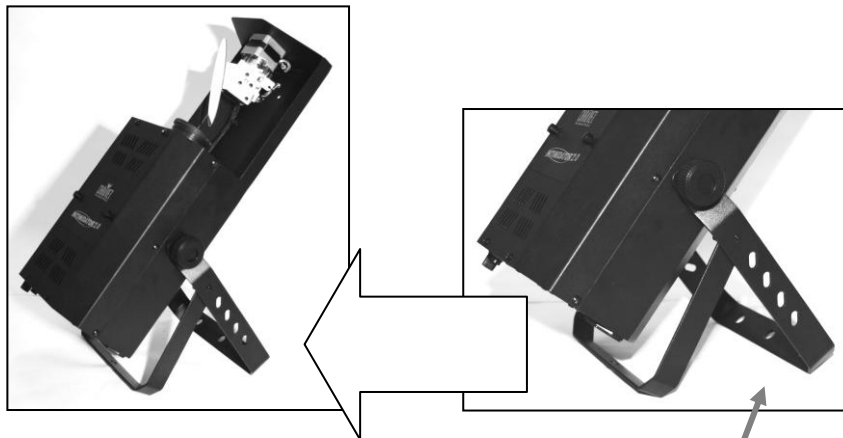
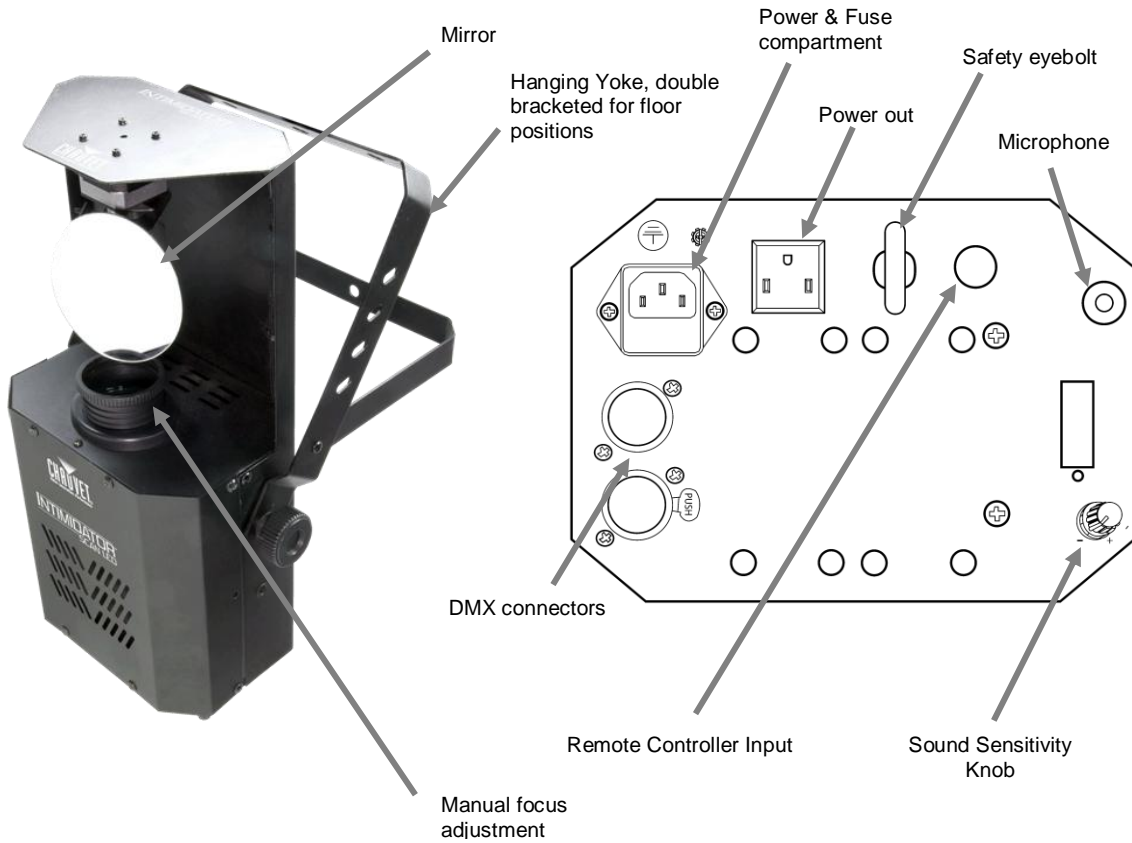
### Additional Features

- High-power, 22W (1,360mA) LED
- Additional power output: max 20 units @ 120V (see manual for details)
- Built-in automated programs via master/slave
- Built-in sound activated programs via master/slave
- Double bracket yoke doubles as floor stand
- Automatically enters stand alone when no DMX signal is present

### Options

Easy Controller (CA-8 or CA-9)

# Product Overview



Double-bracketed yoke used for floor positions.

# DMX Channel Summary

CHANNEL	FUNCTION
1	Strobe
2	Gobo
3	Color
4	Pan
5	Tilt

## 3. SETUP

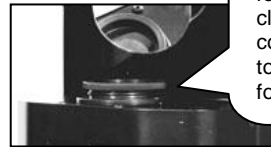
### Light Source

The fixture does not use a halogen lamp as its light source. Instead, it uses a high luminosity LED, which comes preinstalled, and does not need to be setup or replaced.

### Manual Focusing

To adjust the focus, please follow the instructions below:

- 1) If operating in stand-alone mode, turn the music down so that the unit temporarily stops any activity.
- 2) In DMX control mode, create a static scene with any gobo of your choice pointed to a flat surface, ideally at a halfway point of the fixture's total coverage area.
- 3) Rotate the manual focus either clockwise or counter-clockwise until the spot is defined by a hard edge.



Rotate manual focus adjustment clockwise and counter-clockwise to achieve desired focus.

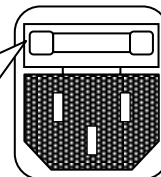
### Fuse Replacement



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

With a flat head screwdriver, wedge the fuse holder out of its housing. Remove the blown fuse from its holder and replace with the exact same type of fuse. Insert the fuse holder back in its place and reconnect power.

The fuse is located inside this compartment. Remove using a flat head screwdriver.



# Fixture Linking

You will need a serial data link to run light shows of one or more fixtures using a DMX-512 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 devices should be connected on one data link. Connecting more than 32 fixtures on one serial data link without the use of an optically isolated DMX splitter may result in deterioration of the digital DMX signal.**

*Maximum recommended serial data link distance: 500 meters (1640 ft.)*

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

## DMX Data Cable

To link two or more fixtures together you must use DMX compliant 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. 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*

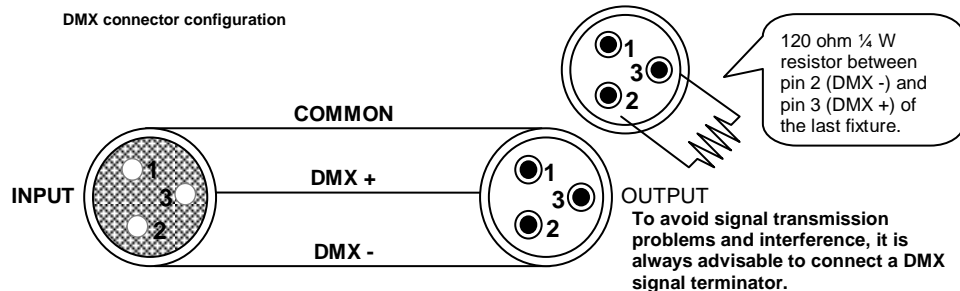
*Maximum capacitance between conductors: 30 pF/ft.*

*Maximum capacitance between conductor and shield: 55 pF/ft.*

*Maximum resistance: 20 ohms / 1000 ft.*

*Nominal impedance: 100 – 140 ohms*

## Cable Connectors



**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 the cables with an ohmmeter to verify correct polarity and to make sure the pins are not grounded or shorted to 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 like the CHAUVET Model No. DMX5M.

The chart below shows 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

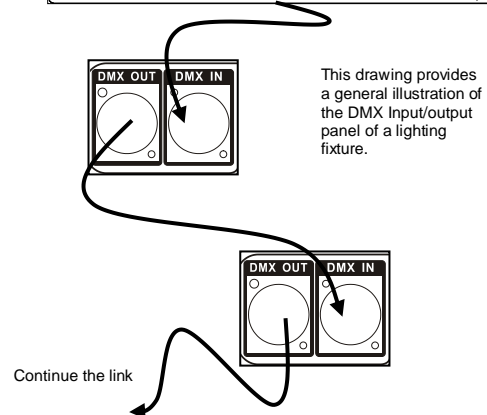
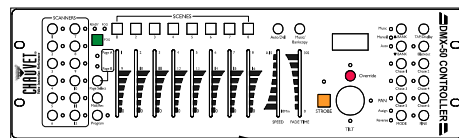
## Setting up a DMX Serial Data Link

- 1) Connect the (male) 3-pin connector of the DMX cable to the output (female) 3-pin connector of the controller.
- 2) Connect the other end of the cable to the (male) 3-pin input connector of the first fixture.
- 3) Connect the cable from the output of the first fixture to the input of the second fixture.
- 4) Continue connecting the other features as indicated above.

### CHAUVET Certified DMX Data Cables

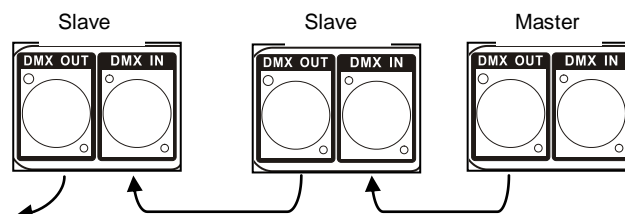
Order Code	Description
DMX1.5	DMX Cable 1.5 m/4.9 ft
DMX4.5	DMX Cable 4.5 m/14.8 ft
DMX10	DMX Cable 10 m/32.8 ft

### Universal DMX Controller



## Master/Slave Fixture Linking

- 1) Link the fixtures as indicated in steps 1 to 4 of the previous section.
- 2) The Master/Slave mode of the fixture does not require any setup or initialization. The first fixture in the daisy chain automatically assumes the role of Master unit regardless of its DIP switch settings.
- 3) Similarly, the fixtures that follow in the daisy chain automatically assume the role of Slave units, regardless their DIP switch settings.





# Mounting

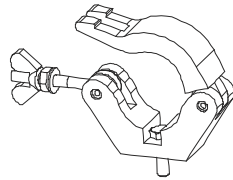
## Orientation

This fixture may be mounted in any safe position.

## Rigging

It is important never to obstruct the fan or vents pathway. Mount the fixture using a suitable "C" or "O" type clamp. Adjust the angle of the fixture by loosening both knobs and tilting the fixture. After finding the desired position, retighten both knobs.

- When selecting an installation location, consider ease of access for routine maintenance.
- Always use safety cables.
- Never mount the unit in places where it will be exposed to rain, high humidity, extreme temperature changes or restricted ventilation.



Hanging Clamp



**Clamp is sold separately**

# 4. OPERATING INSTRUCTIONS

## Operating Modes

The unit can be operated in stand-alone (sound activated), Master/Slave mode, or DMX mode.

### Stand-alone

The Stand-alone mode is activated automatically when the fixture does not receive a DMX signal, regardless of DIP switch settings. The fixture will run through its built in program (sound activated).

### Master/Slave

The Master/Slave mode will allow you to link up to as many units as you want, without a controller, in a daisy chain fashion. In this mode, the first unit in the daisy chain will automatically command all other units following regardless of their DIP switch settings. See the **Setup** section for instructions on how to connect the various units.

### DMX Mode

This mode allows the unit to be controlled by any universal DMX controller.

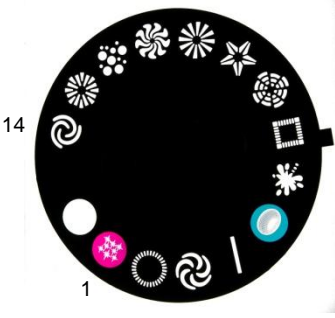
## Using DMX Mode



**If you are unfamiliar with DMX, please read the DMX Primer section.**

- 1) Daisy chain the fixture(s), using DMX cables, from the output of the DMX controller as indicated in the **Setup** section.
- 2) Assign the individual DMX address, using DIP switches 1 to 9 on each unit.
- 3) When the fixtures detect DMX signal, they will automatically switch to DMX operation mode.

## DMX Channel Values

Channel	Value	Function	
1	000 ⇔ 015 016 ⇔ 091 092 ⇔ 135 136 ⇔ 195 196 ⇔ 255	<b>Strobe</b> Gobo Stopped Adjacent gobo strobe: Slow > Fast Adjacent color strobe: Slow > Fast Adjacent color and gobo strobe: Slow > Fast Gobo shake: Slow > Fast	
2	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 ⇔ 255	<b>Gobo</b> Blackout Open Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 8 Gobo 9 Gobo 10 Gobo 11 Gobo 12 Gobo 13 Gobo 14 Gobo Spin: Slow > Fast	
3	000 ⇔ 010 011 ⇔ 012 022 ⇔ 023 033 ⇔ 034 044 ⇔ 045 055 ⇔ 065 066 ⇔ 076 077 ⇔ 087 088 ⇔ 098 099 ⇔ 109 110 ⇔ 120 121 ⇔ 127 128 ⇔ 255	<b>Color</b> Open/White Red Cyan Yellow Green Magenta Light Blue Dark Yellow Light Green Orange Tri-Color (Red-White-Blue) Quad-Color Color Spin: Slow > Fast	
4	000 ⇔ 255	<b>Pan</b> 0° - 180°	
5	000 ⇔ 255	<b>Tilt</b> 0° - 90°	

## Setting the Starting Address



If this is your first time addressing a fixture using the DMX-512 control protocol, you should skip to the Appendix and read the “DMX Primer” section. It contains very useful information that will help you understand how it works.

Set the starting address using the group of DIP switches located usually on bottom of the fixture. Each DIP switch has an associated value. Adding the value of each switch in the ON position will provide the starting address. The following instructions will help you to figure out which switches to toggle ON given a specific starting address:

- 1) Determine the largest value switch that is less than the starting address. Turn this switch on.
- 2) Subtract the value of the switch you just turned on from the starting address number.
- 3) Determine the largest value switch that is less than the remainder from the previous subtraction. Turn this switch on.
- 4) Subtract the value of the switch you just turned on from the remainder of the previous subtraction.
- 5) Repeat steps three and four until you have a remainder of zero.

### EXAMPLE STARTING ADDRESS

<p><b>Address 10</b></p> <p>Switch # 4 = 8 Switch # 2 = 2 Total = 10</p>	<p>256 128 64 32 16 8 4 2 1</p> <p>9 8 7 6 5 4 3 2 1</p> <p>ON OFF</p>																														
<p><b>Address 26</b></p> <p>Switch # 5 = 16 Switch # 4 = 8 Switch # 2 = 2 Total = 26</p>	<p>256 128 64 32 16 8 4 2 1</p> <p>9 8 7 6 5 4 3 2 1</p> <p>ON OFF</p>																														
<p><b>Resolving the starting address using simple math.</b></p> <p><b>Address 233</b></p>	<table border="0"> <tbody> <tr> <td>233 – (128) = 105 - Turn ON Dip # 8</td> <td style="border-right: 1px solid black; text-align: center;"><b>DIPSWITCH</b></td> <td style="text-align: center;"><b>(DMX VALUE)</b></td> </tr> <tr> <td>105 – (64) = 41 - Turn ON Dip # 7</td> <td style="border-right: 1px solid black; text-align: center;">1</td> <td style="text-align: center;">1</td> </tr> <tr> <td>41 – (32) = 9 - Turn ON Dip # 6</td> <td style="border-right: 1px solid black; text-align: center;">2</td> <td style="text-align: center;">2</td> </tr> <tr> <td>9 – (8) = 1 - Turn ON Dip # 4</td> <td style="border-right: 1px solid black; text-align: center;">3</td> <td style="text-align: center;">4</td> </tr> <tr> <td>1 – (1) = 0 - Turn ON Dip # 1</td> <td style="border-right: 1px solid black; text-align: center;">4</td> <td style="text-align: center;">8</td> </tr> <tr> <td></td> <td style="border-right: 1px solid black; text-align: center;">5</td> <td style="text-align: center;">16</td> </tr> <tr> <td></td> <td style="border-right: 1px solid black; text-align: center;">6</td> <td style="text-align: center;">32</td> </tr> <tr> <td></td> <td style="border-right: 1px solid black; text-align: center;">7</td> <td style="text-align: center;">64</td> </tr> <tr> <td></td> <td style="border-right: 1px solid black; text-align: center;">8</td> <td style="text-align: center;">128</td> </tr> <tr> <td></td> <td style="border-right: 1px solid black; text-align: center;">9</td> <td style="text-align: center;">256</td> </tr> </tbody> </table>	233 – (128) = 105 - Turn ON Dip # 8	<b>DIPSWITCH</b>	<b>(DMX VALUE)</b>	105 – (64) = 41 - Turn ON Dip # 7	1	1	41 – (32) = 9 - Turn ON Dip # 6	2	2	9 – (8) = 1 - Turn ON Dip # 4	3	4	1 – (1) = 0 - Turn ON Dip # 1	4	8		5	16		6	32		7	64		8	128		9	256
233 – (128) = 105 - Turn ON Dip # 8	<b>DIPSWITCH</b>	<b>(DMX VALUE)</b>																													
105 – (64) = 41 - Turn ON Dip # 7	1	1																													
41 – (32) = 9 - Turn ON Dip # 6	2	2																													
9 – (8) = 1 - Turn ON Dip # 4	3	4																													
1 – (1) = 0 - Turn ON Dip # 1	4	8																													
	5	16																													
	6	32																													
	7	64																													
	8	128																													
	9	256																													

# DMX Quick Reference Chart

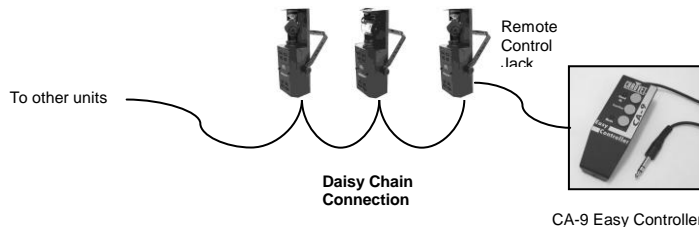
## DMX Address Quick Reference Chart

Dip Switch Position

DMX DIP SWITCH SET 0=OFF 1=ON X=OFF or ON	#9	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1			
	#8	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1			
	#7	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1			
	#6	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1			
Dip Switch Position		DMX Address																		
#1	#2	#3	#4	#5		32	64	96	128	160	192	224	256	288	320	352	384	416	448	480
0	0	0	0	0		32	64	96	128	160	192	224	256	288	320	352	384	416	448	480
1	0	0	0	0	1	33	65	97	129	161	193	225	257	289	321	353	385	417	449	481
0	1	0	0	0	2	34	66	98	130	162	194	226	258	290	322	354	386	418	450	482
1	1	0	0	0	3	35	67	99	131	163	195	227	259	291	323	355	387	419	451	483
0	0	1	0	0	4	36	68	100	132	164	196	228	260	292	324	356	388	420	452	484
1	0	1	0	0	5	37	69	101	133	165	197	229	261	293	325	357	389	421	453	485
0	1	1	0	0	6	38	70	102	134	166	198	230	262	294	326	358	390	422	454	486
1	1	1	0	0	7	39	71	103	135	167	199	231	263	295	327	359	391	423	455	487
0	0	0	1	0	8	40	72	104	136	168	200	232	264	296	328	360	392	424	456	488
1	0	0	1	0	9	41	73	105	137	169	201	233	265	297	329	361	393	425	457	489
0	1	0	1	0	10	42	74	106	138	170	202	234	266	298	330	362	394	426	458	490
1	1	0	1	0	11	43	75	107	139	171	203	235	267	299	331	363	395	427	459	491
0	0	1	1	0	12	44	76	108	140	172	204	236	268	300	332	364	396	428	460	492
1	0	1	1	0	13	45	77	109	141	173	205	237	269	301	333	365	397	429	461	493
0	1	1	1	0	14	46	78	110	142	174	206	238	270	302	334	366	398	430	462	494
1	1	1	1	0	15	47	79	111	143	175	207	239	271	303	335	367	399	431	463	495
0	0	0	0	1	16	48	80	112	144	176	208	240	272	304	336	368	400	432	464	496
1	0	0	0	1	17	49	81	113	145	177	209	241	273	305	337	369	401	433	465	497
0	1	0	0	1	18	50	82	114	146	178	210	242	274	306	338	370	402	434	466	498
1	1	0	0	1	19	51	83	115	147	179	211	243	275	307	339	371	403	435	467	499
0	0	1	0	1	20	52	84	116	148	180	212	244	276	308	340	372	404	436	468	500
1	0	1	0	1	21	53	85	117	149	181	213	245	277	309	341	373	405	437	469	501
0	1	1	0	1	22	54	86	118	150	182	214	246	278	310	342	374	406	438	470	502
1	1	1	0	1	23	55	87	119	151	183	215	247	279	311	343	375	407	439	471	503
0	0	0	1	1	24	56	88	120	152	184	216	248	280	312	344	376	408	440	472	504
1	0	0	1	1	25	57	89	121	153	185	217	249	281	313	345	377	409	441	473	505
0	1	0	1	1	26	58	90	122	154	186	218	250	282	314	346	378	410	442	474	506
1	1	0	1	1	27	59	91	123	155	187	219	251	283	315	347	379	411	443	475	507
0	0	1	1	1	28	60	92	124	156	188	220	252	284	316	348	380	412	444	476	508
1	0	1	1	1	29	61	93	125	157	189	221	253	285	317	349	381	413	445	477	509
0	1	1	1	1	30	62	94	126	158	190	222	254	286	318	350	382	414	446	478	510
1	1	1	1	1	31	63	95	127	159	191	223	255	287	319	351	383	415	447	479	511

## CA-9 Easy Controller (Optional)

STAND BY	MODE	FUNCTION
	LED ON: Slow Mode	<p>Pan &amp; Tilt is sound activated but Gobo and Color wheel are static and controlled by the <b>Function</b> button.</p> <p>Tap the <b>Function</b> button to step through the 11 colors then once more to step to the next gobo.</p>
BLACKOUT	LED OFF: Fast Mode	<p>The unit's movement Pan &amp; Tilt and Gobo/Color is sound activated.</p> <p>Press and hold the <b>Function</b> button to achieve the following results.</p> <ol style="list-style-type: none"> <li>Strobe in different colors and gobos</li> <li>Synchronous strobe in white</li> <li>Two-light strobe in white color</li> </ol>



## General Troubleshooting

Symptom	Solution(s)	Applies to			
		Lights	Foggers & Snow	Controllers	Dimmers & Chaser
Auto shut off	Check fan thermal switch reset	✓			
Beam is very dim or not bright	Clean optical system or replace lamp Check 220/110 V switch for proper setting	✓			
Breaker/Fuse keeps blowing	Check total load placed on device				✓
Chase is too slow	Check user's manual for speed adjustment	✓		✓	✓
Device has no power	Check for power on Mains. Check device's fuse. (internal and/or external)	✓		✓	✓
Fixture is not responding	Check DMX Dip switch settings for correct addressing Check DMX cables Check polarity switch settings	✓			
Fixture is on but there is no movement to the audio	Make sure you have the correct audio mode on the control switches. If audio provided via 1/4" jack, make sure a live audio signal exists Adjust sound sensitivity knob	✓		✓	✓
Light will not come on after power failure	Some discharge lamps require a cooling off period before the electronics in the fixture can kick start it again. Wait 5 to 10 minutes before powering it up again.	✓			
Loss of signal	Use only DMX cables Install terminator Note: Keep DMX cables separated from power cables or black lights.	✓	✓	✓	✓
Moves slow	Check 220/110 V switch for proper setting	✓			
No light output	Check slip ring & brushes for contact Install bulb Call service technician	✓			
Remote does not work	Make sure connector is firmly attached to device	✓	✓		
Stand alone mode	All Chauvet lighting fixtures featuring stand-alone functions will start in this mode upon power on without additional settings.	✓			

**If you still have a problem after trying the above solutions, please contact CHAUVET Technical Support at the location on the next page.**

# Contact Us

## World Wide

### General Information

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

### Technical Support

CHAUVET  
3000 North 29<sup>th</sup> Court  
Hollywood, FL 33020  
voice: 954.929.1115 **(Press 4)**  
fax: 954.929.5560 **(Attention: Service)**

### World Wide Web

[www.chauvetlighting.com](http://www.chauvetlighting.com)

# 5. APPENDIX

## DMX Primer

The DMX mode enables the use of a universal DMX controller device. There are 512 channels in a DMX-512 connection. Channels may be assigned in any manner. A fixture capable of receiving DMX 512 will require access to one or more sequential channels. To do this, each fixture requires a "start address" from 1 to 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.

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 are set incorrectly. However, you can 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 they will all respond in exactly the same way.

DMX fixtures are designed to receive data through a DMX Daisy Chain. In a Daisy Chain, 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 a connection order that provides for the easiest and most direct cabling, however.



**CHAUVET carries 3-pin XLR DMX compliant cables, DMX-10 (33'), DMX-4.5 (15') and DMX-1.5 (5')**



## General Maintenance

To maintain optimum performance and minimize wear, fixtures should be cleaned frequently. Usage and environment are contributing factors in determining the cleaning 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 and internal components. Clean all glass surfaces 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 internal and 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 surrounding can cause greater accumulation of dirt on the unit's optics. Clean with soft cloth using normal glass cleaning fluid. Always dry the parts carefully. Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.

## 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 Merchandise Authorization Number (RMA #). Products returned without an 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 properly pack fixture; 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).



**Once you have received the 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, any 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 during 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 ..... 17.4 in (441 mm)  
Width ..... 10.1 in (256 mm)  
Height ..... 5.6 in (142 mm)  
Weight ..... 10.2 lbs (4.6 kg)

## POWER

Autoswitching ..... 100-240 VAC 50/60 Hz  
Fuse ..... F3 A 250 V (5x20 mm fast-blow)  
Power Consumption ..... 50 W (0.6 A) max @ 120 V  
Inrush Current ..... (0.2 A) @ 120 V  
Power Consumption ..... 53 W (0.4 A) max @ 230 V  
Inrush Current ..... (0.3 A) @ 230 V  
Power Output ..... 20 units max @ 120 VAC, 40 units max @ 230 V

## LIGHT SOURCE

LED ..... 22 W 1,360 mA (1 White) 50,000 hrs

## PHOTO OPTIC

Luminance @ 1m ..... 1,530 lux  
Beam angle ..... 15°

## THERMAL

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

## CONTROL & PROGRAMMING

Data input ..... locking 3-pin XLR male socket  
Data output ..... locking 3-pin XLR female socket  
Data pin configuration ..... pin 1 shield, pin 2 (-), pin 3 (+)  
Protocols ..... DMX-512 USITT  
DMX Channels ..... 5

## ORDERING INFORMATION

Intimidator™ Scan LED ..... INTIMIDATORSCANLED

## WARRANTY INFORMATION

Warranty ..... 2-year limited warranty

## Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>