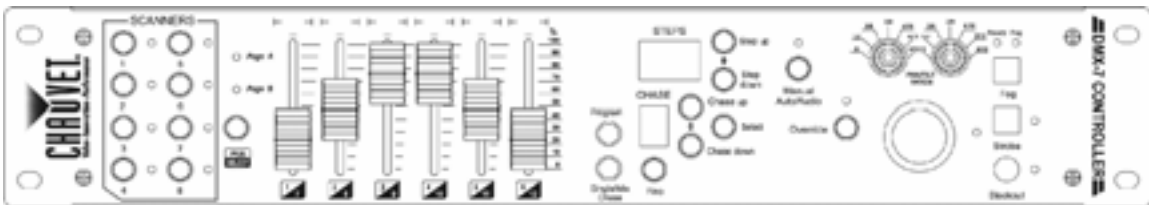


# DMX-7

## Universal DMX Controller

### USER MANUAL



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# BEFORE YOU BEGIN

## What is included

- 1 x DMX-7
- 1 x DC 9V-12V 500mA 90V~240V Power Adapter
- Warranty Card & 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.

## Safety Instructions



Please read these instructions carefully, which includes important information about the installation, usage and maintenance?



- Please keep this User Guide 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 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 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Always disconnect from power source before servicing or replacing lamp or fuse and be sure to replace with same lamp source.
- Secure fixture to fastening device using a safety chain. Never carry the fixture solely by its head. Use its carrying handles.
- Maximum ambient temperature is  $T_a: 40^\circ$ . Do not operate fixture at temperatures higher than this.
- In the event of 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.
- Don't connect the device to a dimmer pack.
- Make sure power cord is never crimped or damaged.
- Never disconnect power cord by pulling or tugging on the cord.
- Avoid direct eye exposure to lamp while it is on.

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

# INTRODUCTION

## Features

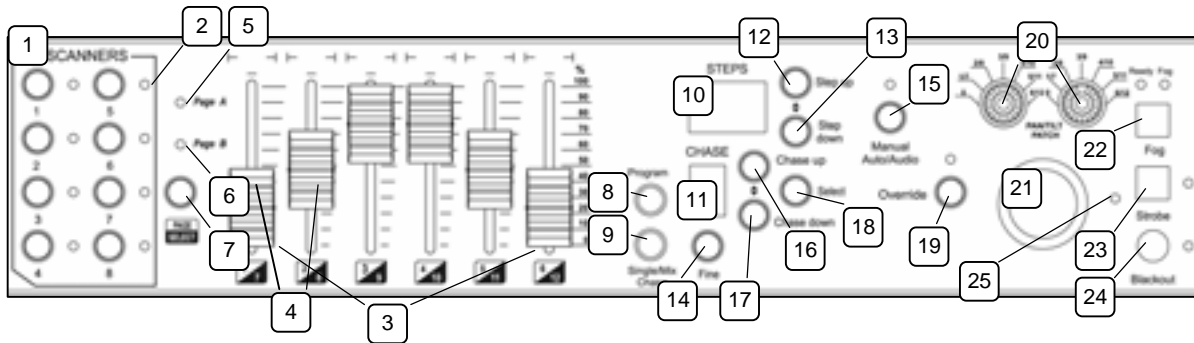
- Universal DMX-512 Controller
- 96 DMX Channels
- Control 8 individual lights up to 12 channels
- 8 sets of chases, 60 scenes each
- Assignable Joystick with override button
- Fog control button
- Strobe control button
- Polarity Selector
- 2 rackspace

## General Overview

The DMX-7 is a universal intelligent lighting controller. It allows the control of 8 fixtures composed of 12 channels each and up to 480 programmable scene/steps. Eight chase banks can contain up to 60 steps. Programs can be triggered by music, automatically or manually. Chases can also run individually or simultaneously.

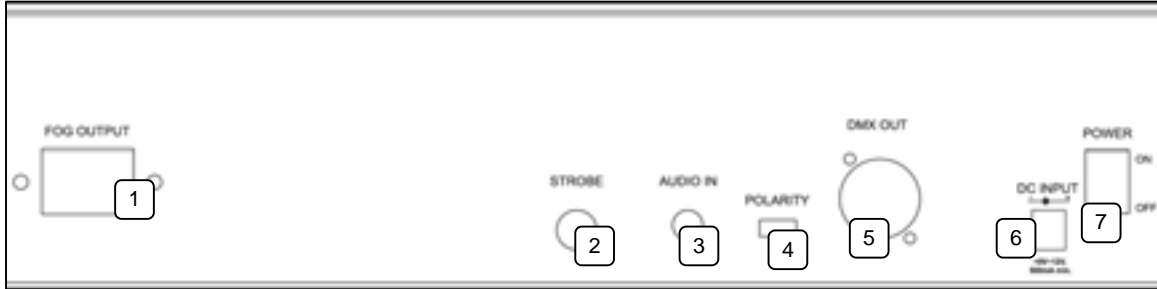
On the surface you will find various programming tools such as 6 universal channel sliders, a joystick and LED display indicators for easier navigation of controls and menu functions. You can control the pan and tilt of different intelligent lighting fixtures using the same joystick at the same time by means of a programmable joystick. This joystick allows the user to assign individual pan and tilt channels for every fixture. Further unifying control of accessories is a Fog and Strobe trigger buttons built in to the controller.

## Product Overview (front)



Item	Button or Fader	Function
1	Scanner select buttons, also chase select buttons in Run mode	Fixture selection during program mode, chase selection during Playback/Run mode
2	Scanner indicator LEDs	Indicates the fixtures currently selected, or chase selected in Run mode
3	Channel faders	For adjusting DMX values, Ch 1-6 can be adjusted immediately after pressing the respective scanner select button, Ch 7-12 after pressing the Page select button
4	Fader 1 & Fader 2	In Run mode, fader 1 adjusts run or playback speed of the chase and fader 2 adjusts the cross-fade time
5	Page A Indicator LED	Represents Ch 1-6 range selected
6	Page B Indicator LED	Represents Ch 7-12 range selected
7	Page Select	In manual mode, press to toggle between pages of control or to select both pages simultaneously. Both LEDs on will allow control of both lower and upper range channel
8	Program	Enters program and setup mode
9	Single/Mix Chase	Switches the run mode from a single chase playback to multiple simultaneous chase playbacks
10	Steps LCD display	Status window displays active step and other status
11	Chase LCD display	Status window displays active chase and other status
12	Step up	Advances one step during programming or in Auto run mode
13	Step down	Steps back one step during programming or in Auto run mode
14	Fine	Toggles 3 joystick speeds
15	Manual Auto/Audio	Toggles operating modes, Manual, Auto and Audio
16	Chase up	Press to advance one chase
17	Chase down	Press to step backwards one chase
18	Select	Used to select steps or chase during the copy function
19	Override	Press this button followed by a scanner button in run mode to override fixture settings
20	Pan/Tilt Patch	Manually assign pan/tilt channels to joystick control
21	Joystick	When properly set controls pan and tilt
22	Fog	Fog machine trigger
23	Strobe	Strobe trigger
24	Blackout	Sets the DMX value of all outputs to "0" causing all light output to cease
25	Joystick speed LED	Indicates speed currently set on joystick control

## Product Overview (rear)



Item	Button or Fader	Function
1	Fog connector	Chauvet fog controller IEC connector
2	Strobe connector	Chauvet Mono Strobe ¼" connector for built in strobe controller
3	Audio input jack	Direct audio feed for use in sound-active mode
4	Polarity switch	May be used to correct signal polarity
5	DMX output	DMX control signal
6	DC Input jack	Main power feed 9V ~ 12V DC
7	On/Off power switch	Turn the controller On and Off

## Common Terms

The following are common terms used in intelligent light programming.

**Blackout** is a state by where all lighting fixtures light output are set to 0 or off, usually on a temporary basis.

**DMX-512** is an industry standard digital communication protocol used in entertainment lighting equipment. For more information read Sections "DMX Primer" and "DMX Control Mode" in the Appendix.

**Fixture** refers to your lighting instrument or other device such as a fogger or dimmer of which you can control.

**Programs** are a bunch of scenes stacked one after another. It can be programmed as either a single scene or multiple scenes in sequence.

**Scenes** are static lighting states.

**Sliders** also known as faders.

**Chases** can also be called programs. A chase consists of a bunch of scenes stacked one after another.

**Scanner** refers to a lighting instrument with a pan and tilt mirror; however, in the ILS-CON controller it can be used to control any DMX-512 compatible device as a generic fixture.

**MIDI** is a standard for representing musical information in a digital format. A MIDI input would provide external triggering of scenes using midi device such as a midi keyboard.

**Stand Alone** refers to a fixture's ability to function independently of an external controller and usually in sync to music, due to a built in microphone.

**Fade** slider is used to adjust the time between scenes within a chase.

**Speed** slider affects the amount of time a scene will hold its state. It is also considered a wait time.

**Shutter** is a mechanical device in the lighting fixture that allows you to block the lights path. It is often used to lessen the intensity of the light output and to strobe.

**Patching** refers to the process of assigning fixtures a DMX channel or.

**Playbacks** can be either scenes or chases that are directly called to execution by user action. A playback can also be considered program memory that can be recalled during a show or running mode.

# OPERATING INSTRUCTIONS

## Setup

### SETTING UP THE SYSTEM

1. Place the DMX-7 on a leveled surface. Note! The DMX-7 can also be rack mounted.
2. Plug the AC to DC power supply to the system back panel and to the mains outlet.
3. Plug in your DMX cable(s) to your intelligent lighting as described in the fixtures respective manual. For a quick Primer on DMX see the "DMX Primer" section in the Appendix of this manual.
4. Plug in a compatible Chauvet Fogger to the AC Fog Machine Remote Controller connector.
5. Plug in any Chauvet MONO strobes in a daisy like fashion using a ¼" mono phono cable.

### FIXTURE PATCH

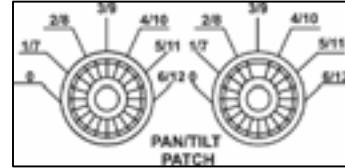
The DMX-7 is programmed to control 12 channels of DMX per fixture, therefore the fixtures you wish to control with the corresponding "SCANNER" buttons on the unit, must be spaced 12 channels apart.

FIXTURE OR SCANNER #	DEFAULT DMX STARTING ADDRESS	DIPSWITCH SETTINGS SWITCH TO THE "ON POSITION"
1	1	1
2	13	1,3,4
3	25	1,4,5
4	37	1,3,6
5	49	1,5,6
6	51	1,2,5,6
7	63	1,2,3,4,5,6
8	75	1,2,4,7

Please refer to your individual fixture's manual for DMX addressing instructions. The table above refers to a standard 9 dipswitch binary configurable device.

## PAN/TILT PATCH

Because not all intelligent lighting fixtures are alike or share the same control attributes, the DMX-7 allows the user to assign the joystick the correct pan and tilt channel for every fixture. This means you can control the pan and tilt of any fixture scanner or moving yoke regardless of the brand or type.



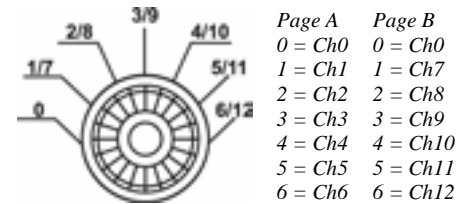
### Action

- 1) Press the **Program** button for 2 to 3 seconds to enter the editor.
- 2) Select one or more scanners/fixtures by pressing each **Scanner** button. Each respective **Scanner** LED will light up when selected. Only select the scanners that have the same DMX attributes.
- 3) Turn the rotary dial on the left to locate and assign the DMX channel that corresponds to the pan control. Do the same with the dial on the right for the tilt channel.
- 4) Store settings by simultaneously pressing the **Single/Mix Chase** and **Fine** buttons.
- 5) To set the pan and tilt on another type of fixture on the controller, simply deselect the previous and select the other **Scanner** buttons to assign new pan/tilt settings to the joystick.
- 6) Repeat step 3 and then 4 to complete. All LEDs will flash twice to confirm.

### Notes

You will notice that the Chase LCD display will begin to blink with a number 1.

The rotary dial on the left assigns pan and the right, tilt control.



There are 12 available DMX channels but only 6 can be selected at a time. Press the **Page Select** button to enable channels 7-12 on the dial.

When the dial is set to "0" the controller will not store a pan/tilt setting for that dial.

**Note!** The left dial is Pan and the right is Tilt.

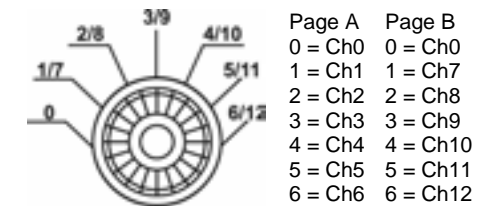
## PATCH CHANNELS IN OPPOSITE PAGES

If your fixture's pan is controlled using a channel in the 1 ~ 6 range and the tilt in the 7 ~ 12 range or vice versa, channels in different pages can also be assigned simultaneously. The following example describes the assignment of channel 6 as pan and 7 as tilt.

### Action

- 1) Follow the "**Pan/Tilt Patch**" instructions above until step # 3.
- 2) Make sure **Page Select** is set to **A**. Turn the rotary dial on the left to position "6" and the rotary dial on the right to position "0".
- 3) Store settings by simultaneously pressing the **Single/Mix Chase** and **Fine** buttons.
- 4) Press the **Page Select** button so that the LED labeled **B** lights up. Turn the rotary dial on the left to position "0" and the rotary on the right to position "21" which now represents Ch7.
- 5) Store settings by simultaneously pressing the **Single/Mix Chase** and **Fine** buttons.
- 6) Continue from step # 5 using the "**Pan/Tilt Patch**" instructions above.

### Notes



While **Page Select** is set to 7-12, position 1 on the dial represents 7.

### **VERY IMPORTANT!**

WHEN USING THE JOYSTICK UNDER THIS SCENARIO YOU WILL NEED TO SELECT PAGE SELECT TO SWITCH BACK AND FORTH WHEN CONTROLLING THE PAN OR THE TILT IN DIFFERENT CHANNEL PAGES.



## Programming

A chase bank is a sequence of different scenes (or steps) that will be called up one after another. In the DMX-7 8 chases can be created of 60 scenes in each.

### ENTERING PROGRAM MODE

- 1) Press the **Program** button for 2 to 3 seconds to enter the program editor.  
(You will notice that the Chase LCD display will begin to blink with a number 1)

### CREATE/EDIT A CHASE OR STEP

Scenes or in the case of the DMX-7 “steps” are stored in a chase bank. Each chase bank will hold up to 60 steps.

#### Action

- 1) Press the **Program** button for 2 to 3 seconds to enter the program editor.  
(You will notice that the Chase LCD display will begin to blink with a number 1)
- 2) You are instantly placed on **Chase** [ 1 ] and **Steps** [ 01 ].
- 3) Navigate **Chase** and **Steps** by using the adjacent Up/Down arrow buttons to the right of the LCD displays. Choose a location.
- 4) Select the **Scanners** to include in the step then move the faders and joystick to achieve a desired look.
- 5) Press the **Program** button to store. The LEDs will blink twice to confirm.
- 6) Repeat steps 3 through 5 to add or likewise edit steps.
- 7) Press the **Blackout** button to exit the program editor.

#### Notes

**Remember!** Press the **Page Select** button to access channels 7 ~ 12 on the faders.

#### Tip!

There are 3 joystick control speeds that make mirror or yoke positioning of the scanners easier to manage. Press the **Fine** button to change joystick speeds, the “Joystick speed LED” will indicate the speed;

LED	Speed
====	=====
OFF	Fastest speed
ON	Medium speed
Blink	Slowest speed

### DELETE A STEP

#### Action

- 7) Press the **Program** button for 2 to 3 seconds to enter the program editor.  
(You will notice that the Chase LCD display will begin to blink with a number 1)
- 8) You are instantly placed on **Chase** [ 1 ] and **Steps** [ 01 ].
- 9) Navigate **Chase** and **Steps** by using the adjacent Up/Down arrow buttons to the right of the LCD displays. Locate the step to delete.
- 10) Press the **Manual Auto/Audio** button to delete the step. All LEDs will blink twice to confirm.

#### Notes

## COPY A STEP

### Action

- 1) Press the **Program** button for 2 to 3 seconds to enter the program editor.  
*(You will notice that the Chase LCD display will begin to blink with a number 1)*
- 2) Navigate **Chase** and **Steps** by using the adjacent Up/Down arrow buttons to the right of the LCD displays. Locate the source step to copy.
- 3) Press the **Select** button and a dot will appear on the lower right of the number.
- 4) Press **Step up** or **Step down** to locate the destination step.
- 5) Press the **Program** button to complete the copy process. All LEDs will blink twice to confirm.
- 6) Press the **Blackout** button to exit the program editor.

### Notes

## COPY A CHASE

### Action

- 1) Press the **Program** button for 2 to 3 seconds to enter the program editor.  
*(You will notice that the Chase LCD display will begin to blink with a number 1)*
- 2) Navigate **Chases** by using the adjacent Up/Down arrow buttons to the right of the LCD displays. Locate the chase to copy.
- 3) Press the **Override** button and a dot will appear on the lower right of the number in the **Chase** LCD display.
- 4) Press **Chase up** or **Chase down** to locate the destination chase.
- 5) Press the **Program** button to complete the copy process. All LEDs will blink twice to confirm.
- 6) Press the **Blackout** button to exit the program editor.

### Notes

## DELETE A CHASE

### Action

- 1) Press the **Program** button for 2 to 3 seconds to enter the program editor. (You will notice that the Chase LCD display will begin to blink with a number 1)
- 2) Navigate **Chases** by using the adjacent Up/Down arrow buttons to the right of the LCD displays. Locate the chase to delete.
- 3) Press the **Override** button and a dot will appear on the lower right of the number in the **Chase** LCD display.
- 4) Press the **Manual Auto/Audio** button to delete the chase. All LEDs will blink twice to confirm.
- 5) Press the **Blackout** button to exit the program editor.

### Notes

## Playback

### RUNNING IN AUTO-MODE

#### Action

- 1) Press the **Manual Auto/Audio** button. The LED indicator will light up.
- 2) The **Scanner** buttons now act as chase memory. Press a **Scanner** button to trigger a **Chase**.
- 3) Move the first fader to adjust the **speed** of the chase.
- 4) Move the second fader to adjust the **cross-fade** of the chase.
- 5) The default run mode is sequential; meaning the chases will run in the sequence or order that they were selected.

#### Notes

*If the LED blinks you are in Audio mode instead. Press the **Manual Auto/Audio** button repeatedly until the LED is permanently on.*

*Multiple chases selected will loop and run in the same sequence/order they were originally selected. The active chase will blink while the pending chases' LEDs will remain lit.*

#### Single/Mix Chase (Function)

You may also run more than one chase simultaneously. This mode is called the **Mix Chase** mode.

- 6) Press **Single/Mix Chase** button until the **Steps** LCD displays a [ PO ], also the **Chase** LCD will display a [ C ].

### RUNNING IN SOUND-MODE

Operating in sound-mode is the same as in auto-mode with a few exceptions listed below. Follow the same instructions change accordingly.

#### Action

- Press the **Manual Auto/Audio** button until the LED blinks.
- Fader 1 is disabled but fader 2 (**cross-fade**) remains active.

#### Notes

*In the Sound mode, programs will be triggered by the sound using its built-in microphone.*

## OVERRIDE MODE

Whether in Sound or Auto mode, activating **Override** allows the user to select one or more scanners and temporarily change any attributes, such as colors gobos or location of the beam. It is particularly useful if you want to take one light out of a chase and use it as a followspot. All active chases in execution will remain in run time and when the user leaves the **Override** function all or any scanner selected returns to the normal running chase. **Override** can also be used in both **Single** and **Mix** chase modes.

### Action

- 1) Press the **Manual Auto/Audio** button.
- 2) The **Scanner** buttons now act as chase memory. Press a **Scanner** button to trigger a **Chase**.
- 3) Move the first fader to adjust the **speed** of the chase.
- 4) Move the second fader to adjust the **cross-fade** of the chase.
- 5) The default run mode is sequential; meaning the chases will run in the sequence or order that they were selected.
- 6) Press **Override** button.
- 7) Select one or more **Scanner** buttons to override attributes.
- 8) Press the **Override** button again to release back into the running chase.

### Notes

*If the LED blinks you are in Audio mode instead. Press the **Manual Auto/Audio** button repeatedly until the LED is permanently on.*

*Multiple chases selected will loop and run in the same sequence/order they were originally selected. The active chase will blink while the pending chases' LEDs will remain lit.*

*Speed and fade time is maintained during **Override**.*

**Remember!** Press the **Page Select** button to access channels 7 ~ 12 on the faders.

## MANUAL MODE

Manual mode simply enables direct control of all **Scanners**.

### Action

- Press the **Manual Auto/Audio** button until a dash ( - - ) appears in both LCD displays.
- Select the **Scanner** buttons you would like to control.
- Move faders and joystick to achieve desired result.

### Notes

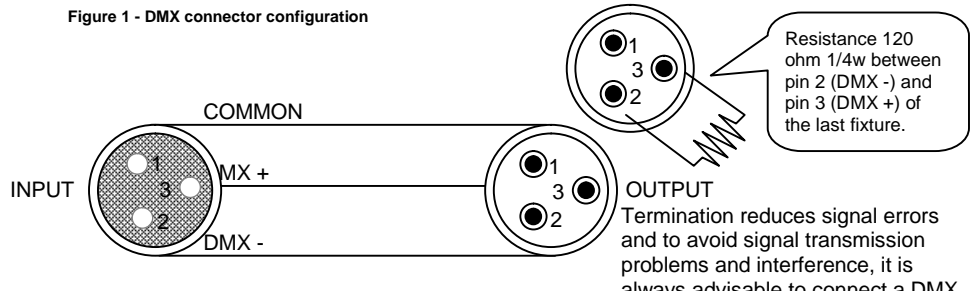
# APPENDIX

## DMX Primer

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

### FIXTURE LINKING



**Note!** *If you use a controller with a 5 pin DMX output connector, you will need to use a 5 pin to 3 pin adapter. CHAUVET Model No: DMX5M. 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
Do not use		Do not use
Do not use		Do not use

## 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 (RA #). Products returned without an RA # will be refused. Call CHAUVET and request RA # 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. CHAUVET reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

## 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.

# DMX Dipswitch Quick Reference Chart

## DMX Address Quick Reference Chart

Dip Switch Position

DMX DIP SWITCH SET					#9	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
0=OFF					#8	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1
1=ON					#7	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1
X=OFF or ON					#6	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
#1	#2	#3	#4	#5																	
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	
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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	

Dip Switch Position

DMX Address

## 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 220/110v switch for proper setting	✓			
Breaker/Fuse keeps blowing	Check total load placed on device				✓
Chase is too slow	Check users 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	✓		✓	✓
Lamps cuts off sporadically	Possible bad lamp or fixture is overheating.  Lamp may be at end of its life.	✓			
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 up	✓			
Loss of signal	Use only DMX cables  Install terminator Note: Keep DMX cables separated from power cables or black lights.	✓	✓	✓	✓
Moves slow	Check 220/110v switch for proper setting	✓			
No flash	Re-install bulb, may have shifted in shipping	✓			
No laser output	Bounce mirror motor may have shifted during shipping, readjust	✓			
No light output	Check slip ring & brushes for contact  Install bulb  Call service technician	✓			
Relay will not work	Check reset switch  Check cable connections				✓
Remote does not work	Make sure connector is firmly connected to device	✓	✓		
Stand alone mode	All Chauvet lighting fixtures featuring stand-alone functions do not require additional settings, simply power the fixture and it will automatically enter into this mode	✓			



# Technical Specifications

## WEIGHT & DIMENSIONS

Length..... 481 mm (18.9 in)  
Width..... 80 mm (3.1 in)  
Height ..... 90 mm (3.5 in)  
Weight..... 3.9 Kgs (1.77 lbs)

## POWER

Power..... DC 9V-12V 500mA min.  
Adapter ..... Provided

## THERMAL

Maximum ambient temperature..... 45° (113° F)

## CONTROL AND PROGRAMMING

Data Output..... 3-pin XLR female socket  
Pin Configuration..... Pin 1 shield, Pin 2 (-), Pin 3 (+)  
Protocols..... DMX-512 USITT

## ORDERING INFORMATION

DMX-7™ ..... DMX-7™

## EC DECLARATION OF CONFORMITY

We declare that our products (lighting equipments) comply with the following specification and bears CE mark in accordance with the provision of the Electromagnetic Compatibility (EMC) Directive 89/336/EEC.

..... EN55014-1: 1993, EN61000-3-2: 1995, EN61000-3-3:1995  
..... EN55014-2: 1997 CATEGORY II  
..... EN61000-4-2: 1995, EN61000-4-3: 1995, EN61000-4-4:1995  
..... EN61000-4-5: 1995, EN61000-4-6: 1995, EN61000-4-11: 1994  
Harmonized Standard ..... EN60598-1: 1993  
Safety of household and similar electrical appliances Part 1: General requirements  
Following the provisions of the Low Voltage Directive 73/23/EEC and 93/68/EEC.

## EC DECLARATION OF CONFORMITY

We declare that our products (remote controller) comply with the following specification and bears CE mark in accordance with the provision of the Electromagnetic Compatibility (EMC) Directive 89/336/EEC.

..... EN55015: 1993  
..... EN50082-1: 1997  
..... EN61000-3-2: 1995  
..... EN61000-3-3: 1995

## Technical Support

Address: Service Dept.  
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Support (Email): [tech@chauvetlighting.com](mailto:tech@chauvetlighting.com)  
Telephone: (954) 929-1115 - (Press 4)  
Fax: (954) 929-5560 - (Attention: Service)  
Website: <http://www.chauvetlighting.com>