INTIMIDATOR SPOT LED 350

User Manual



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1. BEFORE YOU BEGIN

What Is Included		 Power Cord Warranty Card Quick Reference Guide
Unpacking Instructions	Carefully unpack the product immediate parts are in the package and are in goo	
Claims	If the box or the contents (the product	and included accessories) appea

appear damaged from shipping, or show signs of mishandling, notify the carrier immediately, not Chauvet. Failure to report damage to the carrier immediately may invalidate your claim. In addition, keep the box and contents for inspection.

For other issues, such as missing components or parts, damage not related to shipping, or concealed damage, file a claim with Chauvet within 7 days of delivery.

to make sure all the

Text	Convention	Meaning	
Conventions	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	
_	Menu > Settings	A sequence of menu options to be followed	
	<enter></enter>	A key to be pressed on the product's control panel	
-	ON	A value to be entered or selected	
Symbols	Symbol	Meaning	
	\triangle	Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator.	
	Í	Important installation or configuration information. The product may not function correctly if this information is not used.	
		Useful information.	

Information

Document The information and specifications contained in this document are subject to change without notice. Chauvet assumes no responsibility or liability for any errors or omissions that may appear in this manual. Chauvet reserves the right to update the existing document or to create a new document to correct any errors or omissions.

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Product at a	Use on Dimmer	×	Auto Programs	Р
Glance	Outdoor Use	X	Auto-ranging Power Supply	Р
	Sound-Activated	Ρ	Replaceable Fuse	Р
	DMX	Ρ	User-Serviceable	×
	Master/Slave	Ρ		

Safety Notes These notes include important information about the mounting, usage, and maintenance of this product; read before using the product.

- This product is not intended for permanent installation.
- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Always disconnect the product from power before cleaning or replacing the fuse.
- Avoid direct eye exposure to the light source while the product is on.



- Make sure the power cord is not crimped or damaged.
- Never disconnect the product from power by pulling or tugging on the cord.
- If mounting the product overhead, always secure to a fastening device using a safety cable.
- Make sure there are no flammable materials close to the product when operating.
- Do not touch the product's housing when operating because it may be very hot.
- Always make sure that the voltage of the outlet to which you are connecting the product is within the range stated on the decal or rear panel of the product.
- The product is for indoor use only! (IP20) To prevent risk of fire or shock, do not expose the product to rain or moisture.
- Always install the product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- · Be sure that no ventilation slots on the product's housing are blocked.
- Never connect the product to a dimmer.
- Make sure to replace the fuse with another of the same type and rating.
- Never carry the product from the power cord or any moving part. Always use the hanging/mounting bracket or the handles.
- The maximum ambient temperature (Ta) is 104 °F (40 °C). Do not operate the product at higher temperatures.
- In the event of a serious operating problem, stop using the product immediately.
- Never try to repair the product. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center.
- To eliminate wear and improve its lifespan, during periods of non-use completely disconnect from power via breaker or by unplugging it.



Keep this User Manual for future use. If you sell the product to another user, be sure to give this document to the next owner.

2. INTRODUCTION

Product Overview



Product Dimensions





3. Setup

AC Power The Intimidator™ Spot LED 350 has an auto-ranging power supply and it can work with an input voltage range of 100-240 VAC, 50/60 Hz.

> To determine the product's power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's back panel, or refer to the product's specifications chart. The listed current rating indicates the product's average current draw under normal conditions.



Always connect the product to a protected circuit (circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.

To eliminate wear and improve its lifespan, during periods of non-use completely disconnect from power via breaker or by unplugging it.



Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.

Disconnect the product from power. Fuse 1.

Replacement 2.

- Using a Phillips #2-head screwdriver, unscrew the fuse holder
- cap from the housing.
- 3. Remove the blown fuse.
- 4. Replace with a fuse of the same type and rating.
- 5. Screw the fuse holder cap back in place and reconnect power.



- Disconnect the product from power before replacing the fuse.
- Always replace a blown fuse with another of the same type and rating.



Power Linking The product provides power linking via the IEC outlet located in the back of the unit.

 (\mathbf{i})

You can power link up to 3 Intimidator™ Spot LED 350 units on 120 VAC or up to 7 Intimidator™ Spot LED 350 units on 230 VAC.



The power linking diagram shown above corresponds to the North American version of the product ONLY! If using the product in other markets, you must consult with the local Chauvet distributor as power linking connectors and requirements may differ in your country or region.

Mounting Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes.

- **Orientation** The Intimidator[™] Spot LED 350 may be mounted in any position; however, make sure adequate ventilation is provided around the product.
 - **Rigging** · Before deciding on a location for the product, always make sure there is easy access to the product for maintenance and programming purposes.
 - Make sure that the structure or surface onto which you are mounting the product can support the product's weight. See the <u>Technical Specifications</u> for weight information.
 - When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, whether an elevated platform or a truss.
 - · When rigging the product onto a truss, you should use a mounting clamp of appropriate weight capacity.
 - When power linking multiple products, you must always consider the length of the power linking cable and mount the products close enough for the cable to reach.
 - The rubber feet also serve as floor supports. When mounting the product on the floor, make sure that the product and cables are away from people and vehicles.





When using only one mounting clamp with this fixture, you must use a clamp with a captive bolt to prevent accidental loosening.

4. OPERATION

Control Panel To access the control panel functions, use the four buttons located underneath the display.

	Button	Function			
	<mode esc=""></mode>	Press to find an operation mode or to back out of the current menu option			
	<up></up>	Press to scroll up the list of options or to find a higher value			
	<down></down>	Press to scroll do	own the list of o	ptions or to find a lower value	
	<enter></enter>	Press to activate	a menu option	or a selected value	
Menu Map	Mode	Programm	ing Steps	Description	
•	DMX Mode	001~	512	Sets the DMX starting address	
		SLAv	(Son)	Slave operating mode	
	Operation	NASL (SLoU)	Automatic mode, Slow program	
	Modes	NAFA (FASt)	Automatic mode, Fast program	
		NStS (SrUn)	Sound-Active mode	
	Pan	Normal Pan	PAn	Normal Pan operation	
	Pan	Inverse Pan	r PAn	Inverse Pan operation	
	Tilt	Normal Tilt	tiL	Normal Tilt operation	
	T IIT	Inverse Tilt	r tiL	Inverse Tilt operation	
	Display	Normal Display	diS	Change the LCD display text position	
	Display	Inverse Display	r diS	Change the LCD display text position	
	Channel Mode	14-Channel Mode	14CH	Selects the DMY perpenditu	
		8-Channel Mode	8CH	Selects the DMX personality	
		Pan 540	PA54		
	Manual Pan Range	Pan 360	PA36	Select Pan angle range	
		Pan 180	PA18]	
		Tilt 270	Ti27		
	Manual Tilt Range	Tilt 180	Ti18	Select Tilt angle range	
		Tilt 90	Ti 9]	
	Reset	rE	St	Resets fixture	
	Load	LoA	٨d	Load factory defaults	

Configuration (DMX)	 Set the product in DMX mode to control with a DMX controller. Connect the product to a suitable power outlet. Turn the product on. Connect a DMX cable from the DMX output of the DMX controller to the DMX input socket on the product.
Starting Address	When selecting a starting DMX address, always consider the number of DMX channels the selected DMX mode uses. If you choose a starting address that is too high, you could restrict the access to some of the product's channels. The Intimidator [™] Spot LED 350 uses up to 14 DMX channels in its 14-channel DMX mode, which defines the highest configurable address to 499 . If you are not familiar with the DMX protocol, download the DMX Primer from www.chauvetlighting.com.
	 To select the starting address, do the following: Press <mode esc=""> repeatedly until 001 shows on the display.</mode> Press <enter>.</enter> Use <up> or <down> to select the starting address.</down></up> Press <enter>.</enter>
DMX Personalities	The Intimidator [™] Spot LED 350 has two DMX personalities, an 8-channel personality and a 14-channel personality. To choose which DMX personality to use, follow the steps below:

- 1. Press **<MODE/ESC>** repeatedly until either **14CH** (to choose the 14-channel personality) or **8CH** (to choose the 8-channel personality) shows on the display.
- 2. Press **<ENTER>.**

14-CH	Channel	Function	Value	Setting		
	1	Pan	000 ó 255	0–540°		
	2	Fine Pan	000 ó 255	Fine control of panning		
	3	Tilt	000 ó 255	0–270°		
	4	Fine Tilt	000 ó 255	Fine control of tilting		
	5	Speed	000 ó 255	Pan/Tilt speed (fast to slow)		
			000 ó 006	White		
			007 ó 013	Yellow		
			014 ó 020	Pink		
			021 ó 027	Green		
			028 ó 034	Red		
			035 ó 041	Light Blue		
			042 ó 048	Kelly Green		
			049 ó 055	Orange		
			056 ó 063	Dark Blue		
			064 ó 070	White + Yellow		
	6	Color Wheel	071 ó 077	Yellow + Pink		
			078 ó 084	Pink + Green		
			085 ó 091	Green + Red		
			092 ó 098	Red + Light Blue		
			099 ó 105	Light Blue + Kelly Green		
			106 ó 112	Kelly Green + Orange		
			113 Ó 119	Orange + Dark Blue		
			120 Ó 127	Dark Blue + White		
			128 Ó 191	Color cycling rainbow with increasing speed		
			192 ó 255	Reverse color cycling rainbow with increasing speed		
			32~39	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		
	_		064 ó 071	Gobo 7 shake, from slow to fast		
	7	Gobo Wheel	072 ó 079			
				Gobo 5 shake, from slow to fast		
			088 ó 095	Gobo 4 shake, from slow to fast		
			096 ó 103	Gobo 3 shake, from slow to fast		
			104 ó 111	Gobo 2 shake, from slow to fast		
			112 ó 119	Gobo 1 shake, from slow to fast		
			120 ó 127	Open		
			128 ó 191	Cycle effect with increasing speed		
				Reverse cycle effect with increasing speed		
		1	1			

DMX Channel Assignments and Values

8 Gobo Rotation 000 ± 063 Indexing 9 Perform 9 Prism 232 ± 256 Gobo none 000 ± 000 Open 000 ± 000 Open 008 ± 012 Prism ontation with increasing speed 232 ± 256 131 ± 247 Reverse prism rotation with increasing speed 131 ± 247 Reverse prism rotation with increasing speed 131 ± 247 Reverse prism rotation with increasing speed 148 ± 255 Prism detato with increasing speed 11 Dimmer 000 ± 255 000 ± 000 Closed 000 ± 007 Open 008 ± 007 No function 008 ± 007 Open 008 ± 015 Blackout while pan/tilt moving color wheel 024 ± 023 Disable blackout while pan/tilt moving color wheel 024 ± 023 Disable blackout while moving gobo wheel 024 ± 023 Disable blackout while moving g	14-CH (cont.)	Channel	Function	Value	Setting
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9 Prism 000 6 007 Open 103 6 130 Prism non Prism rotation with increasing speed 113 6 247 Reverse prism rotation with increasing speed 12 Shutter 000 6 255 Prism rotation with increasing speed 11 Dimmer 000 6 255 Orlo% Octowing 12 Shutter 000 6 007 Stoce flect with increasing speed 12 Shutter 000 6 007 Open 008 6 076 Strobe Open 000 6 007 146 6 215 Random shutter 216 6 256 Open 146 6 255 Open 000 6 007 No function 008 6 007 No function 008 6 007 Stocut while moving color wheel 024 6 031 Blackout while moving gobo wheel 024 6 031 Blackout while moving all options 056 6 005 Isable blackout while moving all options 056 6 005 Isable blackout while moving all options 056 6 005 Isable blackout while moving all options 056 6 005 Isable blackout while moving 13 Control Functions Isa 6 113		U	Sobo Rotation	148 ó 231	Reverse rotation effect with increasing speed
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13 Control Functions 048 6 055 Disable blackout while moving all options 13 Control Functions 056 6 095 No function 14 096 6 103 Reset pan 104 6 111 Reset oldrew heel 120 6 127 Reset gobo wheel 128 6 135 Reset gobo rotation 136 6 143 Reset prism 144 6 151 Reset gobo rotation 136 6 143 Reset prism 144 6 151 Reset gobo rotation 136 6 143 Reset prism 144 6 151 Reset gobo rotation 136 6 143 Reset prism 144 6 151 Reset gobo rotation 136 6 143 Reset prism 144 6 151 Reset gobo rotation 136 6 143 Reset gobo rotation 136 6 023 Automatic movement 1 024 6 039 Automatic movement 4 072 6 087 Automatic movement 5 088 6 103 Automatic mo		13	Control Functions	032 ó 039	· · · · · · · · · · · · · · · · · · ·
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128				112 ó 119	Reset color wheel
136				120 ó 127	Reset gobo wheel
144				128 Ó 135	Reset gobo rotation
152 ó 159 Reset all channels 160 ó 255 No function 000 ó 007 No function 008 ó 023 Automatic movement 1 024 ó 039 Automatic movement 2 040 ó 055 Automatic movement 3 056 ó 071 Automatic movement 4 072 ó 087 Automatic movement 5 088 ó 103 Automatic movement 7 120 ó 135 Automatic movement 1 152 ó 167 Sound-active movement 1 152 ó 167 Sound-active movement 3 184 ó 199 Sound-active movement 4				136 Ó 143	Reset prism
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168 ó 183Sound-active movement 3184 ó 199Sound-active movement 4				136 Ó 151	Sound-active movement 1
184 ó 199 Sound-active movement 4				152 Ó 167	Sound-active movement 2
				168 ó 183	Sound-active movement 3
200 of 215 Sound-active movement 5					Sound-active movement 4
					Sound-active movement 5
216 6 231 Sound-active movement 6				216 ó 231	Sound-active movement 6
232 6 247 Sound-active movement 7				232 ó 247	Sound-active movement 7
248 6 255 Sound-active movement 8				248 ó 255	Sound-active movement 8

DMX Channel Assignments and Values (cont.)

8-CH	Channel	Function	Value	Setting
	1	Pan	000 ó 255	0–540°
	2	Tilt	000 ó 255	0–270°
			000 ó 006	White
			007 ó 013	Yellow
			014 ó 020	Pink
			021 ó 027	Green
			028 ó 034	Red
			035 Ó 041	Light Blue
			042 ó 048	Kelly Green
			049 ó 055	Orange
			056 ó 063	Dark Blue
	3	Color Wheel	064 ó 070	White + Yellow
			071 ó 077	Yellow + Pink
			078 ó 084	Pink + Green
			085 ó 091	Green + Red
			092 ó 098	Red + Light Blue
			099 ó 105	Light Blue + Kelly Green
			106 ó 112	Kelly Green + Orange
			113 ó 119	Orange + Dark Blue
			120 ó 127 128 ó 191	Dark Blue + White
			128 O 191 192 O 255	Color cycling rainbow with increasing speed Reverse color cycling with increasing speed
			\bigcap	
			\cup	
			0~7	8~15 16~23 24~31
			Ċ	
			32~39	40~47 48~55 56~63
			064 ó 071	Gobo 7 shake, from slow to fast
	4	Gobo Wheel	072 ó 079	Gobo 6 shake, from slow to fast
			080 ó 087	Gobo 5 shake, from slow to fast
			088 ó 095	Gobo 4 shake, from slow to fast
			096 Ó 103	Gobo 3 shake, from slow to fast
			104 ó 111	Gobo 2 shake, from slow to fast
			112 Ó 119	Gobo 1 shake, from slow to fast
			120 Ó 127	Open
			128 Ó 191	Cycle effect with increasing speed
			192 ó 255	Reverse cycle effect with increasing speed
			000 ó 063	Indexing
	5	Gobo Rotation	064 ó 147	Rotation effect with increasing speed
			148 ó 231	Reverse rotation effect with increasing speed
			232 ó 255	Gobo bounce
			000 ó 007	Open
	<u>^</u>	Duiana	008 ó 012	Prism on
	6	Prism	013 ó 130	Prism rotation with increasing speed
			131 ó 247	Reverse prism rotation with increasing speed
	7	Focus	248 ó 255 000 ó 255	Prism effect
	7	Focus	000 O 255	Motor focus, zoom out to zoom in Closed
			000 O 003 004 Ó 007	Open
			004 O 007 008 O 076	Strobe effect with increasing speed
	8	Shutter	008 O 078 077 Ó 145	Pulse strobe
			146 ó 215	Random shutter
			216 ó 255	Open
		I		- r -



Mode

Master/Slave The Master/Slave mode allows a single Intimidator™ Spot LED 350 unit (the "master") to control the actions of one or more Intimidator™ Spot LED 350 units (the "slaves") without the need of a DMX controller. The master unit will be set to operate in either Automatic or Sound-Active mode, while the slave units will be set to operate in Slave mode. Once set and connected, the slave units will operate in unison with the master unit.

Configure the units as indicated below.

Slave units:

- 1. Press <MODE/ESC> repeatedly until SLAv shows on the display.
- 2. Press <ENTER> to accept.
- 3. Set the DMX address to 001.
- 4. Connect the DMX input of the first slave unit to the DMX output of the master unit.
- 5. Connect the DMX input of the subsequent slave units to the DMX output of the previous slave unit.
- 6. Finish setting and connecting all the slave units.

Master unit:

- 1. Set the master unit to operate in either Automatic or Sound-Active mode.
- 2. Make the master unit the first unit in the DMX daisy chain.
- Configure all the slave units before connecting the master unit to the DMX daisy chain.



Never connect a DMX controller to a DMX string configured for Master/Slave operation because the controller may interfere with the signals from the master unit.

Do not connect more than 31 slave units to the master unit.

Reset Software To reset the software on the Intimidator[™] Spot LED 350, do the following:

- 1. Press <MODE/ESC> repeatedly until rESt shows on the display.
- 2. Press <ENTER>. The product will reset all settings in the software to the default factory settings.

Channel

Password The Intimidator™ Spot LED 350 contains a password-protected mode which allows you to calibrate and troubleshoot any small issues you may have during normal operation.

- In order to access this mode, do the following:
- 1. Press and hold <MODE/ESC> for at least 10 seconds.
- 2. Use the <UP> and <DOWN> buttons to enter the password: 2323.
- 3. Press <ENTER>.

In this mode there are several options for adjustment:

Parameter	Programming Steps	Description
Pan Adjust	P128	Manually adjust the pan angle
Tilt Adjust	t128	Manually adjust the tilt angle
Gobo Wheel Adjust	G128	Manually adjust the gobo wheel
Color Wheel Adjust	C128	Manually adjust the color wheel
Focus Adjust	F128	Manually adjust the focus
Prism Adjust	L000	Manually adjust the prism
Lamp Brightness Adjust	d000	Manually adjust the starting brightness of the lamp



5. TECHNICAL INFORMATION

Maintenance

Product Dust build up reduces light output performance and can cause overheating. This can lead to reduction of the light source's life. To maintain optimum performance and minimize wear, you should clean your lighting products at least twice a month. However, be aware that usage and environmental conditions could be contributing factors to increase the cleaning frequency.

To clean the product, follow the instructions below:

- Unplug the product from power. 1.
- 2. Wait until the product is at room temperature.
- Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on 3. the external surface/vents.
- 4. Clean all glass/transparent surfaces with a mild soap solution, ammonia-free glass cleaner, or isopropyl alcohol.
- Apply the solution directly to a soft, lint free cotton cloth or a lens cleaning tissue. 5.
- Softly drag any dirt or grime to the outside of the glass/transparent surface. 6.
- 7. Gently polish the glass/transparent surfaces until they are free of haze and lint.



Always dry the glass/transparent surfaces carefully after cleaning them.



Do not spin the cooling fan/fans using compressed air because you could damage it/them.

imensions and	Length	Width	Height	Weight
Weight	10.6 in (268 mm)	13.4 in (340 mm)	15.4 in (392 mm)	22.7 lb (10.3 kg)
	Note: Dimensions in inche	es rounded to the near	est decimal digit.	
Power	Power Supply Type	e Ra	ange	Voltage Selection
	Switching (internal)	100–240	V, 50/60 Hz	Auto-ranging
	Parameter	120 \	/, 60 Hz	230 V, 50 Hz
	Consumption	27	′2 W	285 W
	Operating	2	.2 A	1.2 A
	Power linking units	3	units	7 units
	Fuse	F 3 A	a, 250 V	F 3 A, 250 V
	Power I/O	US/We	orldwide	UK/Europe
	Power input connector	or I	EC	IEC
	Power output connect	or Ec	dison	IEC
	Power Cord plug	Ediso	on (US)	Local plug
Light Source	Туре	Po	ower	Lifespan
0	LED	7	5 W	50,000 hours
	Color	Qu	antity	Current
	White		1	17 A
Photo Optic	Parameter			
	Illuminance (12°)	94	90 lx	
	Zoom angle	12	2-17°	
	Strobe Rate	0—2	20 Hz	
	Pan & Tilt	5	40°	270°
	Pan/Tilt Ranges		60°, 180° Pan	270°, 180°, 90° Tilt
		24 mn	n outside	
	Gobo Size	20 mr	n image	
		1.1 mm	thickness	
Thermal	Maximum External Te	mp. Cooling	g System	
	104 °F (40 °C)	Fan-	cooled	
DMX	I/O Connectors	Conne	ctor Type	Channel Range
	3-pin XLR	So	ckets	8, 14
Ordering	Product Name	lterr	n Code	Item Number
5	Intimidator™ Spot LED		10463	INTSPOTLED350





To return a product or request support:

- In the U.S., contact Chauvet World Headquarters (See <u>Contact Us</u>).
- In the UK or Ireland, contact Chauvet Europe Ltd. (See Contact Us).
- In Mexico, contact Chauvet Mexico. (See <u>Contact Us</u>).
- In any other country, DO NOT contact Chauvet. Instead, contact your lighting distributor. See <u>www.chauvetlighting.com</u> for distributors outside the U.S., UK, Ireland, or Mexico.



Outside the U.S., UK, Ireland, or Mexico contact your distributor and follow their instructions on how to return Chauvet products to them. Visit our website for contact details.

Returns Call the corresponding Chauvet Technical Support office and request a Return Merchandise Authorization (RMA) number before shipping the product. Be prepared to provide the model number, serial number, and a brief description of the cause for the return.

You must send the merchandise prepaid, in its original box, and with its original packing and accessories. Chauvet will not issue call tags.

Clearly label the package with the RMA number. Chauvet will refuse any product returned without an RMA number.



Write the RMA number on a properly affixed label. DO NOT write the RMA number directly on the box.

Before sending the product, clearly write the following information on a piece of paper and place it inside the box:

- Your name
- Your address
- Your phone number
- RMA number
- A brief description of the problem

Be sure to pack the product properly. Any shipping damage resulting from inadequate packaging will be your responsibility. FedEx packing or double-boxing are recommended.



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

CONTACT US

General Information		Technical Support
Address:	5200 NW 108th Avenue	Voice: (954) 577-4455 (Press 4)
	Sunrise, FL 33351	Fax: (954) 756-8015
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Fax:	(954) 929-5560	
Toll free:	(800) 762-1084	World Wide Web www.chauvetlighting.com
UNITED KING	DOM AND IRELAND - Chauvet Eur	ope Ltd.
General Information		Technical Support
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	Lerma, Mexico C.P. 52000	World Wide Web www.chauvet.com.mx
Voice:	+52 (728) 285-5000	

Outside the U.S., United Kingdom, Ireland, or Mexico, contact the dealer of record and follow their instructions to request support or to return a product. Visit the Chauvet website for contact information.