

User Manual





PD Manager

Edition Notes

The Legend™ 1200E Spot User Manual Rev. 03c covers the description, safety precautions, installation, programming, operation, and maintenance of the Legend™ 1200E Spot product. CHAUVET® released this edition of the Legend™ 1200E Spot User Manual Rev. 03c in October 2010.

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For better results, print this document in color, on letter size paper (8.5 x 11 inches), double sided. If using A4 paper (210 x 297 mm), configure your printer to scale the content of this document to A4 paper.

Intended Audience

Any person in charge of installing, operating, and/or maintaining the Legend[™] 1200E Spot should read the guide that shipped with it as well as this manual in their entirety before installing, operating, or maintaining this product.

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Document Revision

The Legend™ 1200E Spot User Manual Rev. 03c supersedes all previous versions of this manual. Please discard any older versions of this manual you may have, whether in printed or electronic format, and replace them with this version.

Manager

Editor

Product at a Glance

O. Desmonteix D. Couppe		M. Graham	F. S	ellers	
Use on Dimmer		0	Auto Programs		\checkmark
Outdoor Use		0	Auto-ranging Power Supply		\checkmark
Sound Activated		0	Replaceable Fuse		\checkmark
DMX		✓	User Serviceable		0
Master/Slave		✓	CMY Color Mixing		\checkmark



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1. Before You Begin

What is Included

- One Legend™ 1200E Spot
- Two omega brackets
- Two hanging trigger clamps
- One flight case
- Warranty Card
- Quick Reference Guide

Unpacking Instructions

This product ships in a flight case. Immediately upon receiving this product, carefully unpack it and check the container in which you received it. Make sure that you have received all the parts indicated above and that they are all in good condition. If the material inside the container (this product and any other accessory included with it) appears damaged from shipping, or if the container shows signs of mishandling, notify the shipper immediately. In addition, retain the container and all the packing material for inspection.

See the Claims section in the Technical Information chapter.

Typographic Conventions

Convention	Meaning		
1~512	A range of values in the text		
50/60	A set of mutually exclusive values in the text		
[10]	A DIP switch to be configured		
Claims	A new term, or a section or chapter in this document		
"COLORado™ UM"	The name of another publication or manual		
<set></set>	A button on the fixture's control panel		
Settings	A fixture function or a menu option		
MENU > Settings	A sequence of menu options		
1~10	A range of menu values from which to choose in a menu		
Yes/No	A set of two mutually exclusive menu options in a menu		
ON	A unique value to entered or select in a menu		

Icon Meaning

Icon	Meaning
\triangle	This icon indicates critical installation, configuration, or operation information. Failure to comply with this information may render the fixture partially or completely inoperative, damage third-party equipment, or cause harm to the user.
(i)	This icon indicates important installation or configuration information. Failure to comply with this information may prevent the fixture from functioning correctly.
	This icon indicates useful, although non-critical information.



The term "DMX" used throughout this document refers to the USITT DMX512-A transmission protocol.



Safety Notes

Please read the following notes carefully because they include important safety information about the installation, usage, and maintenance of this product.

It is important to read all these notes before starting to work with this product.



There are no user serviceable parts inside this product. Any reference to servicing it you may find from now on in this User Manual will only apply to properly CHAUVET® certified technicians. Do not open the housing or attempt any repairs unless you are one of them.



Please refer to all applicable local codes and regulations for the proper installation of this product.



Keep this manual for future consultation. If you sell this product to another user, make sure that they also receive this manual.

Personal Safety

- Avoid direct eye exposure to the light source while the fixture is on.
- Always disconnect this product from its power source before servicing.
- <u>Lamp explosion hazard!</u> Do not open the lamp cover within five minutes of having turned off the fixture.
- The bulb remains hot for a long time after turn off. Never touch the bulb barehanded and always handle it by its metallic contacts.
- Always connect this product to a grounded circuit to avoid the risk of electrocution.
- Do not touch this product's housing when operating because it may be very hot.

Mounting and Rigging

- This product is for indoor use only! To prevent risk of fire or shock, do not expose this product to rain or moisture.
- Make sure there are no flammable materials close to this product while operating.
- When hanging this product, always secure it to a fastening device using a safety chain/cable (not provided).
- Do not carry this fixture from the head; use the handles instead.

Power and Wiring

- Always make sure that you are connecting this product to the proper voltage, as per the specifications in this manual or on the product's sticker.
- Never connect this product to a dimmer pack or rheostat.
- Make sure the product's housing or power cable are not cracked, crimped, or damaged.
- Never disconnect this product by pulling or tugging on the power cable.

Operation

- Do not operate this fixture if you see damage on the housing, lenses, ultraviolet filter, or cables; have the damaged parts replaced by an authorized technician at once.
- Do not cover the ventilation slots when the fixture is operating to avoid internal
 overheating.
- Do not aim this fixture toward the Sun. Otherwise, the lenses could concentrate the solar energy and cause internal overheating.
- The maximum ambient temperature (Ta) is 104° F (40° C). Do not operate this
 product at a higher temperature.
- In case of a serious operating problem, stop using this product immediately!



In the unlikely event that your CHAUVET® product may require service, please contact CHAUVET® Technical Support.



2. Introduction

Product Description

The Legend™ 1200E Spot is a moving yoke fixture with a 1200 W short arc discharge lamp. It contains an LCD control panel (display), through which all of the settings can be set or modified.

This fixture can operate at 200~240 VAC, 50/60 Hz, which eliminates the need for a voltage selection switch. The ballast and igniter in the lamp circuit are both of the electronic type.

Features

- 23 or 31-channel DMX moving yoke
- Pan 540° in 2.8 sec
- Tilt 270° in 1.6 sec
- Color wheel:

Seven colors + white (red, blue, pink, green, magenta, orange, and UV) Split/linear colors

Rainbow color spin at variable speeds

• Gobo wheel 1:

Indexed, rotating gobo wheel with gobo shake:

Six glass, slot-n-lock gobos + open (two multicolor, four B/W)

Gobo wheel spin at variable speeds

16-bit gobo rotation

· Gobo wheel 2:

Indexed, rotating gobo wheel with gobo shake:

Six glass, slot-n-lock gobos + open (one multicolor, five B/W)

Gobo wheel spin at variable speeds

16-bit gobo rotation

- Variable frost
- Variable CTC filter (3,200~6,000 K)
- CMY color mixing system with vector speed adjustments
- 3-facet, 5-facet, 3D, and infinite prism with macros
- Variable shutter
- Variable iris
- · Variable focus
- Variable 16-bit dimming (0~100%)
- Linear zoom (15~30°)
- Individual reset of pan/tilt, color, gobo, shutter, prism, focus
- Move-in-black for pan/tilt, color, gobo
- · Remote fixture reset, lamp on/off, vector speed adjustments
- Built-in movement macros with range adjustments
- Built-in color macros

Additional Features

- 3-pin and 5-pin DMX connections
- Two additional free glass gobos
- User-configurable lamp ignition delay
- User-configurable maintenance reminder
- Electronic ballast with power factor correction
- Electronic power supply
- Automatic pan & tilt correction
- Pan & tilt locks
- Lamp and fixture usage timer
- Power saver mode

Options

- W-DMX (wireless DMX) receiver
- W-DMX (wireless DMX) transmitter



DMX Channel Summary

31-Channel Mode

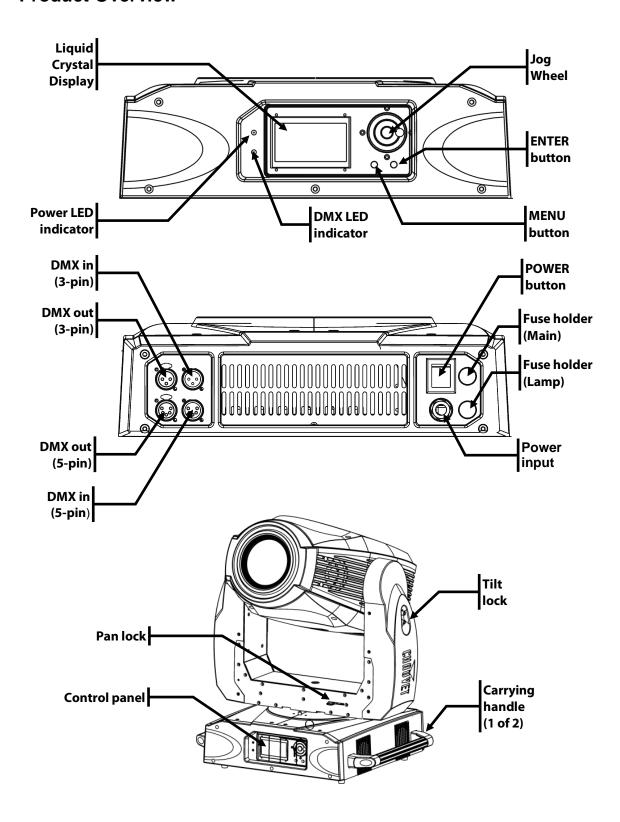
Channel	Function	
1	Pan	
2	Pan fine	
3	Tilt	
4	Tilt fine	
5	Pan/tilt speed	
6	Dimmer	
7	Dimmer fine	
8	Shutter	
9	Color	
10	Cyan	
11	Magenta	
12	Yellow	
13	3,200 K (CTO)	
14	CMY/CTO Filter Speed	
15	Gobo 1	
16	Gobo 1 rotation	
17	Gobo 1 rotation fine	
18	Gobo 2	
19	Gobo 2 rotation	
20	Gobo 2 rotation fine	
21	Focus	
22	Zoom	
23	Effect/prism	
24	Effect/prism rotation	
25	Iris	
26	Frost	
27	Pan/tilt Movement macro	
28	Pan/tilt Movement macro range	
29	Preset Color	
30	Color macro (CMY)	
31	Function	

23-Channel Mode

Channel	Function	
1	Pan	
2	Pan fine	
3	Tilt	
4	Tilt fine	
5	Pan/tilt speed	
6	Dimmer	
7	Shutter	
8	Color	
9	Cyan	
10	Magenta	
11	Yellow	
12	3,200 K (CTO) Filter	
13	Gobo 1	
14	Gobo 1 rotation	
15	Gobo 2	
16	Gobo 2 rotation	
17	Focus	
18	Zoom	
19	Effect/prism	
20	Effect/prism rotation	
21	Iris	
22	Frost	
23	Function	

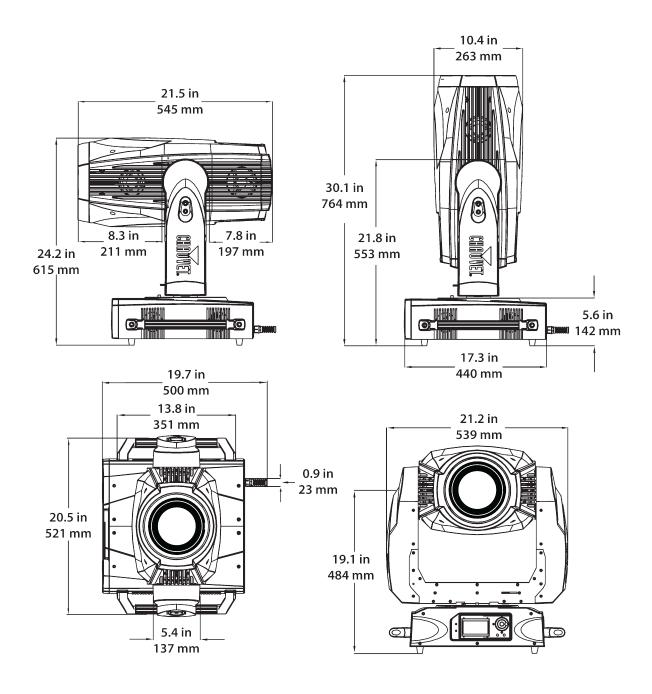


Product Overview





Product Dimensions





3. Setup

AC Power

The Legend™ 1200E Spot has an auto-ranging power supply that can work with an input voltage range of 200~240 VAC, 50/60 Hz.

Make sure that you are connecting this product to the proper voltage, as per the specifications in this guide, the product's user manual, or on the product's sticker.



Always connect the Legend™ 1200E Spot to a protected circuit with an appropriate electrical ground to avoid the risk of electrocution or fire.

To determine the power requirements for the Legend™ 1200E Spot see the label affixed to the bottom of the fixture. Alternatively, you may refer to the corresponding specifications chart in the *Technical Information* chapter of this manual.

The listed current rating indicates the maximum current draw during normal operation. For more information, you may download the "Sizing the Circuit Breakers" document from the CHAUVET® Web site.



Never connect the Legend™ 1200E Spot to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.

AC Plug

The Legend[™] 1200E Spot has a bare-ended power input cord that is hard-wired to the base of the fixture. Use the table below to wire a plug for the power cord.

Connection	Wire (US)	Wire (Europe)	Screw Color
AC Live	Black	Brown	Yellow or Brass
AC Neutral	White	Blue	Silver
AC Ground	Green/Yellow	Green/Yellow	Green



Make sure to disconnect the fixture's power cord before replacing a blown fuse, and always replace it with a fuse of the same type and rating.

Fuse Replacement

- 1) With a Phillips #2 screwdriver, unscrew the fuse holder from its housing.
- Remove the blown fuse from its holder and replace it with a good fuse of the exact same type and rating.
- 3) Screw the fuse holder back in its place and reconnect power.

DMX Linking

You may link any Legend™ 1200E Spot fixture to a DMX controller using a standard DMX serial connection. If using other DMX compatible fixtures with a Legend™ 1200E Spot, it is possible to control them individually with a single DMX controller.

If you are not familiar with the DMX standard, or if you need information about the DMX cables needed to link the Legend[™] 1200E Spot fixture to a DMX controller, you may download the "DMX Primer" document from the CHAUVET® Web site.

DMX Modes

The LegendTM 1200E Spot can operate in 23 and 31-channel DMX modes. You will find information about these DMX modes in the *Introduction* chapter (brief description), the *Operation Instructions* chapter (configuration details), and the *DMX Values* section (individual channel values).



Mounting

Before mounting this fixture, read and follow the safety recommendations indicated in the Safety Notes section (page 2 of this manual).

Orientation

Always mount this fixture in any safe position while making sure that there is adequate room around it for ventilation, configuration, and maintenance.

Make sure to mount this fixture away from any flammable material as indicated in the Safety Notes section.

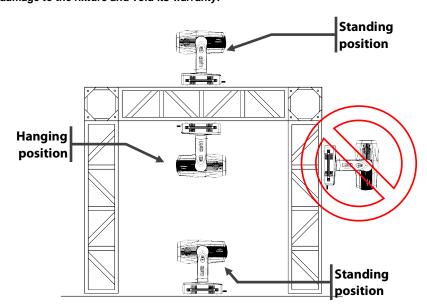
Rigging

The Legend[™] 1200E Spot comes with two omega brackets and two clamps. You will have to use two mounting points per fixture. You can also mount the Legend 1200E Spot on the floor or any other firm, horizontal surface. CHAUVET® recommends following the general guidelines below when mounting the Legend[™] 1200E Spot.

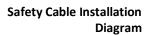
- When selecting an installation location, consider ease of access to the fixture for operation, programming adjustments, and routine maintenance.
- Never mount the fixture in places where rain, high humidity, extreme temperature changes, or restricted ventilation may affect it.
- If hanging this fixture, make sure that the location where you are mounting the
 fixture can support its weight. Please see the *Technical Specifications* section of this
 manual for the weight requirement of this fixture.

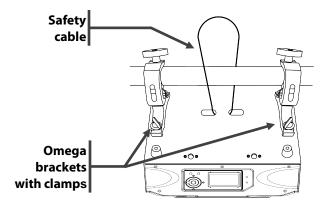


Only mount this fixture where the base is in a horizontal position, either hanging or standing, as indicated in the diagram below. Doing otherwise may cause damage to the fixture and void its warranty.



Product Mounting Diagram

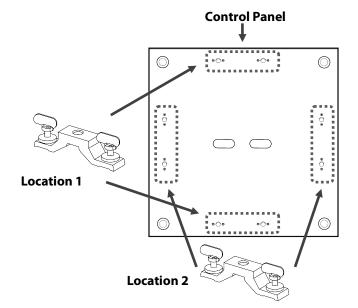






Bracket Installation

You can mount the included brackets on either side of the mounting plate. This allows for positioning the fixture's base in the best possible orientation to access the control panel and the fuses.



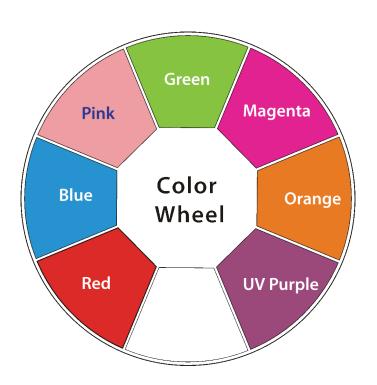
Bracket Mounting Diagram

Optics

The Legend 1200E Spot has one color wheel with seven colors and two gobo wheels that support six rotating, slot-n-lock gobos each. The colors in the color wheel are not replaceable, but the gobos are.

Color Wheel

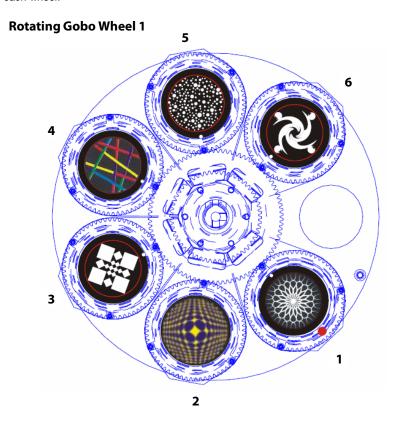
The diagram below shows the color wheel and the names of each of the seven color filters on it.

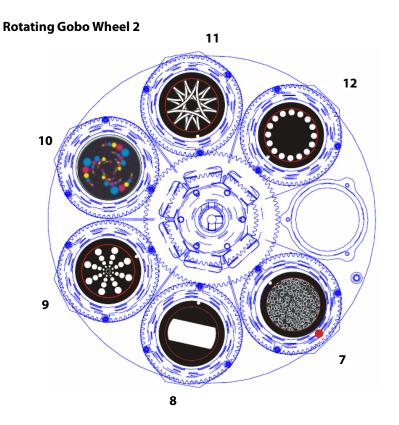




Gobo Wheels

The diagram below shows both gobo wheels and the number assigned to each gobo on each wheel.



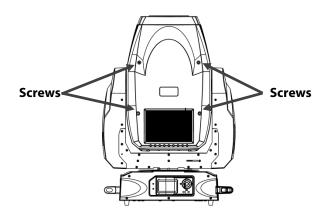




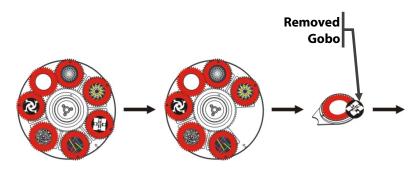
Replacing Gobos

The gobos in the Legend 1200E Spot's gobo wheels are removable from their gobo plates. This operation is quite simple, although it requires the technician to be careful and to follow the recommended procedure.

- Make sure to disconnect the fixture's power cord before replacing a gobo.
- Always replace a gobo with a gobo of the same dimensions.
 - When inserting a glass gobo, always make sure that the shinny side of the gobo (glass base) faces the lamp. This provides a layer of protection against the high temperature from the lamp.
 - 1) Turn the fixture off and disconnect it from the power outlet.
 - Open the head cover by loosening the four fastening screws at the sides of the top cover.
 - 3) Separate the gobo plate away from the gobo wheel by pushing it toward the front of the moving head. Be careful not to push the gobo out of the gobo plate.
 - 4) Once released from its slot, extract the gobo plate by pulling it outward.
 - 5) On a flat surface, remove the expansion ring that holds the gobo in place and remove the gobo from the gobo plate.
 - 6) Insert a new gobo and hold it in place with the expansion ring.
 - Slide the tip of the gobo plate under the pressure plate near the center of the gobo wheel.
 - 8) Push the gobo plate inwards. DO NOT force the gobo plate into the gobo wheel slot. If correctly installed, the gobo plate should accommodate itself in the gobo wheel slot.



Cover Screws Location



Gobo Removal Sequence



Lamp Replacement

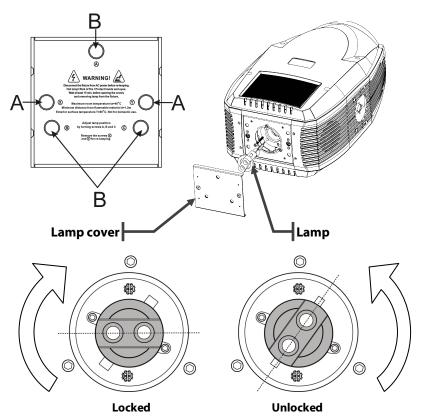
The Legend 1200E Spot is equipped with a Phillips MSR1200SA/SE FastFit lamp. This lamp uses a socket that allows for fast and easy lamp changes. Follow the procedure below to safely change the Legend 1200E Spot's lamp.



Never touch the lamp's envelope (glass bulb) with your bare hands. FastFit lamps do not require touching the lamp's envelope during removal or installation. If you touched the lamp's envelope, clean it with isopropyl alcohol and wipe it with a lint-free cloth before installing it.

Procedure

- 1) Turn the fixture off and disconnect it from the power outlet.
- 2) Wait at least 15 minutes for the lamp to cool down.
- 3) Loosen the two screws on the lamp cover (marked "A" in the diagram).
- 4) Lift and rotate the lamp cover as per the diagram to expose the base of the lamp.
- 5) Rotate the ceramic base of the lamp 90° counterclockwise.
- 6) Pull the lamp out by holding it from its base only.
- 7) Insert the new lamp and turn it 90° clockwise.
- 8) Reverse steps 3 and 4.
- 9) Use the adjustment screws (marked "B" in the diagram) to position the lamp in the center of the reflector to obtain the best output.



Lamp Replacement Diagram

FastFit Socket Positions

Increasing the Lamp's Life

- NEVER turn the fixture's power off while the lamp is striking, as this can damage the lamp permanently.
- ALWAYS turn the lamp off by using the DMX controller or the fixture's control panel.
 Then wait at least five minutes before switching off the fixture. This will keep the fans running to extract any remaining heat from the fixture's head.
- · ALWAYS wait 15 minutes to turn the lamp back on.
- DO NOT touch the lamp without wearing gloves to avoid leaving grease on the bulb or on the contacts that could reduce the lamp's life.
- ALWAYS change the lamp when it has reached its recommended lifespan to avoid the risk of lamp explosion.

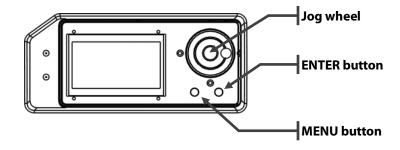


4. Operation

Control Panel Description

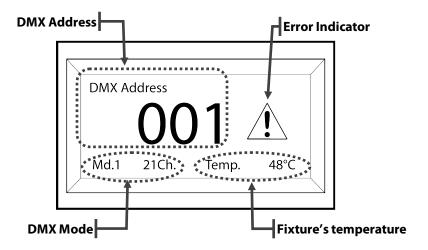
Button	Function		
<menu></menu>	Exits from the current menu or function		
<enter></enter>	Enables the currently displayed menu or sets the currently selected value in to the current function		
<jog wheel=""></jog>	Navigates upwards through the menu list and increases the numeric value when in a function		

Control Panel Diagram



Home Screen

Upon power up, the LCD will show the Legend logo and the fixture's identification. After completing the power up tests, the LCD will show the DMX address, the DMX mode, and the fixture's temperature, along with the warning sign if the tests have detected an error.





- When the warning sign shows, press <ENTER> to read the corresponding error message (see Error Messages in the Technical Information chapter).
- Press <ENTER> while looking at an error messages to clear it.

Control Options

You can set the LegendTM 1200E Spot's start address in the 001~512 DMX range. This allows for the control of up to 22 fixtures in the 23-channel DMX Mode 1 and up to 16 fixtures in the 31-channel DMX Mode 2.



Menu Map

Main Menu Level	2 nd Level	3 rd Level	4 th Level	
	DMX Address	1~512		
		Mode 1 (23)		
	DMX Channel Mode	Mode 2 (31)	N/A	
DMX Functions	View DMX Value	N/A		
	WDMX Setting	Active		
	(Requires optional	Retransmit	No/Yes	
	W-DMX card)	Reset Memory		
	Pan Inverse			
	Tilt Inverse			
- 1. 0	Bl.o. P/T Moving	¬	51/4	
Fixture Settings	Bl.o. Color Change	No/Yes	N/A	
	Bl.o. Gobo Change			
	Auto Focus			
	On/Off	01011		
	State/Power On	On/Off		
	Off Via DMX			
	On if DMX On	On if DMX On No/Yes		
Lamp Settings	Off if DMX Off		N/A	
	Cooling Mode	High/Auto		
	Ignition Delay	0.055		
	Low Power Delay	0~255		
	Display Inverse	NeWee		
Diamley Cottings	Back Light Auto Off	No/Yes	N/A	
Display Settings	Back Light Intensity	Back Light Intensity 1~10		
	Temperature Unit	°C/°F		
First van Toot	Auto Test	N/A	NI/A	
Fixture Test	Manual Test	000~255	N/A	
	Fixture use time	N/A		
Fixture Information	Lamp On Time	Exit/ Reset Time	N/A	
	Firmware Version	N/A		
	Pan & Tilt			
Reset Function	Color			
	Gobo & Iris		N/A	
	Shutter & Dimmer	No/Yes		
	Focus & Zoom			
	Prism & Frost			
	All			
Special Eurotions	Fixture Maintenance	Interval/Remain Time	N/A	
Special Functions	Factory Settings	Yes/No	IW A	



Programming

Carry out all the programming procedures indicated below from the control panel. Refer to the *Menu Map* page to learn how the menu options relate to each other.

Navigation Control

The Control Panel's liquid crystal display (LCD) shows the menu items you select. When you select a menu function, the display will show the available options for the selected function with the first one already highlighted.

If not at the home screen, press <MENU> repeatedly until the home screen shows.

To enter programming mode from the home screen, press <MENU>. This is the first menu level.

To highlight functions or options from a screen, rotate the jog wheel and stop at the desired function or option.

To accept the highlighted option, press **<ENTER>**. This may open another screen, as per the **Menu Map**.

To activate or enable a selected option, press <ENTER>.

To return to the previous screen without changing the current option's value, press <menu>.

DMX Operation

The Legend 1200E Spot operates always in standard DMX mode (no "Slave," "Auto," or "ID addressing" modes). The options in the DMX Operation section set the starting DMX address and the DMX mode as well as show the fixture's DMX configuration. To access this section, do the following:

- 1) Press <MENU>.
- 2) Select DMX Functions.
- 3) Select the corresponding function as indicated below.
- 4 Press <MENU> to exit once you are done with this section.

DMX Address

To select the starting DMX address, do the following:

- 1) Select DMX Address.
- 2) Select a DMX address (001~512).
- 3) Press <ENTER>.

DMX Modes

To select the DMX mode, whether Basic (23 channels) or Advanced (31 channels), do the following:

- 1) Select **DMX Channel Mode**.
- 2) Select Mode 1 (23) (Basic) or Mode 2 (31) (Advanced).
- 3) Press <ENTER>.

View DMX Values

This option shows the values for all the fixture's DMX functions, from the first channel (starting address) to the last channel (23 for Basic and 31 for Advanced).

- 1) Select View DMX Value.
- 2) Press **<ENTER>** (the values will show on the screen).
- 3) Scroll with the jog wheel to see all values.
- 4) Press <MENU> to exit.

Fixture Settings

The options in the Fixture Settings section set the pan and tilt modes as well as the blackout options. To access this section, do the following:

- 1) Press <MENU>.
- 2) Select Fixture Settings.
- 3) Select the corresponding function as indicated below.
- 4) Press <MENU> to exit once you are done with this section.

Pan Reversal

This option reverses the pan angle assignments from $000 = 0^{\circ}$ and $255 = 540^{\circ}$ to $000 = 540^{\circ}$ and $255 = 0^{\circ}$.

- 1) Select Pan Inverse.
- 2) Select Yes (reversed assignments) or No (normal assignments).
- 3) Press <ENTER>.



Tilt Reversal

This option reverses the tilt angle assignments from $000 = 0^{\circ}$ and $255 = 270^{\circ}$ to $000 = 270^{\circ}$ and $255 = 0^{\circ}$.

- 1) Select Tilt Inverse.
- 2) Select Yes (reversed assignments) or No (normal assignments).
- 3) Press <ENTER>.

Blackout During Head Motion

This option enables the blackout feature while the fixture head is moving (panning or tilting).

- 1) Select Bl.o. P/T Moving.
- 2) Select Yes (blackout enabled) or No (blackout disabled).
- 3) Press <ENTER>.

Blackout During Color Change

This option enables the blackout feature while the fixture is changing colors.

- 1) Select Bl.o. Color Change.
- 2) Select Yes (blackout enabled) or No (blackout disabled).
- 3) Press <ENTER>.

Auto Focus

This option enables the auto focus feature while the fixture is zooming from narrow to wide and vice versa.

- 1) Select Auto Focus.
- 2) Select Yes (auto focus enabled) or No (autofocus disabled).
- 3) Press <ENTER>.

Lamp Settings

The Lamp Settings section comprises all the parameters that affect the fixture's lamp and its operation. To access this section, do the following:

- Press < MENU>.
- 2) Select Lamp Settings.
- 3) Select the corresponding function as indicated below.
- 4) Press <MENU> to exit once you are done with this section.

Lamp On/Off

This option allows turning the lamp off and back on without having to power cycle the fixture.

- 1) Select On/Off.
- 2) Select Yes or No.
- 3) Press <ENTER>.

The lamp will turn on or off after pressing <ENTER>.

Immediate or Delayed Lamp Strike

This option allows the lamp to strike immediately (Yes) or in delayed mode (No) after powering on the fixture. Delaying the lamp strike reduces the inrush current.

- 1) Select State/Power On.
- 2) Select Yes (immediate) or No (delayed).
- 3) Press <ENTER>.



The "Ignition Delay" option on page 17 controls the delay between power on and the lamp striking.

Lamp On/Off Remote Control

This option allows the lamp to turn the lamp off and back on from the DMX controller.

- Select Off Via DMX.
 - 2) Select Yes or No
 - 3) Press <ENTER>.

Lamp On When DMX is Present

When enabled (Yes), this option turns the lamp on when DMX signal is present.

- 1) Select On if DMX On.
- 2) Select Yes or No
- 3) Press <ENTER>.



Lamp Off When DMX is Absent

When enabled (Yes), this option turns the lamp off when DMX signal is absent.

- 1) Select Off if DMX Off.
- 2) Select Yes or No
- 3) Press <ENTER>.

Cooling Mode

This option determines the speed of the cooling fans, whether always high or automatic.

- 1) Select Cooling Mode.
- 2) Select High or Auto.
- 3) Press <ENTER>.

Ignition Delay

When the **State/Power On** option is active, this setting configures the delay before the lamp strikes after power on.

- 1) Select Ignition Delay.
- 2) Select the ignition delay in seconds (000 to 255).
- 3) Press <ENTER>.

Lamp Dousing

This option decreases the lamp power after the shutters/dimmers have been closed for a configurable time to reduce the internal heat accumulation.

- 1) Select Low Power Delay.
- 3) Select the time delay in seconds (000~255).
- 4) Press <ENTER>.

Display Settings

The options in the Display Settings section control the operation of the fixture's LCD. To access this section, do the following:

- 1) Press < MENU>.
- 2) Select Display Settings.
- 3) Select the corresponding function as indicated below.
- 4) Press **<MENU>** to exit once you are done with this section.

Display Reversal

This option reverses the LCD orientation (180°) to read it upright when the fixture is hanging from a truss.

- 1) Select On/Off.
- 2) Select Yes or No.
- 3) Press <ENTER>.

Back Light Automatic Off

This option determines whether the LCD backlight will turn off automatically after 30 seconds of control panel inactivity.

- 1) Select Back Light Automatic Off.
- 2) Select Yes or No.
- 3) Press <ENTER>.

Back Light Intensity

This option selects the intensity of the LCD backlight.

- 1) Select Back Light Intensity.
- 2) Select 1~10.
- 3) Press <ENTER>.

Temperature Unit

When enabled (Yes), this option turns the lamp on when DMX signal is present.

- 1) Select On if DMX On.
- 2) Select °C (Celsius) or °F (Fahrenheit).
- 3) Press <ENTER>.



Fixture Tests

The options in the Lamp Settings section control what tests the fixture will run. To access this section, do the following:

- 1) Press < MENU>.
- 2) Select Fixture Tests.
- 3) Select the corresponding function as indicated below.
- 4) Press <MENU> to exit once you are done with this section.

Auto Test

This option sets the fixture to run the automatic test.

- 1) Select Auto Test.
- 2) Press <ENTER>.

The fixture will run a single sequence of tests to verify all its functions.

Manual Test

This option allows the operator to select which tests to run.

- 1) Select Manual Test.
- 2) Select a function from the list (1~21).
- 3) Set the value (000~255) for the selected function (the fixture will assume the new function value, as if you had used a DMX controller).
- 4) Press <ENTER>.
- 5) Repeat steps 2 through 4 for the other functions.
- 6) When done with the test, press <MENU> (the fixture will go back to DMX mode and all the manually entered values will become 000).

Fixture Information

The options in the Fixture Information section control the fixture usage timers and show the firmware version. To access this section, do the following:

- 1) Press <MENU>.
- 2) Select Fixture Information.
- 3) Select the corresponding function as indicated below.
- 4) Press <MENU> to exit once you are done with this section.

Fixture Operation Timer

This option shows the time the fixture has been in operation.

- 1) Select Fixture use time.
- 2) Press <ENTER>.

The fixture will show the accumulated time of operation.



The Fixture Use Time is not resettable.

Lamp Operation Timer

This option allows the operator see the fixture and lamp usage timers as well to reset the lamp usage timer after changing the lamp.

- 1) Select Lamp On Time (the accumulated lamp usage time will show).
- 2) Select Exit or Reset Time (do this only after changing the lamp).
- 3) Press <ENTER>.

Firmware Version

This option shows the installed firmware version for each of its various microcontrollers.

- 1) Select Firmware Version.
- 2) Press **<ENTER>**.

Fixture Reset

The options in the Fixture Reset section control the resetting of the various functions of this fixture. To access this section, do the following:

- 1) Press <MENU>.
- 2) Select Reset Function.
- 3) Select the corresponding function as indicated below.
- 4) Press <MENU> to exit once you are done with this section.



Pan & Tilt

This option resets the pan and tilt of the fixture's head to their corresponding home positions.

- 1) Select Pan & Tilt.
- 2) Select Yes (reset) or No (exit without resetting).
- 2) Press <ENTER>.

The fixture's will move to the pan and tilt home positions.

Color

This option resets the color wheel to its corresponding home position.

- 1) Select Color.
- 2) Select Yes (reset) or No (exit without resetting).
- 2) Press <ENTER>.

The color wheel will move to its home position.

Shutter & Dimmer

This option resets the shutter and dimmer to their corresponding home positions.

- 1) Select Shutter & Dimmer.
- 2) Select Yes (reset) or No (exit without resetting).
- 2) Press <ENTER>.

The shutter and dimmer will move to their corresponding home positions.

Zoom

This option resets the zoom to its home position.

- 1) Select Zoom.
- 2) Select Yes (reset) or No (exit without resetting).
- 2) Press <ENTER>.

The zoom will move to its home position.

ΑII

This option resets all the motors to their corresponding home positions.

- Select AII.
- 2) Select Yes (reset) or No (exit without resetting).
- 2) Press <ENTER>.

All motors will move to their corresponding home positions.

Special Functions

The Special Functions section comprises the maintenance timer options and the factory default option. To access this section, do the following:

- 1) Press <MENU>.
- 2) Select Special Functions.
- 3) Select the corresponding function as indicated below.
- 4) Press <MENU> to exit once you are done with this section.

Fixture Maintenance Timers

This fixture has a built-in timer to remind the operator that it is time for the fixture's routine maintenance. When the preset time elapses, the warning icon shows on the LCD.

- 1) Select Fixture Maintenance.
- 2) To change the maintenance interval timer,
 - a) Select Interval.
 - b) Select the new interval (in hours).
 - c) Press <MENU>.
- 3) To reset the remaining time counter,
 - a) Select Remain Time.
 - b) Select Reset Time (reset the timer) or Exit (exit without resetting).
 - c) Press <MENU>.



Factory Default

If you want to default the fixture to its factory configuration, follow the following steps:

- 1) Select Factory Settings.
- 3) Select **Yes** (default fixture) or **No** (exit without defaulting).
- 4) Press <ENTER>.



- The above operation will default all the fixture's parameters to their original factory configuration values.
- . Defaulting the fixture does not affect the home position settings.

Offset Mode

The Offset Mode provides fine adjustments for the home position of all the moving parts in the optical path as well as the pan and tilt movements. The home position is where the moving parts go when you reset them. In their corresponding home position, the moving parts should not show any border or reduce the light output. If they do, use the Offset Mode to fine adjust them.

Entering Offset Mode

- 1) Press <MENU> to enter the regular Menu Mode.
- Press <ENTER> for more than three seconds to enter the Offset Mode (the Offset Mode menu will show).
- 4) Press <MENU> to exit once you are done with offset adjustments.

Pan Motor

- 1) Select *Pan* and press <ENTER> (a pop up window will open).
 - a) Select the new value (-128~127).
 - b) Accept the new value.

Tilt Motor

- 1) Select *Tilt* and press **<ENTER>** (a pop up window will open).
 - a) Select the new value (-128~127).
 - b) Accept the new value.

Shutter Motor

- 1) Select **Shutter** and press **<ENTER>** (a pop up window will open).
 - a) Select the new value (0~255).
 - b) Accept the new value.

Color Motor

- 1) Select Color 1 and press <ENTER> (a pop up window will open).
 - a) Select the new value (-128~127).
 - b) Accept the new value.

Cyan Dichroic Flag Motor

- 1) Select *Cyan* and press **<ENTER>** (a pop up window will open).
 - a) Select the new value (0~255).
 - b) Accept the new value.

Magenta Dichroic Flag Motor

- 1) Select *Magenta* and press <ENTER> (a pop up window will open).
 - a) Select the new value (0~255).
 - b) Accept the new value.

Yellow Dichroic Flag Motor

- 1) Select **Yellow** and press **<ENTER>** (a pop up window will open).
 - a) Select the new value (0~255).
 - b) Accept the new value.

3200 K Filter Dichroic Flag Motor

- 1) Select 3200 K Filter and press <ENTER> (a pop up window will open).
 - a) Select the new value (0~255).
 - b) Accept the new value.

Gobo 1 Motor

- 1) Select **Gobo 1** and press **<ENTER>**.
 - a) Select the new value (-128~127).
 - b) Accept the new value.



R-Gobo 1 Motor 1) Select R-Gobo 1 and press <ENTER>.

a) Select the new value (-128~127).

b) Accept the new value.

Gobo 2 Motor 1) Select Gobo 2 and press <ENTER>.

a) Select the new value (-128~127).

b) Accept the new value.

R-Gobo 2 Motor 1) Select R-Gobo 2 and press <ENTER>.

a) Select the new value (-128~127).

b) Accept the new value.

Iris Motor 1) Select Iris and press <ENTER>.

a) Select the new value (0~255).

b) Accept the new value.

Prism Motor 1) Select *Prism* and press **<ENTER>**.

a) Select the new value (0~255).

b) Accept the new value.

R-Prism Motor 1) Select R-Prism and press <ENTER>.

a) Select the new value (-128~127).

b) Accept the new value.

Frost Motor 1) Select Frost and press <ENTER>.

a) Select the new value (0~255).

b) Accept the new value.

Focus Motor 1) Select Focus and press <ENTER>.

a) Select the new value (0~255).

b) Accept the new value.

Zoom Motor 1) Select **Zoom** and press **<ENTER>**.

a) Select the new value (0~255).

b) Accept the new value.



DMX Values

Mode 1 (Basic)

Channel	Function	Value	Percent/Setting
1	Pan	000 ⇔ 255	0~540°
2	Pan Fine	000 ⇔ 255	0~100%
3	Tilt	000 ⇔ 255	0~270°
4	Tilt Fine	000 ⇔ 255	0~100%
5	Pan/Tilt Speed	000 ⇔ 255	Fast~slow
6	Dimmer	000 ⇔ 255	0~100%
-		000 😂 007	Closed
		008 ⇔ 015	Open
_		016 ⇔ 131	Macro 1 (open~closed) (slow~fast)
7	Shutter	132 🖨 167	Macro 2 (open~closed) (fast~slow)
		168 ⇔ 203 204 ⇔ 239	Macro 3 (open~closed) (slow~fast~slow) Random Strobe
		240 ⇔ 255	Open
		000 007	Open (white)
		008 🗢 015	Red
		016 ⇔ 023	Dark Blue
		024 🗢 031	Pink
		032 🜣 039	Green Yellow
8	Color	040 ⇔ 047 048 ⇔ 055	Orange
		056 ⇔ 063	UV
		064 ⇔ 127	Split Colors
		128 ⇔ 189	CCW rotation (fast~slow)
		190 😂 193	Stop
	C	194 🜣 255	CW rotation (slow~fast)
9	Cyan	000 ⇔ 255	0~100%
10	Magenta	000 ⇔ 255	0~100%
11	Yellow	000 ⇔ 255	0~100%
12	3200 K Filter	000 ⇔ 255	0~100%
		000 ⇔ 009 010 ⇔ 019	Open (white) Gobo 1
		020 🖘 028	Gobo 2
		029 ⇔ 038	Gobo 3
		039 ⇔ 047	Gobo 4
		048 👄 057	Gobo 5
		058 ⇔ 067 068 ⇔ 077	Gobo 6 Gobo 1 shake
13	Gobo 1	078 ⇔ 087	Gobo 2 shake
		088 ⇔ 097	Gobo 3 shake
		098 ⇔ 107	Gobo 4 shake
		108 😂 117	Gobo 5 shake
		118 ⇔ 127 128 ⇔ 189	Gobo 6 shake CCW rotation (fast~slow)
		190 🖨 193	Stop
		194 ⇔ 255	CW rotation (slow~fast)
		000 ⇔ 127	Gobo indexing
14	R-Gobo 1	128 🖨 189	CCW rotation (fast~slow)
		190 ⇔ 193 194 ⇔ 255	Stop CW rotation (slow~fast))
		000 \ 009	Open (white)
		010 ⇔ 019	Gobo 7
		020 🖘 028	Gobo 8
		029 ⇔ 038	Gobo 9
,-		039 😂 047	Gobo 10
15	Gobo 2	048 ⇔ 057 058 ⇔ 067	Gobo 11 Gobo 12
		068 ⇔ 077	Gobo 7 shake
		078 ⇔ 087	Gobo 8 shake
		088 🗢 097	Gobo 9 shake
		098 ⇔ 107	Gobo 10 shake



Mode 1 (Cont.)

Channel	Function	Value	Percent/Setting
15	Gobo 2 (Cont.)	108 \(\Delta\) 117 118 \(\Delta\) 127 128 \(\Delta\) 189 190 \(\Delta\) 193 194 \(\Delta\) 255	Gobo 11 shake Gobo 12 shake CCW rotation (fast~slow) Stop CW rotation (slow~ fast)
16	R-Gobo 2	000 \(\Delta\) 127 128 \(\Delta\) 189 190 \(\Delta\) 193 194 \(\Delta\) 255	Gobo indexing CCW rotation (fast~slow) Stop CW rotation (slow~fast)
17	Focus	000 ⇔ 255	Narrow~wide
18	Zoom	000 ⇔ 255	15~30°
19	Effect/prism	000 ⇔ 025 026 ⇔ 050 051 ⇔ 076 077 ⇔ 101 102 ⇔ 127 128 ⇔ 255	Open Effect 1 Effect 2 Effect 3 Effect 4 Effect Macro 1~24
20	R-Effect/Prism	000 \(\Delta\) 127 128 \(\Delta\) 189 190 \(\Delta\) 193 194 \(\Delta\) 255	Gobo indexing CCW rotation (fast~slow) Stop CW rotation (slow~fast)
21	Iris	000 ⇔ 255	100~0%
22	Frost	000 ⇔ 179 180 ⇔ 201 202 ⇔ 223 224 ⇔ 245 246 ⇔ 255	0~100% Open ⇔ closed (fast~slow) Closed ⇔ open (fast~slow) Frost Frost effect
23	Function	000 \(\Delta \) 009 010 \(\Delta \) 019 020 \(\Delta \) 029 030 \(\Delta \) 039 040 \(\Delta \) 049 050 \(\Delta \) 089 070 \(\Delta \) 079 080 \(\Delta \) 089 100 \(\Delta \) 139 110 \(\Delta \) 139 140 \(\Delta \) 149 150 \(\Delta \) 159 160 \(\Delta \) 169 170 \(\Delta \) 179 180 \(\Delta \) 189 190 \(\Delta \) 299 210 \(\Delta \) 219 220 \(\Delta \) 239 240 \(\Delta \) 255	No function Auto focus (enable) Auto focus (disable) Fan speed (auto) Fan speed (high) No function Pan/tilt move-in-black (enable) Pan/tilt move-in-black (disable) Color move-in-black (disable) Color move-in-black (disable) Gobo move-in-black (disable) Gobo move-in-black (disable) Lamp On Pan/tilt reset Color reset Gobo1/Gobo2/Iris reset Shutter reset Focus/zoom reset Frost/effect reset Reset all Pan/tilt/color/gobo move-in-black (disable) Lamp off No function

End of Mode 1



Mode 2 (Advanced)

Channel	Function	Value	Percent/Setting			
1	Pan	000 ⇔ 255	0~540			
2	Pan fine	000 ⇔ 255	0~100%			
3	Tilt	000 ⇔ 255	0~270			
4	Tilt fine	000 ⇔ 255	0~100%			
5	Pan/tilt Speed	000 ⇔ 255	Fast~slow			
6	Dimmer	000 ⇔ 255	0~100%			
7	Dimmer fine	000 ⇔ 255	0~100%			
		000 🖘 007	Closed			
8	Shutter	008 ⇔ 015 016 ⇔ 131 132 ⇔ 167 168 ⇔ 203 204 ⇔ 239 240 ⇔ 255	Macro 1 (open~closed) (slow~fast) Macro 2 (open~closed) (fast~slow) Macro 3 (open~closed) (slow~fast~slow) Random Strobe Open			
9	Color	000 ⇔ 007 008 ⇔ 015 016 ⇔ 023 024 ⇔ 031 032 ⇔ 039 040 ⇔ 047 048 ⇔ 055 056 ⇔ 063 064 ⇔ 127 128 ⇔ 189 190 ⇔ 193 194 ⇔ 255	Open (white) Red Dark Blue Pink Green Yellow Orange UV Split Colors CCW rotation (fast~slow) Stop CW rotation (slow~fast)			
10	Cyan	000 ⇔ 255	0~100%			
11	Magenta	000 ⇔ 255	0~100%			
12	Yellow	000 ⇔ 255	0~100%			
13	3200 K Filter	000 ⇔ 255	0~100%			
14	Filters Speed	000 ⇔ 255	Fast~slow			
15	Gobo 1	000 \(\Delta \) 009 010 \(\Delta \) 019 020 \(\Delta \) 028 029 \(\Delta \) 038 039 \(\Delta \) 047 048 \(\Delta \) 057 058 \(\Delta \) 067 068 \(\Delta \) 077 078 \(\Delta \) 087 088 \(\Delta \) 097 098 \(\Delta \) 107 118 \(\Delta \) 127 128 \(\Delta \) 189 190 \(\Delta \) 193 194 \(\Delta \) 255	Gobo 5 shake Gobo 6 shake CCW rotation (fast~slow) Stop CW rotation (slow~fast)			
16	R-Gobo 1	000 \(\Delta\) 127 128 \(\Delta\) 189 190 \(\Delta\) 193 194 \(\Delta\) 255	Gobo indexing CCW rotation (fast~slow) Stop CW rotation (slow~fast))			
17	R-Gobo 1 Fine	000 ⇔ 255	0~100%			
18	Gobo 2	000 ⇔ 009 010 ⇔ 019 020 ⇔ 028 029 ⇔ 038 039 ⇔ 047 048 ⇔ 057 058 ⇔ 067 068 ⇔ 077 078 ⇔ 087 088 ⇔ 097	Open (white) Gobo 7 Gobo 8 Gobo 9 Gobo 10 Gobo 11 Gobo 12 Gobo 7 shake Gobo 8 shake Gobo 9 shake			



Mode 2 (Cont.)

Channel	Function	Value	Percent/Setting		
		098 ⇔ 107	Gobo 10 shake		
		108 ⇔ 117	Gobo 11 shake		
18	Gobo 2	118 😂 127	Gobo 12 shake		
	(Cont.)	128 😂 189	CCW rotation (fast~slow)		
		190 ⇔ 193 194 ⇔ 255	Stop CW rotation (slow~fast)		
		000 🖨 127	Gobo indexing		
40	D Oak a O	128 🖨 189	CCW rotation (fast~slow)		
19	R-Gobo 2	190 ⇔ 193	Stop		
		194 ⇔ 255	CW rotation (slow~fast))		
20	R-Gobo 2 Fine	000 ⇔ 255	100~0%		
21	Focus	000 ⇔ 255	Narrow~wide		
22	Zoom	000 ⇔ 255	15~30°		
		000 👄 025	Open		
		026 👄 050	Effect 1		
23	Effect/prism	051 ⇔ 076 077 ⇔ 101	Effect 2 Effect 3		
		102 ⇔ 127	Effect 4		
		128 ⇔ 255	Effect Macro 1~24		
		000 🖨 127	Gobo indexing		
24	R-Effect/prism	128 ⇔ 189	CCW rotation (fast~slow)		
	N-Enecuprism	190 🖨 193	Stop		
		194 🜣 255	CW rotation (slow~fast))		
25	Iris	000 ⇔ 255	100~0%		
	Frost	000 ⇔ 179 180 ⇔ 201	0~100% Open~closed (fast~slow)		
26		202 🖨 223	Closed~open (fast~slow)		
		224 🖘 245	Frost		
		246 ⇔ 255	Frost effect		
		000 ⇔ 007	Off		
		008 😂 015	Macro 1		
		016 🗢 023	Macro 2 Macro 3		
		024 ⇔ 031 032 ⇔ 039	Macro 4		
		040 \ 047	Macro 5		
		048 ⇔ 055	Macro 6		
	Pan/tilt Macro (works with Channel	056 ⇔ 063	Macro 7		
		064 🖘 071	Macro 8		
		072 ⇔ 079 080 ⇔ 087	Macro 9 Macro 10		
		088 ⇔ 095	Macro 11		
		096 🖨 103	Macro 12		
27		104 ⇔ 120	Macro 13		
21	28)	121 ⇔ 127	Macro 14		
	,				
		136 ⇔ 143 144 ⇔ 151	Macro 16 Macro 17		
		152 ⇔ 159	Macro 18		
		160 ⇔ 167	Macro 19		
		168 ⇔ 175	Macro 20		
		176 ⇔ 183	Macro 21		
		184 ⇔ 191	Macro 22		
		192 ⇔ 207 208 ⇔ 223	Macro 23 Macro 24		
		208 ⇔ 223 224 ⇔ 231	Macro 25		
		232 ⇔ 247	Macro 26		
		248 🗢 255	Macro 27		
28	Macro Range	000 ⇔ 255	0~100% (works with Channel 27)		
		•			



Mode	2	(Cont.)
mouc	_	100116.7

Channel	Function	Value	Percent/Setting		
29	Preset Color	000 ⇔ 021 022 ⇔ 042 043 ⇔ 063 064 ⇔ 085 086 ⇔ 106 107 ⇔ 127 128 ⇔ 148 149 ⇔ 170 171 ⇔ 191 192 ⇔ 212 213 ⇔ 233 234 ⇔ 255	White Color 1 Color 2 Color 3 Color 4 Color 5 Color 6 Color 7 Color 8 Color 9 Color 10 Color 11		
30	Color Macro	000 ⇔ 007 008 ⇔ 028 029 ⇔ 049 050 ⇔ 069 070 ⇔ 090 091 ⇔ 110 111 ⇔ 131 132 ⇔ 152 153 ⇔ 173 174 ⇔ 194 195 ⇔ 215 216 ⇔ 235 236 ⇔ 255	Open Macro 1 Macro 2 Macro 3 Macro 4 Macro 5 Macro 6 Macro 7 Macro 8 Macro 9 Macro 10 Macro 11 Macro 12		
31	Function	000 ⇔ 009 010 ⇔ 019 020 ⇔ 029 030 ⇔ 039 040 ⇔ 049 050 ⇔ 069 070 ⇔ 079 080 ⇔ 089 090 ⇔ 099 100 ⇔ 109 110 ⇔ 119 120 ⇔ 129 130 ⇔ 139 140 ⇔ 149 150 ⇔ 159 160 ⇔ 169 170 ⇔ 179 180 ⇔ 189 190 ⇔ 199 200 ⇔ 209 210 ⇔ 219 220 ⇔ 229 230 ⇔ 239 240 ⇔ 255	No function Auto focus (enable) Auto focus (disable) Fan speed (auto) Fan speed (high) No function Pan/tilt move-in-black (enable) Pan/tilt move-in-black (disable) Color move-in-black (enable) Color move-in-black (disable) Gobo move-in-black (disable) Gobo move-in-black (disable) Lamp On Pan/tilt reset Color reset Gobo1/Gobo2/Iris reset Shutter reset Focus/zoom reset Frost/effect reset Reset all Pan/tilt/color/gobo move-in-black (disable) Lamp off No function		

End of Mode 2



5. Technical Information

General Maintenance

To maintain optimum performance and minimize wear, the user should clean the light fixtures frequently. Usage and environment are contributing factors in determining the cleaning frequency. As a rule, the user should clean the fixtures at least twice a month. Dust build up reduces light output performance and can cause overheating. This can lead to reduced light source life and increased mechanical wear.

CHAUVET® recommends cleaning the fixture's external optics with a soft cloth using normal glass cleaning fluid.

To clean a fixture, follow the recommendations below:

- Unplug the fixture from power.
- · Wait until the fixture is cold.
- Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external vents and reachable internal components.
- Clean all external optics and glass surfaces with a mild solution of glass cleaner or isopropyl alcohol, and a soft, lint free cotton cloth or a lens cleaning tissue.
- Apply the solution directly to the cloth or tissue and drag any dirt and grime to the outside of the lens.
- · Gently polish the external glass surfaces until they are free of haze and lint.
- When cleaning units with a movable mirror, you should keep the contact with the mirror surface to a minimum to avoid scratching or damaging it.



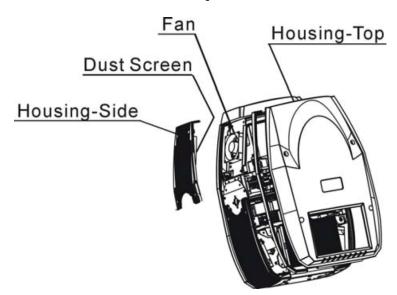
Always dry the external optics and glass surfaces carefully after cleaning them.



If the fixture has one or more fans, refrain from spinning them using compressed air.



The Legend 1200E Spot fixture uses multiple fans. To prevent dust buildup on the components of the optic path, each of the fans on the forward section of the moving head have a dust screen as shown in the diagram below.



To access the dust screens, remove the bottom and top housings of the moving head, at which point you will have be able to remove the housing sides. Once you have cleaned the dust screens, reverse the process to replace them.



Despite having dust screens, the fixture still needs regular cleaning of its lenses, color wheels, and the other components in the optical path.



Error Messages

Message	Cause(s)	Action(s)	
Lamp Startup Fail	The lamp has not started after being struck.	Check lampCheck lamp socket and wiringCheck ballast and igniter	
Temperature Sense Fail	There is no communication with temperature sensor.	Check sensor wiring Check sensor integrity Check control board	
Lamp Hot Protection	Fixture temperature is higher than 105° C; lamp was switched to low power for safety.	Check fansCheck fan wiringClean vents	
Lamp Hot Power Off	Fixture temperature is 110° C or higher; lamp was switched to off for safety.	Check fansCheck fan wiringClean vents	
Maintenance Fixture	Fixture Maintenance timer expired.	Proceed with maintenance and reset timer	
Lamp On Over 700 Hour	Lamp change is overdue.	Change lamp	
Memory Initial Fail	Memory chip error found.	Change main board	
Fan 1 Error Fan 2 Error Fan 3 Error Fan 4 Error Fan 5 Error Fan 6 Error	The indicated fan is not working.	Check fan Check fan wiring	
CPU-B Error CPU-C Error CPU-D Error CPU-E Error CPU F Error CPU G Error CPU H Error	There is no communication with the indicated auxiliary CPU.	 Check sensors' wiring and position Check stepper motor, belt, and driver board Check control boards 	
Pan Home Sensor Error Pan Encode Error Tilt Home Sensor Error Tilt Encode Error	The moving head failed going to home position after power up or fixture reset.	 Check moving head's free movement Check sensors' wiring and position Check stepper motor, belt ,and driver board Check the corresponding control board Check main control board 	
Color 1 Reset Fail Cyan Reset Fail Magenta Reset Fail Yellow Reset Fail 3200 K Filter Reset Fail Gobo 1 Reset Fail R-Gobo 1 Reset Fail R-Gobo Reset Fail R-Gobo Reset Fail Iris Reset Fail Effect Reset Fail Frost Reset Fail Focus Reset Fail Zoom Reset Fail	The indicated moving part failed going to home position after power up or fixture reset.	Check part's free movement and integrity Check sensors' wiring and position Check stepper motor, belt, and driver board Check the corresponding control board Check main control board	



Troubleshooting Guide

Symptom	Cause(s)	Action(s)
	No power on outlet	Repair outlet problem or use another outlet
	Blown fuse	Replace blown fuse with same type and rating fuse
Fixture does not power up	Bad power cord/plug	Repair or replace power cord/plug
	Bad power switch	Replace power switch
	Bad power supply	Replace power supply
	Bad main controller	Replace main controller
	State/Power On parameter set to NO	Change parameter to YES
Fixture powers up but lamp does not ignite	Lamp temperature problems	Check error messages and follow instructions
	Lamp problems	Check error messages and follow instructions
	Dimmer not at full output	Adjust dimmer value
	Lamp still cold	Wait for lamp to come up with full output temperature
Lamp ignited but has low	CTC or CMY filter interfering	Set color wheel or filter to home position
intensity/color temperature	Defective or old lamp	Replace lamp
•	Misaligned lamp	Realign lamp
	Defective lamp wires or socket	Repair/change wiring or socket
	Defective ballast	Replace ballast
	Defective or old lamp	Replace lamp
Lamp flickers or turns off	Temperature problems	Check error messages and follow instructions
by itself	Defective lamp wires or socket	Repair/change wiring or socket
	Defective ballast	Replace ballast
Circuit breaker/fuse keeps	Excessive circuit load	Check total load placed on the electrical circuit
tripping/blowing	Short circuit along the power wires	Check for a short in the electrical wiring
	Wrong DMX addressing	Check DMX mode and starting DMX address
Figure 1 and a standard 1	Damaged DMX cables	Check DMX cables
Fixture does not respond to DMX when nearby	Wrong polarity on the controller	Check polarity switch settings on the controller
fixtures on the same universe do	Loose DMX cables	Check cable connections
universe do	Faulty DMX interface	Replace the Main board
	Faulty Display/Main board	Replace the Main board
	Non DMX cables	Use only DMX compatible cables
	Bouncing signals	Install terminator as suggested
DMX signal problems	Long cable / low level signal	Install an optically coupled DMX splitter right after the fixture with the strong signal
0 ,	Too many fixtures	Install an optically coupled DMX splitter after unit #32 or before
	Interference from AC wires	Keep DMX cables separated from power cables or fluorescent/black lights



If you still experience technical problems after trying the above solutions, contact ${\tt CHAUVET@Technical\,Support.}$



Returns Procedure

The user must send the merchandise prepaid, in the original box, and with its original packing and accessories. CHAUVET® will not issue call tags.

Call CHAUVET® and request a Return Merchandise Authorization Number (RMA #) before shipping the fixture. Be prepared to provide the model number, serial number, and a brief description of the cause for the return.

The user must clearly label the package with a Return Merchandise Authorization Number (RMA #). CHAUVET® will refuse any product returned without an RMA #.



DO NOT write the RMA # directly on the box. Instead, write it on a properly affixed label.

Once you receive the RMA #, please include the following information on a piece of paper inside the box:

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

Be sure to pack the fixture properly. Any shipping damage resulting from inadequate packaging will be 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 returned product(s).

Claims

The carrier is responsible for any damage incurred during shipping to this product or any part that shipped with it. Therefore, if the received merchandise appears to have damages caused during shipping, the customer must submit the damage report and any related claims with the carrier, not CHAUVET®. The customer must submit the report upon reception of the damaged merchandise. Failure to do so in a timely manner may invalidate the customer's claim with the carrier.

For other issues such as missing components or parts, damage not related to shipping, or concealed damage, the customer must make claims to CHAUVET® within seven (7) days of receiving the merchandise.

Contact Us

World Headquarters

General Information

CHAUVET® 5200 NW 108th Avenue Sunrise, FL 33351 Voice: (954) 929-1115 Fax: (954) 929-5560

Toll free: (800) 762-1084

Technical Support

Voice: (954) 929-1115 (Press 4)

Fax: (954) 756-8015

World Wide Web

www.chauvetlighting.com



Technical Specifications

Dimensions and Weight

Fixture Only	Length	Width	Height	Weight
	20.5 in (521 mm)	21.2 in (539 mm)	30.1 in (764 mm)	82.05 lbs (37.22 kg)
Fixture in Flight Case	Length	Width	Height	Weight
	25 in (635 mm)	28 in (711 mm)	35 in (889 mm)	191.05 lbs (86.22 kg)
Power	Power Supply Ty	pe R	ange	Voltage Selection
	Switching (w/PF corre	ection) 100~240	V, 50/60 Hz	Auto-ranging
	Parameter	208 \	/, 60 Hz	230 V, 50 Hz
	Consumption	1,641 V	V (7.89 A)	1,645 W (7.15 A)
	Inrush current	3	.4 A	3.3 A
	Fuse	F	15 A, 250 V, 6 x 30	mm (fast blow)
	Power I/O	lı	nput	Output
	Connectors	Cab	le boot	N/A
	Cord plugs	Bare	e ended	N/A
Light Source	Туре	P	ower	Quantity
	HID Lamp (short a	•	00 W	1
	Socket	Life	espan	
	PGJX50 750 (50% failure)			
Approved Lamps	Phillips	0:	sram	GE
	MSR1200SA/SE Fas	tFit™ HTI 1500 W/	60/P50 Lok-It™	CSR 1200/SA/TAL
Head Movement	Pan Range	Tilt	Range F	ine Adjustment Option
	0~540°	0~	-270°	Yes (Advanced Mode)
Gobos	External Diameter	er Image	Diameter	Thickness
	37.3 mm	30	.0mm	5 mm.
Photo Optic	Parameter	Minim	um Zoom	Maximum Zoom
	Illuminance @ 5	m 23,	000 lx	5,000 lx
	Beam angle		15º	30°
Thermal	Maximum External 1	Temp. Maximum S	Surface Temp.	Cooling System
	104° F (40° C)	135° I	F (57° C)	Fans
DMX	I/O Connectors	Conne	ctor Type	Channel Range
	3- and 5-pin XLF	R So	ockets	23 and 31
Ordering	Legend™ 1200E S	pot Fligi	nt Case	
J	LEGEND1200ESP	OT Inc	cluded	
Warranty	Duration	Cov	/erage	Details
•	2 years		mited	See Warranty Card

