User Manual

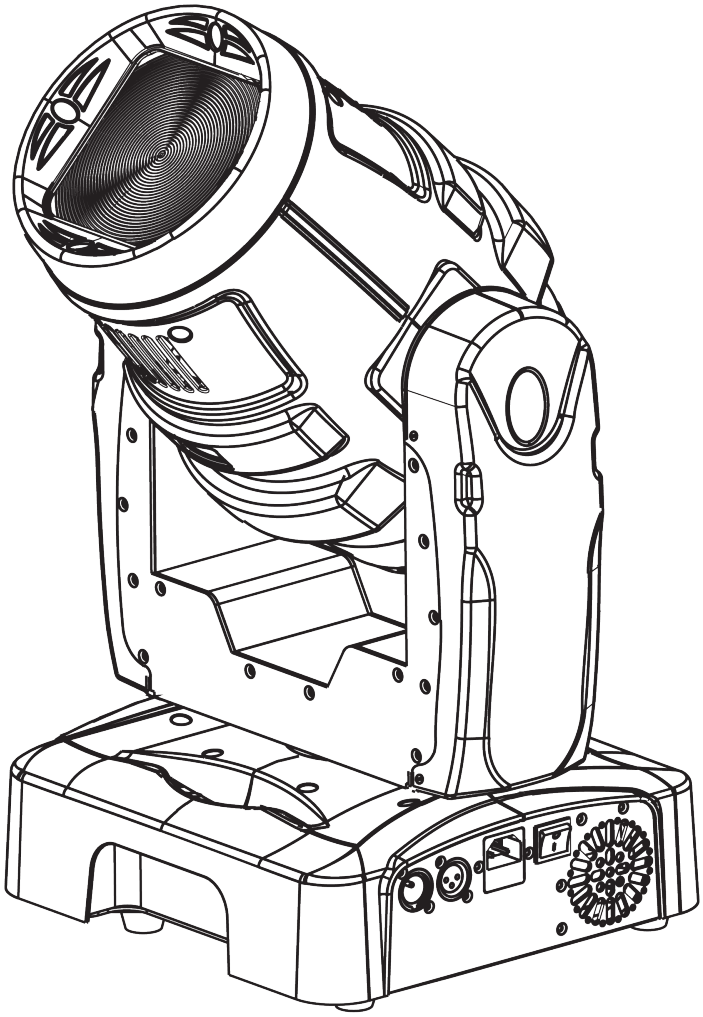


Table of Contents

1. Before You Begin

What is Included

- One 60W LED Beam Moving head
- One power supply plug
- One safety cable
- Quick Reference Guide

Unpacking Instructions

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>	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
	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.
	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.

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.
- 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 (included).
- 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.
- 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, or cables. In any of these cases, 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!

Expected LED Lifespan

LEDs gradually decline in brightness over time, mostly because of heat. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal, single LED conditions. For this reason, using clustered LEDs at their fullest intensity significantly reduces the LEDs' lifespan. Under normal conditions, this lifespan can be of 40,000 to 50,000 hours. If extending this lifespan is vital, lower the operational temperature by improving the fixture's ventilation and reducing the external temperature. In addition, limiting the overall projection intensity may also help to extend the LEDs' lifespan.

2. Introduction

Product Description

This fixture of LED is a high power moving yoke fixture equipped with a 60-watt white LED. It includes a color wheel with eight slots plus white. It also comes with one gobo wheel with seven rotating slot-n-lock gobos plus open. It also includes a fixed 3-facet prism.

Features

- 9 or 12-channel DMX-512 LED moving yoke
- Pan: 540°
- Tilt: 270°
- Color wheel:
  - 8 colors + white
  - Rainbow color spin at variable speeds
- Gobo wheel 1:
  - Indexed, rotating gobo wheel with gobo shake
  - 7 gobos + open
  - Gobo wheel spin at variable speeds
- 3-facet static prism
- Variable electronic strobe
- Variable electronic dimmer (0~100%)
- Remote fixture reset
- 255 user-programmable steps without DMX controller
- Move-in-black for pan and tilt
- Built-in automated programs
- Built-in sound activated programs

Additional Features

- High-power 60 W LED
- User-selectable pan/tilt ranges
- Automatic pan/tilt correction
- Reset to factory settings option
- User-selectable basic or advanced operating modes

DMX Channel Summary

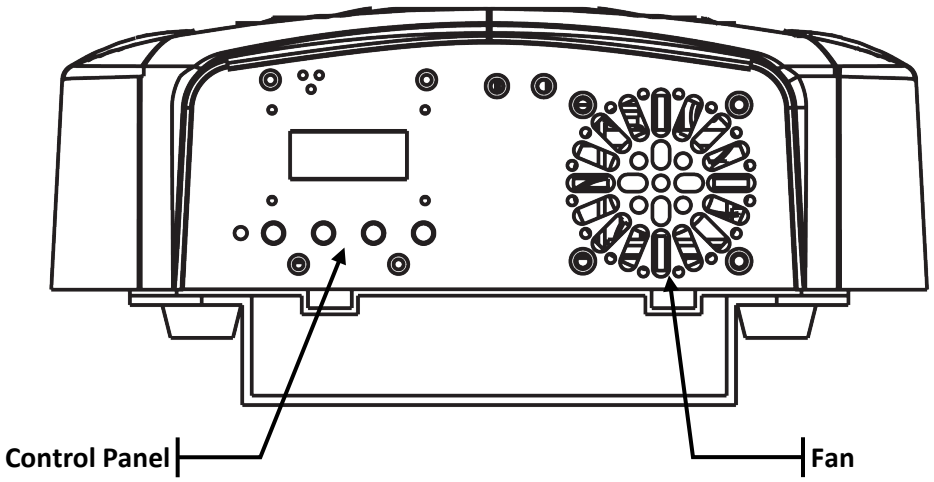
Basic

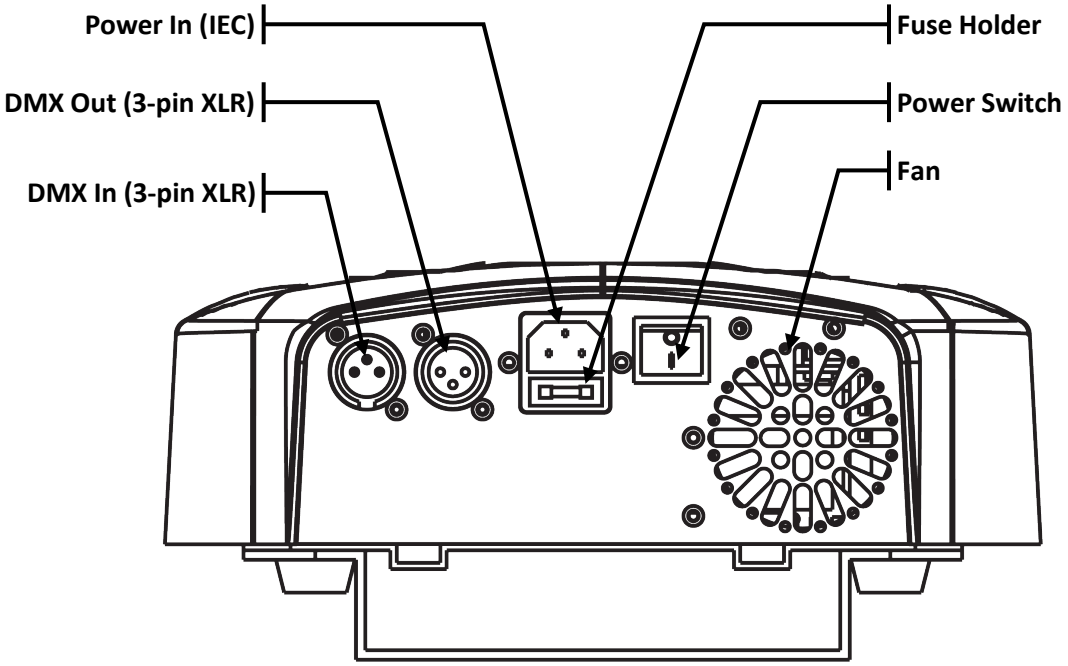
DMX Channel	Function
1	Pan
2	Tilt
3	Color Wheel
4	Rotating Gobo Wheel
5	Gobo Rotation
6	Fixed Prism
7	Dimmer
8	Strobe
9	Control

Advanced

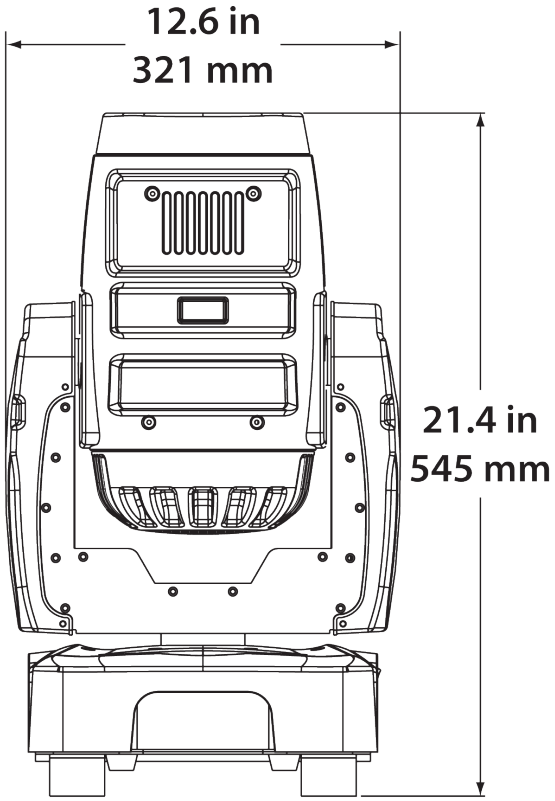
DMX Channel	Function
1	Pan
2	Pan Fine
3	Tilt
4	Tilt Fine
5	Pan / Tilt Speed
6	Color Wheel
7	Rotating Gobo Wheel
8	Gobo Rotation
9	Fixed Prism
10	Dimmer
11	Strobe
12	Control

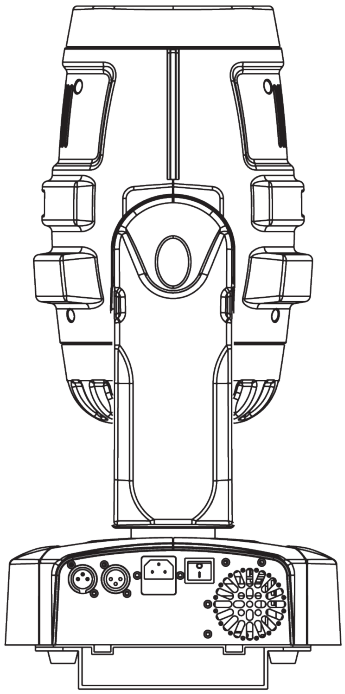
Product Overview

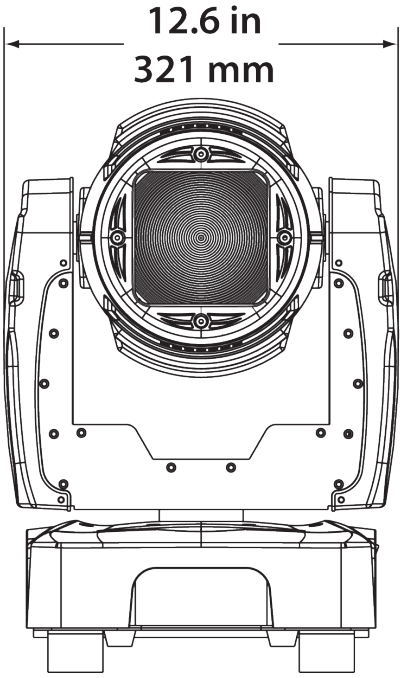


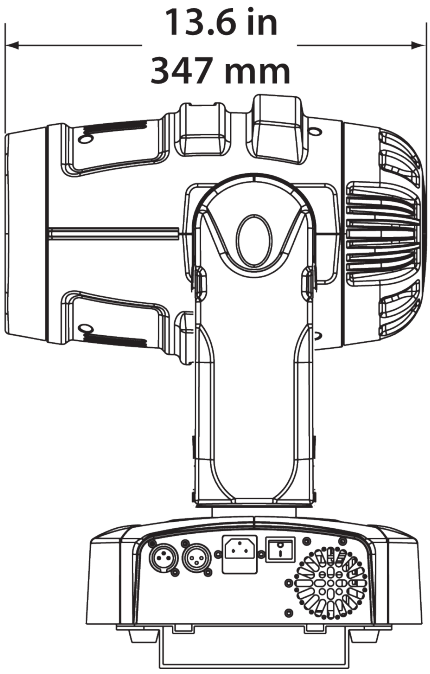


Product Dimensions









3. Setup

AC Power

This 60W Beam LED has an auto-ranging power supply that can work with an input voltage range of 100~240 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 60W Beam LED to a protected circuit with an appropriate electrical ground to avoid the risk of electrocution or fire.

To determine the power requirements for the 60W Beam LED see the label affixed to the side 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.

Never connect the 60W Beam LED 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

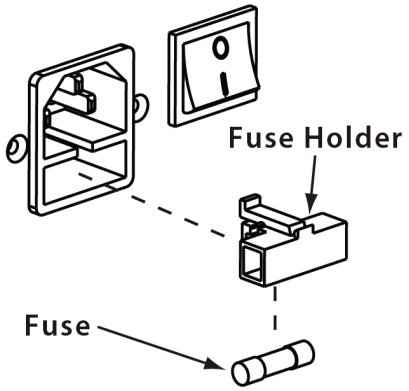
The 60W Beam LED comes with a power input cord terminated with an IEC connector on one end an Edison plug on the other end (US market). If the power cord that came with your fixture has no plug or you need to change the Edison plug, use the table below to wire the new plug.

Connection	Wire (US)	Wire (Europe)	Pin
AC Live	Black	Brown	1
AC Neutral	White	Blue	2
AC Ground	Green/Yellow	Green/Yellow	3

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 flat head screwdriver, wedge the fuse holder out of its housing and remove the blown fuse from its holder.
2) Replace the blown fuse with a fuse of the exact same type and rating.
3) Insert the fuse holder back in its place, and reconnect power.



Make sure to disconnect the fixture's power cord before replacing the gobo.

Gobo Replacement

1) Loosen the four screws that hold the head's front cover and move it slightly forward.
2) Unfasten the four screws that hold the head's upper cover and remove it.
3) Manually rotate the gobo wheel and pull out the desired gobo
4) Install the new rotating gobo by sliding it under the pressure plate near the center of the wheel.
5) Reverse steps 1 and 2.

DMX Linking

You may link any 60W Beam LED fixture to a DMX controller using a standard DMX serial connection. If using other DMX compatible fixtures with a 60W Beam LED fixture, it is possible to control them individually with a single DMX controller.

DMX Modes

The 60W Beam LED uses the standard DMX data connection for its Basic and Advanced 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).

Master/Slave Connectivity

The Master/Slave mode allows a 60W Beam LED fixture to control one or more a *60W* Beam LED fixtures without a DMX controller. The controlling fixture becomes the "master" when running in any mode other than DMX512. The controlled fixtures are the "slaves" and you must set them to "Slave" mode from their respective control panels. During the Master/Slave operation, the slave fixtures will operate in unison with the master fixture.

DO NOT connect a DMX controller to the fixtures operating in Master/Slave mode. Otherwise, the signals from the DMX controller may interfere with the signals from the master unit.
Conversely, DO NOT connect any fixture set to run as "master" to a DMX universe because the signals from that fixture may interfere with the signals from the DMX controller.

The *Operation* chapter of this manual provides detailed instructions on how to configure the Master and Slave units.

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.

Rigging

We recommends following the general guidelines below when mounting the 60W Beam LED

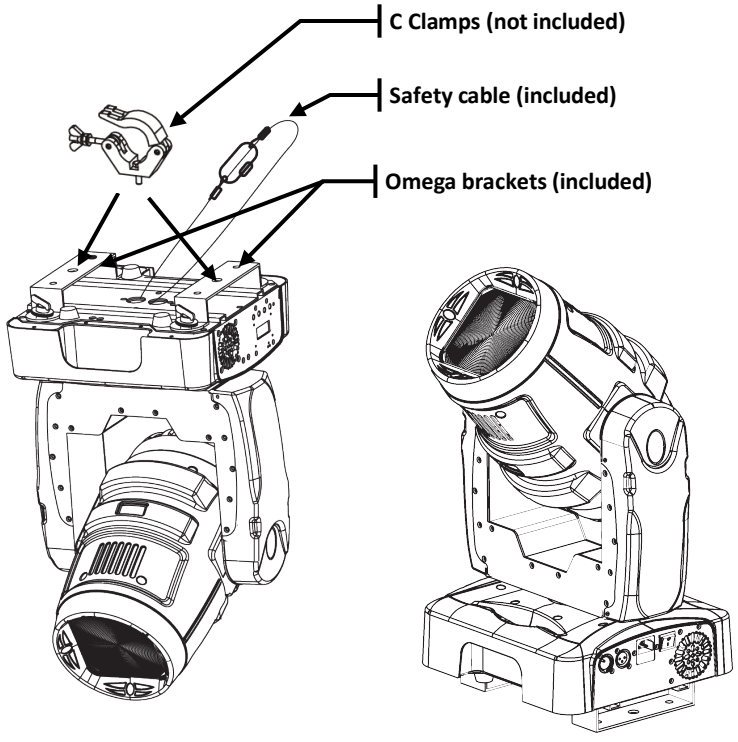
- When selecting an installation location, consider ease of access to the fixture for operation, programming adjustments, and routine maintenance.
- Make sure to mount this fixture away from any flammable material as indicated in the *Safety Notes* section.
- Never mount the fixture in places where rain, 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.

60W Beam LED

Procedure

The 60W Beam LED comes with two omega brackets to which you can attach a couple of “C” or “O” clamps. You must supply your own “C” or “O” clamps and make sure that they are capable of supporting the weight of this fixture. You will have to use two mounting points per fixture. In addition, you may mount this product on the floor or a platform provided it is stable and it can support the weight of the fixtures on it.

Product Mounting Diagram

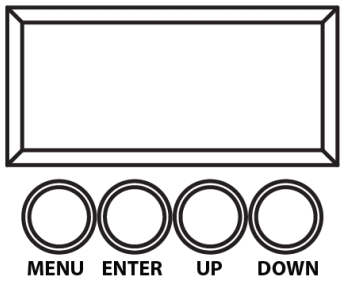


Overhead Mounting **Floor Mounting**

4. Operation

Control Panel Description

Button	Function
<MENU>	Exits from the current menu or function
<ENTER>	Enables the currently displayed menu or sets the currently selected value in to the current function
<UP>	Navigates upwards through the menu list and increases the numeric value when in a function
<DOWN>	Navigates downwards through the menu list and decreases the numeric value when in a function



Control Options

You can set the 60W Beam LED start address in the 001~512 DMX range. This allows for the control of up to 42 fixtures in the 12-channel Advanced personality.

Programming

Carry out all the programming procedures indicated below from the control panel. Refer to the *Menu Map* on page 13 to learn how the menu options relate to each other.

To go to an option, press **<MENU>** repeatedly until the option shows on the display.

To select an option value, press **<UP>** or **<DOWN>** until you see the desired value and press **<ENTER>** to accept it.

To exit to the previous menu level, press **<MENU>**.

DMX Operation

1) Enable DMX operation.
   a) Go to ***MENU > INTRO > RUN***.
   b) Select **DMX512**.
2) Select a DMX mode.
   a) Go to ***MENU > INTRO > CHANNELS***.
   b) Select **BASIC** or **ADVANCED**.
3) Select the DMX starting address.
   a) Go to ***MENU > INTRO > ADDRESS***.
   b) Select a starting address, **001~498** (ADVANCED) or **001~501** (BASIC).

Stand-alone Operation

1) Go to ***MENU > INTRO > RUN***.
   a) Select a stand-alone operation mode (**AUTO 1, AUTO 2, SOUND 1, SOUND 2, CUSTOM**, or **TEST**).

Master/Slave Operation

1) Configure the Master fixture.
   a) Select a stand-alone mode, as shown above.
2) Configure the Slave fixtures.
   a) Go to ***MENU > INTRO > RUN***.
   b) Select **SLAVE**.

The fixture that operates in any stand-alone mode becomes the master.

- **Do not connect a DMX controller to the master or slave fixtures.**
- **Never connect a fixture operating in stand-alone mode to a DMX universe**

Display Mode

1) Go to ***MENU > INTRO > DISPLAY***.
   a) Select a display mode (**60 CLOSE** or **BRIGHT**).

When in the "60 CLOSE" setting, the display backlight will turn off after 60 s. When in the "BRIGHT" setting, the display backlight will stay on.

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Keylock

1) Go to ***MENU > INTRO > KEYLOCK***.
   a) Select **YES** or **NO**.

When in the "YES" setting, the user will have to enter the password after 30 seconds of control panel inactivity or each time he/she turns the fixture on.

The default (non-modifiable) password is<UP>, <DOWN>, <UP>, <DOWN> and <ENTER>.

Rotation Mode

1) Go to ***MENU > INVERT > PAN***.
   a) Select a movement mode (**NORMAL** or **REVERSE**).
2) Go to ***MENU > INVERT > TILT***.
   a) Select a movement mode (**NORMAL** or **REVERSE**).
3) Go to ***MENU > INVERT > COLOR***.
   a) Select a movement mode (**STEP** or **LINEAR**).
4) Go to ***MENU > INVERT > USE***.
   a) Select **YES** to activate the new setting or **NO** to stop using it.

Edit Custom

1) Go to ***MENU > EDIT > STEP***.
   a) Select a programming step (**000~255**).
2) Go to ***MENU > EDIT > PAN***.
   a) Select a pan value (**000~255**).
3) Go to ***MENU > EDIT > TILT***.
   a) Select a tilt value (**000~255**).
4) Go to ***MENU > EDIT > SPEED***.
   a) Select a tilt/pan movement speed (**000~255**).
5) Go to ***MENU > EDIT > COLOR***.
   a) Select a color wheel position (**000~255**) as per the *DMX Values* table.
6) Go to ***MENU > EDIT > GOBO 1***.
   a) Select a rotating gobo (**000~255**) as per the *DMX Values* table.
7) Go to ***MENU > EDIT > GOBO 1 ROT***.
   a) Select a rotating gobo mode (**000~255**) as per the *DMX Values* table.
8) Go to ***MENU > EDIT > PRISM***.
   a) Select a prism operation mode (**000~255**) as per the *DMX Values* table.
9) Go to ***MENU > EDIT > DIMMER***.
   a) Select a dimmer setting (**000~255**).
10) Go to ***MENU > EDIT > STROBE***.
    a) Select a strobe setting (**000~255**) as per the *DMX Values* table.
11) Go to ***MENU > EDIT > TIME***.
    a) Select the duration of this step (**000~255**).
12) Go to ***MENU > EDIT > USE***.
    a) Select **YES** to save the settings for this step or **NO** to delete them.
13) Repeat steps "2" to "13" for the other steps.

The fixture will execute all the steps in the CUSTOM program and it will stop. To make the fixture to start over add a last step whose duration is 0 seconds.

Example:

Step 1:	**Time = 5**	**Use = Yes**	
Step 2:	**Time = 4**	**Use = Yes**	
Step 3:	**Time = 6**	**Use = Yes**	
Step 4:	**Time = 0**	**Use = Yes**	**(This step creates a loop)**
Step 5:	**Time = 0**	**Use = No**	**(Unused steps)**
▼	▼	▼	
Step 255	**Time = 0**	**Use = No**	

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Software Version

1) Go to ***MENU > INTRO > INFO***.
   a) The display will show the installed software version.

Range Limitation

1) Go to ***MENU > RANGE > P/START***.
   a) Select the starting point for the limited pan (**000~255**).
2) Go to ***MENU > RANGE > P/FINISH***.
   b) Select the finishing point for the limited pan (**000~255**).
3) Go to ***MENU > RANGE > T/START***.
   c) Select the starting point for the limited tilt (**000~255**).
4) Go to ***MENU > RANGE > T/FINISH***.
   d) Select the finishing point for the limited tilt (**000~255**).
5) Go to ***MENU > RANGE > USE***.
   e) Select **YES** to activate the new settings or **NO** to stop using them.

Move-in Black

1) Go to ***MENU > SPECIAL > BLACK***.
   a) Select **YES** to enable the 3 seconds delay or **NO** to make the blackout immediate.

Reset Control

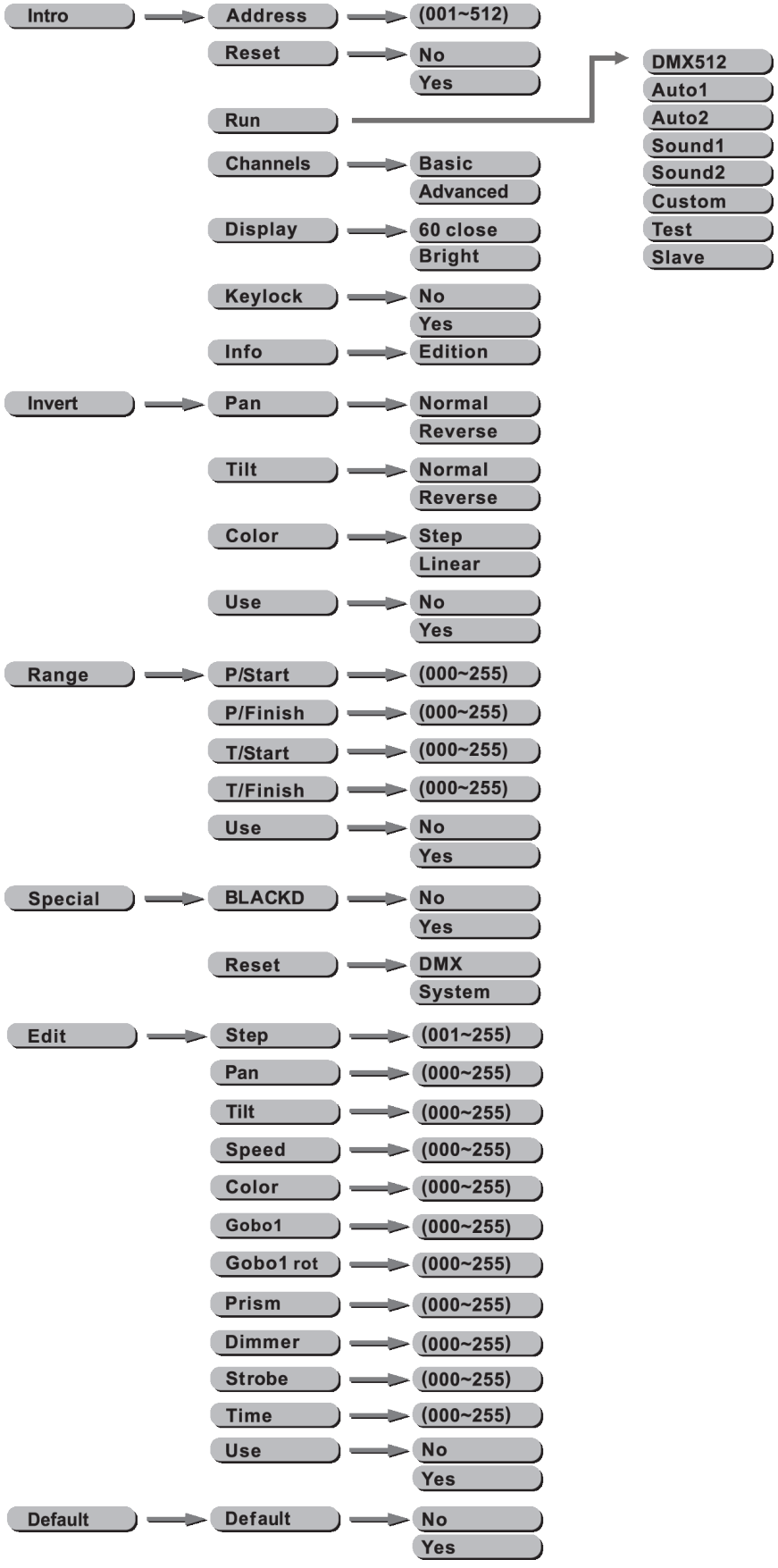
1) Go to ***MENU > SPECIAL > RESET***.
   a) Select **DMX** to enable the DMX controller to reset the fixture (**Control** function) or **NO** to reset the fixture only from the control panel.

System Default

1) Go to ***MENU > DEFAULT > DEFAULT***.
   a) Select **YES** to default the fixture to its original factory settings.

End of Programming

Menu Map


Intro
Address
(001~512)
Reset
No
Yes
Run
DMX512
Auto1
Auto2
Sound1
Sound2
Custom
Test
Slave
Channels
Basic
Advanced
Display
60 close
Bright
Keylock
No
Yes
Info
Edition
Invert
Pan
Normal
Reverse
Tilt
Normal
Reverse
Color
Step
Linear
Use
No
Yes
Range
P/Start
(000~255)
P/Finish
(000~255)
T/Start
(000~255)
T/Finish
(000~255)
Use
No
Yes
Special
BLACKD
No
Yes
Reset
DMX
System
Edit
Step
(001~255)
Pan
(000~255)
Tilt
(000~255)
Speed
(000~255)
Color
(000~255)
Gobo1
(000~255)
Gobo1 rot
(000~255)
Prism
(000~255)
Dimmer
(000~255)
Strobe
(000~255)
Time
(000~255)
Use
No
Yes
Default
Default
No
Yes

DMX Values

BASIC

Channel	Function	Value	Percent/Setting
1	**Pan**	000 ó 255	0~540º
2	**Tilt**	000 ó 255	0~270º
3	**Color Wheel**	000 ó 015	White
		016 ó 030	Red
		031 ó 045	Yellow
		046 ó 060	Magenta
		061 ó 075	Green
		076 ó 090	Orange
		091 ó 105	Blue
		106 ó 120	Light green
		121 ó 135	Light blue
		136 ó 255	Rainbow or linear effect
4	**Gobo Wheel 1**	000 ó 010	No gobo
		011 ó 020	Gobo 1
		021 ó 030	Gobo 2
		031 ó 040	Gobo 3
		041 ó 050	Gobo 4
		051 ó 060	Gobo 5
		061 ó 070	Gobo 6
		071 ó 080	Gobo 7
		081 ó 095	Shaking gobo 7
		096 ó 110	Shaking gobo 6
		111 ó 125	Shaking gobo 5
		126 ó 140	Shaking gobo 4
		141 ó 155	Shaking gobo 3
		156 ó 170	Shaking gobo 2
		171 ó 185	Shaking gobo 1
		186 ó 255	Flow effect
5	**Gobo Wheel 1 Rotation**	000 ó 060	360º Indexing
		061 ó 150	CW rotation (slow~fast)
		151 ó 165	No function
		166 ó 255	CCW rotation (slow~fast)
6	**Prism**	000 ó 127	Prism off
		128 ó 255	Prism on
7	**Dimmer**	000 ó 255	Dark ó Bright
8	**Shutter/Strobe**	000 ó 031	Close
		032 ó 063	Open
		064 ó 095	Strobe (slow~fast)
		096 ó 127	Open
		128 ó 159	Pulse strobe effect (slow~fast)
		160 ó 191	Open
		192 ó 223	Random strobe effect (slow~fast)
		224 ó 255	Open
9	**Control**	000 ó 019	No function
		020 ó 039	Pan/tilt black activation (3 s delay)
		040 ó 059	Pan/tilt black deactivation (3 s delay)
		060 ó 139	No function
		140 ó 149	Auto 1 (3 s delay)
		150 ó 159	Auto 2 (3 s delay)
		160 ó 169	Test (3 s delay)
		170 ó 179	Custom
		180 ó 189	Sound 1(3 s delay)
		190 ó 199	Sound 2(3 s delay)
		200 ó 219	Reset (3 s delay)
		220 ó 255	No function

ADVANCED

Channel	Function	Value	Percent/Setting
1	**Pan**	000 ó 255	0~540º
2	**Pan Fine**	000 ó 255	Fine movement control
3	**Tilt**	000 ó 255	0~270º
4	**Tilt Fine**	000 ó 255	Fine movement control
5	**Pan/Tilt Speed**	000 ó 255	Fast~Slow
6	**Color Wheel**	000 ó 015	White
		016 ó 030	Red
		031 ó 045	Yellow
		046 ó 060	Magenta
		061 ó 075	Green
		076 ó 090	Orange
		091 ó 105	Blue
		106 ó 120	Light green
		121 ó 235	Light blue
		136 ó 255	Rainbow or linear effect
7	**Gobo Wheel**	000 ó 010	No gobo
		011 ó 020	Gobo 1
		021 ó 030	Gobo 2
		031 ó 040	Gobo 3
		041 ó 050	Gobo 4
		051 ó 060	Gobo 5
		061 ó 070	Gobo 6
		071 ó 080	Gobo 7
		081 ó 095	Shaking gobo 7
		096 ó 110	Shaking gobo 6
		111 ó 125	Shaking gobo 5
		126 ó 140	Shaking gobo 4
		141 ó 155	Shaking gobo 3
		156 ó 170	Shaking gobo 2
		171 ó 185	Shaking gobo 1
		186 ó 255	Flow effect
8	**Gobo Wheel Rotation**	000 ó 060	360º Indexing
		061 ó 150	CW rotation (slow~fast)
		151 ó 165	No function
		166 ó 255	CCW rotation (slow~fast)
9	**Prism**	000 ó 127	Prism off
		128 ó 255	Prism on
10	**Dimmer**	000 ó 255	Dark ó Bright
11	**Shutter/Strobe**	000 ó 031	Close
		032 ó 063	Open
		064 ó 095	Strobe (slow~fast)
		096 ó 127	Open
		128 ó 159	Pulse strobe effect (slow~fast)
		160 ó 191	Open
		192 ó 223	Random strobe effect (slow~fast)
		224 ó 255	Open
12	**Control**	000 ó 019	No function
		020 ó 039	Pan/tilt black activation (3 s delay)
		040 ó 059	Pan/tilt black deactivation (3 s delay)
		060 ó 139	No function
		140 ó 149	Auto 1 (3 s delay)
		150 ó 159	Auto 2 (3 s delay)
		160 ó 169	Test (3 s delay)
		170 ó 179	Custom
		180 ó 189	Sound 1(3 s delay)
		190 ó 199	Sound 2(3 s delay)
		200 ó 219	Reset (3 s delay)
		220 ó 255	No function

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.

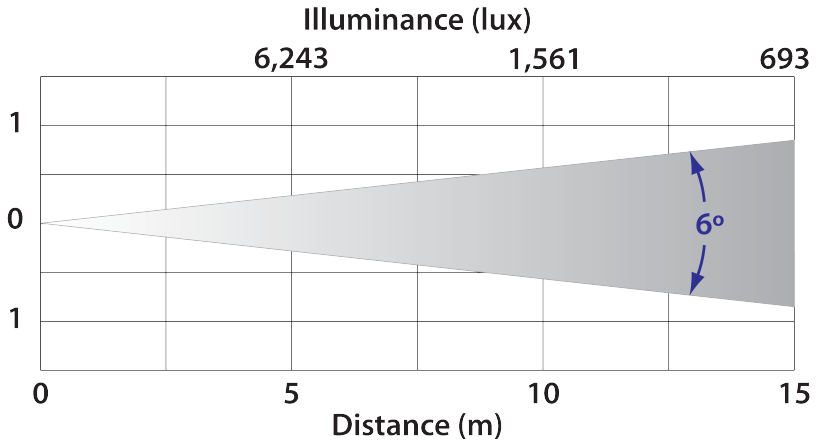
To clean a fixture, follow the recommendations below:

- 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 or 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 cooling fans, refrain from spinning them using compressed air.

Photometrics



Troubleshooting Guide

Symptom	Cause(s)	Action(s)
Fixture is on LED is off	· LED connection problems · Faulty LED · Faulty LED driver	· Reconnect LED · Replace LED · Replace LED driver
Fixture is on Head fan is off	· Faulty head fan · Faulty LED driver	· Replace head fan · Replace LED driver
Fixture is on Base fan is off	· Faulty base fan · Faulty power supply	· Replace base fan · Replace power supply
Color wheel problem	· Faulty color wheel motor · Faulty sensor board · Faulty X/Y control board	· Replace color wheel motor · Replace sensor board · Replace X/Y control board
Prism problem	· Faulty prism motor · Faulty prism belt · Faulty X/Y control board	· Replace prism motor · Replace prism belt · Replace X/Y control board
Gobo wheel problem	· Faulty gobo wheel motor · Blocked gobo wheel · Faulty sensor board · Faulty X/Y control board	· Replace gobo wheel motor · Unblock · Replace sensor board · Replace X/Y control board
Pan movement problem	· Faulty pan motor · Faulty pan belt · Faulty magnetic sensor · Faulty optical sensor · Faulty X/Y control board	· Replace pan motor · Replace pan belt · Replace magnetic sensor · Replace optical sensor · Replace X/Y control board
Tilt movement problem	· Faulty tilt motor · Faulty tilt belt · Faulty magnetic sensor · Faulty optical sensor · Faulty X/Y control board	· Replace tilt motor · Replace tilt belt · Replace magnetic sensor · Replace optical sensor · Replace X/Y control board
Circuit breaker/fuse keeps tripping/blowing	· Excessive circuit load · Short circuit along the power wires	· Check total load placed on the electrical circuit · Check for a short in the electrical wiring
Fixture does not power up	· No power · Loose or damaged power cord · Blown fuse · Faulty On/Off switch · Faulty internal power supply	· Check for power on power outlet · Check power cord · Replace fuse · Replace On/Off switch · Replace internal power supply
Fixture does not respond to DMX	· Wrong DMX addressing · Damaged DMX cables · Wrong polarity on the controller · Loose DMX cables · Faulty DMX interface · Faulty Display board	· Check control panel and unit addressing · Check DMX cables · Check polarity switch settings on the controller · Check cable connections · Replace the display board · Replace the display board
DMX signal problems	· Non DMX cables · Bouncing signals · Long cable / low level signal · Too many fixtures · Interference from AC wires	· Use only DMX compatible cables · Install terminator as suggested · Install an optically coupled DMX splitter right after the fixture with the strong signal · Install an optically coupled DMX splitter after unit #32 or before · Keep DMX cables separated from power cables or fluorescent/black lights

If you still experience technical problems after trying the above solutions, contact our Technical Support.

Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
13.6 (347 mm)	12.6 in (321 mm)	21.4 in (545 mm)	27.8 lbs (12.6 kg)

Note: Dimensions in inches rounded to the nearest decimal digit.

Power

Power Supply Type	Range	Voltage Selection
Switching (internal)	100~240 V, 50/60 Hz	Auto-ranging

Parameter	120 V, 60 Hz	230 V, 50 Hz
Consumption	150 W (1.25 A)	150 W (0.65 A)
Inrush current	0.3 A	1.1 A

Power I/O	Input	Output
Connectors	IEC	N/A
Cord plug	Edison	N/A

Light Source

Type	Power	Lifespan
LED	60 W	50,000 hours

Color	Quantity	Current
White	1	12,000 mA

Photo Optic

Parameter	Standard Optics
Illuminance @ 5 m	6,243 lx
Beam angle	6º

Head Movement

Pan Range	Tilt Range	Fine Adjustment Option
0~540º	0~270º	Yes (Advanced Mode)

Gobos

External Diameter	Image Diameter	Thickness
25.95 mm	19 mm	1.1 mm max.

Thermal

Maximum External Temp.	Cooling System
104° F (40° C)	Fan

DMX

I/O Connectors	Connector Type	Channel Range
3-pin XLR	Sockets	9 and 12

Ordering

Q-Beam 260-LED
QBEAM260LED