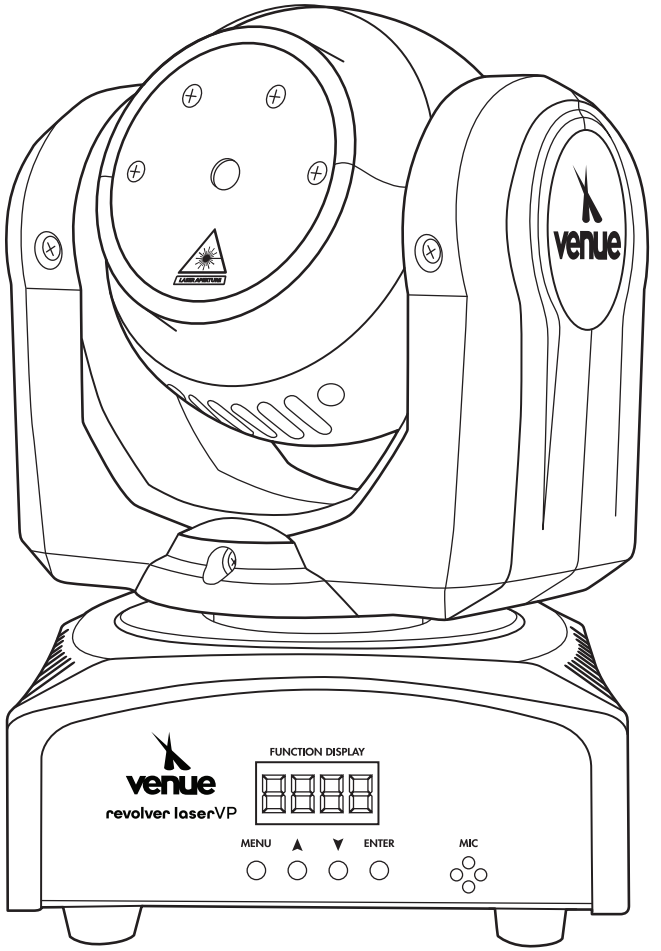
revolver laserVP

DUAL-SIDED MOVING HEAD EFFECT LIGHT
WITH LASER AND MOONFLOWER



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INTRODUCTION

The Venue Revolver LaserVP is a DMX intelligent, dual sided, moving head effect light, which includes both a laser and moonflower effect. It is lightweight and compact which makes it a great light for mobile DJs, clubs and parties. This unit can be used as a standalone fixture in sound-activated mode, or controlled via DMX controller. Additionally, this fixture can operate wirelessly using the Venue Tetra Control 2 and VenueLink wireless DMX dongle.

TABLE OF CONTENTS

BEFORE YOU BEGIN

What Is Included

- Revolver LaserVP
- Mounting Bracket
- Mounting Bolts (x2)
- 13mm Safety Loop
- Power Cord
- User Manual

Unpacking Instructions

Carefully unpack the carton, then check the contents to ensure that all parts are present and have been received in good condition. Notify the shipper immediately and retain packing material for inspection if any parts appear damaged from shipping, or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

Manual Conventions

Venue® manuals use the following conventions to differentiate certain types of information from the regular text.

CONVENTION	MEANING
<Menu>	Key to be pressed on the fixture's Control Display
1~512	Range of values
50/60	Set of values of which only one can be chosen
Settings	Menu option not to be modified (for example, showing the operating mode/current status)
MENU > Settings	Sequence of menu options to be followed
ON	Value to be entered or selected

Icons

This manual uses the following icons to indicate information that requires special attention on the part of the user.

ICONS	MEANING
	This paragraph contains critical installation, configuration or operation information. Failure to comply with this information may render the fixture partially or completely inoperative, cause damage to the fixture or cause harm to the user.
	This paragraph contains important installation or configuration information. Failure to comply with this information may prevent the fixture from functioning correctly.
	This paragraph reminds you of useful, although not critical, information.

SAFETY INSTRUCTIONS

Please read these instructions carefully. It includes important information about the installation, usage and maintenance of this product.

Laser Warning

The arrow indicates the laser aperture.
AVOID EXPOSURE – LASER RADIATION IS EMITTED FROM THIS APERTURE

Use extreme caution when the laser beam is turned on. When device is in use, do NOT look directly or indirectly (reflectance) into the laser beam. NEVER point the laser beam directly or via a reflecting surface towards another people's or animals' eyes or skin. Burns and permanent eye damage will result.

Do not point the laser beam towards highly explosive gases.

Keep out of reach of children.

FCC Statement

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
   (1) This device may not cause harmful interference, and
   (2) This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.
Increase the separation between the equipment and receiver.
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
Consult the dealer or an experienced radio/TV technician for help.

General Safety

- Please keep this User Manual for future reference.
- Make sure that you are connecting to the proper voltage, and that the line voltage you are connecting to is not higher than that stated on the decal or rear panel of the fixture.
- This product is intended for indoor use only! To prevent risk of fire or shock, do not expose fixture to rain or moisture.
- Make sure there are no flammable materials close to the unit while operating.
- The unit must be installed in a location with adequate ventilation, at least 20" (50 cm) from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Always disconnect from the power source before servicing or replacing the fuse and be sure to replace with same type fuse.
- Secure fixture to included safety loop using a safety chain.
- Maximum ambient temperature is 104° F (40° C). Do not operate the fixture at temperatures higher than this.
- In the event of a serious operating problem, stop using the unit immediately. Never try to repair the unit yourself.
- Never connect the device to a dimmer pack.
- Make sure the power cord is never crimped or damaged.
- Never disconnect the power cord by pulling or tugging on the cord.
- Never carry the fixture directly from the cord. Always use the hanging/mounting bracket.
- Avoid direct eye exposure to the light source while it is on.

INTRODUCTIONS

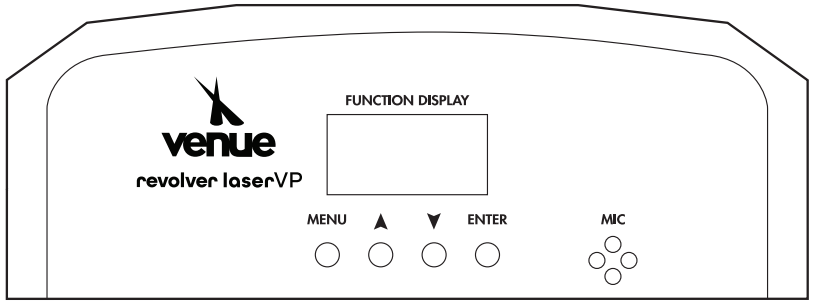
Control Features

- Dual-sided moving head, with laser and moonflower effects
- Static colors and RGBW color mixing with or without DMX controller
- 540° pan control and unlimited tilt control, with or without DMX controller
- Built-in automated programs via master/slave or DMX with variable speed
- Built-in sound activated programs via master/slave or DMX
- 11, 13, and 17 channel DMX-512 operation
- VenueLink wireless DMX dongle port for use with Venue Tetra Control 2
- 3-pin DMX In and Out ports

Additional Features

- Includes rubber feet for desktop placement & metal bracket/safety loop for truss mounting

Control Panel



SETUP

AC Power

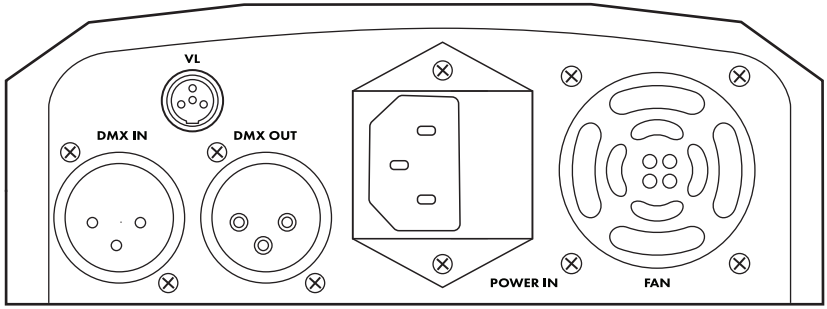
This fixture runs on 100~240 VAC, 50/60 Hz. Before powering on the unit, make sure the line voltage is within the range of accepted voltages.

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

Always connect the fixture to a switched circuit. Never connect the fixture to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used only as a 0 to 100% switch.

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

Back Panel



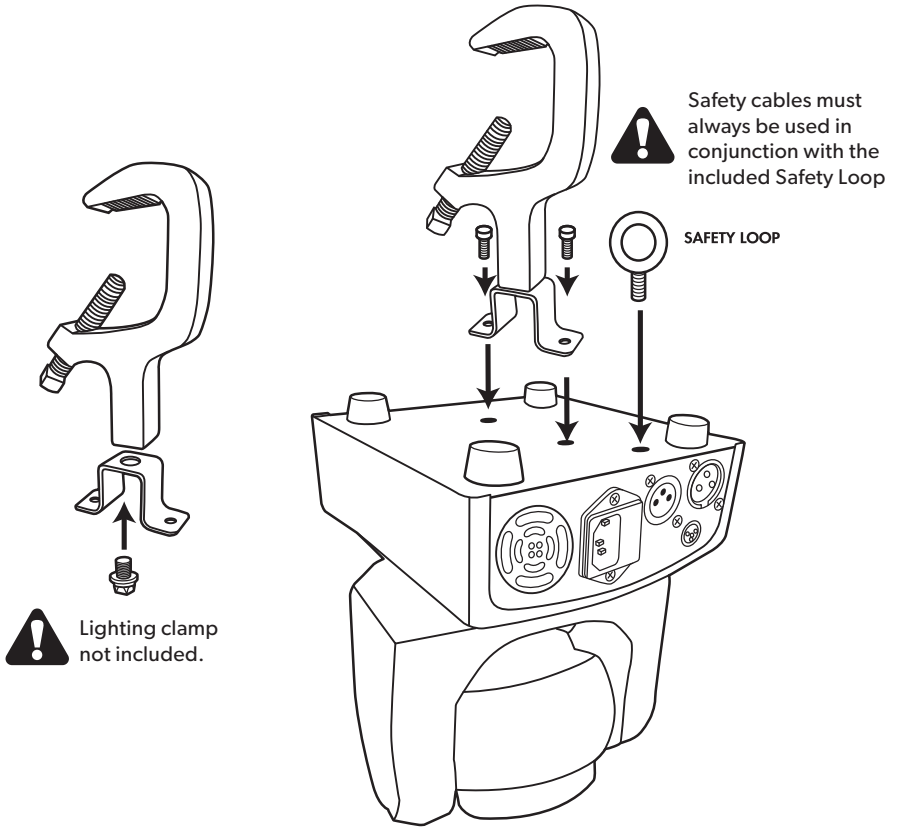
Mounting Orientation

The Revolver Laser includes a metal bracket and safety loop for hanging upside-down only.

Rigging

Be sure that the structure can support the weight of the fixture. Please see the "Technical Specifications" section of this manual for a detailed weight listing. Mount the fixture securely. This may be done with a screw, nut and bolt, or a hanging clamp (not included). The hole in each bracket can fit a 13mm screw or bolt. When rigging, consider routine maintenance and back panel access. Please see the following steps for installation.

- Ensure that cables are neatly organized and sufficient space is provided to allow full movement of the fixture.
- There are rubber feet attached to the base, which may be used primarily for floor or desk standing positions.
- Safety cables must always be used.

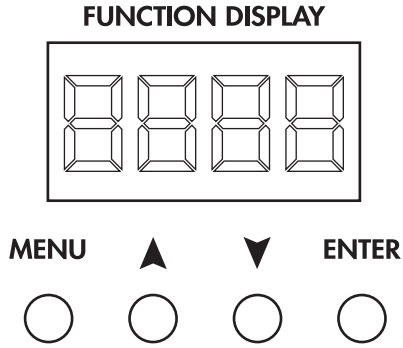


OPERATING INSTRUCTIONS

Control Panel Buttons

Access these functions using the four buttons located directly underneath the LED Control Display.

BUTTON	FUNCTION
<Menu>	Scrolls through the current operating mode, as well as back out of the current menu option
<UP>	Selects increasing advancement in the value
<DOWN>	Selects decreasing advancement in the value
<ENTER>	Selects a value and stores it to memory



The Control Display shows the current state of the unit. It is used to select the operating mode, as well as the sub-features. For detailed functions, please see the section below.

Control Panel Menu Selections

	MAIN FUNCTION	SUB-FUNCTION	SELECTION	INSTRUCTION
DMX Address	Addr		1-512	Select starting DMX address
Channel Mode	ChNd	11CH		Select between 11-channel, 13-channel, and 17-channel DMX modes.
		13CH		
		17CH		
Master/Slave Mode	SLNd	NASt		Designate as the master unit
		SL1		Designate as slave unit
		SL2		Designate as slave unit in random mode, switches between slave and Auto Program

Control Panel Menu Selections (Continued)

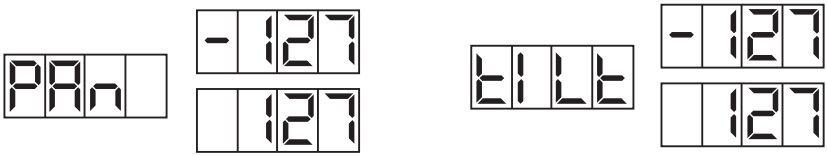
Scene/Program	ShNd	SH 0		Select pre-programmed chase 0 - 10
		SH 1		
		SH 2		
		SH 3		
		SH 4		
		SH 5		
		SH 6		
		SH 7		
		SH 8		
		SH 9		
		SH 10		
Auto Mode	Auto	On		Enable or disable automatic movement sequence and must be switched to "OFF" for Sound Active Mode
		Off		
Sound Active	SoUn	On		Enable or disable sound-active mode, Auto Mode must be turned "OFF" for Sound Active mode
		Off		
Audio Sensitivity	Sens		0–100	Select sensitivity level of the microphone between 0 (less sensitive) and 100 (more sensitive).
Pause Mode	bLNd	Yes		Pause current program (Blackout)
		No		Resume program
Dimming	dINd	Stda		Select "Standard" dimming mode
		StGE		Select "Stage" dimming mode
		tv		Select "TV" dimming mode
		ArAL		Select "Architectural" dimming mode
		tHAL		Select "Theatrical" dimming mode
Pan Turn	PInt	No		Select standard or reverse X-axis movement
		Yes		

Control Panel Menu Selections (Continued)

	MAIN FUNCTION	SUB-FUNCTION	SELECTION	INSTRUCTION
Tilt Turn	tInt	No		Select standard or reverse Y-axis movement
		Yes		
Led Display	Led	On		Select whether the LED display will always be illuminated.
		Off		
Flip Display	dISP			When this menu option is selected, the display will instantly flip upside-down, for better visibility when hanging from a truss.
Test	teSt			When this menu option is selected, the light will test movement, and cycle through all colors until "Menu" is pressed again.
Manual Control	Nanu	Pan	0 - 255	Manually alter parameters, specifying values between 0 - 255 for all options.
		Tilt	0 - 255	
		Red 1	0 - 255	
		Green 1	0 - 255	
		Blue 1	0 - 255	
		White 1	0 - 255	
		Laser	0 - 255	
		Dimmer	0 - 255	
		Strobe	0 - 255	
White Color Balance Setting	bALA	Red 1		Manually alter white color balance, specifying values between 125 - 255 for all options.
		Green 1		
		Blue 1		
Soft Reset	rSet			When this menu option is selected, the motor will briefly reset but all user settings will be retained.
Factory Reset	rFAC			When this menu option is selected, the light will reset back to its factory settings.

Pan/Tilt Fine-Tuning Function

To fine-tune the pan or tilt position of the fixture, follow the steps below:
1. Press **<MENU>** until "PInt" or "tInt" appears on the LED screen.
2. Press and hold **<ENTER>** until the display reverts to either "PInt" or "tInt".
3. Press **<ENTER>**.
4. Using **<UP>** and **<DOWN>**, adjust the fine-tuning of your tilt or pan position between -127 – 127.
5. Press **<ENTER>** to confirm settings.



STANDALONE OPERATION

There are two standalone operation options, Automatic and Sound-Active. When the fixture is being used in either of these modes, and a button on the control panel is pressed, the fixture light and motor functions will cease and the fixture will default to a neutral position. To exit editing and return to standalone operation, press and hold **<MENU>** for 2 seconds or do not press buttons for 10 seconds.

Automatic

This fixture has 11 preprogrammed chases. These are accessed via the Control Display (page 6).
The speed can be adjusted between a slow pan and quick sequences.

1. Press **<MENU>** until "ShnD" appears on the LED screen.
2. Press **<ENTER>**.
3. Using **<UP>** and **<DOWN>**, select the desired program (Sh0–Sh10).
4. Press **<ENTER>**.
5. Press **<MENU>** until "Auto" appears on the LED screen.
6. Using **<UP>** and **<DOWN>**, select "on" to enable quick movement sequences, or "oFF" to enable a slow pan.
7. Press **<ENTER>** to confirm settings.

Sound-Active

While an automatic program is enabled, you can choose whether or not to use the built-in microphone for sound-active response. This option is accessed via the Control Display (page 6).

1. Press **<MENU>** until "SoUn" appears on the LED screen.
2. Press **<ENTER>**.
3. Using **<UP>** and **<DOWN>**, select either "on" or "oFF" to enable or disable sound-active mode.
4. Press **<ENTER>** to confirm settings.
5. Press **<MENU>** until "Auto" appears on the LED screen.
6. Using **<UP>** and **<DOWN>**, select "off" to allow sound active movement, or "on" to enable quick auto movement sequences.
7. Press **<ENTER>** to confirm settings.

Audio Sensitivity

While in sound active mode, you can adjust the sensitivity of the microphone via the Control Display (page 6).

1. Activate a sound-active program (SoUn – ON).
2. Press **<MENU>** until "SENS" appears on the LED screen .
3. Press **<ENTER>**.
4. Press **<UP>** or **<DOWN>** to adjust the sensitivity between 0 and 100 (0 = least sensitive, 100 = most sensitive)
5. Press **<ENTER>** to save your sensitivity setting.

Custom Static Colors / Manual Control

This fixture has the ability to accept custom static color settings, as well as alter the dimmer, strobe, and pan/tilt angle through the main menu. These are accessed via the Control Display (page 6).

1. Press **<MENU>** until "NAnu" appears on the LED screen.
2. Press **<ENTER>**.
3. Using **<UP>** and **<DOWN>**, select the color or parameter you would like to adjust.
4. Press **<ENTER>**.
5. Using **<UP>** and **<DOWN>**, select the desired value (0 - 255). By selecting 0 for a color parameter, that color will remain off.
6. Press **<ENTER>**.
7. Repeat steps 3 - 6 until the desired color and position is obtained. The current setting will remain active until **<MENU>** is pressed again, at which point the unit will revert back to its most recent program.

The colors are represented by the following in the menu map:

Red1 = Moonflower Red (0 – 255)
Gee1 = Moonflower Green (0 – 255)
bLu1 = Moonflower White (0 – 255)
Uhl1 = Moonflower White (0 – 255)
Led2 = Laser (0 – 255)

DMX OPERATION

This is the operating mode which will allow for an external DMX controller. You must set the starting address for this mode. If this is your first time using DMX, then it is recommended that you refer to the "DMX Primer" section in the "Appendix" of this manual.

1. Press **<MENU>** until "ChNd" appears on the LED screen
2. Using **<UP>** and **<DOWN>**, select either "11-CH", "13-CH", or "17-CH".
3. Press **<ENTER>**.

Configuring The Starting Address

Each fixture requires a starting address from 1~512. A fixture requiring one or more channels for control begins to read the data on the channel indicated by the starting address. For example, a fixture that uses seven DMX channels and is addressed to start on DMX channel 100, will read data from channels: 100, 101, 102, 103, 104, 105 and 106. Choose the starting addresses for each fixture so that the channels used do not overlap. In addition, you should note the starting address selected for future reference.

1. Press **<MENU>** until "Addr" appears on the LED screen.
2. Press **<ENTER>**.
3. Using **<UP>** and **<DOWN>**, select the desired DMX address (1–512).
4. Press **<ENTER>**.

The fixture will blink the numerical value of the starting address if it is receiving DMX signal. If DMX signal is lost, the LED screen will read "dnH."

Master/Slave (Standalone Operating Modes)

This is the operating mode which will allow one fixture to act as the master and control all of the other slave fixtures. You must set both the master and the slave(s) fixtures to the correct mode for this operation.

Master Settings:

1. Connect the fixtures with DMX cables, as shown in the "Fixture Linking" section.
2. Press **<MENU>** until "SLNd" appears on the LED screen.
3.Press **<ENTER>**.
4. Using **<UP>** and **<DOWN>**, select NASt.
5. Press **<ENTER>**.

Slave Settings:

1. Press **<MENU>** until "SLNd" appears on the LED screen.
2. Press **<ENTER>**.
3. Using **<UP>** and **<DOWN>**, select either "SL 1" or "SL 2".
4. Press **<ENTER>**.

Note that SL1 and SL2 settings react to the master unit differently:

SL1 = Normal Slave Mode (follows the master unit exactly)

SL2 = Random Slave Mode (switches between slave setting and automatic internal program)

Although any fixture in the DMX daisy chain may be set to master, it is advisable to set the master as the first fixture in the line.

Only one fixture may be set to master.

Do not connect a DMX controller to the daisy chain for this operating mode.

It does not matter which DMX mode is selected for the slave fixtures.
Either mode will be effective.

11-Ch Mode DMX Operation

CHANNEL	CHANNEL FUNCTION
1	Pan Turn
2	Tilt Turn
3	Tilt Unlimited Rotation
4	Red1
5	Green1
6	Blue1
7	White1
8	Laser
9	Strobe
10	Open Light
11	Multi-Working Mode

13-Ch Mode DMX Operation

CHANNEL	CHANNEL FUNCTION
1	Pan Turn
2	Tilt Turn
3	Tilt Unlimited Rotation
4	Pan/Tilt Turn Speed
5	Red1
6	Green1
7	Blue1
8	White1
9	Laser
10	Strobe
11	Open Light
12	Dimming
13	Multi- Working Mode

17-Ch Mode DMX Operation

CHANNEL	CHANNEL FUNCTION
1	Pan Turn
2	Tilt Turn
3	Tilt Unlimited Rotation
4	Pan/Tilt Turn Speed
5	Red1
6	Green1
7	Blue1
8	White1
9	Laser
10	Strobe
11	Open Light
12	Dimming
13	Color Change
14	Color Macro Speed
15	Pan/Tilt Macro
16	Pan/Tilt Macro Speed
17	Multi-Working Mode

17-Ch Mode DMX Operation

FUNCTION	VALUE	PERECENT/SETTING	MODE 11 CH	MODE 13 CH	MODE 17 CH
Pan	000–255	0~100%	1	1	1
Tilt	000–255	0~100%	2	2	2
Tilt Unlimited Rotation	000–127 128–189 190–193 194–255	Null Counter-clockwise from fast to slow Stop Clockwise direction from slow to fast	3	3	3
Pan/Tilt Speed	000–255	From fast to slow		4	4
Red1	000–255	0~100%	4	5	5
Green1	000–255	0~100%	5	6	6
Blue1	000–255	0~100%	6	7	7
White1	000–255	0~100%	7	8	8
Laser	000–255	0~100%	8	9	9
Strobe	000–007 008–015 016–131 132–139 140–181 182–189 190–231 232–239 240–247 248–255	OFF Open Strobe from slow to fast Open OFF fast and slow-open Open ON fast and slow OFF Open Random strobe Open	9	10	10
Open Light	000–255	0~100%	10	11	11
Dim Modes	000–020 021–040 041–060 061–080 081–100 101–255	Stda(Standard) StGE(Stage) tv(TV) ArAL(Architectural) tHAL(Theatrical) Default setting		12	12
Color Color Select	000–007 008–011 012–015 016–019 020–022 023–026 027–030 031–034 035–037 038–041 042–045 046–048 049–052 053–056 057–060 061–063 064–067 068–071 072–075 076–078 079–082	Null Color 1 Color 2 Color 3 Color 4 Color 5 Color 6 Color 7 Color 8 Color 9 Color 10 Color 11 Color 12 Color 13 Color 14 Color 15 Color 16 Color 17 Color 18 Color 19 Color 20			13

17-Ch Mode DMX Operation (Continued)

FUNCTION	VALUE	PERECENT/SETTING	MODE 11 CH	MODE 13 CH	MODE 17 CH
	083–086	Color 21			
	087–089	Color 22			
	090–093	Color 23			
	094–097	Color 24			
	098–101	Color 25			
	102–104	Color 26			
	105–108	Color 27			
	109–112	Color 28			
	113–115	Color 29			
	116–119	Color 30			
	120–123	Color 31			
	124–127	Color 32			
	128–131	Color Macro 1			
	132–135	Color Macro 2			
	136–139	Color Macro 3			
	140–143	Color Macro 4			
	144–147	Color Macro 5			
	148–151	Color Macro 6			
	152–155	Color Macro 7			
	156–159	Color Macro 8			
	160–163	Color Macro 9			
	164–167	Color Macro 10			
	168–171	Color Macro 11			
	172–175	Color Macro 12			
	176–179	Color Macro 13			
	180–183	Color Macro 14			
	184–187	Color Macro 15			
	188–191	Color Macro 16			
	192–195	Color Fade Macro 1			
	196–199	Color Fade Macro 2			
	200–203	Color Fade Macro 3			
	204–207	Color Fade Macro 4			
	208–211	Color Fade Macro 5			
	212–215	Color Fade Macro 6			
	216–219	Color Fade Macro 7			
	220–223	Color Fade Macro 8			
	224–227	Color Fade Macro 9			
	228–231	Color Fade Macro 10			
	232–235	Color Fade Macro 11			
	236–239	Color Fade Macro 12			
	240–243	Color Fade Macro 13			
	244–247	Color Fade Macro 14			
	248–251	Color Fade Macro 15			
	252–255	Color Fade Macro 16			
Color Macro Speed	000–255	From slow to fast			14
Pan/Tilt Macro	000–015	NULL			15
	016–035	Macro 1			
	036–055	Macro 2			
	056–075	Macro 3			
	076-095	Macro 4			
	096-115	Macro 5			
	116-135	Macro 6			
	136-155	Macro 7			
	156-175	Macro 8			
	176-195	Macro 9			
	196-215	Macro 10			
	216-235	Macro 11			
	236-255	Macro 12			

17-Ch Mode DMX Operation (Continued)

FUNCTION	VALUE	PERECENT/SETTING	MODE 11 CH	MODE 13 CH	MODE 17 CH
Pan/Tilt Speed	000-255	From slow to fast			16
Multi- Working Mode	000-069 070-079 080-089 090-099 100-179 180-189 190-199 200-209 210-249 250-255	No When Pan/ Tilt turn, off the light No When change color, off the light No Auto run No Reset No Sound control	11	13	17

APPENDIX

DMX Primer

There are 512 channels in a DMX connection. Channels may be assigned in any manner. A fixture capable of receiving DMX will require one or a number of sequential channels. The user must assign a starting address on the fixture that indicates the first channel reserved in the controller. There are many different types of DMX controllable fixtures and they all may vary in the total number of channels required. Choosing a start address should be planned in advance. Channels should never overlap. If they do, this will result in erratic operation of the fixtures whose starting address is set incorrectly. You can however, control multiple fixtures of the same type using the same starting address as long as the intended result is that of unison movement or operation. In other words, the fixtures will be slaved together and will all respond exactly the same. Consult the Owner's Manual to your DMX controller for more information.

DMX fixtures are designed to receive data through a serial Daisy Chain. A Daisy Chain connection is where the DATA OUT of one fixture connects to the DATA IN of the next fixture. The order in which the fixtures are connected is not important and has no effect on how a controller communicates to each fixture. Use an order that provides for the easiest and most direct cabling. Connect fixtures using shielded two-conductor twisted pair cable with three pin XLR male to female connectors. The shield connection is pin 1, while pin 2 is Data Negative (S-), and pin 3 is Data Positive (S+).

Fixture Linking

You will need a serial data link to run light shows of one or more fixtures using a DMX controller or to run synchronized shows on two or more fixtures set to a master/slave operating mode. The combined number of channels required by all the fixtures on a serial data link determines the number of fixtures the data link can support.

Fixtures on a serial data link must be daisy chained in one single line. To comply with the EIA-485 standard, no more than 32 fixtures should be connected on one data link. Connecting more than 32 fixtures on one serial data link without the use of a DMX optically-isolated splitter may result in deterioration of the DMX signal.

Maximum recommended serial data link distance:	500 m (1640 ft)
Maximum recommended number of fixtures on a serial data link:	32

DMX Data Cable

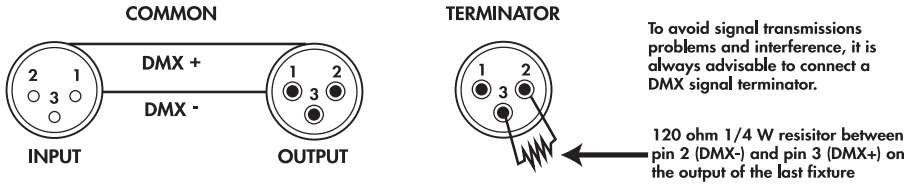
Use a cable which meets the specifications for EIA RS-485 applications. Standard microphone cables cannot transmit DMX data reliably over long distances. The cable must have the following characteristics:

Type:	Shielded, 2-conductor, twisted pair
Maximum capacitance between conductors:	30 pF/ft
Maximum capacitance between conductor and shield:	55 pF/ft
Maximum resistance:	20 Ohms/1000 ft
Nominal impedance:	100 ~ 140 Ohms

Cable Connectors

Cabling must have a male XLR connector on one end and a female XLR connector on the other end.

DMX CONNECTOR CONFIGURATION



Do not allow contact between the common and the fixture's chassis ground. Grounding the common can cause a ground loop, and your fixture may perform erratically. Test cables with an Ohm meter to verify correct polarity and to make sure the pins are not grounded or shorted to the shield or each other.

3-Pin To 5-Pin Conversion Chart

If you use a controller with a 5-pin DMX output connector, you will need to use a 5-pin to 3-pin adapter. The chart below details a proper cable conversion:

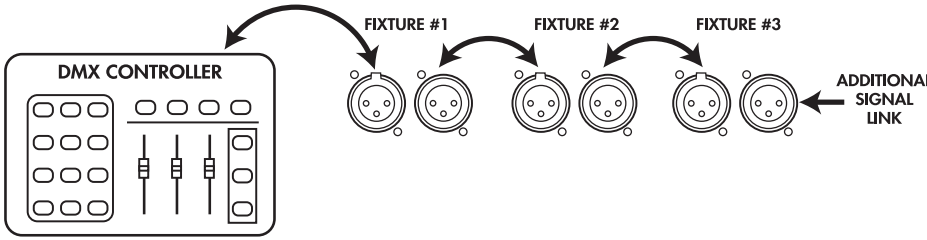
3-PIN TO 5-PIN CONVERSION CHART		
Conductor	3-Pin Female (Output)	5-Pin Male (Input)
Ground/Shield	Pin 1	Pin 1
Data (-) Signal	Pin 2	Pin 2
Data (+) Signal	Pin 3	Pin 3
Not Used		Pin4
Not Used		Pin 5

Signal Linking

In order to use this unit in DMX operation, you may either daisy chain using DMX cables to link from one fixture to another, or transmit commands via a VenueLink Wireless DMX dongle to compatible Venue products.

To Daisy Chain Using DMX Cables:

1. Connect the (male) 3-pin connector side of the DMX cable to the output (female) 3-pin connector of the controller.
2. Connect the end of the cable coming from the controller which will have a (female) 3-pin connector to the input connector of the next fixture consisting of a (male) 3-pin connector.
3. Then, proceed to connect from the output as stated above to the input of the following fixture and so on.



Tetra Control 2

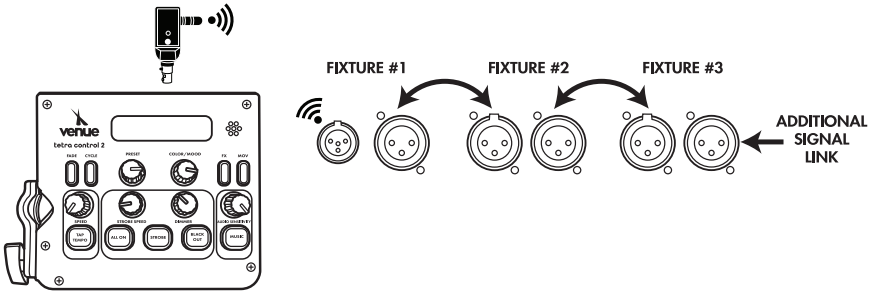
You may control this unit with a Venue Tetra Control 2 through the aforementioned DMX Data Cable or through use of VenueLink wireless DMX communication. The Tetra Control 2 requires a VenueLink dongle to transmit DMX commands. While connected to the controller, the dongle will automatically begin transmitting DMX signal. The dongles are powered by the connected device, so they do not need to be charged and do not require batteries.

To use with Tetra Control 2:

1. Using the Function Display, set the DMX channel mode of this fixture to 11-channel mode.
2. Connect this fixture to the Tetra Control 2 using a VenueLink Wireless DMX dongle or through DMX cable. If using dongles, use the button on the dongle to match the same universe as the controller. The color of the LED on the dongle should match that of the dongle on the controller.
3. Ensure the controller Moving Head mode in the Set Up menu is set to RevLaser or RevMix. When in RevMix mode, set this fixture to channel 30. When in RevLaser mode, you may set this fixture to either channel 30 or 41.

VenueLink Signal Linking

With the use of a VenueLink dongle, the Tetra Control 2 can transmit wireless DMX commands to up to 32 independent wireless fixtures. As an alternative to transmitting to independent wireless fixtures, you may daisy chain off of a wireless fixture as the first in the series.



General Troubleshooting

SYMPTOM	POSSIBLE CAUSE(S)	POSSIBLE ACTION(S)
Breaker/Fuse keeps 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 (internal and/ or external)
Device does not power up	• No power • Loose power cord	• Check for power on Mains • Check power cord
Fixture is not responding to DMX	• Wrong DMX addressing • Damaged DMX cables • Wrong polarity settings on the controller • Loose DMX cables • Faulty DMX interface • Faulty Main PCB	• Check Control Display and unit addressing • Check DMX cables • Check polarity switch settings on the controller • Check cable connections • Replace DMX input • Replace Main PCB
Loss of signal	• 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 amplifier right after fixture with strong signal • Install an optically coupled DMX splitter after unit #32 • Keep DMX cables separated from power cables or black light

General Maintenance

To maintain optimum performance and minimize wear, fixtures should be cleaned frequently. Usage and environment are contributing factors in determining frequency. As a general rule, fixtures should be cleaned at least twice a month. Dust reduces performance and can cause overheating. This can lead to reduced lamp life and increased mechanical wear. Be sure to power off fixture before conducting maintenance.

- Unplug fixture from power.
- Use a vacuum or air compressor and a soft brush to remove dust collected on external vents.
- Clean all glass when the fixture is cold with a mild solution of glass cleaner or Isopropyl Alcohol and a soft lint-free cotton cloth or lens tissue.
- Apply solution to the cloth or tissue and drag dirt and grime to the outside of the lens.
- Gently polish optical surfaces until they are free of haze and lint.

The cleaning of external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates. Damp, smoky or particularly dirty surroundings can cause greater accumulation of dirt on the unit's optics. Clean with soft cloth using normal glass cleaning fluid. Clean the external optics at least every 20 days. Clean the fixture at least every 30/60 days.

Always dry parts carefully after cleaning them.

Never spin a fan using compressed air.

TECHNICAL SPECIFICATIONS

Weight & Dimensions

Length:	6.86" (174.3mm)
Width:	5.78" (147mm)
Height:	8.98" (228.1mm)
Weight:	5.18 lbs (2.35 kg)

Power

Auto-Ranging Power Supply:	100~240 VAC, 50/60 Hz
Power Consumption @ 120 V:	27 W max, 0.37 A inrush
Power Consumption @ 230 V:	27 W max, 0.20 A inrush
Fuse	2A

Light Source

Laser	x1 (Green)
Maximum Output	<4.9mW
Emitted Wavelengths	532 nm
Moonflower LED	x1 (8-watt, RGBW)
Lux @ 2 m	1242
Beam Angle	4°

Thermal

Maximum Ambient Temperature	104° F (40° C)
Cooling	Fan

Motion

Y-Axis Rotation	Continuous
X-Axis Rotation	540°

WARRANTY

One (1) Year Limited Warranty

Subject to the limitations set forth below, Venue® hereby represents and warrants that the components of this product shall be free from defects in workmanship and materials, including implied warranties of merchantability or fitness for a particular purpose, subject to normal use and service, for one (1) year (ninety (90) days on lamps) to the original owner from the date of purchase.

Retailer and manufacturer shall not be liable for damages based upon inconvenience, loss of use of product, loss of time, interrupted operation or commercial loss or any other incidental or consequential damages including but not limited to lost profits, downtime, goodwill, damage to or replacement of equipment and property, and any costs of recovering, reprogramming, or reproducing any program or data stored in equipment that is used with Venue® products. This guarantee gives you specific legal rights. You may have other legal rights which vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Venue Lighting Effects
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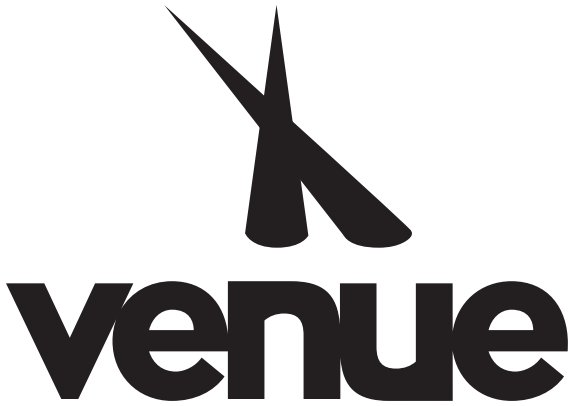

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