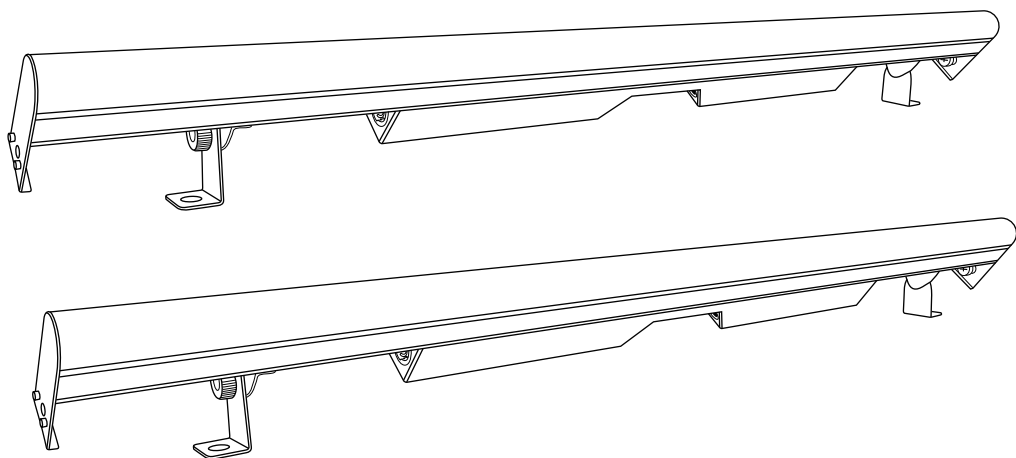




60W RGB Pixel Light Bar

User Manual



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YeeSite PRODUCTS CUSTOMER SUPPORT

Contact YeeSite Service for any product related service and support needs.

YeeSite Service:

Tel: +86-135-3054-4109 / Email: odis_yeesite@outlook.com

Saving electric energy is a key to help protecting the environment. Please turn off all electrical products when they are not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from power when not in use. Thank you!

GENERAL INFORMATION

INTRODUCTION

Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this device. These instructions contain important safety and use information.

UNPACKING

Every device has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton is damaged, carefully inspect the device for damage, and be sure all accessories necessary to install and operate the device have arrived intact. In the event damage has been found or parts are missing, please contact our customer support team for further instructions. Please do not return this device to your dealer without first contacting customer support. Please do not discard the shipping carton in the trash. Please recycle whenever possible.

CUSTOMER SUPPORT

Contact YeeSite Service for any product related service and support needs. You may also contact us for any comments or suggestions.

YeeSite SERVICE USA - Monday - Friday 9:00am to 6:00pm PST

REPLACEMENT PARTS- please contact our customer service's email: odis_yeesite@outlook.com



IMPORTANT NOTICE!

THERE ARE NO USER SERVICEABLE PARTS INSIDE THIS UNIT.

DO NOT ATTEMPT ANY REPAIRS YOURSELF; DOING SO WILL VOID YOUR MANUFACTURER'S WARRANTY. DAMAGES RESULTING FROM MODIFICATIONS TO THIS FIXTURE AND/OR THE DISREGARD OF SAFETY INSTRUCTIONS AND GUIDELINES IN THIS MANUAL VOID THE MANUFACTURER'S WARRANTY AND ARE NOT SUBJECT TO WARRANTY CLAIMS AND/OR REPAIRS.

WARRANTY REGISTRATION

The 2 pack 90LEDs RGB pixel light bar carries 1 year limited warranty and 30-days returned policy by default. All returned service items, whether under warranty or not, must be contact us in advance and accompanied by a order number. After YeeSite agree your return, order number must be clearly written on the outside of the return package and a brief description of the problem as well as the order number must also be written down on a piece of paper included in the shipping carton. If the unit is under warranty, you must provide a copy of your proof of purchase invoice or order screenshot and please contact YeeSite Products Service Department at odis_yeesite@outlook.com / +86-135-3054-4109 in advance. All packages returned to the CA warehouse not displaying an order number on the outside of the package will be not returned to the shipper and without any after-sale service.

INCLUDED ITEMS:

- 2 x 90LEDs Pixel Light Bar
- 2 x Power Cable
- 4 x Bracket
- 1 x User Manual

IP RATING

This device is IP20 rated. This means that the unit is protected against the instruction of solids approximately the size of an adult finger (2.5mm) or larger, but the unit is not protected against water or liquid intrusion of any kind.

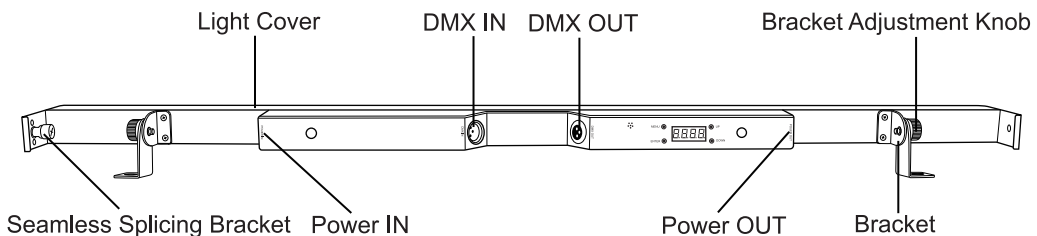
SAFETY GUIDELINES

This fixture is composed of sophisticated electronic components. To guarantee smooth operation, it is important to follow all instructions and guidelines in this manual. YeeSite is not responsible for injury and/or damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual. Any modifications to the fixture and/or the included mounting hardware will void the original manufacturer's warranty and increase the risk of damage and/or personal injury.

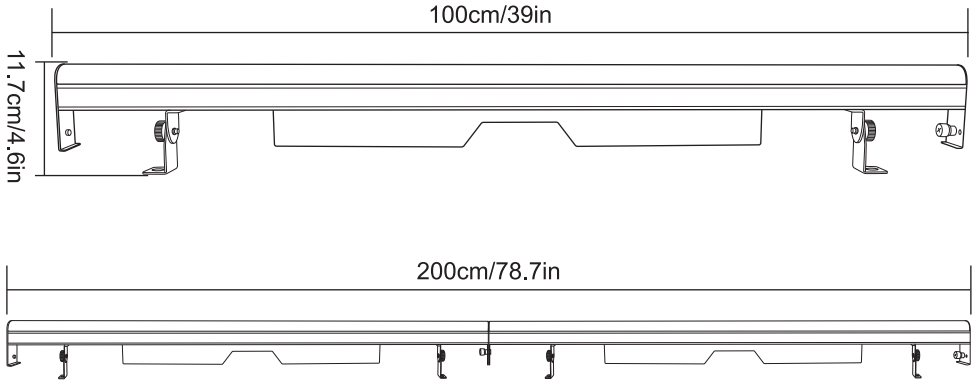
- Protection class 1 - fixture must be properly grounded.
- Do not attempt any repairs yourself; doing so will void your manufacturer's warranty. Damages resulting from modifications to this fixture and/or the disregard of safety instructions and guidelines in this manual void the manufacturer's warranty and are not subject to any warranty claims and/or repairs.

- Do not plug fixture into a dimmer pack!
- Never open this fixture while in use!
- Unplug power before servicing fixture!
- Never touch fixture during operation, as it may be hot!
- Keep flammable materials away from fixture!
- Never look directly into the light source!
- Indoor / dry locations use only!
- Do not expose fixture to rain and moisture!
- Minimum distance to objects/surfaces is 1.6 feet (0.5 meters)
- Minimum distance to flammable materials from the surface is 8 inches (20 centimeters).
- Do not shake fixture, and avoid brute force when installing and/or operating fixture.
- Do not operate fixture if the power cord is frayed, crimped, damaged and/or if any of the power cord connectors are damaged and do not insert into the fixture securely with ease. Never force a power cord connector into the fixture. If the power cord or any of its connectors are damaged, replace it immediately with a new one of the same power rating.
- When installing fixture in a suspended environment, always use mounting hardware that is no less than m10.
- Always disconnect fixture from main power source before performing any type of service and/or cleaning procedure.
- Only handle the power cord by the plug end. Never pull out the plug by tugging the wire portion of the cord.
- Consistent operational breaks will ensure fixture will function properly for many years.
- Only use original packaging and materials to transport the fixture in for service.

OVERVIEW



PRODUCT DIMENSIONS



INSTALLATION



FLAMMABLE MATERIAL WARNING

Keep fixture minimum 8" (20cm) away from flammable materials and/or pyrotechnics.



ELECTRICAL CONNECTIONS

A qualified electrician should be used for all electrical connections and/or installations.



MINIMUM DISTANCE TO OBJECTS/SURFACES IS 1.6 FEET (0.5 METERS).

DO NOT INSTALL THE FIXTURE IF YOU ARE NOT QUALIFIED TO DO SO!

- Fixture **MUST** be installed following all local, national, and country commercial electrical and construction codes and regulations.
- Before rigging/mounting a single fixture or multiple fixtures to any metal truss/structure or placing the fixture(s) on any surface, a professional equipment installer **MUST** be consulted to determine if the metal truss/structure or surface is properly certified to safely hold the combined weight of the fixture(s), clamps, cables, and accessories.

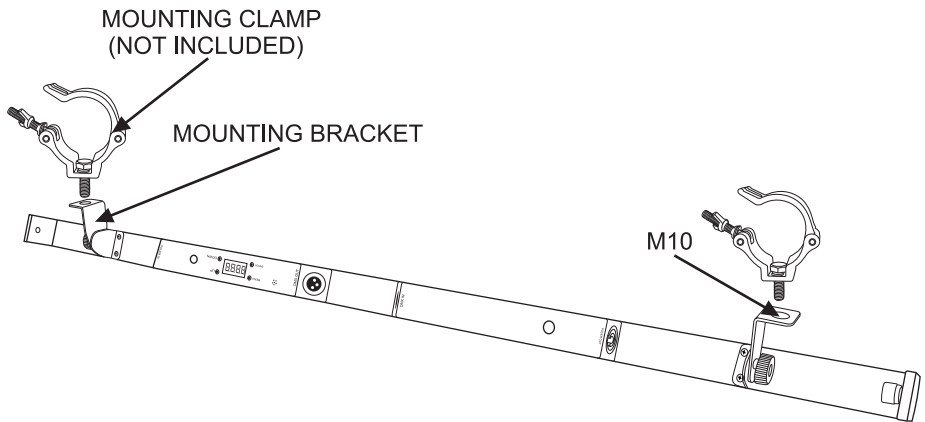
- Maximum ambient operating temperature is 104°F (40°C). Do not use fixture when ambient temperature exceeds this value.
- Fixture(s) should be installed outside walking paths, seating areas, or areas where unauthorized personnel might reach the fixture by hand.
- NEVER stand directly below the fixture(s) when rigging, removing, or servicing.
- Allow approximately 15 minutes for the fixture to cool down before servicing.

RIGGING

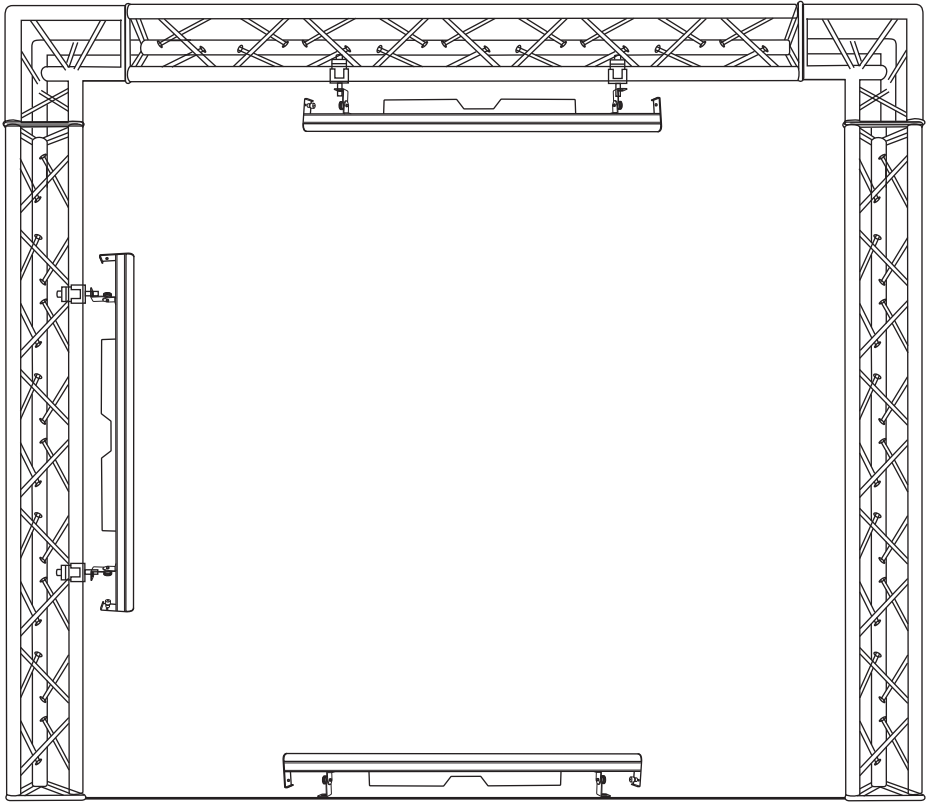
Overhead rigging requires extensive experience, including calculating working load limits, knowledge of installation material being used, and periodic safety inspection of all installation material and the fixture, among other skills. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

Orientation

The pixel light bar can be mounted in any position, however, make sure adequate ventilation is provided around the product .



The fixture is fully operational in three different mounting positions: hanging upside-down, mounted sideways on trussing, or set on a flat level surface. Be sure this fixture is kept at least 0.2m (8in.) away from any flammable materials (decoration etc.).



SET UP

Power Supply:

The pixel light bar supports wide voltage, which voltage range of 110 to 240 VAC, 50/60 Hz, no need to worry about the correct power voltage, and this unit can be plugged in anywhere.

DMX-512:

DMX is short for Digital Multiplex. This is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA "IN" and DATA "OUT" XLR terminals located on all DMX fixtures.

DMX Linking:

DMX is a language allowing all makes and models of different manufacturers to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, try to use the shortest cable path possible when linking several DMX fixtures. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example, a fixture assigned a DMX address of 1 may be placed anywhere in a DMX line: at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

Data Cable (DMX Cable) Requirements (For DMX Operation):

The pixel light bar can be controlled via DMX protocol. The pixel light bar has 5 DMX channels. Your unit and your DMX controller can accept either a standard 3-pin XLR connector for data input and data output. Be sure to use standard 110-120 Ohm shielded cable (This cable may be purchased at almost all pro lighting stores). Your cables should be made with a male XLR connector at one end of the cable and a female XLR connector at the other.

CONTROL PANEL

The fixture includes an easy to navigate system menu control panel display where all necessary settings and adjustments are made.

- **MENU:** Leave current menu and return to previous menu level.
- **UP:** Scroll up in currently displayed menu.
- **DOWN:** Scroll down in currently displayed menu.
- **ENTER:** Select an option or confirm a selection.



SYSTEM MENU

Mode	Programming		Description		
Auto Mode	Auto	Sp1-20	Auto Speed 1-20 (slow->fast)		
		St0-19	0 No strobe, strobe speed 1-19 (slow->fast)		
DMX Mode	Addr	3 CH	A001-A510	DMX modes and their addresses respectively. The product will automatically switch to DMX mode when DMX signal is detected	
		5 CH	A001-A508		
		8 CH	A001-A505		
		90 CH	A001-A423		
		94 CH	A001-A419		
Show	Shou	Sh1-67	Program Show 1-67		
		Sp1-20	Program Speed 1-20 (slow->fast)		
		St0-19	0 No strobe, program strobe speed 1-19 (slow->fast)		
Sound Mode	Soud	Sou1-3	Sound active modes 1-3, sound sensitivity 1-9		
		Sen1-9			
Slave	SLAV	Slave	Slave		
Edit Color	Colo	r000-255	Red (0-100%) Red Dimming		
		g000-255	Green (0-100%) Green Dimming		
		b000-255	Blue (0-100%) Blue Dimming		
		St0-19	0 No strobe, strobe speed 1-19 (slow->fast)		
Static Colors	StAt	CL01-CL38	1-37 Static colors, 38 blackout		
Product Set	Set	dis	10s	Turn backlight off after selected period of inactivity. Default period is 10 seconds.	
			20s		
			30s		
			60s		
		on	Backlight always on		
		dir	---->	Chasing direction: right	
			<----	Chasing direction: left	
	Send	yes	Send the DMX channel mode of the current product to the rest products in the DMX daisy chain		
Information	Info	ver	Vxxx	Software version	

OPERATING INSTRUCTIONS

Operating Modes:

The pixel light bar has six operating modes:

- **DMX Mode** - This function will allow you to control each individual fixtures traits with a standard DMX 512 controller.
- **Master-slave Mode** - Connect the units with DMX cables, and the slave unit will follow the master unit.
- **Sound Active Mode** - The unit will react to sound, chasing through the built in programs. The sound sensitivity is adjustable.
- **Auto Run Mode** - The unit will cycle through a set of preset internal programs. Color change and color fade speeds are adjustable.
- **Static Color Mode** - The fixed color in the unit.
- **Program Mode** - Pre installed features in the unit.

DMX Mode:

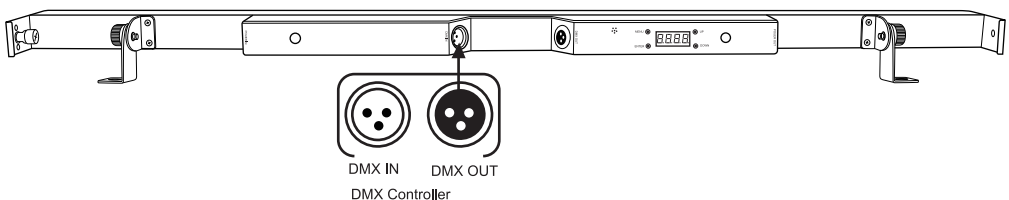
Operating through a DMX controller gives the user the freedom to create their own programs tailored to their own individual needs. The pixel light bar has 5 DMX Channel modes. See the **DMX Traits** section of this manual for detailed information.

1. This function will allow you to control each individual fixture's traits with a standard DMX 512 controller.
2. To run your fixture in DMX mode press the MENU button to "Addr" and press the ENTER button, "xx-CH" is displayed, "xx" represents the channel mode. Use the UP or DOWN buttons to select your desired channel.

DMX Connection:

Set the product in DMX mode/A001 to control with a DMX controller.

- Connect the product to a suitable power outlet.
- Connect a DMX cable from the DMX output of the DMX controller to the DMX input socket on the product.



Master-Slave Mode:

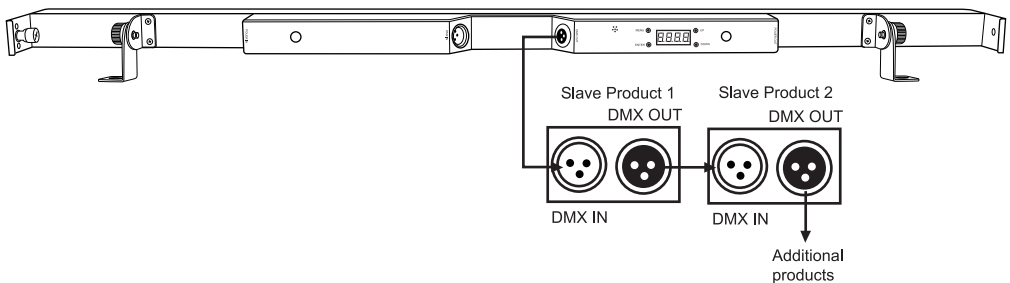
In this mode the pixel light bar allows you to link units together, one unit will act as the controlling unit and the others will react to the controlling unit's built-in programs. Any unit can act as a Primary or as a Secondary, but only one unit can be programmed to act as the "Master"

Slave units:

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

Master unit:

1. Set the master unit to operate in a standalone mode.
 2. Make the master unit the first unit in the daisy chain.
- **Configure all the slave units before connecting the master unit to the daisy chain.**
 - **Never connect a DMX controller to a DMX string configured for Master/Slave operation because the controller may interfere with the signals from the master unit.**



Sound Active Mode:

In this mode the pixel light bar will react to sound, and chase through the different colors.

1. Plug the fixture in and press the MENU button to "Soud" and press the ENTER button, "Sou-x" is displayed, "x" is the currently selected sound mode from "1-3", "Sou1-3" represents 3 sound modes, press the ENTER button, "SEN1-9" represents the sound sensitivity level.
2. Use the UP and DOWN buttons to adjust the sensitivity. "1" is the lowest sensitivity, "9" is the highest.

Auto Run Mode:

1. Plug the fixture in and press the MENU button to "Auto" and press the ENTER button, "Sp-xx" is displayed, "xx" is the currently selected auto speed, "Sp1-20" represents 20 auto speeds, press the ENTER button, "St1-19" represents the strobe speed, "St0" no strobe.
2. There are 20 auto speeds and 19 strobe speeds to choose from. Select your desired speed by pressing the UP and DOWN buttons.

Static Color Mode:

1. Plug the fixture in and press the MENU button to "StAt" and press the ENTER button, "CL-xx" is displayed, "xx" is the number of currently selected color.
2. There are 1-37 colors to choose from, 38 is blackout. Select your desired color by pressing the UP and DOWN buttons.

Program Mode:

In this mode you can choose show program to run. The program speed and strobe speed are adjustable.

1. Plug the fixture in and press the MENU button to "Shou" and press the ENTER button, "Sh-xx" is displayed. "xx" is the currently selected show mode, "Sh1-67" represents 67 show modes, press the ENTER button, "Sp1-20" represents the program speed, press the ENTER button, "St1-19" represents the strobe speed, "St0" no strobe,
2. There are 67 shows, 20 program speeds and 19 strobe speeds to choose from. Select your desired show and speed by pressing the UP and DOWN buttons.

DMX TRAITS: 3 CHANNEL MODE

CHANNEL	DMX VALUE	FUNCTION
CH1	0-255	ALL RED (0-100%)
CH2	0-255	ALL GREEN (0-100%)
CH3	0-255	ALL BLUE (0-100%)

DMX TRAITS: 5 CHANNEL MODE

CHANNEL	DMX VALUE	FUNCTION
CH1	0-255	Master Dimmer
CH2	0-9	No Function
	10-255	Strobe Speed (Slow->Fast)
CH3	0-255	ALL RED (0-100%)
CH4	0-255	ALL GREEN (0-100%)
CH5	0-255	ALL BLUE (0-100%)

DMX TRAITS: 8 CHANNEL MODE

CHANNEL	DMX VALUE	FUNCTION	
CH1	0-255	Master Dimmer	
CH2	0-9	No Function	
	10-255	Strobe Speed (Slow->Fast)	
CH3	0-255	ALL RED (0-100%)	
CH4	0-255	ALL GREEN (0-100%)	
CH5	0-255	ALL BLUE (0-100%)	
CH6	0-2	No Function	
	3-5	Program 1 (Use CH3-5 to control the color)	
	6-8	Program 2 (Use CH3-5 to control the color)	
	、 、 、	、 、 、	
	141-143	Program 47 (Use CH3-5 to control the color)	
	144-146	Program 48 (Preset color)	

	147-149	Program 49 (Preset color)	Built-in programs
	、 、 、	、 、 、	
	201-203	Program 67 (Preset color)	
	204-206	Program 68 (Cycle through program 1-67)	
	207-209	Sound 1 (Use CH3-5 to control the color)	
	210-212	Sound 2 (Use CH3-5 to control the color)	
	213-255	Sound 3 (Use CH3-5 to control the color)	
CH7	0-255	Program Speed (Slow->fast)	
CH8	0-255	Background color for program 1-47, sound 2 and sound 3. See the RGB Background Color Table for details	

DMX TRAITS: 90 CHANNEL MODE

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	R16	R17	R18	R19	R20	R21	R22	R23	R24	R25	R26	R27	R28	R29	R30
G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15	G16	G17	G18	G19	G20	G21	G22	G23	G24	G25	G26	G27	G28	G29	G30
B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24	B25	B26	B27	B28	B29	B30

CHANNEL	DMX VALUE	FUNCTION
CH1	0-255	R1 (0-100%)
CH2	0-255	G1 (0-100%)
CH3	0-255	B1 (0-100%)
、 、 、	、 、 、	、 、 、
CH88	0-255	R30 (0-100%)
CH89	0-255	G30 (0-100%)
CH90	0-255	B30 (0-100%)

DMX TRAITS: 94 CHANNEL MODE



CHANNEL	DMX VALUE	FUNCTION	
CH1	0-255	R1 (0-100%)	
CH2	0-255	G1 (0-100%)	
CH3	0-255	B1 (0-100%)	
`  ` `	`  ` `	`  ` `	
CH88	0-255	R30 (0-100%)	
CH89	0-255	G30 (0-100%)	
CH90	0-255	B30 (0-100%)	
CH91	0-9	No Function	
	10-255	Strobe Speed (Slow->Fast)	
CH92	0-2	No Function	
	3-5	Program 1 (Use CH1-3 to control the color)	
	6-8	Program 2 (Use CH1-3 to control the color)	
	`  ` `	`  ` `	
	141-143	Program 47 (Use CH1-3 to control the color)	
	144-146	Program 48 (Preset color)	
	147-149	Program 49 (Preset color)	
	`  ` `	`  ` `	
	201-203	Program 67 (Preset color)	
	204-206	Program 68 (Cycle through program 1-67)	
	207-209	Sound 1 (Use CH1-3 to control the color)	
	210-212	Sound 2 (Use CH1-3 to control the color)	
	213-255	Sound 3 (Use CH1-3 to control the color)	
		Built-in programs	
CH93	0-255	Program Speed (Slow->fast)	
CH94	0-255	Background color for program 1-47, sound 2 and sound 3. See the RGB Background Color Table for details	

RGB Background Color Table:

Value	Color
0-6	R:000 G:000 B:000
7-13	R: 20 G:000 B:000
14-20	R:38 G:000 B:000
21-27	R:71 G:000 B:000
28-34	R:133 G:000 B:000
35-41	R:255 G:000 B:000
42-48	R:000 G: 20 B:000
49-55	R:000 G:38 B:000
56-62	R:000 G:71 B:000
63-69	R:000 G:133 B:000
70-76	R:000 G:255 B:000
77-83	R:000 G:000 B:20
84-90	R:000 G:000 B:38
91-97	R:000 G:000 B:71
98-104	R:000 G:000 B:133
105-111	R:000 G:000 B:255
112-118	R: 20 G:20 B:000
119-125	R:38 G:38 B:000
126-132	R:71 G:71 B:000
133-139	R:133 G:133 B:000
140-146	R:255 G:255 B:000
147-153	R: 20 G:000 B:20
154-160	R:38 G:000 B:38
161-167	R:71 G:000 B:71
168-174	R:133 G:000 B:133
175-181	R:255 G:000 B:255
182-188	R:000 G: 20 B:20
189-195	R:000 G:38 B:38
196-202	R:000 G:71 B:71
203-209	R:000 G:133 B:133
210-216	R:000 G:255 B:255
217-223	R:20 G: 20 B:20
224-230	R:38 G:38 B:38

231-237	R:71 G:71 B:71
238-243	R:133 G:133 B:133
245-255	R:255 G:255 B:255

SPECIFICATIONS

Light Source:

- Power Draw: 60 Watts
- Voltage: AC110-240V, 50/60Hz
- LEDs: 30*3PCS SMD 5050 3IN1 RGB LEDs
- Beam Angle: 90°
- Operation Mode: Auto, DMX512, Sound, Master/Slave, Program Show, Static Color
- Dimmer: 0-100% Linear Dimming
- Channel: 3 / 5 / 8 / 90 / 94 CH
- Power Linking: 6 units @ 100V; 10 units @ 230V

Dimensions / Weight:

- Dimensions (L x W x H): 41.5"x4.9"x5.5" (105.5x12.5x14cm)
- Weight: 7.5lbs / 3.4kg

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.