Outdoor LED Par Can
18X10W 4 IN 1

User Instruction

Please read this manual before installing & using, and keep it for further consultation

CONTENTS

DMX 9 CHANNELS

CH	Function	Value	Description
CH1	Red Dimmer	001-255	0%-100%
CH2	Green Dimmer	001-255	0%-100%
CH3	Blue Dimmer	001-255	0%-100%
CH4	White Dimmer	001-255	0%-100%
CH5	Dimmer mode	(0-9) Set Dimmer mode via menu (10-50) Model 1 Linear Dimming (51-101) Model 2 No fade Dimming (102-152)Model3 Soft Dimming (153-203)Model 4 Linear Dimming low speed (204-255) Model 5 Soft Dimming low speed	
CH6	Master Dimmer	001-255	0%-100%
CH7	Strobe	001-255	From slow to fast
CH8	Auto Running Built in program	000	No function
		10—50	Color jump
		51—100	Color gradual
		101—150	Color pulse
		151—200	Color jump+gradual+pulse
		201—255	Sound control
	(Can change the auto run effect via CH7 dimmer mode)		
CH9	Speed	0-255 From slow to fast	

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

Unpacking: Thank you for purchasing our products. Every unit 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 appears to be damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit has arrived intact. In the case damage has been found or parts are missing, save the carton and all packing materials. In the event a fixture must be returned to the factory. It is important that the fixture be returned in the original factory box and packing.

Introduction: The unit is a DMX intelligent LED stage light. This unit can be used in a stand alone mode or connected in a Master/Slave configuration. The unit can also be controlled via DMX controller. It has four operating modes: Sound Active mode, stand alone mode, Master/Slave and DMX control mode.

AC Power: This fixture has an auto-switching power supply that can accommodate a wide range of input voltages. The only thing necessary to do before powering on the unit is to make sure the line voltage you are applying is within the range of accepted voltages. This fixture will accommodate between 90V and 240V AC. All fixtures must be powered directly off a switched circuit and cannot be run off a rheostat (variable resistor) or dimmer circuit. Even if the rheostat or dimmer channel is used solely for a 0-100% switch.

Safety Instructions:

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

- To reduce the risk of electrical shock or fire, do not expose this unit rain or moisture
- Do not spill water or other liquids into or on to your unit.
- Be sure that the local power outlet match that of the required voltage for your unit.
- Do not attempt to operate this unit if the power cord has been frayed or broken. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- Disconnect from main power before making any type of connection.

• Do not remove the cover under any conditions. There are no user serviceable parts inside.
• Never operate this unit when it's cover is removed.
• Never plug this unit in to a dimmer pack
•Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.
• Do not attempt to operate this unit, if it becomes damaged.
• This unit is intended for indoor use only, use of this product out` doors voids all warranties.
• During long periods of non-use, disconnect the unit's main power.
• Always mount this unit in safe and stable matter.
• Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the point they exit from the unit.
• Cleaning -The fixture should be cleaned only as recommended by the manufacturer. See page 3 for cleaning details.
• Heat -The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
• The fixture should be serviced by qualified service personnel when:
A. The power-supply cord or the plug has been damaged.
B. Objects have fallen, or liquid has been spilled into the appliance.
C. The appliance has been exposed to rain or water.
D. The appliance does not appear to operate normally or exhibits a marked change in performance.

Warning! To prevent or reduce the rist of electrical shock or fire, do not expose this unit to rain or moisture.

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your manufacturers warranty. In the unlikely event your unit may require service please contact us.

Cleaning: Due to fog residue, smoke, and dust cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
2. Clean the external optics with glass cleaner and a soft cloth every 20 days.
3. Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew).

Master-Slave Connections and Settings:

1. Daisy chain your units via the XLR connector on the rear of the unit. Use standard XLR microphone cables to link your units to-gether. Remember that the Male XLR connector is the input and the Female XLR connector is the output. The first unit in the chain (master) will use the female XLR connector only. The last unit in the chain will use the male XLR connector only.
2. Using the Master unit, choose your desired mode or program and connect the "Slave" unit or units.
3. Set all units as **d001 or d .001** , then press **ENTER**, and choose only one as master, and others are slave

DMX MODE:

Operating through a DMX controller give the user the freedom to create their own programs tailored to their own individual needs.

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, plug in the fixture via the XLR
3. Set all units as **d 001(5CH)** or **d.001 (9CH)** , and then press **UP** or **DOWN** buttons to adjust the DMX address and press E**NTER**, and you can control them with DMX controller. The channels value refers to the following channel summary.

LED PAR CAN DMX Channels Summary

DMX 5 CHANNELS

CH	Function	Value	Description
CH1	Red Dimmer	001-255	0%-100%
CH2	Green Dimmer	001-255	0%-100%
CH3	Blue Dimmer	001-255	0%-100%
CH4	White Dimmer	001-255	0%-100%
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(Diagram II)

1	d 001	5CH Mode, DMX Address, by B or C button（001—511）
2	d.001	9CH Mode, DMX Address, by B or C button（001—511）
3	CC.01	Color Cycle, speed by B or C button(000-255)
4	CP.01	Color Gradual, speed by B or C button(000-255)
5	dE.01	Color Pulse, speed by B or C button(000-255)
6	dENo	Color Cycle,Gradual&Pulse, Speed by B or C button(000-255)
7	bEbE	
8	R255	Red dimmer by B or C button(000-255)
9	G255	Green dimmer by B or C button(000-255)
10	B255	Blue dimmer by B or C button(000-255)
11	W255	White dimmer by B or C button(000-255)
12	dr01	Dimmer mode selection (1-5)

Program Mode:

In Program Mode you can pick your desired factory installed program; static color, color show, color fade, or color cycle. You can control the speed of the color shows, color fade, and color cycle.

1. Plug the fixture in and press the **MENU** button till **CC.01** display, you are now in built in program Color Cycle mode. Press **UP** and **DOWN** to adjust the speed. Press ENTER to confirm it.
2. Plug the fixture in and press the **MENU** button till **CP.01** display, you are now in built in program Color Change slow mode. Press **UP** and **DOWN** to adjust the speed. Press ENTER to confirm it.
3. Plug the fixture in and press the **MENU** button till **dENo** display, you are now in built in program Color marco mode. Press **UP** and **DOWN** to adjust the speed. Press ENTER to confirm it.

Master-Slave Operation:

This function will allows you to link units together to run in a Master-Slave mode. In Master-Slave operation one unit will act as the controlling unit and the others will react to the controlling units built-in programs. Any unit can act as a Master or as a Slave however, only one unit can be programmed to act as the “Master.”

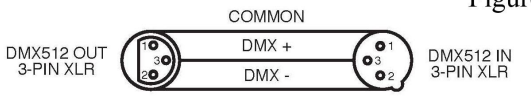
LED PAR CAN Features

- Multi-voltage: 100-240VAC, 50/60Hz
- 18PCS 10W RGBW 4 IN 1 LEDs
- Smooth RGBW Color Mixing
- Color Strobe, color Macro
- Electronic Dimmer 0-100%
- Operational modes: DMX512, Master-Slave, Stand-Alone
- DMX-512 protocol
- 5 or 9DMX Channel
- 3 pin XLR data input & output
- Silent operation,
- Flicker free - ready for TV / Video use
- Mounting bracket designed for floor, wall or truss mount
- Great for performance stages where traditional PAR cans emit a lot of heat onto performers

LED PAR CAN Set Up

Notice: Be sure to follow figures two and three when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the cable’s shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR’s outer casing. Grounding the shield could cause a short circuit and erratic behavior.

Figure 1



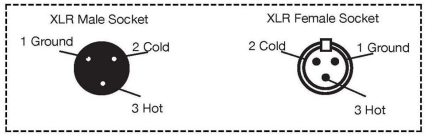


Figure 2

Figure 3

XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Data Compliment(negative)
Pin 3 = Data True(positive)

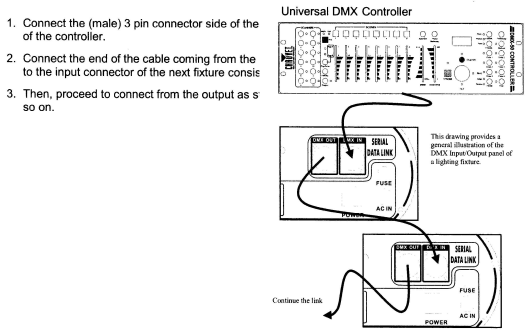
3-Pin to 5-Pin Conversion Chart:

Note! 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

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		Do not use
Not Used		Do not use

Setting up a DMX Serial Data Link:



Master/Slave Fixture Linking:

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

Operating Modes:

You can use the unit in either a stand alone mode or a master/slave configuration, there are 3 modes to choose from:

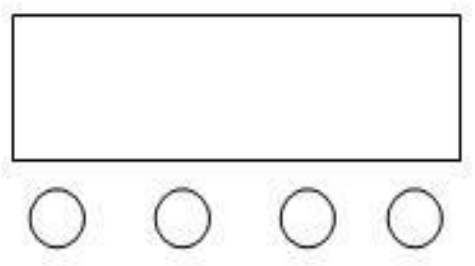
• Program Mode - Choose a static color, Color Macro, color strobe. The speed of the show is adjustable.

• Master/Slave Mode- Using the Master unit, choose your desired mode or program and connect the “Slave” unit or units, All slaves will now follow the”Master” unit. But only one master.

• DMX control mode - This function will allow you to control each individual fixtures traits with a standard DMX 512 controller

Product overview:

(Diagram I)



MENU UP DOWN ENTER

Button	Function
A<MENU>	Used to access the mode or to return to a previous mode option
B<UP>	Change the value of DMX address or speed in ascending order
C<DOWN>	Change the value of DMX address or speed in descending order
D<ENTER>	Confirm the function you choose

Press **MENU** button, there will be eight different effects.

The first letter stands for functions,refer to the following **Diagram II**

The last threeletters stands for DMX address, brightness or speed.

You can modify it with **UP** or **DOWN** button. And press **ENTER** button for confirmation.