User Manual

POWER SHINE 14QX   14x30W RGB

CE RoHS LED [icon] [icon] [icon] AUTO
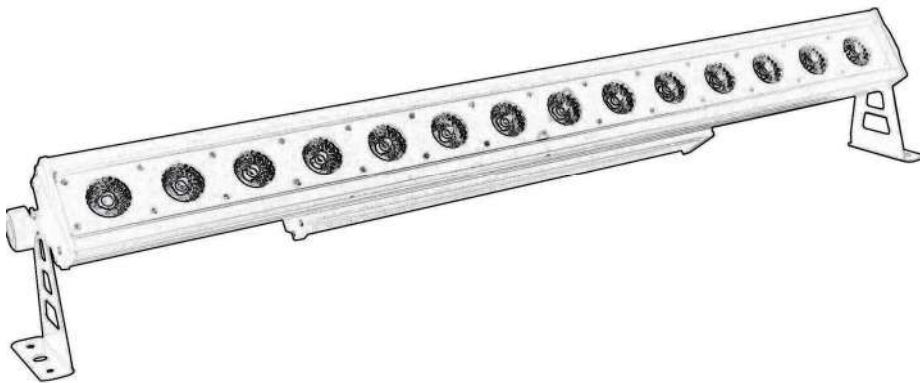
This product manual contains important information about the safe installation and use of this projector.

Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

CONTENTS

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 wall wash light. This light can be used in a stand alone mode or connected in a Master/Slave configuration. The unit can also be controlled via DMX controller. This light has three operating modes: 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 100V 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 volt-age 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 its 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 outdoor and indoor use, Don't dip the products into the water. IP 65 rating.
• 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.

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your manufacturer 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.

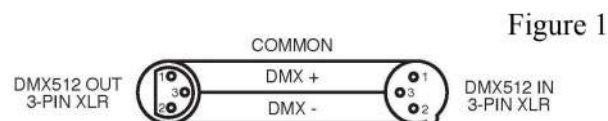3. Always be sure to dry all parts completely before plugging the unit back in.

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

LED WALL WASH LIGHT   Features

Multi-voltage: AC100-240V, 50/60Hz

Power Consumption: 400 watts

Light source: 14pcs 30W 3 in 1 LEDs

Beam angle: 40 degree lens

IP 65 outdoor rated, Die cast case LED Wall Washer

Low noise operation, convection cooled

Long Life LED (rated at 50, 000 Hours)

Operational modes: DMX512, Master-Slave, Stand-Alone, DMX-512 Protocol

8/19/42 DMX Channel Modes

3 pin XLR data input & output

Electronic Dimming: 0 - 100%

Linear RGBW color mixing allows for infinite color possibilities

Flicker free - ready for TV / Video use

LED display with easy to use function keys

Color strobe effect

Low power consumption

Very low heat output

Run all night

Mounting bracket designed for floor, wall or truss mount

N. W: 10KG   G. W.: 12KG

Dimensions (LxWxH): 1000x110x170MM

LED WALL WASH LIGHT   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.
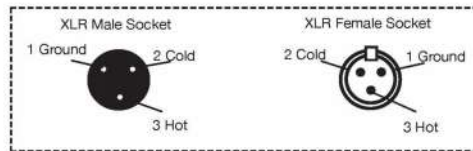

Figure 1

DMX512 OUT 3-PIN XLR — COMMON — DMX + — DMX - — DMX512 IN 3-PIN XLR

Figure 2

Figure 3

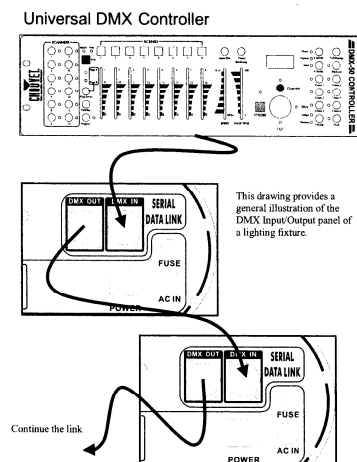| XLR Pin Configuration |
|---|
| Pin 1 = Ground |
| Pin 2 = Data Compliment(negative) |
| Pin 3 = Data True(positive) |

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:

1. Connect the (male) 3 pin connector side of the of the controller.
2. Connect the end of the cable coming from the to the input connector of the next fixture consis
3. Then, proceed to connect from the output as s so on.

This drawing provides a general illustration of the DMX Input/Output panel of a lighting fixture.

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.
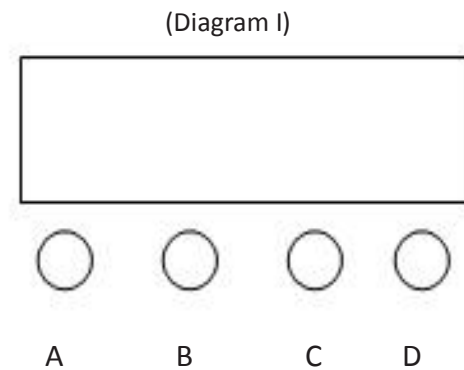
Operating Modes:

You can use the unit in either a stand alone mode or a master/slave configuration, there are 2 modes to choose from:
• Program Mode - Choose a static color, color show, color fade show, or color cycle. The speed of the show is adjustable.

You can also have the unit strobe in this mode.

• 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)

A   B   C   D

Button		Function
<MENU>	A	Used to access the mode or to return to a previous mode option
<UP>	B	Change the value of function you choosing in ascending order
<DOWN>	C	Change the value of function you choosing in descending order
<ENTER>	D	locate the function of which you want to change the value

Press the Menu button, you can browse all the function, such as AUTO RUN, DMX MODE, SLAVE MODE, SOUND.
While the function you want, for example, if DMX MODE, the ADDR & MODE can be adjusted. You can press Menu button to catch them, if Menu MODE, it has 23 models, press UP & DOWN to locate it.

Program Mode & Sound Mode:

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

1. Plug the fixture in and press the FN button till **d001** display, you are now in program model. Press UP and DOWN to find your desired effect.display, and press FN button to enter the DMX address and DMX mode selection, and then press **UP** or **DOWN** buttons to adjust the DMX address and DMX mode. The channels value refers to the following channel summary.

LED WALL WASHER LIGHT   **DMX Channels Summary**

1．HOW TO OPERATE?

Press **A** button, there will be nine different modes.

The first two letters stands for functions (refer to Diagram II)

The last two letters stands for DMX address or speed. You can modify it with **B** or **C** button. And press **D** button for confirmation.

2. KEY AND DISPLAY FUNCTIONS

2.1. Key instruction

MENU： Table1 function loops add；
UP：   function value add；
DOWN：   function value decrease；
ENTER： save the setting；

2.2. Display instruction

No.	Show	Function
1	CH6/CH9/CH33/CH61	4 modes
2	d001	DMX Address，**Press twice Enter to confirm**
3	r255	Red Dimming, From dark to light
4	G255	Green Dimming, From dark to light
5	b255	Blue Dimming, From dark to light
6	H255	Strobe, From dark to light Strobe,Speed from slow to fast
7	Pr01	Built-in Program
8	Ld01/Ld02	Dimming modes, Ld01 fast dimmer, Ld02 smooth dimmer
9	SP01	Speed of Built-in Program
10	AUTO/Audi	Auto run and Sound control
11	DISP	Convert Led display

2.3 、DMX512 Configuration

8 Channels Mode:

Channel	DMX Value	Function
CH1	000-255	RGB Total Dimming, From dark to light
CH2	000-255	Strobe , from slow to fast
CH3	000-255	Red Dimming, From dark to light
CH4	000-255	Green Dimming, From dark to light
CH5	000-255	Blue Dimming, From dark to light
CH6	000-255	Color mixing
CH7	000-255	0-15 Enable CH1-CH7, 16-255 Built-in Program
CH8	000-255	Speed of Built-in Program, from fast to slow

19 Channels Mode:

Channel	DMX Value	Function
CH1	000-255	RGB Total Dimming, From dark to light
CH2	000-255	Strobe , from slow to fast
CH3	0-25	Open
	26−35	Built-in programe 1
	36-45	Built-in programe 2
	46-55	Built-in programe 3
	56-65	Built-in programe 3
	66-75	Built-in programe 4
	76-85	Built-in programe 5
	86-95	Built-in programe 6
	96-105	Built-in programe 7
	106-115	Built-in programe 8
	116-125	Built-in programe 9
	126-135	Built-in programe 10
	136-145	Built-in programe 11
	146-155	Built-in programe 12
	156-165	Built-in programe 13
	166-175	Built-in programe 14
	176-185	Built-in programe 15
	186-195	Built-in programe 16
	196-205	Built-in programe 17
	206-215	Built-in programe 18
	216-225	Built-in programe 19
	226-235	Built-in programe 20
	236-245	Built-in programe 21
	246-255	Sound control
CH4	0-127	Left Macro direction
	128-255	Right Macro direction
CH5	0-255	Macro speed
CH6	0-255	LED1 dimming
CH7	0-255	LED2 dimming
CH8	0-255	LED3 dimming
CH9	0-255	LED4 dimming
CH10	0-255	LED5 dimming
CH11	0-255	LED6 dimming
CH12	0-255	LED7 dimming
CH13	0-255	LED8 dimming
CH14	0-255	LED9 dimming
CH15	0-255	LED10 dimming
CH16	0-255	LED11 dimming
CH17	0-255	LED12 dimming
CH18	0-255	LED13 dimming
CH19	0-255	LED14 dimming

42 Channels Mode:

Channel	DMX Value	Function
CH1	000-255	1# Red Dimming, From dark to light

CH2	000-255	1# Green Dimming, From dark to light
CH3	000-255	1# Blue Dimming, From dark to light
CH4	000-255	2# Red Dimming, From dark to light
CH5	000-255	2# Green Dimming, From dark to light
CH6	000-255	2# Blue Dimming, From dark to light
CH7	000-255	3# Red Dimming, From dark to light
CH8	000-255	3# Green Dimming, From dark to light
CH9	000-255	3# Blue Dimming, From dark to light
CH10	000-255	4# Red Dimming, From dark to light
CH11	000-255	4# Green Dimming, From dark to light
CH12	000-255	4# Blue Dimming, From dark to light
CH13	000-255	5# Red Dimming, From dark to light
CH14	000-255	5# Green Dimming, From dark to light
CH15	000-255	5# Blue Dimming, From dark to light
CH16	000-255	6# Red Dimming, From dark to light
CH17	000-255	6# Green Dimming, From dark to light
CH18	000-255	6# Blue Dimming, From dark to light
CH19	000-255	7# Red Dimming, From dark to light
CH20	000-255	7# Green Dimming, From dark to light
CH21	000-255	7# Blue Dimming, From dark to light
CH22	000-255	8# Red Dimming, From dark to light
CH23	000-255	8# Green Dimming, From dark to light
CH24	000-255	8# Blue Dimming, From dark to light
CH25	000-255	9# Red Dimming, From dark to light
CH26	000-255	9# Green Dimming, From dark to light
CH27	000-255	9# Blue Dimming, From dark to light
CH28	000-255	10# Red Dimming, From dark to light
CH29	000-255	10# Green Dimming, From dark to light
CH30	000-255	10# Blue Dimming, From dark to light
CH31	000-255	11# Red Dimming, From dark to light
CH32	000-255	11# Green Dimming, From dark to light
CH33	000-255	11# Blue Dimming, From dark to light
CH34	000-255	12# Red Dimming, From dark to light
CH35	000-255	12# Green Dimming, From dark to light
CH36	000-255	12# Blue Dimming, From dark to light
CH37	000-255	13# Red Dimming, From dark to light
CH38	000-255	13# Green Dimming, From dark to light
CH39	000-255	13# Blue Dimming, From dark to light
CH40	000-255	14# Red Dimming, From dark to light
CH41	000-255	14# Green Dimming, From dark to light
CH42	000-255	14# Blue Dimming, From dark to light