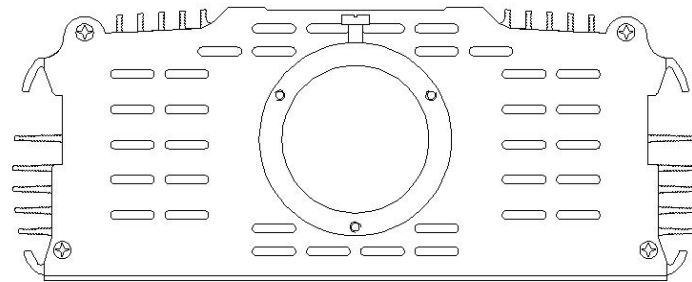
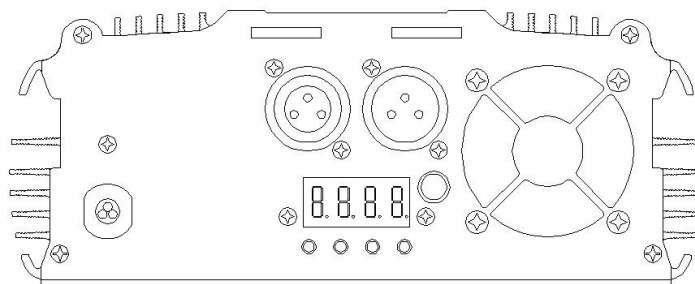


LED—DMX Series Light source Manual

(LED-45/75/100)



Front side



Back side

Brief Introduction

Welcome to use LED-DMX series light source, which adopt advanced micro-electronics control technology, controlling lighting by converting international popular DMX512 standard digital control signal into analogue control signal; RGB light source have 7 channels, each light source have 7 codes. RGBW light source have 8 channels, each light source have 8 codes. Each channel can make 256 control levels, Mainly use DMX console to control light source

1, Performance Parameter:

Input power	AC 100-120V or AC 220-240V 50/60HZ
Output intensity	256 steps
Signal input	DMX512
DMX512 socket	Standard XLR-3 Caron plug
Occupied site code	RGB light source has 7 channels (1,8,15,22,29.....) RGBW light source has 8 channels (1,9,17,25,33.....)
Product size	L200*W197*H78MM (45W) L275*W197*H78MM (75W, 100W)

2, Basic function

- 1、 International standard DMX512 input agreement, site code is set up by Digital display;
- 2、 Dimming output is from 0 to 100%, in total 256 grades of intensity.
- 3、 When remote control, the light source device comes with 5 test modes, 19 level change speed.
- 4、 The shell of light engine is made of aluminum alloy, which has a good heat radiation to guarantee LED life much longer.
- 5、 The engine with 75W、 100W have heat resistance, when the shell's temperature is over 50 degree, then its system will be power off automatically, meanwhile, its fan will work for heat extraction.

3, Usage

basic usage






















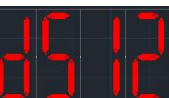


MENU Main menu switch/exit submenu
 UP parameter adjustment
 DOWN parameter adjustment
 ENTER Confirm/save/enter the submenu

Power on and then press MANU to choose content of main menu, press UP or DOWN to adjust parameter, at last, press ENTER to confirm.

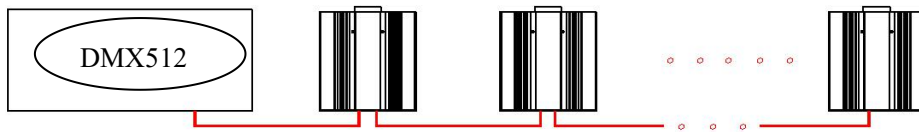
Channel table (controlled mode)

Channel NO.	numerical range	functional specification
1	0~255	light-dimmer and blackout fuction : When "light dimmer "channel is 0 ,program continue but there is no light output, call it software BLACKOUT "button and "hardware blackout "difference only effect on this Pcs(zone) of light and can't clear data of console.
2	0~255	RED
3	0~255	GREEN
4	0~255	BLUE
5	0~255	WIHTE
6	0~5	NONE
	6~255	strobe : 6 LOWEST · 255 FAST
7	0~25	Start"Controller delay"
	26~50	Close"Controller delay"
	51~100	Choose color : Channel 8 to choose color
	101~150	breathe : Channel 8 to choose color
	151~200	jumping : Channel 8 to choose color
	201~250	Gradual change : Channel 8 to choose color
	251~255	Voice control: the pace of light changes depends on their MIC (can't guarante synchronization)
8	0~255	The function of this channel depend one value of channel 7 : When channel 7 is in 51~100 this chandelier will use to choose color(refer to table of color) when channel 7 is in 101~250(breathe ,jumping change ,gradual change)this channe will use to control speed : 0 lowest · 255 fast

function table (Master-slave mode)

Image		Mode of light	Meaning of number	supplementary instruction
		Jumping change	1 lowest · 20 fast	Press button to change value
		Breathing change	1 lowest · 20 fast	
		Continuous gradual change)	1 lowest · 20 fast	
		Interval gradual change	1 lowest · 20 fast	
		Voice control	0 Min sensitivity · 19 Max sensitivity	
		Red light brightness	0 the lowest of brightness · 255 The highest brightness	The color is cumulative adjustment, use this function to choose specific color (RGB can't adjust white)
		Green light brightness	0 the lowest of brightness · 255 The highest brightness	
		Blue light brightness	0 the lowest of brightness · 255 The highest brightness	
		White light brightness	0 the lowest of brightness · 255 The highest brightness	
		strobe	0 The lowest frequency · 255 The highest frequency	Use custom color.
		DMX console state	1 · only one signal source (one console or one master) 2 · Disconnect signal source (for example power off console or main light source) light will be automatic off.	Refer to “channel table
		Remote control receiving state	Yes start remote control; no stop remote control	One set of device can use only one remote control

5, control system connection



6, Attention of Installation and usage

- 1, This series of light source only can use the power supply mentioned in the manual, otherwise, it will damage the light source.
- 2, If make the connection of multi light sources, please use 2*0.5 wire with screening one by one to form a network.
- 3, Please check the connected wire at regularly , and change ageing, rustiness , as well as which insulated cover has been damaged.
- 4, The working surrounding of light source should be ventilated, dry, non-corrosion , non combustible gas and without any smoke in the place.
- 5, When signal wire of all light source are connected well, then switch on the current to work, avoiding to pull out signal wire with working current.



PIN1: GND
PIN2: SIGNAL-
PIN3: SIGNAL+

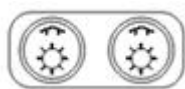
7, usage of wireless remote control

In master-slave mode, can use remote control to control master

Menu show “ U no ” , device can't receive command of remote control;

Menu show “ UYES” , device can receive command of remote control.

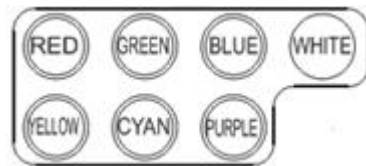
Notes: When a set of devices is connected to the DMX512 control console, the device can't receive the command of the remote control. When the DMX512 console is turned off (power off), the "UYES" device has been set up to receive commands from the remote control, and the device is master and controls the synchronization of other devices.



When it's self-changing, control speed; when voice control, adjust the sensitivity of sound



Power off/on



Single color button



RGBW:16 colors jumping change

RGB: 7 colors jumping change



RGBW:16 colors breathing change

RGB: 7 colors breathing change



RGBW:16 colors continuous gradual change

RGB: 7 colors continuous gradual change



RGBW:16 colors Interval gradual change

RGB: 7 colors Interval gradual change



RGBW:16 colors voice control

RGB: 7 colors voice control