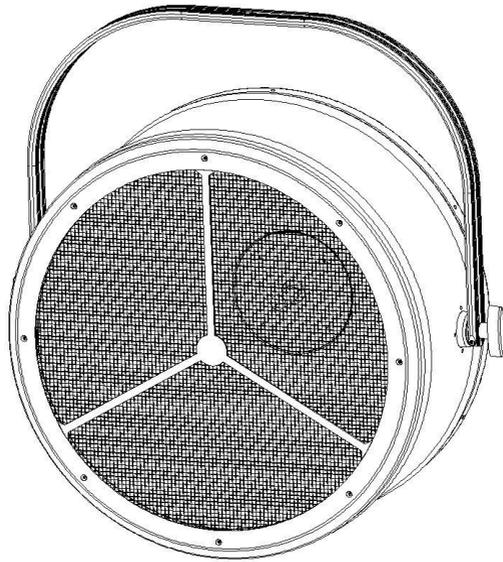




FOS Retro

User Manual



Please read this manual carefully before installing and using this equipment.
Save it for future reference

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Summarize

Thank you for choosing our company's products. Please read this manual thoroughly and carefully, so that you can use it for reference. This manual contains important information on the installation and use of high power LED light. Please strictly follow these instructions when installing and using.

This lamp is beautiful in appearance, highly efficient and energy-saving, durable and suitable for indoor use. The products fully comply with the international standard DMX512 agreement, which can be controlled by a single unit, or can be used in conjunction with each other. It is suitable for large-scale theatrical performances, theaters, studios, and other places.

When receiving the product, please check whether the product is damaged due to transportation and check the following accessories: Power input conversion line

----- 1 pcs

DMX input conversion line ----- 1 pcs

DMX output conversion line ----- 1 pcs

User manual----- 1 PCS

Main performance

OLED display with power indication, signal indication.

1piece of 750W Halogen light bulb, 32pcs RGB LEDs

LED controlled strobe, color wheel, and self-propelled effects.

4 / 6 / 9channels for choice.

Over-temperature automatic protection.

Super halogen brightness can be adjusted.

Innovative grayscale adjustment technology makes dimming changes smoother.

Safety instructions

All personnel involved in the installation and maintenance of this equipment must understand:

- (1) Qualified as an Electronic Technician.
- (2) The lamp can't be shipped unless it passes the strict inspection before leaving the factory. In order to ensure the normal and safe operation of these conditions, the user must comply with the following safety regulations and precautions in this manual.
- (3) Key point: The manufacturer will not be responsible for any accidents and losses caused by unauthorized changes to the equipment without following the normal operation of this manual and without permission.

Equipment Installation and Maintenance Note:

Pay particular attention to whether the power supply voltage is consistent with the voltage marked by the host, and ensure that the voltage used is within the voltage range identified by the technical parameters.

Make sure the lamp is well grounded.

When moving or installing, take care to avoid metal hard objects hitting the lamp body.

If you do not use the lamp for a long time, disconnect the power.

Make sure the power cord is not curled or scratched by sharp objects. Always check the equipment and power cord. If the external cord of this lighting equipment is damaged, the cord must be replaced by the manufacturer or its service agent or a qualified person to avoid danger.

Do not use the lighting equipment during lightning storms and disconnect the power supply. High voltage will destroy the lighting equipment.

The maximum ambient temperature (T_a) is 40°C.

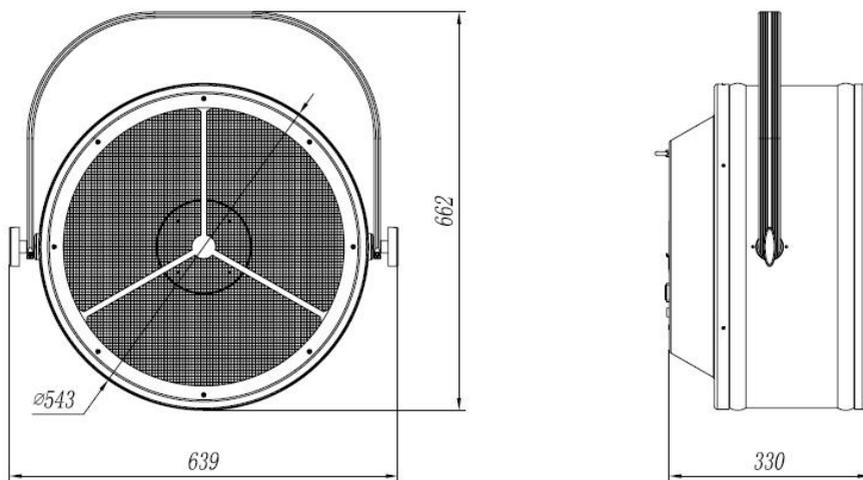
After the lamp is stable, the surface temperature of the lamp is 60°C.

Don't look directly at the light source, because sensitive people can cause epilepsy (especially for people with epilepsy).

In the range of 1m from the front of the lighting equipment, no objects are allowed to be shielded. Combustible items (such as cloth, wood, paper, etc.) are not allowed within a range of 0.5m around the lighting equipment.

When the lighting equipment is hung above the ground, it must be verified that it can withstand the weight of the device that is suspended 10 times. Ensure that the external protection, ropes, and hardware are secure, and then use one or more protective measures, such as an insurance rope. In the process of moving the lamp, it is not allowed to directly hold the cord and can only be moved by the handle.

Dimensions



CONTROL PANEL

Button

SET	Callout the main menu, or exit the current menu (that is, return to the previous menu and give up options or parameters)
UP	
DOWN	Upwards browse menu item or parameter increment
ENTER	Browse down menu items or decrement parameters Confirm selections or parameters (ie go to the next menu, or exit the current menu and save the selection or parameters)

Display

OLED display signal indication information in the upper left corner, the function is as follows:

- 1、No sign—No external control signal access
- 2、DMX OK—External DMX512 signal access
- 3、Sla OK—Slave signal access
- 4、Master—Master mode

Common settings

Manual control

Display the xxx page of large font address code,

Press ENTER to enter Main Menu,

Press the UP or DOWN key to press MANUAL (manual dimmer).

Press ENTER to enter the adjustment menu ,

Press UP or DOWN to browse the following menus (7 total):

LAMP	Halogen dimming
RED	red LED dimming
GREEN	green LED dimming
BLUE	blue LED dimming
STROB	LED strobe
SPEED	LED Built-in program self-propelled speed adjustment
MACRO	LED Built-in program self-propelled, the highest priority, greater than 9 effective, each 5 number to switch an effect

If you want to adjust one of the options, press ENTER to enter, then press UP or DOWN to set the parameters and press ENTER to confirm.

Static color

The xxx page of the large font address code is displayed on the boot.

Press ENTER to enter Main Menu,

Press UP or DOWN to find DEMO_RUN,

Press ENTER to confirm entry, browse through the menu below

Press ENTER to confirm the selected color. At this time, the lighting equipment will play static color light

RED	(red)
GEN	(green)
BLU	(blue)
YEL	(yellow)
CYN	(cyan)
PUR	(purple)
AWHI	(mixed white)
3200	(3200K white)
5600	(5600K white)
6500	(6500K white)
8500	(8500K white)
1000	(1000K white)

CHCL (Color change program)
STOB (strobe program)
FADE (fade program)

Slave setting

In slave mode, the lighting equipment is not controlled by any signal and the slave operates. The slave mode setting method is as follows:

Enter SETTING (Setup menu)
Press UP or DOWN to find MasSla
Press ENTER to enter
Press UP or DOWN to find Slav
Press ENTER to confirm

Master setting method:

Enter SETTING (Setup menu)
Press UP or DOWN to find MasSla
Press ENTER to enter
Press UP or DOWN to find Mast (master)
Press ENTER to confirm

Note: Set up the master slave

One of the Lighting equipment is set as the master and the other is the slave (DMX mode). Then all the lights are synchronized with the master. Note that there can only be one host.

Setting DMX address

In DMX mode, the lighting equipment receives the control signal through the address. The address of the first channel of the lighting equipment is called the start address. If there are 3 channels for a fixture and the start address is set to 1, then the channel occupied by this lamp has 1, 2, and 3 channels. If you want to add another lighting equipment, the starting address can be set to 4, and the occupied channels have 4, 5, and 6 channels. And so on. If different fixtures are assigned the same address, then the different fixtures receive the same control signal. If you want to control each lighting equipment individually, you need to allocate the unoccupied start address of 1-512 to the lighting equipment (also ensure that the rear channel of the lighting equipment is unoccupied), and record it for later inquiry.

4 / 6 / 9 Channel mode selection

Enter DMX512 (DMX menu)

Press UP or DOWN to find ChMo and enter,

Press the UP or DOWN button to select the number of channel modes (4CH/6CH/9CH) and confirm with ENTER.

Set the running status when the DMX signal is not received in the DMX mode

Enter the DMX512 menu and press ENTER,

Then press UP or DOWN to find Sign

Press ENTER to enter

Press UP or DOWN to select Stop / Hold (hold the last received signal, default)

Select the option you want to press ENTER to confirm, or press ESC to cancel the setting and return.

DMX channel function

A total of 3 modes, the default is 9-channel mode, can enter the DMX512 menu to change

4 Channel definition: LAMP+HSV

Channel	value	function
CH1:	000-255	Halogen dimming 0~100%
CH2	000-255	LED chromaticity (H)
CH3	000-255	LED Saturability (S)
CH4	000-255	LED purity (V)

6 channel definition:

Channel	value	function
CH1:	000-255	Halogen dimming 0~100%
CH2	000-255	Red LED dimming 0~100%
CH3	000-255	Green LED dimming 0~100%
CH4	000-255	Blue LED dimming 0~100%
CH5	000-255	macrospeed
CH6	000-255	Macro run effect selection

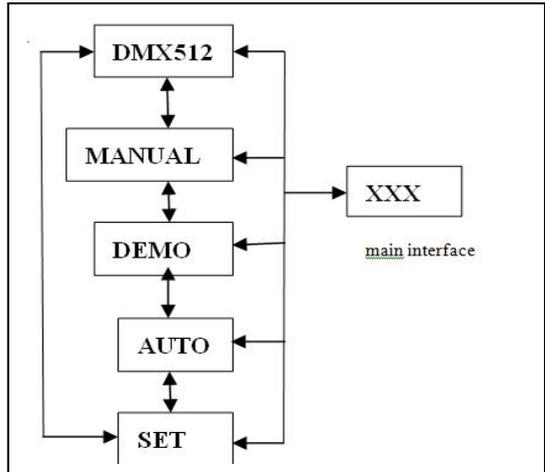
9 channel definition (default) :

Channel	value	function
CH1	000-255	dimming 0~100%
CH2	000-005	strobe no strobe
	006-064	strobe 1(fast-slow)
	065-069	no strobe
	070-084	strobe 2: Fast-forward and slow-out (faster to slower)
	085-089	no strobe
	090-104	no strobe
	105-109	strobe 3: Slow forward (faster to slower)
	110-124	no strobe
	125-129	strobe 4: Random strobe (faster to slower)
	130-144	no strobe
	145-149	strobe 5: Randomly fast forward (slow to fast)
	150-164	no strobe
	165-169	strobe 6: Randomly go in and out slowly (faster to slower)
	170-184	no strobe
	185-189	no strobe
	190-204	strobe 7: Pulse strobe (faster to slower)
205-255	no strobe strobe 8: Random Pulse Strobe (faster to slower) no strobe	
CH3	000-255	Halogen dimming 0~100%
CH4	000-255	Red LED dimming 0~100%
CH5	000-255	Green LED dimming 0~100%
CH6	000-255	Blue LED dimming 0~100%
CH7	000-255	Macro speed setting
CH8	000-255	Macro effect selection
CH9	000-255	Color wheel

.Menu

Menu navigation

- 1、DMX512 menu
(dmx mode)
- 2、Manually adjust the menu
(Manual mode)
- 3、Manually adjust the menu
(Manual mode)
- 4、Self-propelled menu
(self-propelled mode)
- 5、setting menu
(System Settings)



1.DMX512 menu

Main menu	Item	Options	remark
DMX512 DMX menu	ADDR Set the address code	value: 1-512	Defaults: 1
	ChMo Channel mode selection	4CH	4 channel mode
		6CH	6 channel mode
		9CH (Default)	9 channel mode
	Sign Operation without DMX signal	STOP Stop running	
HOLD Keep the last signal received			(Default)

2. Manual dimming menu

Main menu	item	Options	remark
MANUAL	LAMP	000-255	Halogen dimming 0~100%
	RED	000-255	Red LED dimming 0~100%
	GREEN	000-255	Green LED dimming 0~100%
	BLUE	000-255	Blue LED dimming 0~100%
	STROB	000-255	LED strobe
	SPEED	000-255	Macro speed setting
	MACRO	000-255	Macro effect selection

3. DEMO_RUN Demo mode menu

item	Options	remark
DEMO	RED	red
	GEN	green
	BLU	blue
	YEL	yellow
	CYN	cyan
	PUR	purple
	AWHI	Mixed white
	3200	3200 K
	5600	5600 K
	6500	6500 K
	8500	8500 K
	1000	10000 K
	CHCL	Change color
STOB	strobe	
FADE	fade	

4. Auto-run program menu

Main menu	item	option	remark
AUTO_ RUN	SPEEDuto-run speedauto-run speed	1~50	1~50
	PROJ Effect selection	1~50	46-50 same effect

5. Setting menu

Main menu	Submenu	Submenu	Submenu
SETTIN G	Reload Data overload	Yes	Reload
		No	Don't reload
	MasSla Master/slave setting	Mast	Master mode (Slave presses DMX mode to run synchronously with the master. Note that only one master can be set. The master will exit master mode when it reaches DMX mode)
		Slav	SLAVE Mode
	Tempra Temperature control switch settings, ultra-high	TemEn Temperature switch enable	ON
			OFF
	CapT	Get LED board real-time	

	temperature reduce output.	Temperature capture	temperature
		SetT Temperature setting	0-125℃, Default 60℃
	BackLi	15s (Default)	15s without information after the operation of the screen
		on	Screen on
	Rotate	0°	normal display
		180°	Reverse display
LampCal	-128~127	Lamp calibration (Use caution!)	
	SofVer		Software version information query

Technical Parameters

Voltage: AC 100 or AC 240V, 50/60HZ

Power: 700W

Lamp: Halogen 750W Lamp

LED 96pcs 3in1 RGB LEDs

LED life: 50000h

Channels: 4 / 6 / 9 channels option

Agreement: DMX-512

Control mode: DMX512 ; master/slave

Materials: Aluminum alloy

IP rate: IP20

Dimension: 639*330*661 mm

N.W.: 7.5kg