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FOS technologies

USER MANUAL

INTRODUCTION

Thank you for having chosen our LED lighting
Unpack the device, inside the box you should find:
The fixture device
One power cable
One XLR connection cable
This manual
Please check carefully that there is no damage caused by transportation. Should there be any problems, consult your dealer and don't install this device.

DESCRIPTION

Technical Parameters

- Light source：21*12W RGBAWL LED
  Perfect Tungsten effect.
- CCT ： Easy CCT&DIM Setting By Knobs/DMX
  1500K-15000K CRI 95
- Life time：More than 20,000 hours for the LED light source
- Peak Output：15000LM
- Beam angle：24 degrees and up to 60 degrees with the magnetic frost , magnetic barndoor included
- DMX mode：1/2/4/10/12Channel Modes
- Dimmer：16 bit dimmer,linear dimming without color shift
- Operating mode：DMX Mode/Master-Slave mode
- Strobe：Sharp and powerful strobe
- Power：AC 100-240V 50/60Hz,150W
- Cooling：Diecasting heatsink with fans Control
- Over heat protect With temperature sensor to extend the lamp's life
- LED scan rate ： 1.1k/2.2k/11k/37k Hz
- NW 3.5KG Size: 272*135*244mm
- Waterproof rating ： IP65

SAFETY INSTRUCTIONS

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety

instructions and warning notes written in this user manual.
This device falls under protection-class I. Therefore it is essential that the device should be earthed.
The electric connection must carry out by qualified person.
If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges.
If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

Never look directly into the light source, as sensitive persons may suffer an epileptic shock.

Important:
Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

DMX-512 control connection

The product has a DMX 512 input fitted with 3-pin XLR connectors. Screened cables in compliance with EIA RS-485 specifications and the following characteristics must be used for connections:
- 2 conductors plus screen
- 120Ohm impedance
- low capacitance
- max. transmission rate 250kBaud.

DMX-512 connection with DMX terminator

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 OHM resistor connected between pins 2 and 3,which is then plugged into the output XLR socket of the last fixture in the chain.

Display Menu

Menu	Sub-menu	Value
Address	Set Address	0 - 255
Config Mode	Channel Mode	1ch/2ch/4ch/10ch/12ch
	Scan rate	1.1k/2.2k/11k/37k Hz
	DMX Status	Enable/Disable
	Fan Speed	low/standard/high
	WDMX Mode	Wait…
	Display Mode	Enable/Disable
	Fast Dimmer	Enable/Disable
	Dimmer Speed	Normal/Fast/Fastest
System Info	Temperature	Head XX ℃
		Body XX ℃
	Fixture Time	XXXXX
Color Menu	Red	0 - 255
	Green	0 - 255
	Blue	0 - 255
	Amber	0 - 255
	White	0 - 255
	Limegreen	0 - 255

CAUTION!
Disconnect from mains before starting maintenance operation.

There are no serviceable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers. If you need any spare parts, please use genuine parts.
If the power supply cable of this device becomes damaged, it has to be replaced by authorized dealers only in order to avoid hazards.
If you have further questions, please contact your dealer.

INSTALLATION

The device must only be installed at a vibration-free, oscillation-free and fire-resistant location.

				function
10	CCT For RGBAWL(CRI95+)	000-002	No function	
		003-006	1500k	increasing 100k each 4 DMX value(Active When Tungsten Channel no function
		007-010	1600k	
		…		
		203-206	6500k	
		207-210	7000k	increasing 500k each 4 DMX value
		…		
		223-226	9000k	
		227-230	10000k	increasing 1000k each 4 DMX value
		247-250	15000k	
		251-255	15000k	
11	Dimmer speed	0-255	For Dimmer and Tungsten	Fast to Slow
12	Tungsten	0-3	No function	1500K-10000K
		4-255	Tungsten Color Temp	

CLEANING AND MAINTENANCE

We recommend a frequent cleaning of the device. Please use a soft lint-free and moistened cloth. Never use alcohol or solvents!

Static Color		0 - 51
Auto Test		Auto Mode 1/2/3/4
Auto Speed		0 - 40
Load Default		True/False
Firmware Version		Software version

DMX functions and values

1CH Mode

No.	Function	Value	Description	Remark
1	Dimmer	000-255	0-100%	Tungsten effect

2CH Mode

No.	Function	Value	Description	Remark
1	Dimmer	000-255	0-100%	
2	CCT	000-255	0-100%	**1500K-15000K**

4CH Mode

No.	Function	Value	Description	Remark
2	Red	000-255	0-100%	
3	Green	000-255	0-100%	
4	Blue	000-255	0-100%	
	White	000-255	0-100%	

10CH Mode

No.	Function	Value	Description	Remark
1	Master dimmer	000-255	0-100%	
2	Red	000-255	0-100%	
3	Green	000-255	0-100%	
4	Blue	000-255	0-100%	
5	White	000-255	0-100%	
6	Strobe	000-009	No function	
		010-99	Strobe	Slow to fast
		100-149	Pulse Strobe	Slow to fast
		150-255	Random strobe	Slow to fast
7	ColorWheel	000-013	No function	
		014-255	ColorWheel	Active When CCT and Tungsten Channel no function
8	CCT For RGBAWL(CRI95+)	000-002	No function	
		003-006	1500k	increasing 100k each 4 DMX value(Active When Tungsten Channel no function
		007-010	1600k	
		...		
		203-206	6500k	
		207-210	7000k	increasing 500k each 4 DMX value
		...		
		223-226	9000k	
		227-230	10000k	increasing 1000k each 4 DMX value
		247-250	15000k	

		251-255	15000k	
9	Dimmer speed	0-255	For Dimmer and Tungsten	Fast to Slow
10	Tungsten	0-3	No function	1500K-10000K
		4-255	Tungsten Color Temp	

12CH Mode

No.	Function	Value	Description	Remark
1	Master dimmer	000-255	0-100%	
2	Red	000-255	0-100%	
3	Green	000-255	0-100%	
4	Blue	000-255	0-100%	
5	Amber	000-255	0-100%	
6	Warm white	000-255	0-100%	
7	Lime	000-255		
8	Strobe	000-009	No function	
		010-99	Strobe	Slow to fast
		100-149	Pulse Strobe	Slow to fast
		150-255	Random strobe	Slow to fast
9	ColorWheel	000-0013	No function	
		014-255	ColorWheel	Active When CCT and Tungsten Channel no