FOS technologies

FOS Bar 24x4 Watt RGBW

PRODUCT SPECIFICATIONS

TECHNICAL SPECIFICATION

Voltage: AC100V-240V/50-60Hz

Power Consumption: 96W

LED: 24pcs 4W RGBW 4in1 LEDS

Beam angle: 45°

LEDs lifespan: >50000 hours

Control: DMX512, Master-slave, sound-active, Auto

DMX Channel: 4 & 8

IP rate: IP65

Weight: 3,6 Kg.

Dimensions: 1000 x 76 x 125 mm (bracket in vertical position).

SAFETY WARNING

This product must be installed by a qualified professional. All maintenance must be carried out by a qualified electrician. A minimum distance of 0.5 m must be maintained between the equipment and a combustible surface. The product must always be operated in a well-ventilated area. DO NOT stare directly into the light source. Always disconnect the power before carrying out any maintenance. The earth must always be connected to the ground. Ensure that all parts of the equipment are kept clean and free of dust.

PROTECTION AGAINST SOLIDS AND WATER

Only for IP-rated fixtures

The protection level of a housing is set by applied standards. For classification there is used the IP-Code. It contains the declaration „IP"and two following numbers. The first number characterizes the protection against harmful effects of solids, the second is rating the water protection. It is important to distinguish whether encapsulation and harmful effect! There can be housing that is not capsuled completely but still avoids harmful effect of solids or water.

PROTECTION EXAMPLES:

IP20: Protection against intruding objects >12,5mm „Finger protected "; No waterproofing. **TYPICAL PROTECTION FOR INDOOR USE FIXTURES**

IP33: Protection against intruding objects >2,5mm; Falling water within an angle of 60° has no harmful effect **TYPICAL PROTECTION OF LED-LIGHTS USING RECESSED POWERCON AND DMX SOCKET**. This protection is linked to the mounting position of the fixture and always refers to typical mounting situation like a Floor spot used standing on the ground.

IP54: complete protection against solids and low-pressure water from any side **THIS TYPE OF FIXTURES CAN BE USED UNDER NORMAL OUTDOOR CONDITIONS**.

IP65: shielded against dust and pressurized water from any side. **TYPICAL PROTECTION FOR OUTDOOR RATED EVENTFIXTURES USING WATERPROOFED POWER AND SIGNAL LINK.**

IP67: shielded against dust and protected for accidental briefly submerge. **PROTECTION AGAINST ACCIDENTIAL SUBMERGING ON TEMPORARY FLOODED AREA.**
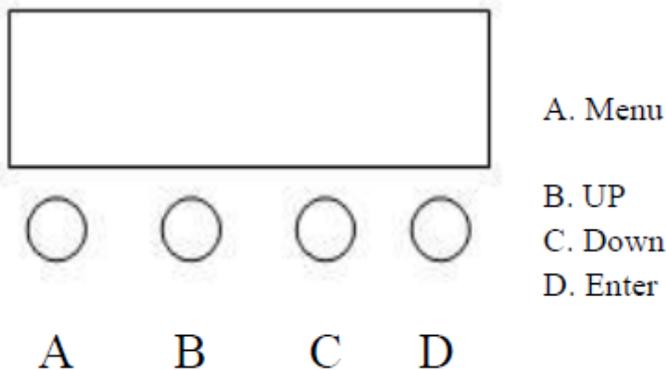

TEMPORARY USE

Event equipment is designed for temporary use. This are typical purpose as concerts, festivals, theatre, clubs and disco use and referable venues. Long-term use, specially under outdoor conditions and fixed outdoor installation can bring damage in aging materials and affect the coated surface. Sealings as well as cables are made from rubber material and will age by long-term UV-emission as sunlight and should be checked frequently.

LIMITATIONS OF IP PROTECTION

IP-Rating doesn´t mean unlimited outdoor use and protection against any kind of environmental influence! Especially sunlight and included UV will bring accelerated aging. Some fixtures need special parts or processes to fit the rated IP-Protection, like mounting covers or caps or similar. Sealings and other plastic or rubber materials are aging parts. They must be checked frequently to ensure the protection and safety of the fixtures. Also specified torque of screws can affect protection!

Menu Screen

A. Menu
B. UP
C. Down
D. Enter

Press **A** button, there will be eight different effects. The first two letters stand 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.

No	Display	Function
1	A001	DMX 512 address, 8CH mode(001-512)
2	D001	DMX 512 address, 4CH mode(001-512)
3	CC00	Color Jump Change, Speed adjustable by B or C button(01-99)
4	CP00	Color Gradual, Pulse Change, speed adjustable by B or C button(01-99)
5	DE00	Color Change, Speed adjustable by B or C button(01-99)
6	R255	Red, with B. C button to change the color(0-255)
7	G255	Green with B. C button to change the color(0-255)

8	B255	Blue, with B. C button to change the color(0-255)
9	O255	White, with B. C button to change the color(0-255)

DMX channel modes

A001: 8CH mode

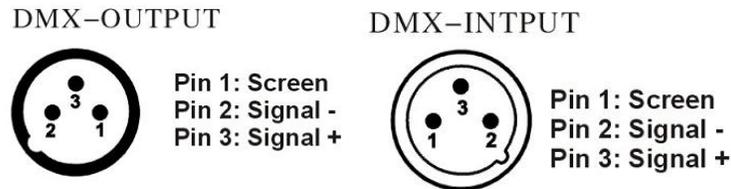| Channel	Value	Function
1	0-255	Total dimmer, from dark to bright
2	0-255	Total strobe, from slow to fast
3	0-49	DMX control
	50-99	Color Jump Change
	100-149	Color Gradual change
	150-200	Color Pulse change
	201-255	No function
4	0-255	CH3 function speed, from slow to fast
5	0-255	Red(1-255, dimmer, from dark to bright)
6	0-255	Green (1-255, dimmer, from dark to bright)
7	0-255	Blue (1-255, dimmer, from dark to bright)
8	0-255	White (1-255, dimmer, from dark to bright)

D001: 4CH mode

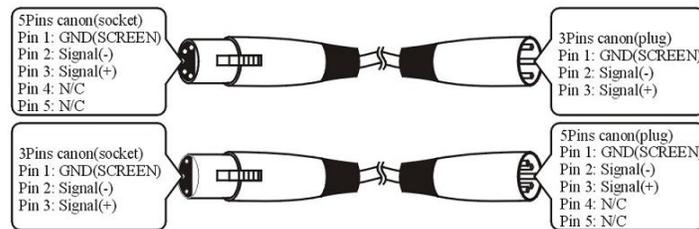| Channel	Value	Function
1	0-255	Red(1-255, dimmer, from dark to bright)
2	0-255	Green (1-255, dimmer, from dark to bright)
3	0-255	Blue (1-255, dimmer, from dark to bright)
4	0-255	White (1-255, dimmer, from dark to bright)

DMX Connection

Please connect XLR-XLR control wire with every light from the output of DMX.

XLR connection:

ATTENTION: Please do remember to connect one circle circuit plug on the output signal of last equipment. And this circle circuit plug was connected a 120ohm resistance between terminals 2 and 3 of the CANON plug, connect this circle circuit plug can avoid the signal flash phenomena of signal DMX512 during the transmission.

Troubleshooting

Problems	Check list	Trouble Shooting
The fixture do not work	1. If your power as same as the input of the machine. 2. If the fuse was broken.	1. Make sure the voltage. 2. Replace the same fuse.
LED dimmed	If your power us same as the input of the machine	Make sure the voltage input.
No DMX input	1. If the polarity is opposited in the DMX controller. 2. If it is in DMX mode.	1. Correct the DMX polarity. 2. Change to the DMX mode.

	3. If there are 2 Master in a loop.	3. Set one piece into Slave mode.
Par Light Set works abnormality	1. Check if the serial is correct on the Par Light display	1. Set the right serial No on the single Par Light

General Information

Replacing a fuse:

Always disconnect the fixture from main power before replacing a fuse. Use only the appropriate fuse, with the same type and rating. A fuse with different rating, can damage the fixture in case of failure.

Risk of electric shock and / or fire:

The fixture must be earthed, supplied always with its nominal voltage and cleaned periodically from dust. For cleaning use only, a moist cloth. Never use liquids or force water. After cleaning, let the fixture dry before use.

Note:

Company retains its right to change anytime the specifications related, when product is improved.