



FOS Luminus Bar



Thank you for choosing our products. For your own safety, please read this manual before installing the device. This manual contains important information on installation and applications. Please install and operate the fixture with following instructions, make sure the power is off before opening the light or repairing. Meanwhile, please keep this manual well for future needs. It is made of a new type of high temperature strength of engineering plastics and cast aluminum casing with nice outlook. The fixture is designed and manufactured strictly following CE standards, complying with international standard DMX512 protocol. It's available independently controlled and linkable with each other for operation. And it is applicable for large-scale live performances, theater, studio, nightclubs and discos.

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 necessary for the user to follow the safety instructions and warning notes written in this user manual. If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature. This device falls under protection-class I. Therefore, it is essential that the device be earthed.

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

The electric connection must carry out by qualified person. The device shall only be used with rate voltage and frequency. 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. During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually. Please don't project the beam onto combustible substances. Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation. 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.

Key Features

- Power supply: AC 100/240 Volt AC, 50 / 60 Hz.
- Power consumption: 80 Watts.
- Light sources: 24x 3 Watts RGB (3 in 1) LEDs.
- Beam angle: 25 degrees.
- Dimming 0 – 100% & strobe effect.
- Strobe rate: 0 – 24 Hz.
- Operating environment: -20°C to +40°C.
- IP Rate: 20 (for indoor use only).
- Control modes: DMX, master/slave, auto & sound.
- DMX control channels: 5 / 8 / 14 / 26 & 50.
- Build in programs.
- LEDs are divided in to 1, 2, 4 & 8 groups for independent control depending the channel modes.
- Size: 1030 x 62 x 58 mm.
- Weight: 3,8 Kg.

Operation Instructions

- Don't turn on the fixture if it's been through severe temperature difference like after transportation because it might damage the light due to the environment changes. So, make sure to operate the fixture until it is in normal temperature.
- This light should be kept away from strong shaking during any transportation or movement.
- Don't expose the fixture in overheat, moisture or environment with too much dust when installing it. And don't lay any power cables on the floor. Or it might cause electronic shock to the people.
- Make sure the installation place is in good safety condition before installing the fixture.
- Make sure to put the safety chain and check whether the screws are screwed properly when installing the fixture.
- Make sure the lens is in good condition. It's recommended to replace the units if there are any damages or severe scratch.
- Make sure the fixture is operated by qualified personnel who knows the fixture before using.

- Keep the original packages if any second shipment is needed.
- Don't try to change the fixtures without any instruction by the manufacturer or the appointed repairing agencies.
- It is not in warranty range if there are any malfunctions from not following the user manual to operate or any illegal operation, like shock short circuit, electronic shock, lamp broke, etc.

Display Menu

Adre	001-512	DMX Address
Chnd	5CH	Channel selection
	8CH	
	14CH	
	26CH	
	50CH	
Slnd	Auto	Auto mode
	Sound	Sound mode
	Slve 1	Console mode
	Slve 2	Auxiliary machine
SLNd	Nast	Master
	SL 1	Slave 1
	SL 2	Slave 2
	D512	DMX
SoUn	So 0 – So 16	Sound Mode
	SE99 – SE0	Sound Sensitivity

Auto	Au 0 – Au 16 (Sp 0 – SP 9)	Auto mode with adjustable speed for each program.
Colo	rEd	Red color 0 - 255
	GrEE	Green color 0 - 255
	bluE	Blue color 0 - 255
diSP	diSP	Display reverse setting
uEr	U12	Firmware Version
Rest		System reset

DMX Charts

5 Channels

CH	DMX Value	Function
1	0-255	Red color
2	0-255	Green color
3	0-255	Blue color
4	0-255	See color chase table
5	0-255	Chase Speed

8 Channels

CH	DMX Value	Function
1	0-255	Master Dimmer
2 Shutter	0-0	Shutter Open
	1-255	Strobe
3	0-255	Red color
4	0-255	Green color
5	0-255	Blue color
6 Auto programs	0-15	Default
	16-255	Color Change
7 Color Chases	0-255	See color chase table
8	0-255	Chase Speed

14 Channels

CH	DMX Value	Function
1	0-255	Dimmer Group 1
2 Shutter Group 1	0-0	Shutter Open
	1-255	Strobe
3	0-255	Red group 1
4	0-255	Green group 1
5	0-255	Blue group 1

6	0-15	Default
	16-255	Color Change Auto
7	0-255	Dimmer Group 2
8	0-0	Shutter Open
	1-255	Strobe
9	0-255	Red group 2
10	0-255	Green group 2
11	0-255	Blue group 2
12	0-15	Default
	16-255	Color Change
13	0-255	See color chase table
14	0-255	Chase speed

26 Channels

CH	DMX Value	Function
1	0-255	Dimmer Group 1
2 Shutter Group 1	0-0	Shutter Open
	1-255	Strobe
3	0-255	Red group 1
4	0-255	Green group 1
5	0-255	Blue group 1

6	0-15	Default
	16-255	Color Change Auto
7	0-255	Dimmer Group 2
8	0-0	Shutter Open
	1-255	Strobe
9	0-255	Red group 2
10	0-255	Green group 2
11	0-255	Blue group 2
12	0-15	Default
	16-255	Color Change Auto
13	0-255	Dimmer Group 3
14	0-0	Shutter Open
	1-255	Strobe
15	0-255	Red group 3
16	0-255	Green group 3
17	0-255	Blue group 3
18	0-15	Shutter Open
	16-255	Color change
19	0-255	Dimmer group 4
20	0-0	Shutter Open
	1-255	Strobe
21	0-255	Red group 4
22	0-255	Green group 4

23	0-255	Blue group 4
24	0-15	Default
	16-255	Color change
25	0-255	See color table
26	0-255	Chase speed

50 Channels

CH	DMX Value	Function
1	0-255	Dimmer Group 1
2 Shutter Group 1	0-0	Shutter Open
	1-255	Strobe
3	0-255	Red group 1
4	0-255	Green group 1
5	0-255	Blue group 1
6	0-15	Default
	16-255	Color Change Auto
7	0-255	Dimmer Group 2
8	0-0	Shutter Open
	1-255	Strobe
9	0-255	Red group 2
10	0-255	Green group 2
11	0-255	Blue group 2

12	0-15	Default
	16-255	Color Change Auto
13	0-255	Dimmer Group 3
14	0-0	Shutter Open
	1-255	Strobe
15	0-255	Red group 3
16	0-255	Green group 3
17	0-255	Blue group 3
18	0-15	Shutter Open
	16-255	Color change
19	0-255	Dimmer group 4
20	0-0	Shutter Open
	1-255	Strobe
21	0-255	Red group 4
22	0-255	Green group 4
23	0-255	Blue group 4
24	0-15	Default
	16-255	Color change
25	0-255	Dimmer group 5
26	0-0	Shutter Open
	1-255	Strobe
27	0-255	Red group 5
28	0-255	Green group 5

29	0-255	Blue group 5
30	0-15	Default
	16-255	Color change
31	0-255	Dimmer group 6
32	0-0	Shutter Open
	1-255	Strobe
33	0-255	Red group 6
34	0-255	Green group 6
35	0-255	Blue group 6
36	0-15	Default
	16-255	Color change
37	0-255	Dimmer group 7
38	0-0	Shutter Open
	1-255	Strobe
39	0-255	Red group 7
40	0-255	Green group 7
41	0-255	Blue group 7
42	0-15	Default
	16-255	Color change
43	0-255	Dimmer group 8
44	0-0	Shutter Open
	1-255	Strobe
45	0-255	Red group 6

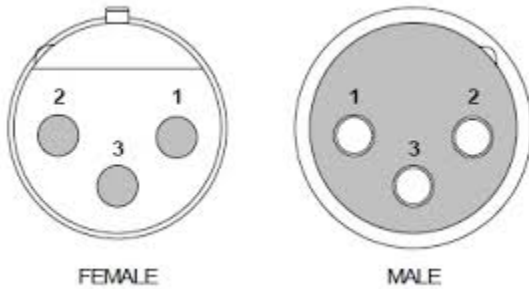
46	0-255	Green group 6
47	0-255	Blue group 6
48	0-15	Default
	16-255	Color change
49	0-255	See color table
50	0-255	Chase speed

Color Chase Table (Macros)

Chase Macros	Value	
	000-007	Default
	008-022	Color chase 01
	023-037	Color chase 02
	038-052	Color chase 03
	053-067	Color chase 04
	068-082	Color chase 05
	083-097	Color chase 06
	098-112	Color chase 07
	113-127	Color chase 08
	128-142	Color chase 09
	143-157	Color chase 10
	158-172	Color chase 11
	173-187	Color chase 12

	188-202	Color chase 13
	203-217	Color chase 14
	218-232	Color chase 15
	233-247	Color chase 16
	248-255	Sound Effects 1 to 16

DMX512 Connection



Pin 1: GND

Pin 2: Data -

Pin 3: Data +

Please remember to use an XLR plug on the last fixture with 120 Ohm resistor between pins 2 and 3, in order to avoid DMX signal loops.