FLASH F7100764 Event Mh spot Lite User Manual

FLASH F7100764 Event Mh spot Lite

Contents

Important Information

⚠️ **WARNING!** The Moving Head (MH) has a powerful pan and tilt motor. The torque reaction when the head is panned suddenly can cause the base to move if the fixture is standing unsecured on a surface. Do not apply power to the MH unless the baase is securely fastened to a surface or to rigging hardware.

WARNING! Use 2 clamps to rig the fixture. Do not hang the fixture from only one clamp. Lock each clamp with both 1/4-turn fasteners. Fasteners are locked only when turned a full 900 clockwise.
WARNING! When clamping the fixture to a truss or other structure at any other angle than with the yoke hanging vertically downwards, use two clamps of half-coupler type. Do not use any type of clamp that does not completely encircle the structure when fastened.
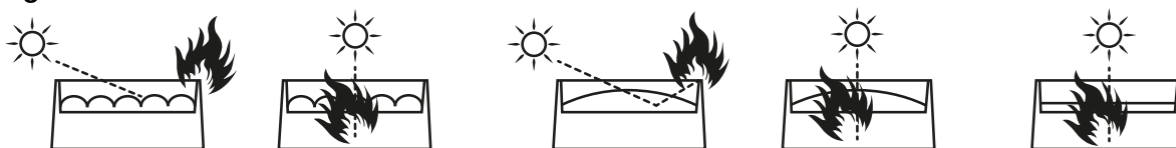
WARNING! Position or shade the head so that the front lens will not be exposed to sunlight or any other strong light source from any angle – even for a few seconds. See **Figure 1.** The MH lens can focuses the sun's rays, creating a potential fire hazard and causing damage.

IMPORTANT! Do not point strong light output from other fixtures at the MH, as intense illumination can damaged the display.

Figure 1.

INTRODUCTION

THANK YOU FOR PURCHASING Spot LITE. FOR SAFETY REASONS AND TO ENSURE THE TROUBLE-FREE OPERATION, CAREFULLY READ THE INSTRUCTIONS.

SAFETY INFORMATION

- Please keep this User Manual for future consultation. If you sell the fixture to another user, be sure that they also receive this instruction booklet.
- Unpack and check carefully there is no transportation damage before using the fixture.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the fixture.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- Disconnect main power before servicing and maintenance.
- Use safety chain when fixes this fixture. Don't handle the fixture by taking its head only, but always by taking its base.
- Maximum ambient temperature is: 40°C Don't operate it where the temperature is higher than this.
- In the event of serious operating problem, stop using the fixture immediately. Never try to repair the fixture by yourself.
  Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- Do not connect the device to any dimmer pack.
- Do not touch any wire during operation and there might be a hazard of electric shock.
- To prevent or reduce the risk of electrical shock or fire, do not expose the fixture to rain or moisture.
- The housing must be replaced if they are visibly damaged.
- Do not look directly at the light spot while the fixture is on.

PRODUCT INFORMATION

- **Light Source:** 1 LED (Single color 350W)
- **Power consumption**: 450 W
- **Power supply voltage**: 100-240V, 50/60Hz AC
- **PAN range**: 540°
- **TILT range:** 270°
- **Beam angle (min/max):** 3°-40°
- **Color wheel:** 8 colors + half-colors + open
- **Gobo wheel**: 10 gobos
- **Rot Gobo wheel**: 8 gobos
- **Color Mix:** CMY + CTO
- **Effect Wheel:** Rotation eight prism, effect move, frost
- **Operating modes**: DMX512, Manual, Auto, Sound-controlled, Master/Slave
- DMX channel mode 22/26
- **IP Rating**: IP20
- **Housing made**: ABS
- **Cooling:** Active
- **AC IN**: Power Con
- 3-Pin XLR DMX Input/Output
- **Net Weight**: 21,2 kg
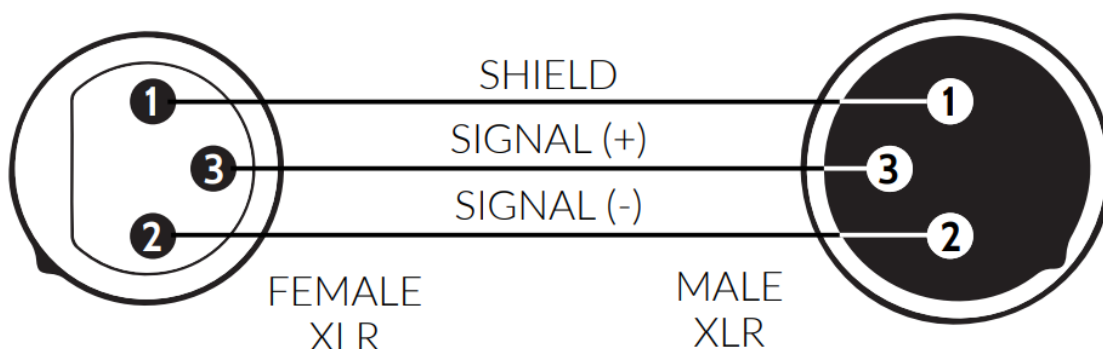- **Dimensions:** H(66,5) xW (36) xD (28,5) cm

INSTALLATION

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture. The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people and has no one pass by or under it.
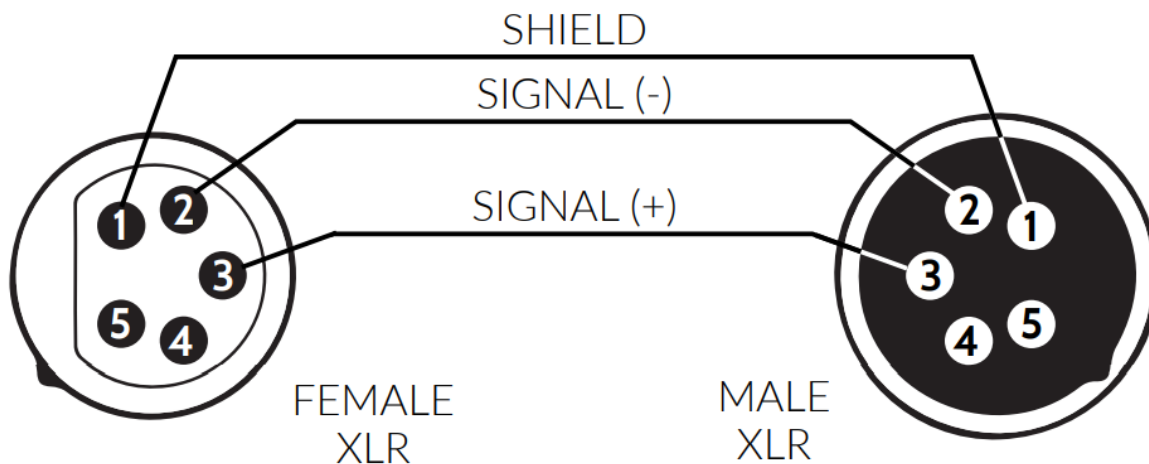
CONNECTION

The device is equipped with the following interfaces:

1. DMX (in/out): XLR 3(5)-pin socket
2. Power (in/out): powerCON socket The connection is performed using cable with XLR-female -> XLR-Male plugs.

3-PIN XLR

SHIELD
SIGNAL (-)
SIGNAL (+)

FEMALE XLR   MALE XLR

5-PIN XLR

CAUTION! At the last fixture, the DMX signal has to be terminated with a terminator. Solder a 120Ω resistor between signal (-) and signal (+) into a XLR plug and plug it in the DMX output of the last fixture.

Diagram of connection of devices by DMX cable.

DMX Controller   DMX 512   DMX 512   120Ω

The connection is performed using power cable with power CON connector (included). The device must be operated by qualified personnel.
CAUTION! In the case of cable damage do not attempt to repair. Replacement or repair can be made only on the manufacturer or by a person with appropriate permissions

Using lamp, the change rate of power voltage should be within ±10%, if the voltage is too high, it will shorten the light's life; if it's not enough, the lamp will be dark. Please restart it after turning off light for 20 minutes until full-cooling. Frequent switching will reduce the life span of lamps and bulbs; intermittent using will improve the life of bulbs and lamps.

Voltage Specification.

Input Voltage	Amperage	Frequency	Total Power
110/240 [V] AC	2.13 [A]	50/60 [Hz]	450[W]

DMXCHART

CHANNEL MODE		NAME	DMX VALUE	FUNCTIONS
26	22			
1	1	PAN	0-255	0-540
2	2	PAN Fine	0-255	
3	3	TILT	0-255	0-270
4	4	TILT Fine	0-255	
5		XY speed	0-255	fast to slow
6	5	Dimmer	0-255	0-100% Dimmer
7	6	Strobe	0-3	Close
			4-103	Slow strobe to fast strobe
			104-107	Open
			108-155	Slow strobe to open strobe
			156-207	Slow strobe to close open strobe
			208-212	Open
			213-251	Free strobe
			252-255	Open
8	7	Color	0-9	White
			10-19	Red
			20-29	Yellow
			30-39	Blue
			40-49	Green
			50-59	Magenta
			60-69	Orange
			70-79	Pink
			80-89	Cyan
			90-99	White/Red
			100-109	Red/Yellow

			DMX VALUE	FUNCTIONS
			110-119	Yellow/Blue
			120-129	Blue/Green
			130-139	Green/Magenta
			140-149	Magenta/Orange
			150-159	Orange/Pink
			160-169	Pink/Bright Pink
			170-179	Bright Pink/White
			180-215	Clockwise Rotate Colors
			216-220	STOP
			221-255	Anticlockwise
9	8	C	0-255	Cyan
10	9	M	0-255	Magenta
11	10	Y	0-255	Yellow
12	11	CTO	0-60	Empty
			61-255	Warm color to White
13	12	Gobo	0-5	Open

CHANNEL MODE		NAME	DMX VALUE	FUNCTIONS
26	22			
			6-11	Gobo 1
			12-17	Gobo 2
			18-23	Gobo 3
			24-29	Gobo 4
			30-35	Gobo 5
			36-41	Gobo 6
			42-47	Gobo 7
			48-53	Gobo 8
			54-59	Gobo 9
			60-65	Gobo 10
			66-71	Gobo 1 Shake (Slow -> Fast)
			72-77	Gobo 2 Shake
			78-83	Gobo 3 Shake
			84-89	Gobo 4 Shake

			90-95	Gobo 5 Shake
			96-101	Gobo 6 Shake
			102-107	Gobo 7 Shake
			108-113	Gobo 8 Shake
			114-119	Gobo 9 Shake
			120-125	Gobo 10 Shake
			126-131	OPEN
			132-190	Gobo wheel Anticlockwise (Fast -> Slow)
			191-192	STOP
			193-255	Gobo wheel Clockwise (Slow -> Fast)
14	13	Rot Gobo	0-9	OPEN
			10-19	Rot Gobo 1
			20-29	Rot Gobo 2
			30-39	Rot Gobo 3
			40-49	Rot Gobo 4
			50-59	Rot Gobo 5
			60-69	Rot Gobo 6
			70-79	Rot Gobo 7
			80-89	Rot Gobo 8
			90-94	Rot Gobo Shake 1 (Slow -> Fast)
			95-99	Rot Gobo Shake 2
			100-104	Rot Gobo Shake 3
			105-109	Rot Gobo Shake 4
			110-114	Rot Gobo Shake 5
			115-119	Rot Gobo Shake 6
			120-124	Rot Gobo Shake 7
			125-129	Rot Gobo Shake 8
			130-191	Rot Gobo wheel Rotation Anticlockwise (Fast -> Slow)
			192-193	STOP

CHANNEL MODE		NAME	DMX VALUE	FUNCTIONS
26	22			
			194-255	Rot Gobo wheel Rotation clockwise (Slow -> Fast)
15	14	Gobo Rot	0-127	Indexed 0-400 degrees
			128-190	Rotate forward Anticlockwise (Fast -> Slow)
			191-192	STOP
			193-255	Rotate reverse Clockwise (Slow -> Fast)
16		Gobo Fine	0-255	Rot Gobo fine
17	15	Prism 1	0-127	Close prism
			128-255	Insert prism 1
18	16	Prism 1 Rot	0-127	Indexed 0-400 degrees
			128-190	Rotate forward Clockwise (Fast -> Slow)
			191-195	STOP
			196-255	Rotate reverse Anticlockwise (Slow -> Fast)
19	17	Prism 2	0-127	Close prism
			128-255	Insert prism 2
20	18	Prism 2 Rot	0-127	Indexed 0-400 degrees
			128-190	Rotate forward Clockwise (Fast -> Slow)
			191-195	STOP
			196-255	Rotate reverse Anticlockwise (Slow -> Fast)
21	19	Frost	0-127	None
			128-255	Insert frost
22		Autofocus		None
23	20	Zoom	0-255	small to large
24	21	Focus	0-255	far to near
25		Focus Fine		
26	22	Function	210-215	Reset XY (over 3 seconds)
			220-235	Reset effect moto (over 3 seconds)
			240-255	Reset all (over 3 seconds)

GOBOS

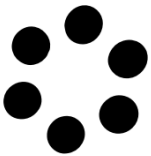GOBO 1　　GOBO 2　　GOBO 3

GOBO 4　　GOBO 5　　GOBO 6
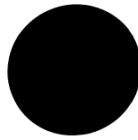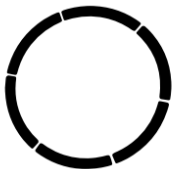

GOBO 7　　GOBO 8　　GOBO 9　　GOBO 10

ROT GOBOS

ROT GOBO 1　　ROT GOBO 2　　ROT GOBO 3

ROT GOBO 4　　ROT GOBO 5　　ROT GOBO 6

ROT GOBO 7　　ROT GOBO 8

Art No F7100764

Customer Support

FLASH-BUTRYM Sp.j.
Skarbimierzyce 18 · 72-002 Dołuje · POLAND
WWW.FLASH-BUTRYM.PL

Documents / Resources

	FLASH F7100764 Event Mh spot Lite [pdf] User Manual F7100764 Event Mh spot Lite, F7100764, Event Mh spot Lite, Mh spot Lite, spot Lite, Lite

References

- **User Manual**