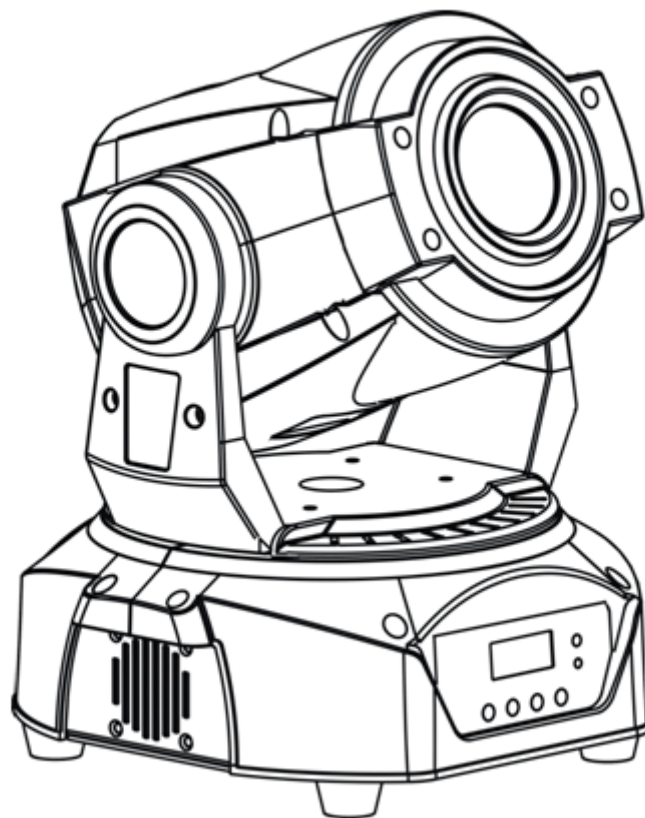


Light-inc
MH-90 LED SPOT

User Manual



1. Function

- DMX Channel: DMX512; 14Channels
- Pan: 540°, 360°, 180°/ Tilt: 270°,180°,90°
- Color Wheel: 7 Colors + Open; Rainbow effect
- Gobo Wheel 1: 8 Fixed Gobos + Open + Rainbow effect
- Gobo Wheel 2: 6 Rotation Gobos + Open(5 Metal Gobos,1 Glass Gobo) + Gobo Rotation + Gobo Shake
- 3-facet Prism
- Variable motorized focus
- Variable electronic shutter (for strobing)
- Variable electronic dimmer (0 – 100%)
- Control Mode: DMX, Sound, Master/Slave, Automated
- Display: LCD Display

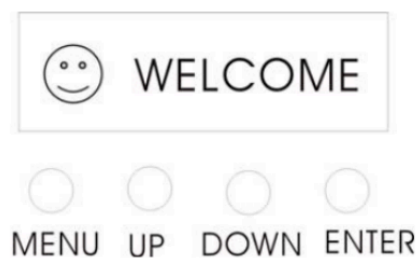
2. Specification

- AC Power:100V 60Hz-240V 50Hz
- Light Source: High-power 90W LED
- Lux:48000Lux@1m
- Beam Angel:14°
- Fuse:F3A,250V
- Product Size:250mm*255mm*360mm
- Packing Size:360mm*310mm*310mm
- N.W:7.0kg
- G.W:8.5kg
- Maximum Ambient Temperature:40°C

3. Control Panel Function

Access control panel functions using the four buttons located directly underneath the LED display on the included wired remote.

BUTTON	FUNCTION
<MENU>	Used to scroll through the current operating mode, as well as back out of the current menu option
<DOWN>	Used to select decreasing advancement in the value
<UP>	Used to select increasing advancement in the value
<ENTER>	Used to select a value and store it to memory



The Control Panel shows the current state of the unit. It is used to select the operating mode, as well as the sub-features. For a detailed layout of the control panel functions, please see the “menu map” section on the following page.

Menu Map

Selection	Mode Display	Selection	Instruction
Address	001		To select DMX address 001-512
Run	DMX512		To run in DMX 512 mode
	Sound		To run in sound mode
	Auto 1		To run in Auto mode slow speed
	Auto 2		To run in Auto mode middle speed
	Auto 3		To run in Auto mode fast speed
Mode	DMX 512	14CH	14 Channel Personality
Invert	Pan	off	Pan normal scan
		on	Pan reversal scan
	Tilt	off	Tilt normal scan
		on	Tilt reversal scan
Degree	Pan	540°	Pan 540°
		360°	Pan 360°
		180°	Pan 180°
	Tilt	270°	Tilt 270°
		180°	Tilt 180°
		90°	Tilt 90°
Default	Yes		load factory setting
Special	DispFlip	off	normal position
		on	up side down
	DispOff	off	display always on
		on	display shut off after 60sec not use
	reset		motor reset
	software		show software version

DMX Channel Values for 14-channel

CHANNEL	VALUE	FUNCTION
1	000-255	Pan
2	000-255	Tilt
3	000-255	Pan Fine
4	000-255	Tilt Fine
5	000-255	X/Y Speed(Fast ~Slow)
6	Color	
	000-015	Open Position
	016-031	color 1
	032-047	color 2
	048-063	color 3
	064-079	color 4
	080-095	color 5
	096-111	color 6
	112-127	color 7
	128-191	Rainbow effect clockwise slow to fast
192-255	Rainbow effect anti clockwise slow to fast	
7	Gobo Wheel Static	
	000-006	Open Position
	007-013	Gobo 1
	014-020	Gobo 2
	021-027	Gobo 3
	028-034	Gobo 4
	035-041	Gobo 5
	042-048	Gobo 6
	049-055	Gobo 7
	056-062	Gobo 8
	063-069	Gobo 8 Shake
	070-076	Gobo 7 Shake
	077-083	Gobo 6 Shake
	084-090	Gobo 5 Shake
	091-097	Gobo 4 Shake
	098-104	Gobo 3 Shake
	105-111	Gobo 2 Shake
	112-118	Gobo 1 Shake
119-127	open Position	
128-191	rainbow effect clockwise slow to fast	
192-255	rainbow effect anti clockwise slow to fast	
8	Gobo Wheel Rotation	
	000-018	Open Position
	019-037	Gobo 1
	038-056	Gobo 2
	057-075	Gobo 3
	076-094	Gobo 4
	095-113	Gobo 5
	114-127	Gobo 6
	128-191	Rainbow effect clockwise slow to fast
	192-255	Rainbow effect anti clockwise slow to fast
9	Gobo Rotation	
	000-009	Rotation stop
	010-115	Gobo rotation anti clockwise slow to fast
	116-119	Rotation stop
	120-225	Gobo rotation clockwise slow to fast
	226-255	Gobo Bounce
10	Strobe	
	000-015	Neutral
	016-200	Strobe from slow to fast
	201-250	Random strobe from slow to fast
	251-255	LED on
11	000-255	Dimmer(0-100%)
12	Function	
	000-044	Neutral
	045-064	Black out during Pan/Tilt movement
	065-094	Reset after 3 sec
	095-134	Auto program slow speed
	135-174	Auto program middle speed
	175-214	Auto program fast speed
	215-255	auto program sound
13	Prism	
	000-015	Open
	016-050	Prism in (No rotation)
	051-255	Prism rotation slow to fast
14	Focus	
	000-255	Focus from near to far