

150W LED SPOT

M
O
V
I
N
G
H
E
A
D

LD-MH-150SPOT



User Manual



PLEASE KEEP THE MANUAL FOR FUTURE NEEDS

CONTENTS

1. INTRODUCTION.....	3
2. TECHNICAL PARAMETER.....	3
3. Products Profile.....	4

4. Application Area.....	4
5. INSTALLATION.....	4
6. DMX512 CONTROL CONNECTIONS.....	5
7. LCD DISPLAY OPERATIONS.....	5~6
8. DMX/Value/Function.....	7~10

Thank you for your patronage. We are confident that our excellent products and service can satisfy you. For your own safety, please read this user manual carefully before installing the device.

In order to install, operate, and maintain the lighting safety correctly. We suggest that the installation and operation should be done by the verified technician and follow the instruction strictly.



CAUTION!

Keep this device away from rain and moisture!



CAUTION!

Unplug mains lead before opening the housing.

Any person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow carefully the instructions of this manual

1. INTRODUCTION

Thank you for having chosen this professional moving head.

You will see you have acquired a powerful and versatile device.

Unpack the device. Inside the carton box you should find:

- a. Moving Head 1 unit
- b. Signal Cable 1 unit
- c. Power Rope 1 unit
- d. Omega Holder 1 unit
- e. User Manual 1 unit

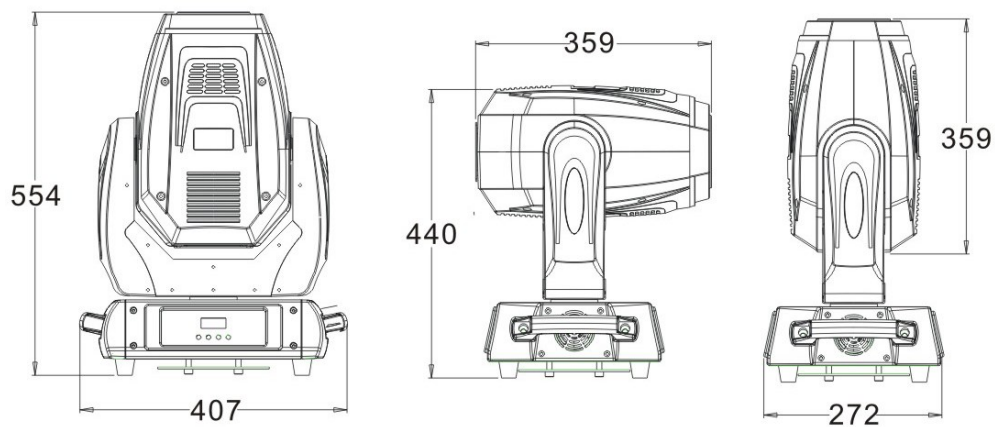
(Flight case, Safety cable and Clamps are optional, please contact your dealer)

Please check carefully that there is no damage caused by transportation. Should there be any problem, please consult your dealer and don't install this device.

2. TECHNICAL PARAMETER

- ◆ Input Voltage: AC100V~240V, 50/60Hz
- ◆ Rated Power: 200W
- ◆ LED Lighting Source: COB 150W LED
- ◆ Digital Display
- ◆ Color Wheel: 7 main colors+ open with the rainbow effect
- ◆ 2-GOBO-Wheel: fixed gobo wheel and rotating gobo wheel (one of gobo wheel can be changeable by use)
- ◆ Control Method: DMX512, Sound Activated, Auto run and Master-Slave
- ◆ Focus: Electronic Focus
- ◆ Prism: 3-rotatable-prism
- ◆ DMX Connectors: 3-pin XLR connector in/out
- ◆ Center Beam Angle: 15°
- ◆ LED Beam Angle: 45° (25°for optional)
- ◆ Super low noise fans
- ◆ Built-in Program
- ◆ Flash Frequency can be adjustable
- ◆ Product Size: 359x407x440mm
- ◆ Package Size: 500x425x540mm
- ◆ Net Weight: 17kg
- ◆ Gross Weight: 17.5kg

3. Products Profile:



4. Application Area

Any professional performance places. eg. Large-scale lives, theater, studio, nightclubs and discos.

5. INSTALLATION

Before installation, please read the user manual carefully, then prepare M8 Screw (1 pc), Omega Holder (1 pc), Clamp (1 pc), and Safety Rope (1 pc).

- Tighten omega holder and clamp by screw and wrench
- Upward the moving beam bottom, use 2 pcs screw tighten the Omega holder at bottom of moving beam. Check it gain.(omega holder with quick couplers version for optional)
- Hang up the fixture on the truss, tighten according to the truss diameter
- Use the safety Rope tighten for safety issue.

(Use M8 Screw one clamp each via a M8 screw and nut onto the holders.

Insert the quick couplers of the Omega holder into the respective holes on the bottom of the device. Tighten quick couplers fully clockwise. Pull the safety-rope through the holes on the bottom of the base and over the trussing system or a safe fixation spot. Insert the end in the carbine and tighten the safety screws.)

6. DMX512 CONTROL CONNECTIONS

Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can daisy chain multiple.

Together moving head through serial linking. The cable should be two core, screened cable with XLR input and output connectors.

DMX512 connection with DMX terminator

For installations where the DMX cable has to run along 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

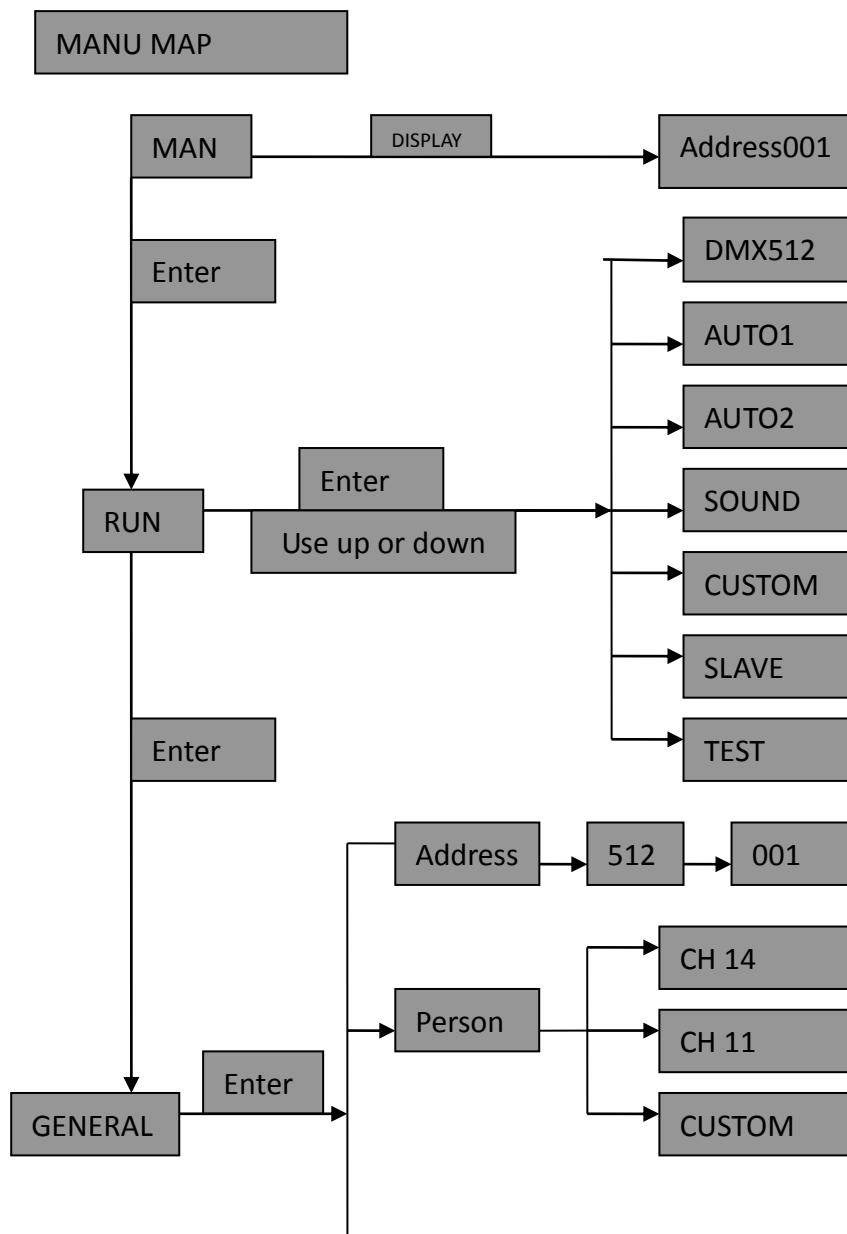
Control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120R resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain.

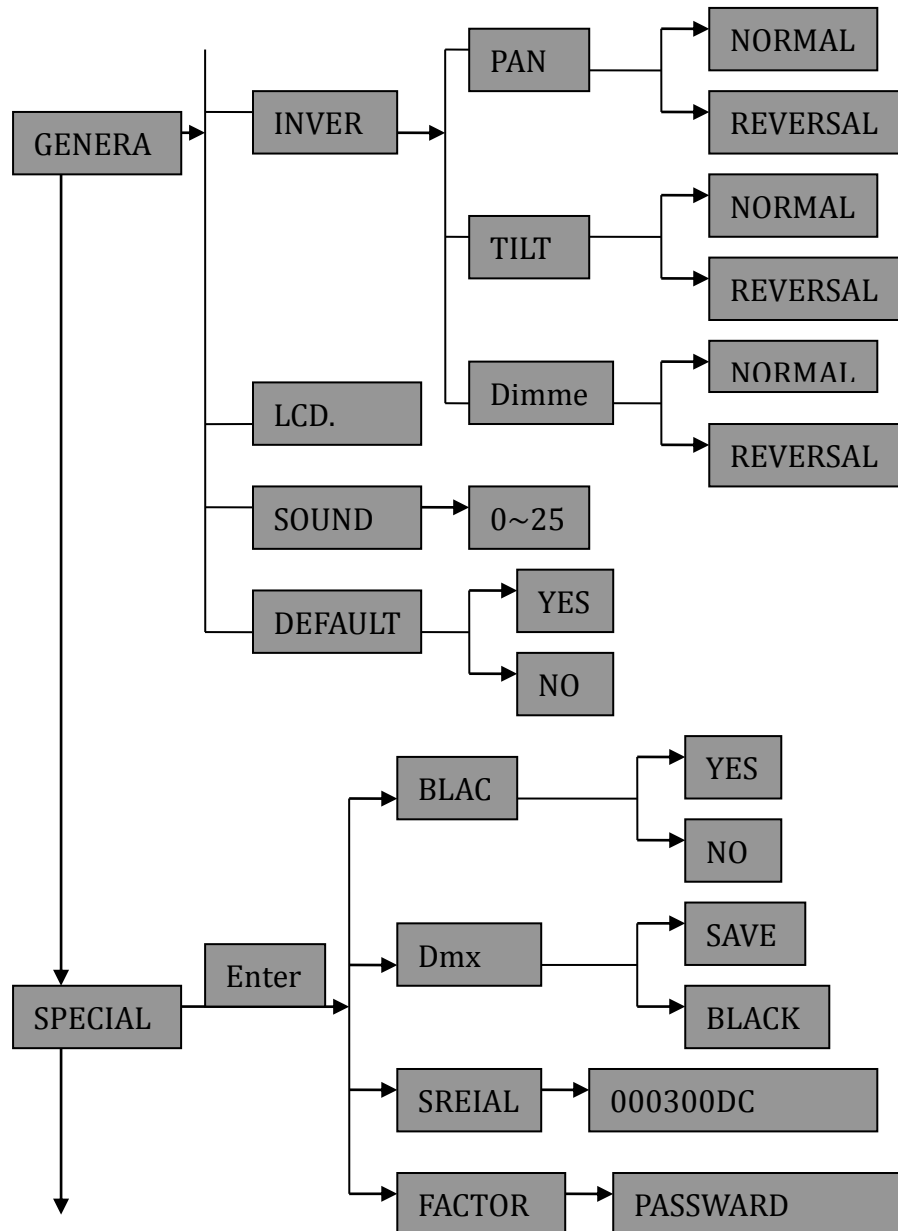
Please see illustrations below.

7. Fixture function setting(Display)

Mode 1: A001 default setting, accept DMX512 signal under MODE 1. Press Enter button into address setting, UP and DOWN for changing the number, press enter for saving the function.







8. DMX CHANNEL, FUNCTION AND VALUE

16CHANNEL AND 18CHANNEL FOR OPTIONAL

18 DMX MODE

Channel	Function	Value	Description
1CH	Pan	0-255	
2CH	Pan Fine	0-255	
3CH	Tilt	0-255	
4CH	Tilt Fine	0-255	
5CH	Pan/Tilt speed	0-255	Decreasing speed
6CH	Dimmer	0-255	Dimmer 0-100%

7CH	Strobe	0-5	No function
		6-249	Strobe effect slow to fast
		250-255	No function
8CH	Focus	0-255	Near to far
9CH	Color	0-19	Open/White
		30-39	Color1
		50-59	Color2
		70-79	Color3
		90-99	Color4
		110-119	Color5
		130-139	Color6
		150-159	Color7
		170-179	Color8
		180-219	Forwards rainbow effect from fast to slow
		220-255	Backwards rainbow effect from slow to fast
10CH	Color Offset	0-255	0-100% step by 1/256
11CH	Gobo 1	0-19	Open
		20-39	Gobo1
		40-59	Gobo2
		60-79	Gobo3
		80-99	Gobo4
		100-199	Gobo5
		120-139	Gobo6
		140-159	Gobo7
		160-199	Forwards gobo rotation from fast to slow
		200-255	Backwards gobo rotation from slow to fast
12CH	Gobo1 Shake	0-255	Slow to Fast
13CH	Gobo 1 Rot.	0-19	Gobo rotation stop
		20-137	Forwards gobo rotation from fast to slow
		138-255	Backwards gobo rotation from slow to fast
14CH	Gobo 2	0-19	Open
		20-39	Gobo1
		40-59	Gobo2
		60-79	Gobo3
		80-99	Gobo4
		100-199	Gobo5
		120-139	Gobo6
		140-159	Gobo7
		160-199	Forwards gobo rotation from fast to slow
		200-255	Backwards gobo rotation from slow to fast

15CH	Prism (棱镜)	0-127	off
		128-255	open
16CH	Prism. Rot	0-1	off
		2-127	Forwards rotation from fast to slow
		128-255	Backwards rotation from slow to fast
17CH			

16 DMX channels model

Channel	Function	Value	Description
1CH	Pan	0-255	
2CH	Pan Fine	0-255	
3CH	Tilt	0-255	
4CH	Tilt Fine	0-255	
5CH	Pan/Tilt speed	0-255	Decreasing speed
6CH	Dimmer	0-255	Dimmer 0-100%
7CH	Strobe	0-5	No function
		6-249	Strobe effect slow to fast
		250-255	No function
8CH	Focus	0-255	Near to far
9CH	Color	0-19	Open/White
		30-39	Color1
		50-59	Color2
		70-79	Color3
		90-99	Color4
		110-119	Color5
		130-139	Color6
		150-159	Color7
		170-179	Color8
		180-219	Forwards rainbow effect from fast to slow
		220-255	Backwards rainbow effect from slow to fast
10CH	Color Offset	0-255	0-100% step by 1/256
11CH	Gobo 1	0-19	Open
		20-39	Gobo1
		40-59	Gobo2
		60-79	Gobo3
		80-99	Gobo4
		100-199	Gobo5
		120-139	Gobo6
		140-159	Gobo7
		160-199	Forwards gobo rotation from fast to slow

		200-255	Backwards gobo rotation from slow to fast
12CH	Gobo1 Shake	0-255	Slow to Fast
13CH	Gobo 1 Rot.	0-19	Gobo rotation stop
		20-137	Forwards gobo rotation from fast to slow
		138-255	Backwards gobo rotation from slow to fast
14CH	Prism	0-127	off
		128-255	open
15CH	Prism. Rot	0-1	off
		2-127	Forwards rotation from fast to slow
		128-255	Backwards rotation from slow to fast
16CH	Control	200-239	Reset