

INVOLIGHT

LEDMH90S



USER MANUAL

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Maintenance

1. Please keep the light in dryness and avoiding use in wet place.
2. Using intermittently can be extended the life.
3. Attention to clean the fan and lens usually in order to get the ventilating effects and lighting effects better.
4. Please do not wipe the crust using organic menstruum for avoid to damage the product.

Statement

The product has well capability and intact packing when leave factory. All of the user should comply with above warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction & problem owing to ignore the manual.

Please forgive that we will not be notice for technical change.

Attention Item

1. For guarantee the life of product, please don't put it on the wet place and also not use it in the place over 40 degree.
2. Please don't lay the product on the unfixable or shakable place.
3. Ask for the professional to maintain the product in order to avoid the danger of get an electric shock.
4. Power supply should not be changed over $\pm 10\%$ while the light is using, it will be decreased the life of lamp if the power is too high, but it will be influenced the luminosity if the power is too low.
5. Please look round the manual for ensure the product can be used normally.

Product introduction

Power supply: AC100-240V, 60/50Hz

Power consumption: 200W

Fiting lamp: 120W

DMX-control-channels: 15 or 10

Colour-wheel 1: 7 single filter + White + Rainbow-effect

Gobo-wheel 1: 8 staic gobo (with gobo shake) + open + Rainbow-effect

Gobo-wheel 2: 7 rotating gobo + open + Rainbow-effect

Shuttle: Flash rate: 0-20Hz

Effect wheel: 3-face prism (controllable rotating speed, adjustable positive & negative)

Focus: motorized focus

Dimmer: 0~100% mechanic dimmer

Iris: 0~100% mechanic adjustable

Maximum PAN-movement: 540° , self-correcting

Maximum TILT-movement: 270° , self-correcting

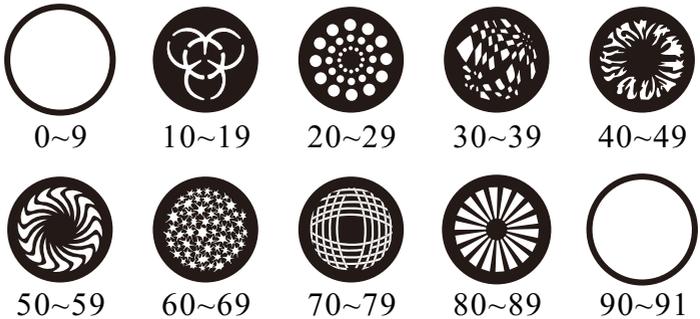
8bit / 16bit PAN/TILT movement resolution

Master/Slave ativated by sound at pre-programmed function.

15 Control Channel

Accept DMX512 control channel, detail as follow:

Channel	DMX-value	Feature		
1 PAN	0~255	540°		
2 TILT	0~255	270°		
3 PAN 16bit	0~255	PAN spinner		
4 TILT 16bit	0~255	TILT spinner		
5 X/Y Speed	0~255	PAN / TILT controllable speed with decreasing		
6 Color Wheel	0~7	White		
	8~15	Blue		
	16~23	Yellow		
	24~31	Pink		
	32~39	Green		
	40~47	Red		
	48~55	Light Blue		
	56~63	Orange red		
	64~66	White		
	67~78	From White To Blue		
	79~92	From Blue To Yellow		
	93~107	From Yellow To Pink		
	108~120	From Pink To Green		
	121~136	From Green To Red		
	137~152	From Red To Light Blue		
	153~170	From Light Blue To Orange red		
	171~212	Positive rainbow effect with increasing speed		
213~255	Negative rainbow effect with increasing speed			
7 GOBO Wheel				
	0~9	10~19	20~29	30~39
				
	40~49	50~59	60~69	70~79

Channel	DMX-value	Feature			
7 GOBO Wheel	80~99	Gobo 1 Shake with increasing speed			
	100~119	Gobo 2 Shake with increasing speed			
	120~139	Gobo 3 Shake with increasing speed			
	140~159	Gobo 4 Shake with increasing speed			
	160~179	Gobo 5 Shake with increasing speed			
	180~199	Gobo 6 Shake with increasing speed			
	200~219	Gobo 7 Shake with increasing speed			
	220~237	Positive rainbow effect with increasing speed			
	238~255	Negative rainbow effect with increasing speed			
8 GOBO Rotation	0~10	Stop			
	11~127	Gobo rotate index			
	128~191	Positive rainbow effect with increasing speed			
	192~255	Negative rainbow effect with increasing speed			
9 Static GOBO Wheel					
	92~107	Static Gobo 1 Shake with increasing speed			
	108~123	Static Gobo 2 Shake with increasing speed			
	124~139	Static Gobo 3 Shake with increasing speed			
	140~155	Static Gobo 4 Shake with increasing speed			
	156~171	Static Gobo 5 Shake with increasing speed			
	172~187	Static Gobo 6 Shake with increasing speed			
	188~203	Static Gobo 7 Shake with increasing speed			
	204~219	Static Gobo 8 Shake with increasing speed			
	220~237	Positive rainbow effect with increasing speed			
	238~255	Negative rainbow effect with increasing speed			

Channel	DMX-value	Feature
10 Shutter	0~7	Close
	8~22	Open
	23~85	Strobe effect with increasing speed
	86~100	Open
	101~165	Pulse strobe
	166~180	Open
	181~245	Random Shutter
	246~255	Open
11 Dimmer	0~255	0~100% mechanic dimmer
12 Focus	0~255	Motorized focus, zoom out to zoom in
13 Prism	0~7	White
	8~15	Stop, static prism effect
	16~127	Rotation prism effect Positive rainbow
	128~239	Rotation prism effect Negative rainbow
	240~255	Stop, static prism effect
14 Channel function	0~9	Reserved
	10~14	Blackout while pan/tilt moving
	15~19	Blackout while color wheel moving
	20~24	Disabled blackout while pan/tilt/color wheel moving
	25~29	Blackout while gobo wheel moving
	30~34	Disabled blackout while pan/tilt/gobo wheel moving
	35~39	Disabled blackout while color wheel/gobo wheel moving
	40~44	Disabled blackout while pan/tilt/color wheel/gobo wheel moving
	45~49	Reset pan
	50~54	Reset tilt
	55~59	Color Wheel 1 disk reset
	60~64	Reserved
	65~69	Gobo disk reset
	70~74	Reset Gobo rotation
	75~79	Reset Gobo 2
	80~84	Reset Focus
85~89	Reset Prism	

Channel	DMX-value	Feature
14 Channel function	90~99	All channel reset
	100~129	Reserved
	130~192	Run random programme
	193~255	Sound control
15 Effect	0~9	Reserved
	10~19	Effect 1
	20~29	Effect 2
	30~39	Effect 3
	40~49	Effect 4
	50~59	Effect 5
	60~69	Effect 6
	70~79	Effect 7
	80~89	Effect 8
	90~99	Effect 9
	100~109	Effect 10
	110~119	Effect 11
	120~129	Effect 12
	130~139	Effect 13
	140~149	Effect 14
	150~159	Effect 15
	160~169	Effect 16
	170~179	Effect 17
	180~189	Effect 18
	190~199	Effect 19
200~209	Effect 20	
210~219	Effect 21	
220~229	Effect 22	
230~239	Effect 23	
240~249	Effect 24	
250~255	Effect 25	

10 Control Channel

Accept DMX512 control channel, detail as follow:

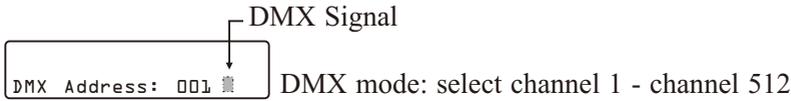
Channel	DMX-value	Feature		
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	0~9	10~19	20~29	30~39
				
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	80~99	Gobo 1 Shake with increasing speed		
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Channel	DMX-value	Feature			
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	160~179	Gobo 5 Shake with increasing speed			
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	220~237	Positive rainbow effect with increasing speed			
	238~255	Negative rainbow effect with increasing speed			
5 GOBO Rotation	0~10	Gobo rotate index			
	11~127	Positive and Negative Rotation with increasing speed			
	128~191	Positive Rotation with increasing speed			
	192~255	Negative Rotation with increasing speed			
6 Static GOBO Wheel					
	0~9	10~19	20~29	30~39	40~49
					
	50~59	60~69	70~79	80~89	90~91
	92~107	Static Gobo 1 Shake with increasing speed			
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7 Shutter	0~7	Close			
	8~22	Open			
	23~85	Strobe effect with increasing speed			
	86~100	Open			
	101~165	Pulse strobe			
	166~180	Open			

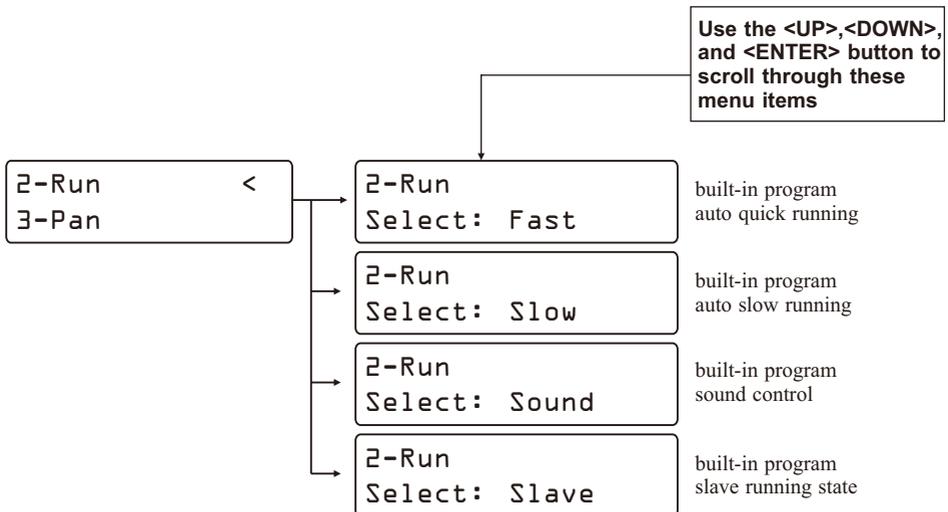
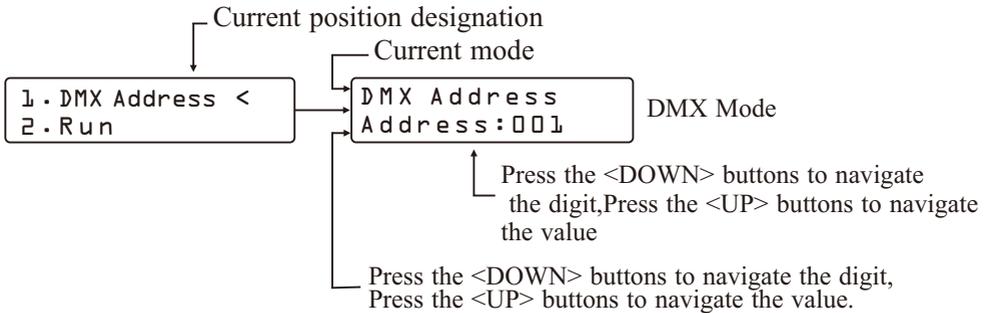
Channel	DMX-value	Feature
7 Shutter	181~245	Random Shutter
	246~255	Open
8 Dimmer	0~255	0~100% mechanic dimmer
9 Focus	0~255	Motorized focus, zoom out to zoom in
10 Prism	0~7	White
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	16~127	Rotation prism effect Positive rainbow
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	240~255	Stop, static prism effect

That Control Display

1、 Top menu, present the current operation:



2. Press the <MODE/ESC> button repeatedly until you reach the desired menu function. Press the <ENTER> button to select the menu function currently displayed, or to enable menu option. To return to the previous option or menu without changing the value. Press the <MODE/ESC> button.



3-Pan <
4-Tilt

3-Pan
Select: Normal

Pan mode
Positive

3-Pan
Select: Reverse

Pan mode
Negative

4-Tilt <
5-Display

4-Tilt
Select: Normal

Tilt mode
Positive

4-Tilt
Select: Reverse

Tilt mode
Negative

5-Display <
6-Pan Angle

5-Display
Select: Bright

The Background lighting long-light

5-Display
Select: 30 Close

The Background lighting will turn
off after 30 seconds if no buttons
are pushed

6-Pan Angle <
7-Tilt Angle

6-Pan Angle
Select: 540

Pan 540° (For built-in program only)

6-Pan Angle
Select: 360

Pan 360° (For built-in program only)

6-Pan Angle
Select: 180

Pan 180° (For built-in program only)

7-Tilt Angle <
8-Channel

7-Tilt Angle
Select: 270

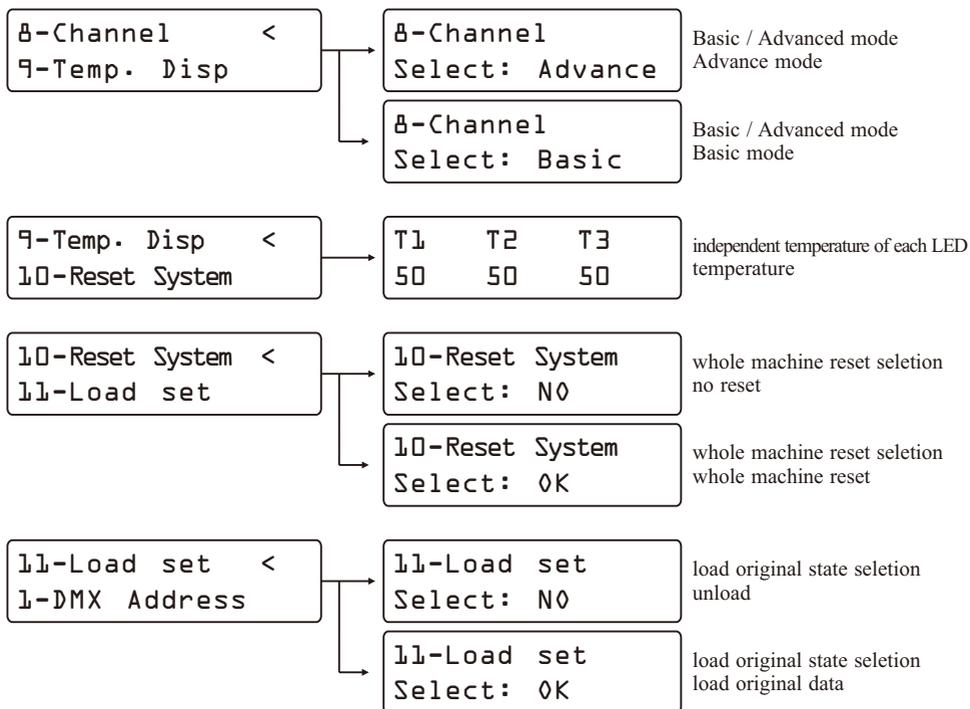
Tilt 270° (For built-in program only)

7-Tilt Angle
Select: 180

Tilt 180° (For built-in program only)

7-Tilt Angle
Select: 90

Tilt 90° (For built-in program only)

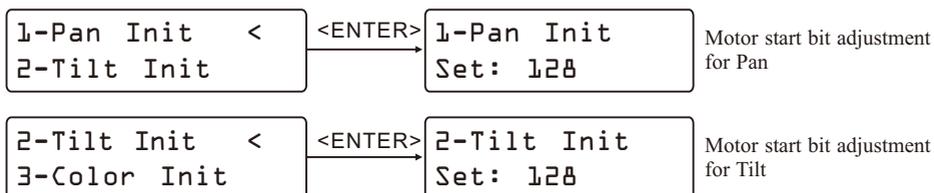


3、Service Functions. Press <MODE/ESC> at least 10 second, goes into motor start bit adjustment.

Init Motor Set
 Password:0000

↑
 Press the <DOWN> buttons to navigate the digit,
 Press the <UP> buttons to navigate the value

1、moto vernier regulation manual. Manufacturing code:2323. enter code and press "enter" enter the follow operation interface:



Fault conditions

Lamp Hot: When the LED reach 90°C, it is protected by the system and turn off automatically, and display will show "Lamp Hot".

Open: Under the condition that the temperature resistance of the LED is not connected or already damaged, the display will be "open".

Short: Under the condition that the temperature resistance of the LED is short circuited, the display will be "Short".

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LEDMH**90S**