

**INVOLIGHT**

# **LED MH250S PRO**



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**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.

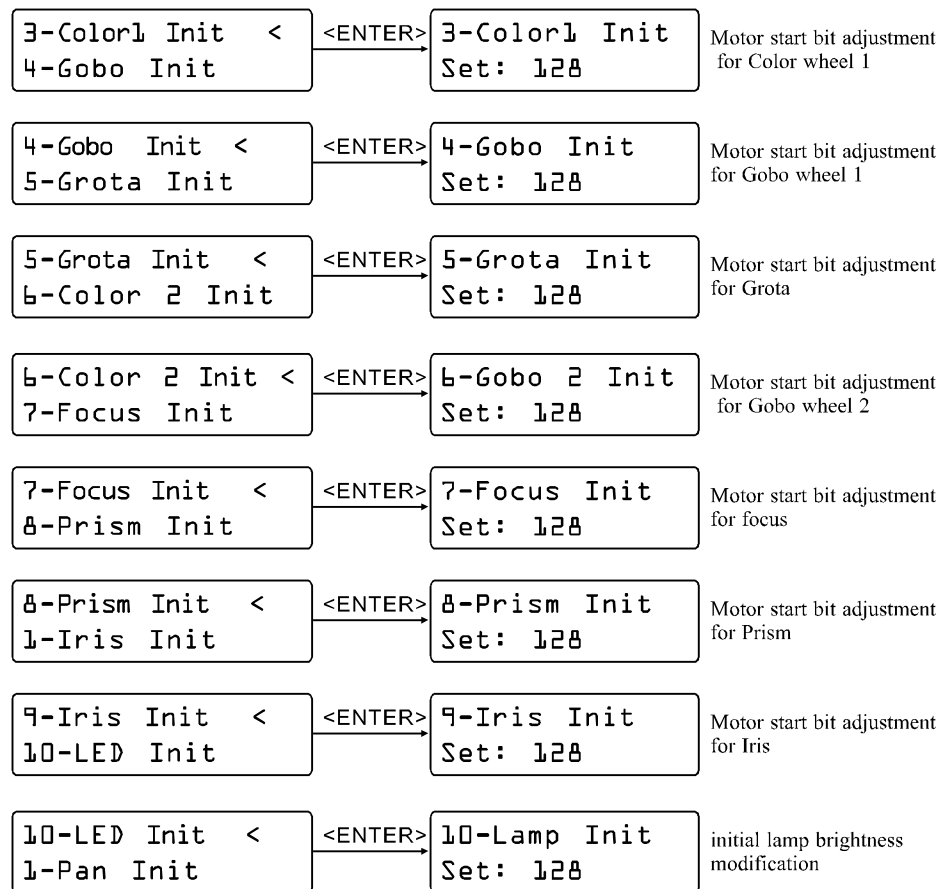
### Statement

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.

## Fault conditions

- Lamp Hot:** When the LED reach 90℃, 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".



After entering into the interface above, pressing the <MODE/ESC> button can be back to the present running state or if no operating within 60s, it will exit automatically.

## 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. After power off, if it is need used again, please cool down over 20 minutes.
6. Please look round the manual for ensure the product can be used normally.

## Product introduction

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

Power consumption: 416W

Light source: 225W White color LED

Control: 16 or 11

Color wheel 1: 7 color + White, spilt colors, rainbow effect

Color wheel 2: 7 color + White, spilt colors, rainbow effect

Gobo wheel : 7 rotating gobo + White + Rainbow effect

Shuttle: 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:  $540^{\circ}$  , self-correcting

Maximum TILT-movement:  $270^{\circ}$  , self-correcting

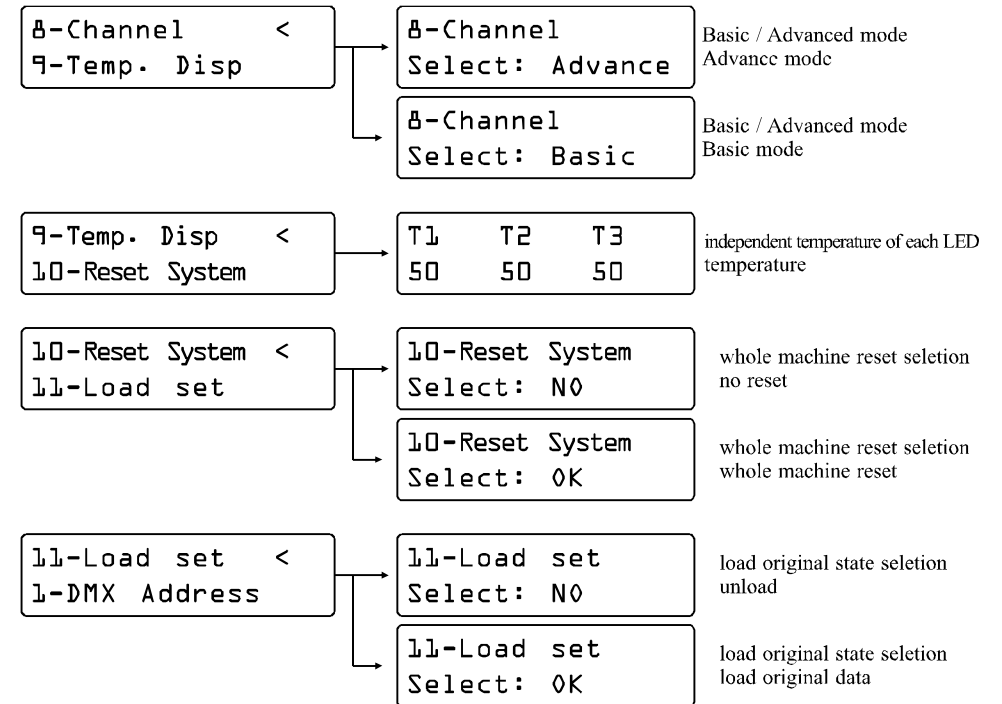
8bit / 16bit PAN/TILT movement resolution

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

## 16 Control Channel

Accept DMX512 control channel, detail as follow:

Channel	DMX-value	Feature
1 PAN	0~255	Pan540°
2 TILT	0~255	Tilt270°
3 PAN 16bit	0~255	PAN 16bit
4 TILT 16bit	0~255	TILT 16bit
5 XY Speed	0~255	XY with decreasing speed
6 Color Wheel	0~7	White
	8~15	Deep Blue
	16~23	Light Yellow
	24~31	Pink
	32~39	Green
	40~47	Red
	48~55	Light Blue
	56~63	Orange
	64~67	White
	68~83	From White To Deep Blue
	84~97	From Deep Blue To Light Yellow
	98~111	From Light Yellow To Pink
	112~127	From Pink To Green
	128~141	From Green To Red
	142~157	From Red To Light Blue
	158~170	From Light Blue To Orange
	171~212	Positive rainbow effect with increasing speed
	213~255	Negative rainbow effect with increasing speed
7 Color Wheel 2	0~7	White
	8~15	UV
	16~23	Orange
	24~31	Light Green
	32~39	3200K Correction Filter
	40~47	5600K Correction Filter
	48~55	Rose Red
	56~63	Deep Blue
	64~67	White

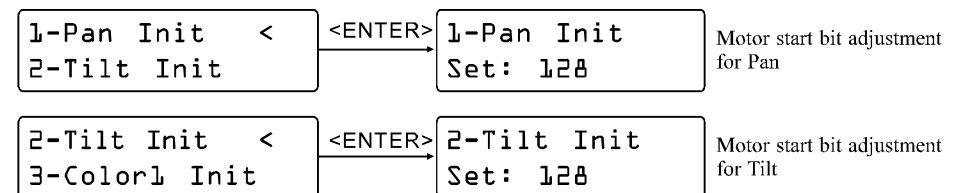


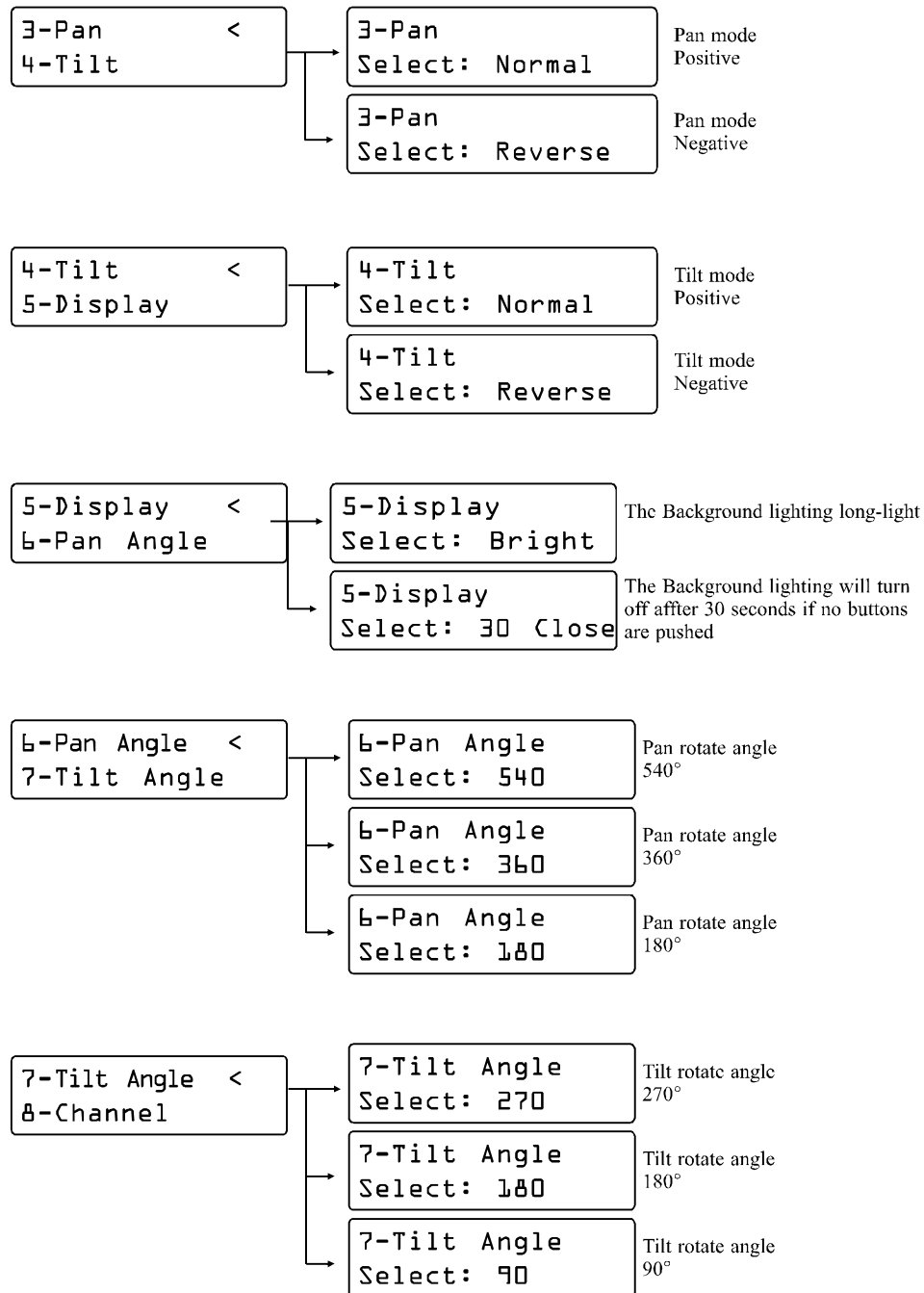
3、Service Functions. Press <MODE/ESC> at least 10 second, goes into motor start bit adjustment.

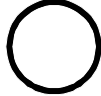







Init Motor Set  
Password:0000

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

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



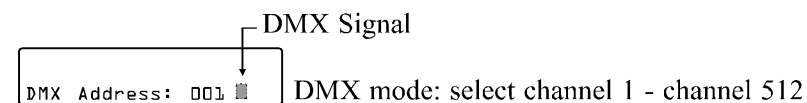


Channel	DMX-value	Feature
7 Color Wheel 2	68~83	From White To UV
	84~97	From UV To Orange
	98~111	From Orange To Light Green
	112~127	From Light Green To 3200K Correction Filter
	128~141	From 3200K Correction Filter To 5600K Correction Filter
	142~157	From 5600K Correction Filter To Rose Red
	158~170	From Rose Red To Deep Blue
	171~212	Positive rainbow effect with increasing speed
	213~255	Negative rainbow effect with increasing speed
8 GOBO Wheel	 0~9  10~19  20~29  30~39	
	 40~49  50~59  60~69  70~79	
	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
9 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
10 Shutter	0~7	Close
	8~22	Open
	23~85	Strobe effect with increasing speed
	86~100	Open

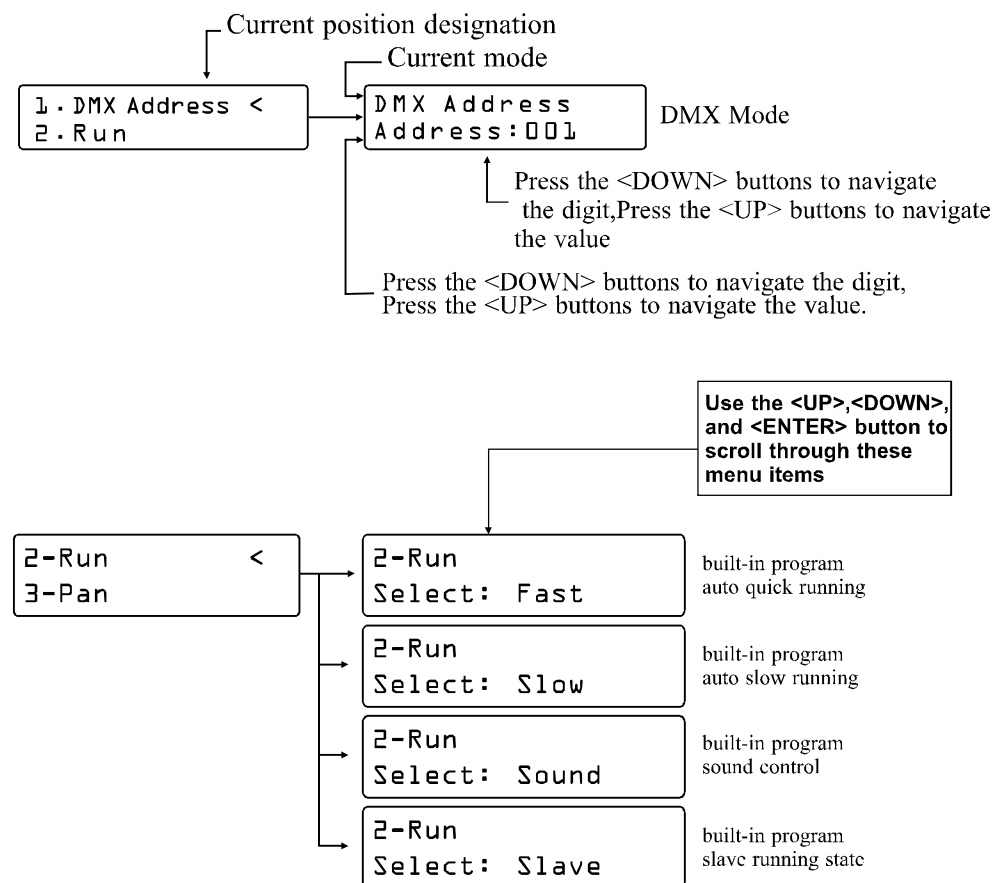
Channel	DMX-value	Feature
10 Shutter	101~165	Pulse strobe
	166~180	Open
	181~245	Random Shutter
	246~255	Open
11 Dimmer	0~255	0~100% mechanic dimmer
12 Focus	0~255	Motorized focus, From near to far
13 Prism	0~7	White
	8~15	Stop, static prism effect
	16~127	Rotation prism effect Positive rainbow
	128~239	Rotation prism effect Negative rainbow
	240~255	Stop, static prism effect
14 Iris	0~63	Iris (big to small)
	64~127	Auto zoom with increasing speed
	128~191	Zoom in slowly and Zoom out fast
	192~255	Zoom in fast and Zoom out slowly
15 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	Reset Iris
	65~69	Gobo disk reset
	70~74	Reset Gobo rotation
	75~79	Reset Color Wheel 2
	80~84	Reserved
	85~89	Reset Prism
	90~99	All channel reset
	100~129	Reserved
	130~192	Run random programme
	193~255	Sound control

## 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.



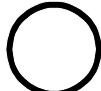







Channel	DMX-value	Feature
7 Shutter	246~255	Open
8 Dimmer	0~255	0~100% mechanic dimmer
9 Focus	0~255	Motorized focus, From near to far
10 Prism	0~7	White
	8~15	Stop, static prism effect
	16~127	Rotation prism effect Positive rainbow
	128~239	Rotation prism effect Negative rainbow
	240~255	Stop, static prism effect
11 Iris	0~63	Iris (big to small)
	64~127	Auto zoom with increasing speed
	128~191	Zoom in slowly and Zoom out fast
	192~255	Zoom in fast and Zoom out slowly

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

## 11 Control Channel

Accept DMX512 control channel, detail as follow:

Channel	DMX-value	Feature
1 PAN	0~255	Pan 540°
2 TILT	0~255	Tilt 270°
3 Color Wheel	0~7	White
	8~15	Deep Blue
	16~23	Light Yellow
	24~31	Pink
	32~39	Green
	40~47	Red
	48~55	Light Blue
	56~63	Orange
	64~67	White
	68~83	From White To Deep Blue
	84~97	From Deep Blue To Light Yellow
	98~111	From Light Yellow To Pink
	112~127	From Pink To Green
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	40~47	5600K Correction Filter
	48~55	Rose Red
	56~63	Deep Blue
	64~67	White
	68~83	From White To UV
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Channel	DMX-value	Feature
4 Color Wheel 2	112~127	From Light Green To 3200K Correction Filter
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	142~157	From 5600K Correction Filter To Rose Red
	158~170	From Rose Red To Deep Blue
	171~212	Positive rainbow effect 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
	181~245	Random Shutter