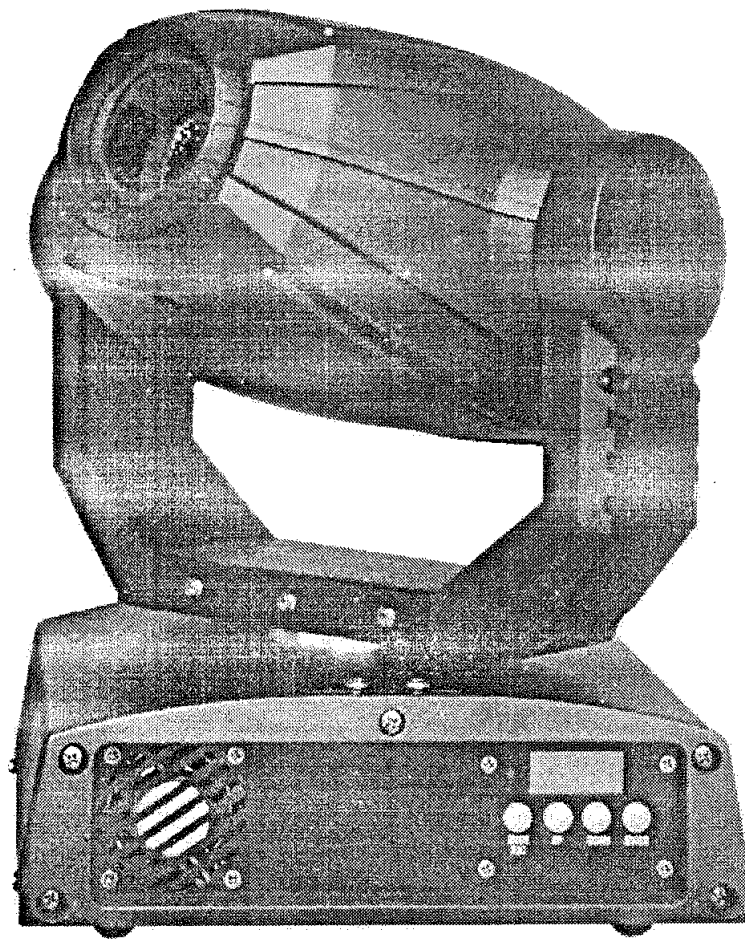


INVO LIGHT

LED MH60S



USER MANUAL

TABLE OF CONTENTS

Maintenance-----	1
Statement-----	1
Attention Item -----	2
Product introduction -----	2
14 Control Channel -----	3
8 Control Channel -----	6
Control Board-----	8

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. 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: AC220V, 50Hz

Power consumption: 135W

Fiting lamp: LED 50W LED

DMX-control-channels: 8 or 14, select from control board

Color: 8 colour + open + rainbow

Gobo-wheel: 7 gobo + open + rainbow

Shuttle: Flash rate: 0-10Hz

Dimmer: 0~100% mechanic dimmer

Maximum PAN-movement: 540

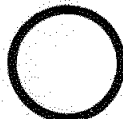
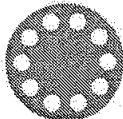
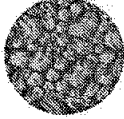



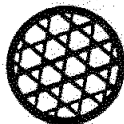
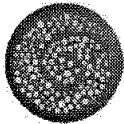
Maximum TILT-movement: 270

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

14 Control Channel

Accept DMX512 control channel, detail as follow:


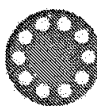




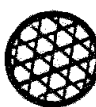

Channel	DMX-value	Feature
1 PAN	0~255	540°
2 TILT	0~255	270°
3 PIN 16bit	0~255	16bit spinner
4 TILT 16bit	0~255	16bit spinner
5 Speed	0~255	Controllable speed with decreasing
6 Colour wheel	0~6	White
	7~13	Yellow
	14~20	Pink
	21~27	Green
	28~34	Peachblow
	35~41	Blue
	42~48	Kelly
	49~55	Red
	56~63	Dark blue
	64~70	White + Yellow
	71~77	Yellow + Pink
	78~84	Pink + Green
	85~91	Green + Peachblow
	92~98	Peachblow + Blue
	99~105	Blue + Kelly
	106~112	Kelly + Red
	113~119	Red + Dark blue
	120~127	Dark blue + White
	128~191	Positive rainbow effect with increasing speed
	192~255	Negative rainbow effect with increasing speed
7 Shutter	0~3	Close
	4~7	Open
	8~215	Strobe effect with increasing speed
	216~255	Open
8 Dimmer	0~255	0~100% mechanic dimmer

Channel	DMX-value	Feature		
9 Gobo wheel	 0~7	 8~15	 16~23	 24~31
	 32~39	 40~47	 48~55	 56~63
	64~71	Gobo 7 shake, from slow to fast		
	72~79	Gobo 6 shake, from slow to fast		
	80~87	Gobo 5 shake, from slow to fast		
	88~95	Gobo 4 shake, from slow to fast		
	96~103	Gobo 3 shake, from slow to fast		
	104~111	Gobo 2 shake, from slow to fast		
	112~119	Gobo 1 shake, from slow to fast		
	120~127	Open		
	128~191	Positive rainbow effect with increasing speed		
	192~255	Negative rainbow effect with increasing speed		
10 Gobo Rotation	0~63	Gobo rotation fixing		
	64~147	Positive rotation with increasing speed		
	148~231	Negative rotation with increasing speed		
	232~255	Gobo bouncing		
11 Channel function	0~7	Reserved		
	8~15	Blackout while pan/tilt moving		
	16~23	Disabled blackout while pan/tilt moving		
	24~31	Blackout while color wheel moving		
	32~39	Disabled black while colour wheel moving		
	40~47	Blackout while gobo wheel moving		
	48~55	Disabled black while gobo wheel moving		
	56~87	Reserved		
	88~95	Blackout all moving		
	96~103	Reset pan		
	104~111	Reset tilt		
	112~119	Color disk reset		
	120~127	Gobo disk reset		

Channel	DMX-value	Feature
11 Channel function	128~135	Gobo rotation reset
	136~143	Prism reset
	144~151	Focus reset
	152~159	All channel reset
	160~255	Reserved
12 Program built-in	0~7	Reserved
	8~23	Program built-in 1
	24~39	Program built-in 2
	40~55	Program built-in 3
	56~71	Program built-in 4
	72~87	Program built-in 5
	88~103	Program built-in 6
	104~119	Program built-in 7
	120~135	Program built-in 8
	136~151	Sound control 1
	152~167	Sound control 2
	168~183	Sound control 3
	184~199	Sound control 4
	200~215	Sound control 5
	216~231	Sound control 6
	232~247	Sound control 7
	248~255	Sound control 8
13 Prism	0~7	Reserved
	8~247	Rotation prism with increasing speed
	248~255	Stop, static prism effect
14 Focus	0~255	Focus from far to near

8 Control Channel

Accept DMX512 control channel, detail as follow:

Channel	DMX-value	Feature		
1 PAN	0~255	540°		
2 TILT	0~255	270°		
3 Colour wheel	0~6	White		
	7~13	Yellow		
	14~20	Pink		
	21~27	Green		
	28~34	Peachblow		
	35~41	Blue		
	42~48	Kelly		
	49~55	Red		
	56~63	Dark blue		
	64~70	White + Yellow		
	71~77	Yellow + Pink		
	78~84	Pink + Green		
	85~91	Green + Peachblow		
	92~98	Peachblow + Blue		
	99~105	Blue + Kelly		
	106~112	Kelly + Red		
	113~119	Red + Dark blue		
	120~127	Dark blue + White		
	128~191	Positive rainbow effect with increasing speed		
192~255	Negative rainbow effect with increasing speed			
4 Shutter	0~3	Close		
	4~7	Open		
	8~215	Strobe effect with increasing speed		
	210~255	Open		
5 Gobo wheel				
	0~7	8~15	16~23	24~31
				
	32~39	40~47	48~55	56~63

Channel	DMX-value	Feature
5 Gobo wheel	64~71	Gobo 7 shake, from slow to fast
	72~79	Gobo 6 shake, from slow to fast
	80~87	Gobo 5 shake, from slow to fast
	88~95	Gobo 4 shake, from slow to fast
	96~103	Gobo 3 shake, from slow to fast
	104~111	Gobo 2 shake, from slow to fast
	112~119	Gobo 1 shake, from slow to fast
	120~127	Open
	128~191	Positive rainbow effect with increasing speed
	192~255	Negative rainbow effect with increasing speed
6 Gobo Rotation	0~63	Gobo rotation fixing
	64~147	Positive rotation with increasing speed
	148~231	Negative rotation with increasing speed
	232~255	Gobo bouncing
7 Prism	0~7	Reserved
	8~247	Rotation prism with increasing speed
	248~255	Stop, static prism effect
8 Focus	0~255	Focus from far to near

Control Board

Password channel

Service Function. Prees <MODE / ESE> at least 10 Second, press <up> <DOWN> buttons, enter the password 2323 and goes into the item.

P128 Adjustment for Pan

T128 Adjustment for Tilt

G128 Adjustment for Gobo wheel

R128 Adjustment for Gobo Rotation

C128 Adjustment for Color wheel

Press the <up> <DOWN> button repeatedly until you reach the desired adjustment, Press the <ENTER> button to confirmed. Confirmed. It will auto exit after 10 seconds.

DMX: **1001**

1001 → Slow show
 → **1001**

1002 → Fast show
 → **1002**

1003 → Sound control show
 → **1003**

1004 → Slave function Select
 → **1004** Slave

1005 → Pan inverted function
 → **1005** Pan inverted

1006 → Tilt inverted function
 → **1006** Tilt inverted

1007 → Display inverted function
 → **1007** Display inverted

1008 → Switch channel mode
 → **1008** Basic mode

1009 → **1009** PAN 540°
 → **1009** PAN 360°
 → **1009** PAN 180°

1010 → **1010** TILT 270°
 → **1010** TILT 180°
 → **1010** TILT 90°

RESET System reset

LoRd Lode default

INVOLIGHT