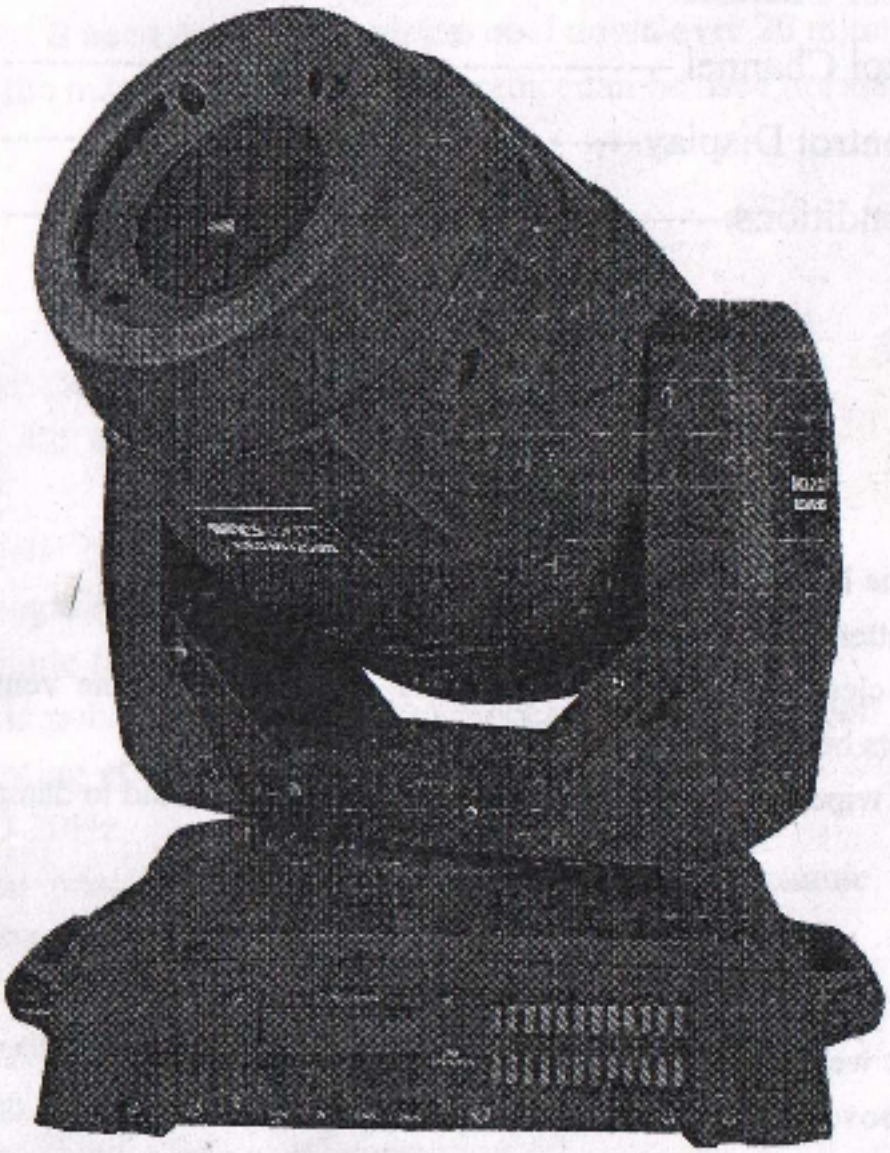
INVOLIGHT

LEDMH250S



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 ±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

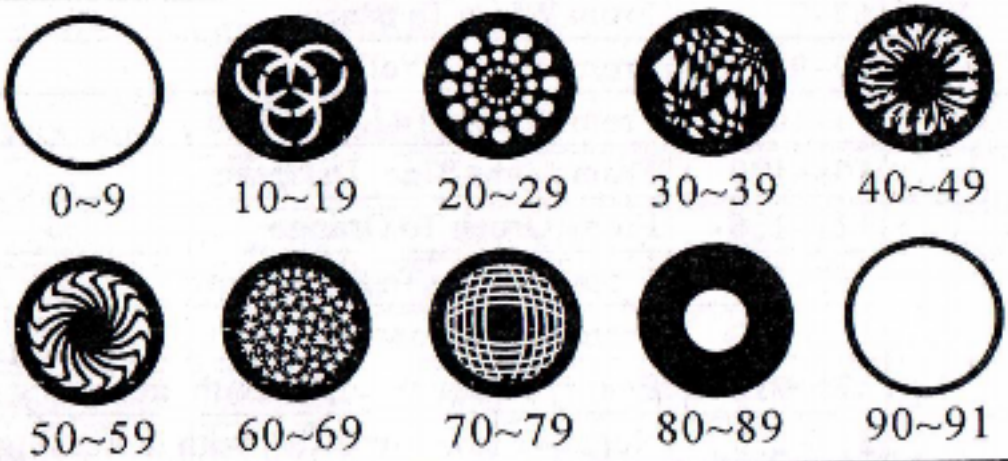
Power supply: AC100-240V, 60/50Hz
Power consumption: 422W
Fiting lamp: 225W
DMX-control-channels: 16 or 11
Colour-wheel 1: 7 single filter + White + Rainbow-effect
Colour-wheel 2: 7 single filter + White + Rainbow-effect
Gobo-wheel 1: 8 staic gobo (with gobo shake) + open + Rainbow-effect
Gobo-wheel 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.

16 Control Channel

Accept DMX512 control channel, detail as follow:

Channel	DMX-value	Feature
1 PAN	0~255	0~540°
2 TILT	0~255	0~270°
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 1	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 Red
	79~92	From Red To Orange red
	93~107	From Orange red To Yellow-green
	108~120	From Yellow-green To Correction-filter 3200k
	121~136	From Correction-filter 3200kTo Correction-filter 5600k
	137~152	From Correction-filter 5600k To Pink
	153~170	From Pink To Dark blue
	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	Blue
	16~23	Yellow
	24~31	Light Blue
	32~39	Green
	40~47	Orange
	48~55	Peachblow
	56~63	UV
	64~66	White

Channel	DMX-value	Feature
7 Color Wheel 2	67~78	From White To Blue
	79~92	From Blue To Yellow
	93~107	From Yellow To Light Blue
	108~120	From Light Blue To Green
	121~136	From Green To Orange
	137~152	From Orange To Peachblow
	153~170	From Peachblow To UV
	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

Channel	DMX-value	Feature
10 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
	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
11 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
12 Dimmer	0~255	0~100% mechanic dimmer
13 Focus	0~255	Motorized focus, zoom out to zoom in
14 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
15 Channel function	0~9	Reserved
	10~14	Blackout while pan/tilt moving

Channel	DMX-value	Feature
15 Channel function	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	Color Wheel 2 disk reset
	65~69	Gobo disk reset
	70~74	Reset Gobo rotation
	75~79	Reset Gobo 2
	80~84	Reset Focus
	85~89	Reset Prism
	90~99	All channel reset
	100~129	Reserved
	130~192	Run random pnogramme
	193~255	Sound control
16 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

Channel	DMX-value	Feature
16 Effect	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

11 Control Channel

Accept DMX512 control channel, detail as follow:

Channel	DMX-value	Feature
1 PAN	0~255	0~540°
2 TILT	0~255	0~270°
3 Color Wheel 1	0~7	White
	8~15	Red
	16~23	Orange red
	24~31	Yellow-green
	32~39	Correction-filter 3200k
	40~47	Correction-filter 5600k
	48~55	Pink
	56~63	Dark blue
	64~66	White
	67~78	From White To Red
	79~92	From Red To Orange red
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	121~136	From Correction-filter 3200kTo Correction-filter 5600k
	137~152	From Correction-filter 5600k To Pink
	153~170	From Pink To Dark blue

Channel	DMX-value	Feature
3 Color Wheel 1	171~212	Positive rainbow effect with increasing speed
	213~255	Negative rainbow effect with increasing speed
4 Color Wheel 2	0~7	White
	8~15	Blue
	16~23	Yellow
	24~31	Light Blue
	32~39	Green
	40~47	Orange
	48~55	Peachblow
	56~63	UV
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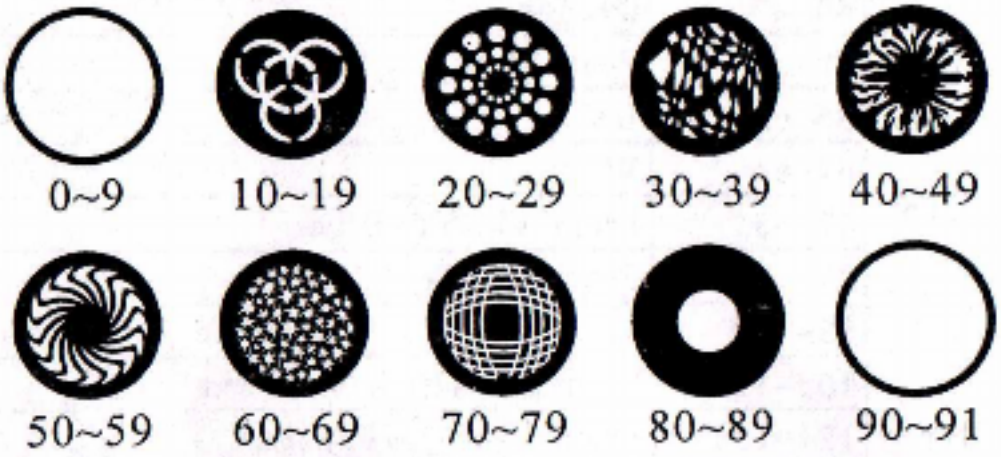
	120~139	Gobo 3 Shake with increasing speed
	140~159	Gobo 4 Shake with increasing speed
	160~179	Gobo 5 Shake with increasing speed
	180~199	Gobo 6 Shake with increasing speed

Channel	DMX-value	Feature
5 GOBO Wheel	200~219	Gobo 7 Shake with increasing speed
	220~237	Positive rainbow effect with increasing speed
	238~255	Negative rainbow effect with increasing speed
6 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
7 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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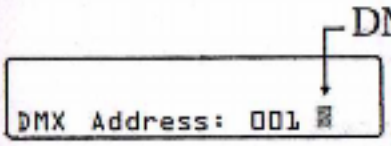
	156~171	Static Gobo 5 Shake with increasing speed
	172~187	Static Gobo 6 Shake with increasing speed
	188~203	Static Gobo 7 Shake with increasing speed
	204~219	Static Gobo 8 Shake with increasing speed
	220~237	Positive rainbow effect with increasing speed
	238~255	Negative rainbow effect with increasing speed
8 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
9 Dimmer	0~255	0~100% mechanic dimmer

Channel	DMX-value	Feature
10 Focus	0~255	Motorized focus, zoom out to zoom in
11 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

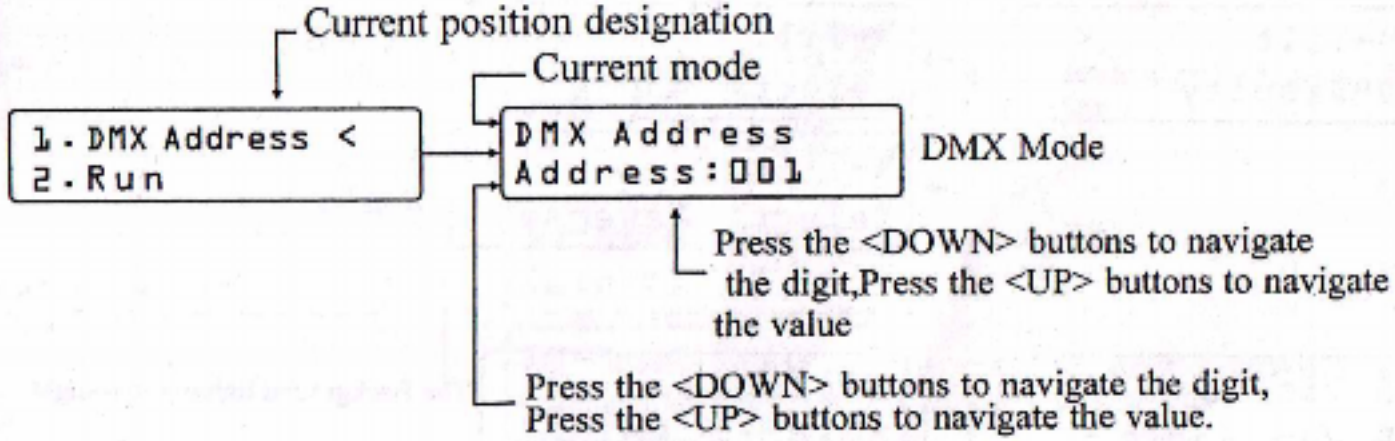
That Control Display

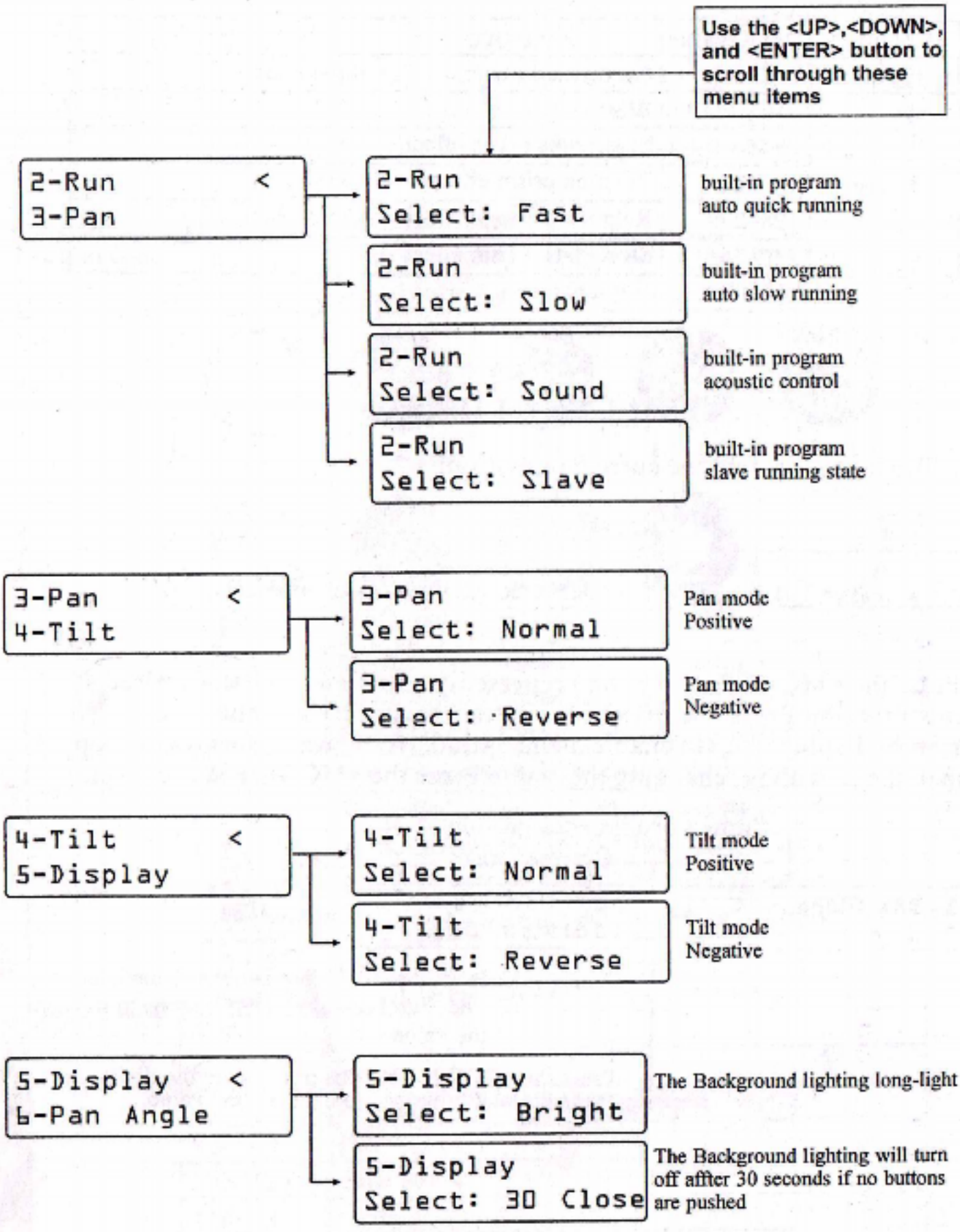
1、Top menu, present the current operation:

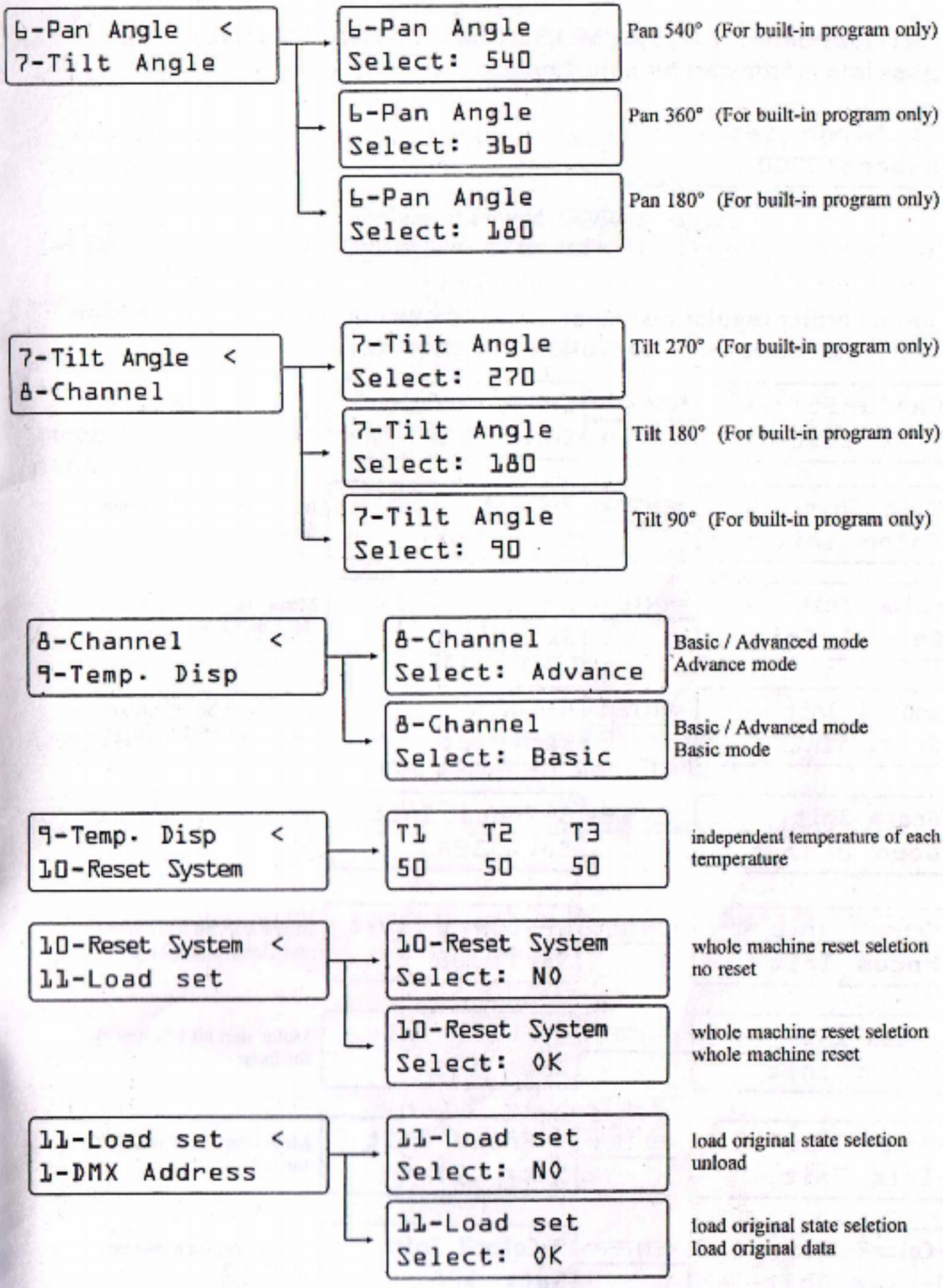


DMX mode: select channel 1 - channel 512

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 op tion or menu without changing the value.Press the <MODE/ESC> button.




Use the <UP>,<DOWN>, and <ENTER> button to scroll through these menu items
2-Run <
3-Pan
2-Run
Select: Fast
built-in program
auto quick running
2-Run
Select: Slow
built-in program
auto slow running
2-Run
Select: Sound
built-in program
acoustic control
2-Run
Select: Slave
built-in program
slave running state
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 affter 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)
8-Channel <
9-Temp. Disp
8-Channel
Select: Advance
Basic / Advanced mode
Advance mode
8-Channel
Select: Basic
Basic / Advanced mode
Basic mode
9-Temp. Disp <
10-Reset System
T1 T2 T3
50 50 50
independent temperature of each LED
temperature
10-Reset System <
11-Load set
10-Reset System
Select: NO
whole machine reset seletion
no reset
10-Reset System
Select: OK
whole machine reset seletion
whole machine reset
11-Load set <
1-DMX Address
11-Load set
Select: NO
load original state seletion
unload
11-Load set
Select: OK
load original state seletion
load original data

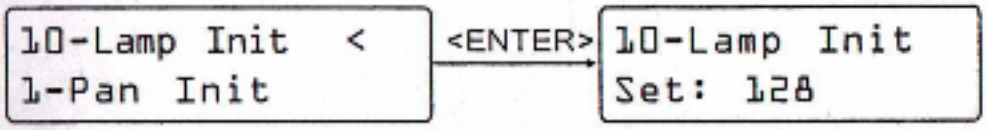
3、Service Functions. Press <MODE/ESC> at least 10 second, goes into motor start bit adjustment.

```
Init Motor Set
Password:0000
```

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

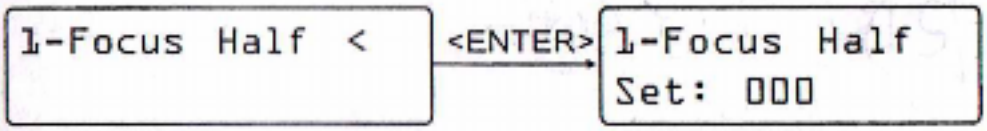
1、moto vernier regulation manual. Manufacturing code:2323. enter code and press "enter" enter the follow operation interface:

1-Pan Init < 2-Tilt Init	<ENTER>	1-Pan Init Set: 128	Motor start bit adjustment for Pan
2-Tilt Init < 3-Color Init	<ENTER>	2-Tilt Init Set: 128	Motor start bit adjustment for Tilt
3-Color Init < 4-Gobo 1 Init	<ENTER>	3-Color Init Set: 128	Motor start bit adjustment for Color wheel
4-Gobo 1 Init < 5-Grota Init	<ENTER>	4-Gobo 1 Init Set: 128	Motor start bit adjustment for Gobo wheel 1
5-Grota Init < 6-Gobo 2 Init	<ENTER>	5-Grota Init Set: 128	Motor start bit adjustment for Grota
6-Gobo 2 Init < 7-Focus Init	<ENTER>	6-Gobo 2 Init Set: 128	Motor start bit adjustment for Gobo wheel 2
7-Focus Init < 8-Prism Init	<ENTER>	7-Focus Init Set: 128	Motor start bit adjustment for focus
8-Prism Init < 1-Iris Init	<ENTER>	8-Prism Init Set: 128	Motor start bit adjustment for Prism
9-Color2 Init < 10-Lamp Init	<ENTER>	9-Color2 Init Set: 128	Motor start bit adjustment for Color2



initial lamp brightness modification

2、Password is 2323, enter the password and press <ENTER>, goes into the item:



half-step moto fucos modification change value

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.

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".

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