

INVOLIGHT

**LEDMH120S
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.

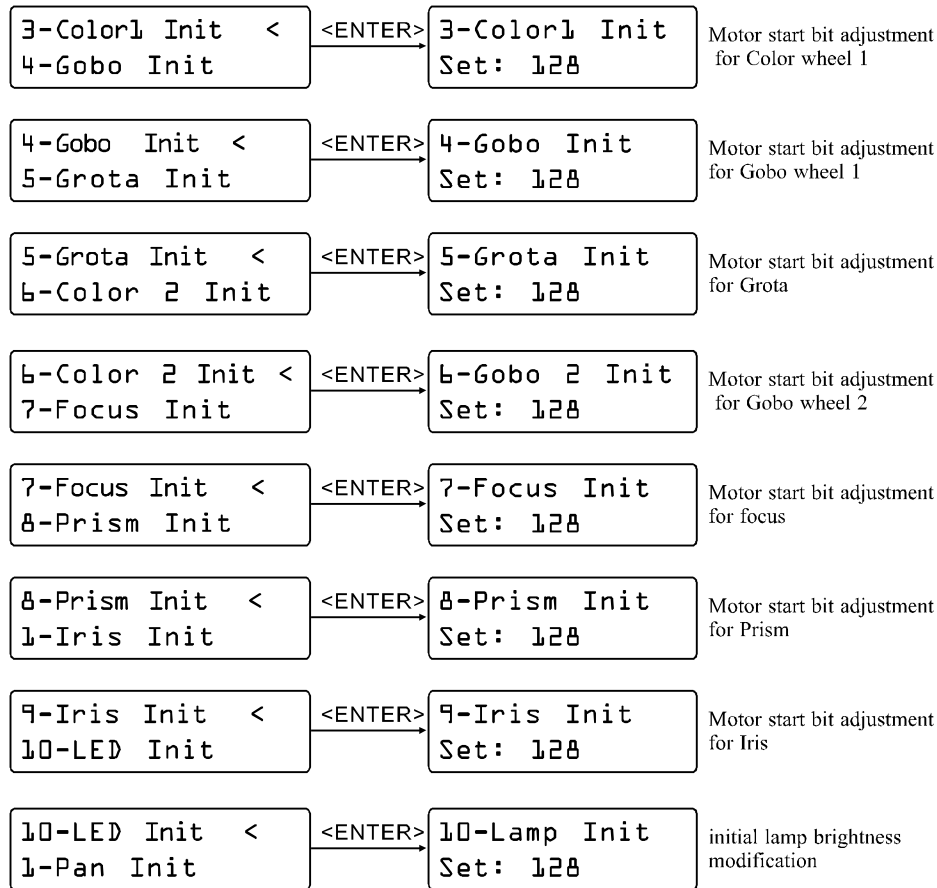
Statement

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°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".



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: 279W

Light source: 140W 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° , self-correcting

Maximum TILT-movement: 270° , self-correcting

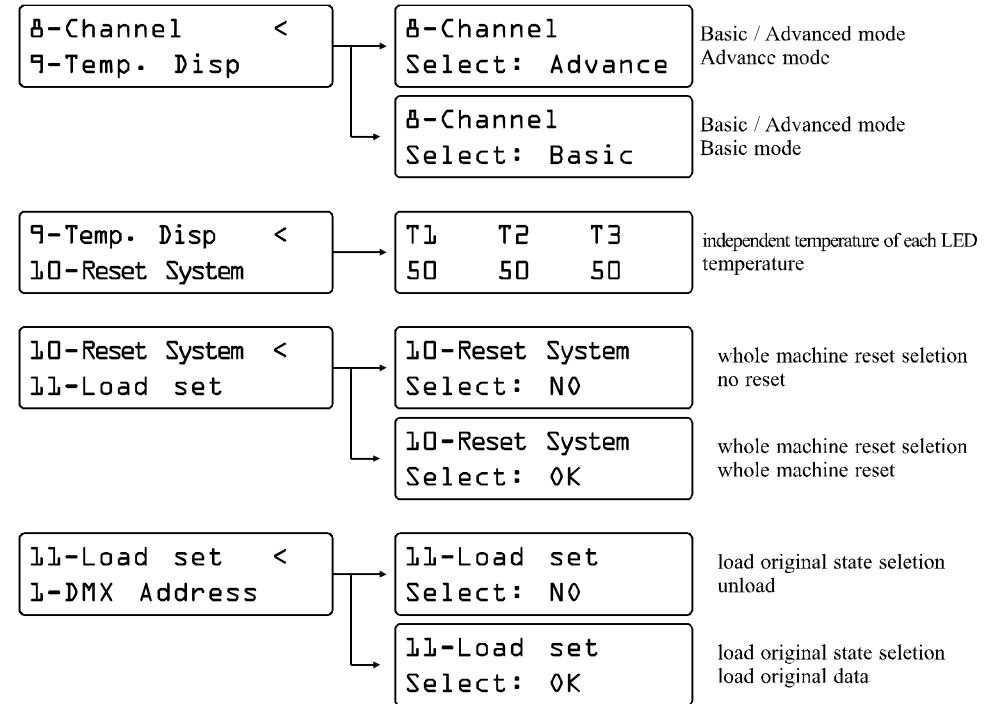
8bit / 16bit PAN/TILT movement resolution

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 | 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 | |

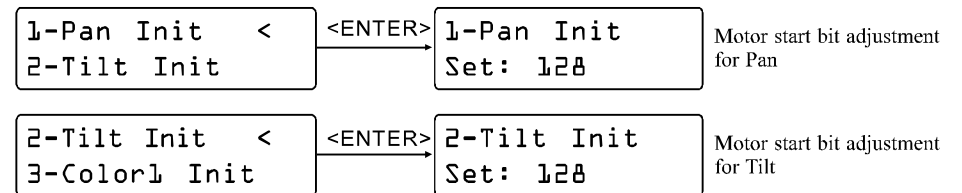


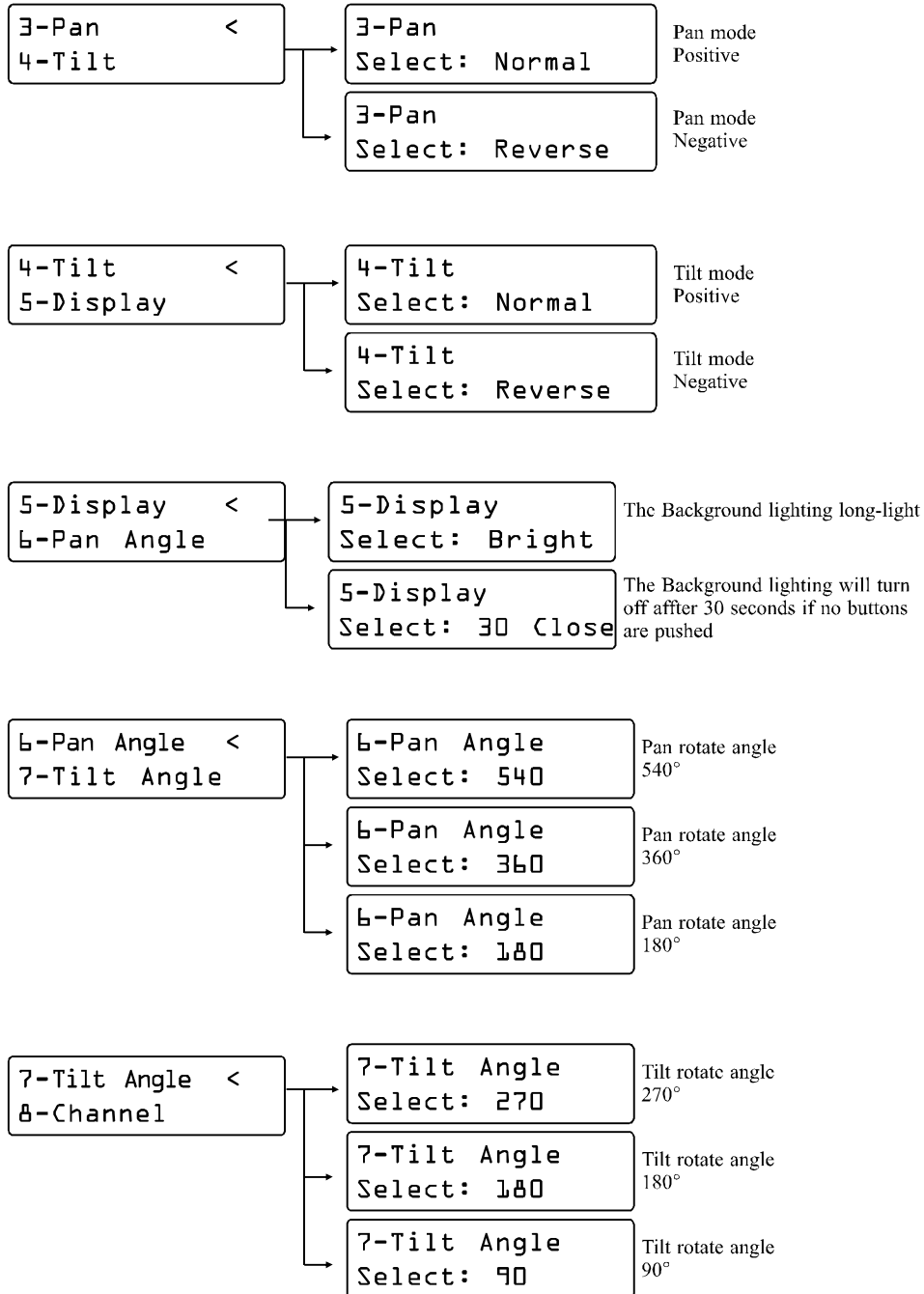
3、Service Functions. Press <MODE/ESC> at least 10 second, goes into motor start bit adjustment.

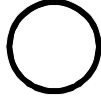







Init Motor Set
Password:0000

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:



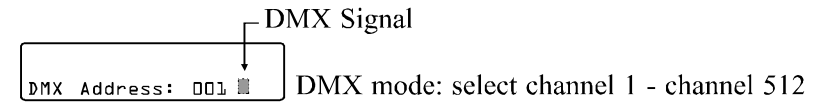


| Channel | DMX-value | Feature |
|-----------------|---|---|
| 7 Color Wheel 2 | 68~83 | From White To UV |
| | 84~97 | From UV To Orange |
| | 98~111 | From Orange To Light Green |
| | 112~127 | From Light Green To 3200K Correction Filter |
| | 128~141 | From 3200K Correction Filter To 5600K Correction 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 |

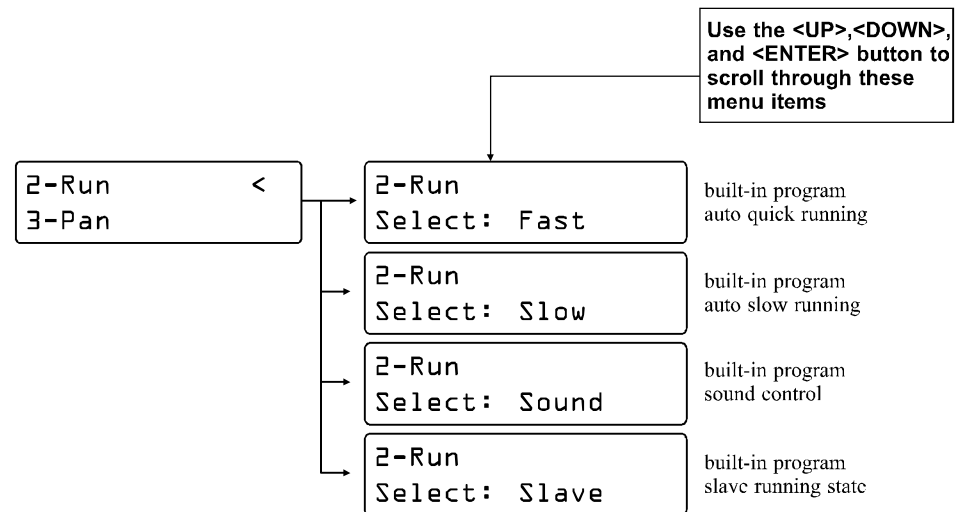
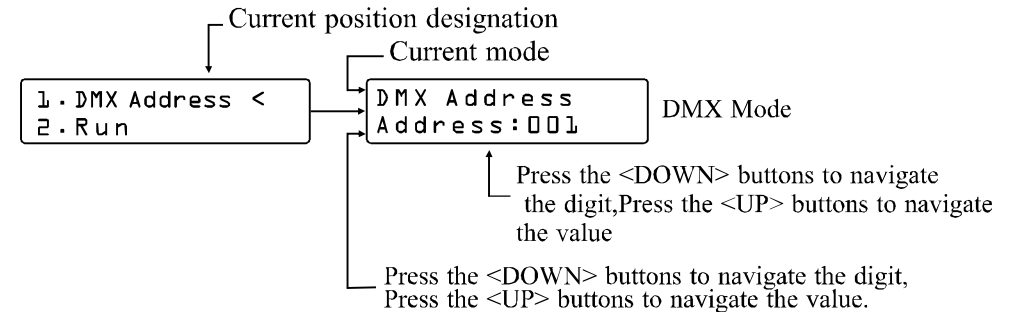
| Channel | DMX-value | Feature |
|---------------------|----------------------|--|
| 10 Shutter | 101~165 | Pulse strobe |
| | 166~180 | Open |
| | 181~245 | Random Shutter |
| | 246~255 | Open |
| 11 Dimmer | 0~255 | 0~100% mechanic dimmer |
| 12 Focus | 0~255 | Motorized focus, From far to near |
| 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.



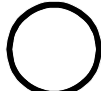







| Channel | DMX-value | Feature |
|-----------|-----------|--|
| 7 Shutter | 246~255 | Open |
| 8 Dimmer | 0~255 | 0~100% mechanic dimmer |
| 9 Focus | 0~255 | Motorized focus, From far to near |
| 10 Prism | 0~7 | White |
| | 8~15 | Stop, static prism effect |
| | 16~127 | Rotation prism effect Positive 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 |
| | 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 | |
| 4 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 |
| | 68~83 | From White To UV |
| 84~97 | From UV To Orange | |
| 98~111 | From Orange To Light Green | |

| Channel | DMX-value | Feature |
|-----------------|-----------|---|
| 4 Color Wheel 2 | 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 |
| 5 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 |
| 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 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 |