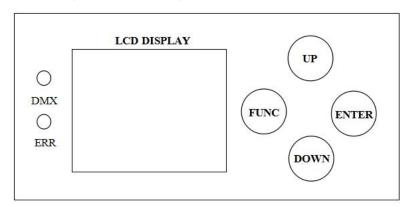# Function manual of the pattern lamp

➢ **Menu structure**

**Main interface- - - - - - setting- - - -1.DMX address**

                **----2. Running mode**

**----3. Self-walk setting**

                **----4. Channel mode**

                **----5. Screensaver**

                **----6. No DMX signal**

                **----7. Linear dimming**

                **----8. Factory settings**

        **-----Manual- - - - - - - - - - - - -see the "Manual Control" list**

        **-----Information- - - -1. version No**

                **----2. Start-up time**

                **----3. Time of use**

                **----4. Sensor status**

                **----5. System error record**

        **-----Advanced- - - -1. Parameter calibration**

**----2. Turn the direction of the motor**

**----3. Color error prompt**

**----4. Pattern rotation and positioning**

**----5. Temperature protection setting**

**----6. Fan heat dissipation mode**

  **- -Switch between Chinese and English**

  **- -Screen rotation**

  **- -Light bead temperature**

  **--running state**

# Boot unlock

Press the up and down keys to enter "up and down", and the "lock" icon displayed on the screen is open to enter the operation interface



**FUNC: menu**
**UP: Top key**
**DOWN: Down the key**
**ENTER: Confirm the key**

➢ **set up**

| option | | explain |
|---|---|---|
| 1.DMX address | 1~512 | Press OK to enter the edit state. Press Up and down to change the address code. Press OK again to exit the edit status |
| 2. Operation mode | DMX | From ver status: receives DMX signal from the console or host |
| | Since walk 1 | Host status: the pattern is turning, go away and send the DMX signal to the slave |
| | Since go 2 | Host status: pattern reversal, walk from itself and send the DMX signal to the slave |
| | hand movement | Host status: Run the manual effect, and send the DMX signal to the slave |
| 3. Set yourself | 1. Color / effect | 0-128 Color switching time, and 1 value represents the time of 1 second |
| | 2. Pattern speed | 0-999 Pattern switching time, and 1 value represents a time of 1s |
| | 3. Rotation speed | 0-127 index of matrix<br>128-189 Pattern rotation forward rotation<br>190-191 Pattern is stopped<br>192-255 Pattern rotation reversal |
| | 4. Sliding speed | Color pattern switch soft degree adjustment, 0-255 from fast to slow |
| 4. Channel | 5CH | No reset channel, see the channel table for details |

| mode | 6CH | With a reset channel, channel 6 can adjust the color pattern switch softness |
|---|---|---|
| 5. Screen protection | close | The back of the screen is often bright |
| | open | Screen backlight delay is turned off |
| 6. No DMX signal | keep | Maintain the field channel values with no DMX signal |
| | clean up | Clear the DMX channel value when there is no DMX signal |
| 7. Linear dimming | close | Linear dimming |
| | open | LED linear dimming |
| 8. Factory setting | >> affirm | Restore factory data |

## ➢ manual control

This interface is used to control the current lamp (not DMX, or DMX).

| option | numeric value | explain |
|---|---|---|
| Channel 1 dimming | 0~255 | Total luminance adjustment (manual control) |
| Channel 2 flash | 0~255 | Strobe speed adjustment (manual control) |
| Channel 3 Color / Effect Plate | 0~255 | Color selection (manual control) |
| Channel 4, the pattern disk | 0~255 | Pattern selection (manual control) |
| Channel 5 pattern rotation | 0~255 | Pattern rotation (manual control, see channel table) |
| Channel 6 slide speed | 0~250 | Color pattern switch softness, 0-250 from fast to slow |
| system reset | >> | system reset |

## ➢ information

| option | explain |
|---|---|
| version number | Current software version |
| available machine time | This boot time |
| utility time | Total time of lamps |
| Sensor status | Easy to view the current sensor status |
| System error record | If the red ERR indicator shines, the lamp is running wrong, and the details can be accessed from the subinterface.<br>**Note: Sometimes it is not the Hall installation problem, but the motor wire connection back or the motor does not rotate** |

| error message | explain |
|---|---|
| Temperature control error | The temperature exceeds the setting temperature and is wrong, and start the temperature protection function |
| Color disk error | Hall installation problem, the motor can not turn properly |

| Pattern disk error | Hall installation problem, the motor can not turn properly |
|---|---|
| Pattern rotation error | Hall installation problem, the motor can not turn properly |

## ➢ **channel table**

| channel | channel pattern | | function declaration |
|---|---|---|---|
| | 5 | 6 | |
| 1 | Total dimming | Total dimming | 0-255 Total dimming is from dark to bright |
| 2 | stroboflash | stroboflash | 0-255 Strobe speeds range from slow to fast |
| 3 | Color / Effect disk (Note: This channel is a custom channel) | Color / Effect disk (Note: This channel is a custom channel) | 0-9 White light<br>10-19 Colour 1<br># # 20-29 Colour # 2<br># # 30- -39 Colour # 3<br>40-49 Colour 4<br># 50-59 Colors # 5<br>60-127 Linear Coloring<br>128-189 The color turns, from fast to slow<br>190-191 No effect has occurred<br>192-255 Color reversal, from slow to fast |
| 4 | Pattern plate | Pattern plate | 0-19 Pattern 1<br>20-39 Pattern 2<br># 40-59 Pattern # 3<br># 60-79 Pattern # 4<br>80-99 Pattern 4 jitter, from slow to fast<br>100-119 Pattern 3 jitter, from slow to fast<br>120-139 Pattern 2 jitters, from slow to fast<br>140-159 Pattern 1 jitters, from slow to fast<br>160-207 The pattern is positive, from fast to slow<br>208-255 Pattern is reversed, from fast to slow |
| 5 | pattern rotation | pattern rotation | 0-127 index of matrix<br>128-189 Pattern rotation forward rotation |

| | | | 190-191 Pattern is stopped |
|---|---|---|---|
| | | | 192-255 Pattern rotation reversal |
| 6 | -- | Color pattern speed & reset | 0-250 Color pattern switch softness adjustment, from fast to slow |
| | | | 251-255 Reduction |

## ➢ advanced setup

| option | | explain |
|---|---|---|
| 1. Parameter calibration | 1. Drive level | High level effective (bead control level, commissioning, caution) |
| | | Low and low level effective (bead control level, commissioning, caution) |
| | 2. Light bead power | 0-255 Light bead power control, debugging, use with caution |
| | 3. Color plate correction | After entering the sub-interface, the reset position of the motor can be adjusted to compensate for the error on the hardware installation. The adjustment range of 0~255,128 indicates that there is no adjustment. |
| | 4. Pattern plate correction | |
| | 5. Rotate 1 for correction | |
| | ∘ ∘ ∘ | |
| | 8. Rotate 4 for correction | |
| 2. Rotation direction of the motor | 1. Color plate | Set the corresponding direction of the motor rotation |
| | 2. Pattern plate | Set the corresponding direction of the motor rotation |
| | 3. Pattern rotation | Set the corresponding rotation direction of the motor. If the pattern disc gear ratio is correct, and the pattern can not return to the original direction for a period of time, you can try to modify the rotation direction and reset it again. |
| 3. Color error prompt | close | No color disk positioning, used for the effect disk, no error reporting function |
| | open | There is a color disk positioning detection |
| 4. Pattern rotation and positioning | close | No rotation positioning, no oriented pattern piece to turn this function off |
| | open | There is rotation positioning, pattern circling a circle after the pattern automatically back |
| | calibration | There is a rotational positioning, and the pattern pieces are calibrated according to the calibration parameters |
| 5. Temperature | 0-99 | Set the maximum protection temperature (Note: |

| | | |
|---|---|---|
| protection setting | | maximum not exceeding 75 degrees) |
| 6. Fan heat dissipation mode | initiative | When the temperature reaches 45 degrees, the fan output reaches the maximum speed |
| | voluntarily | When the temperature reaches 45 degrees, the fan output speed is automatically adjusted according to the temperature |
| | normally open | The fan is often open, and the output maximum speed |