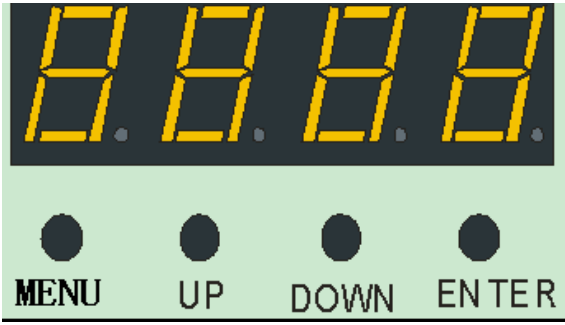# Bar720 USER Manual

一、Display panel and key definition



|  MENU  |  UP  |  DOWN  |  ENTER  |

Menu key: Select function
Up key: the parameter is incremented
Down key: parameter decrement
Confirm key: confirm and save

## 二、 Menu function

Press the menu key after power on, and the menu menu menu will appear in turn; Press the up or down key to modify the function parameters, and the confirm key to save the current function and parameters (with power down memory after saving).

Menu menu：

| A001 | ➡ | A512 | Modify the address code (A001 ~ A512) up or down, and click OK to save. A001 is the default. |
|------|---|------|-----------------------------------------------------------------------------------------------|
| CH04 | ➡ | CH168 | Switch up or down CH04, ch16, and ch168. Press OK to save. The default is ch16. |
| M000 | ➡ | M126 | Modify upward or downward, 127 three in one built-in effects (M000 ~ M126), OK to save. |
| S000 | ➡ | S255 | Modify the running speed of the three in one built-in effect (s000 ~ s255) up or down, and confirm to save. |
| C000 | ➡ | C007 | Up or down modify 8 effects of built-in white light (M000 ~ M007). Switch the built-in effect up and down and confirm to save. |
| Soud | ➡ | Soud | Audio Mode |
| R255 | ➡ | R000 | Modify the red light bead brightness (r000 ~ r255) up or down, and press the OK key to save. The default is r255. |
| G255 | ➡ | G000 | Modify the green light bulb brightness (G000 ~ g255) up or down, press OK to save, and the default is g255. |
| B255 | ➡ | B000 | Modify the brightness of blue light beads (b000 ~ B255) up or down, and press the OK key to save. The default is B255. |
| W255 | ➡ | W000 | Modify the brightness of white light beads (w000 ~ W255) up or down, and press OK to save. The default is W255. |
| T000 | | | Display temperature, for example, t045 indicates that the current lamp temperature is 45 ℃; If 10K thermistor is not installed, T000 is displayed. |

## 三、 Master slave control

Two or more identical lamps are connected by DMX three core signal wires. All lamps are set to any address code A001 ~ A512, and any one is set as the master, while other lamps are slave; When the

host is used to adjust the effects of gradient, pulse change, jump change, voice control, dimming and self All slaves have synchronous gradient, pulse change, jump change, voice control, dimming and self-propelled effects.

Special attention: 1. Only one host can be set for a group of lamps. If there are multiple hosts, all lamps will flash out of sync.

2. All lamps can only work when the DMX512 console is turned off.

## 四、Factory settings

In case of any address code from A001 to A512, press the menu key for 5 seconds to enter the factory setting. Factory setting mainly includes the functions of lamp output power, fan setting mode, setting temperature protection point and sending parameters. The factory sets any mode and exits by pressing the menu key for 5 seconds.

**Factory setting mode table**

| R255 | ➡ | R032 | Modify the red light bead current (r032-r255) up or down, and press the OK key to save. |
|---|---|---|---|
| G255 | ➡ | G032 | Modify the green bulb current (g032-g255) up or down, and press the OK key to save. |
| B255 | ➡ | B032 | Modify the blue light bead current (b032-b255) up or down, and press the OK key to save. |
| W255 | ➡ | W032 | Modify the white bulb current (w032-w255) up or down, and press the OK key to save. |
| FAN0 | ➡ | FAN1 | Modify the running speed of y-axis motor (M000 ~ m255) up or down, and press the OK key to save. |
| T040 | ➡ | T070 | Fan setting: start the fan when fan0 is powered on, start the fan when Fan1 reaches the set temperature protection point, and press OK to save. |
| Send | ➡ | Send | Modify the temperature parameter (40 ℃ ~ 70 ℃) up or down, and press the OK key to save. |

## 五、DMX512Console

**After power on, set the address codes of all lamps, and then connect all lamps to DMX512 console in parallel with three core signal wires. The address code will stop flashing, indicating that DMX512 console signal has been sent to lamps. Use DMX512 console to control relevant functions according to the instructions of each channel.**

**CH4Channel description：**

| passage way | Channel value | basic function |
|---|---|---|
| 1 | 000-255 | Red light bead linear dimming. |
| 2 | 000-255 | Green light bead linear dimming. |
| 3 | 000-255 | Blue light bead linear dimming. |
| 4 | 000-255 | White light bead linear dimming. |

**CH16Channel description**

| passage way | Channel value | basic function |
|---|---|---|
| 1 | 000-255 | Total dimming |
| 2 | 000-255 | RGB stroboscopic |
| 3 | 000-255 | Red light bead linear dimming. |

| 4 | 000-255 | Green light bead linear dimming. |
|---|---------|----------------------------------|
| 5 | 000-255 | Blue light bead linear dimming. |
| 6 | 000-255 | RGB mode |
| 7 | 000-255 | RGB speed |
| 8 | 000-255 | W stroboscopic |
| 9 | 000-255 | white light |
| 10 | 000-255 | W mode |
| 11 | 000-255 | W speed |
| 12 | 000-255 | RGBW stroboscopic |
| 13 | 000-255 | RGBW mode |
| 14 | 000-255 | RGBW speed |
| 15 | 000-255 | Background color |
| 16 | 000-255 | Background dimming |

**CH168Channel description：**

| passage way | Channel value | basic function |
|-------------|---------------|----------------|
| 1 | 000-255 | Segment 01 red light bead linear dimming. |
| 2 | 000-255 | Segment 01 green light bead linear dimming. |
| 3 | 000-255 | Segment 01 blue light bead linear dimming. |
| 5 | 000-255 | Section 02 red light bead linear dimming. |
| 6 | 000-255 | Segment 02 green bulb linear dimming. |
| 7 | 000-255 | Segment 02: linear dimming of blue light beads. |
| … | … … | … … |
| 142 | 000-255 | Section 48 red light bead linear dimming. |
| 143 | 000-255 | Segment 48 green light bead linear dimming. |
| 144 | 000-255 | Segment 48: linear dimming of blue light beads. |
| 145 | 000-255 | Linear dimming of red light beads in Section 1. |
| 146 | 000-255 | Section 2 green light bead linear dimming. |
| 147 | 000-255 | Section 3: linear dimming of blue light beads. |
| … | … … | … … |
| 167 | 000-255 | Section 23 green light bead linear dimming. |
| 168 | 000-255 | Segment 24: linear dimming of blue light beads. |

六、 **Technical parameters:**

**Voltage: AC100 ~ 240V 50 / 60Hz**

**Power: 150W**

**Lamp beads: 240 0.5W 5730 lamp beads and 480 0.3w RGB lamp beads**

**Control mode: DMX512, self-propelled, master-slave, voice control, with RDM function**

**Channel: CH4, ch16, ch168**

**Dimming: 16bit 0 ~ 100% linear dimming**

**Features: horse running + explosive flash**

**Operating temperature: - 30 ℃ ~ 50 ℃**

**Stroboscopic frequency: 1 ~ 30Hz**

**Appearance: metal, black**

**Connection mode: DMX512 input / output**

**/Power input and output.**

**IP class: IP20**

**Size: 100 * 10 * 15cm gross weight: 2.3kg**