1. **product description**

This configuration uses a 60-inch digital display tube with a light-emitting chip. This display method gives a good visual sensory effect and the font is easy to recognize. The main control chip adopts ARM core MCU (32-bit operation, 16-level dimming). The high-speed operation of the MCU can make the dimming more delicate and smooth, and its high capacity can make more functional effects.

1. **Product features**

* International standard DMX512 protocol
* adaptive master-slave. multi-machine interconnection control
* Over temperature automatic protection, with temperature display, intelligent fan
* 0-100%Linear dimming
* Key password protection
* Multiple white light settings for different color temperatures
* Support software upgrade through external DMX signal port (easy and convenient operation)

1. **Menu function**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Main menu name | Submenu 1 | Submenu 2 | description | description |
| STAT | R.(0-255) |  | White light 1 (eye 1) | Static mode |
| G.(0-255) |  | White light 2 (eye 2) |
| b.(0-255) |  | White light 3 (eye 3) |
| W.(0-255) |  | White light 4 (eye 4) |
| S.(0-20) |  | Strobe |
| AUTO | AT.(01-10) | SP (0-99) slow-fast | Mode 1 and speed settings | Automatic mode, a total of 10 kinds |
| AT.02 | SP(0-99) slow-fast |  |
| ... | SP(0-99) slow-fast |  |
| AT.10 | SP(0-99) slow-fast |  |
| DMX | d.(1-512) |  | Address setting | DMX mode |
| PRES | Stag |  | Standard (11CH) |
| ArC.1 |  | 3CH |
| Ar1.d |  | 4CH |
| ArC.2 |  | 4CH |
| Ar2.d |  | 5CH |
| Ar2.S |  | 6CH |
| HSV |  | 3CH |
| Id | Id.(01-66) |  |  | ID setting |
| SET | REST | \*\*\*\* | Reset factory value | Local settings |
| IDSW | ON | ID function is turned on |
| OFF | Invalid ID function |
| BSW | ON | White balance setting is valid |
| OFF | White balance setting is valid |
| CURE | CUR0 | Dimming push rod straight line |
| CUR1 | Dimming pusher curve1 |
| CUR2 | Dimming pusher curve2 |
| CUR3 | Dimming pusher curve3 |
| DIM | OFF | Dimming delay - no |
| DIM1 | Dimming delay - the fastest |
| DIM2 | Dimming delay - fast |
| DIM3 | Dimming delay - slow |
| DIM4 | Dimming delay - slowest |
| POWS | ON | Power protection |
| OFF | Full power |
| CAL1 | RED | 25-255 |  | White balance setting |
| GREEN | 25-255 |  |
| BLUE | 25-255 |  |
| KEY | ON |  |  | Key lock setting |
| OFF |  |  |
| TEMP | -25℃-100℃ |  |  | temperature display |
| PWMF | 1.2-24K |  |  | Refresh rate setting |

note:

1. After the DMX signal is connected in the static mode or the automatic mode, when the console signal is received, it will automatically switch to the DMX receiving mode, and then switch back to the original mode after disconnecting the DMX signal.

1. Channel mode description

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| STAG |  |  | |  | |
| channel | Numerical value | control function | | description | |
| 1 | 0-255 | 0~100% | | Total dimming | |
| 2 | 0-255 | 0~100% | | White light1 | |
| 3 | 0-255 | 0~100% | | White light2 | |
| 4 | 0-255 | 0~100% | | White light3 | |
| 5 | 0-255 | 0~100% | | White light4 | |
| 6 | 0-10 | no function | | Predefined color and color temperature | |
| 11-30 | Red 100%, Green0-100%, Blue 0% | |
| 31-50 | Red 100-0%, Green 100%, Blue 0% | |
| 51-70 | Red 0%, Green 100%, Blue 0-100% | |
| 71-90 | Red 0%, Green 100-0%, Blue 100% | |
| 91-110 | Red 0~100%, Green 0%, Blue 100% | |
| 111-130 | Red 100%, Green 0%, Blue 100-0% | |
| 131-150 | Red 100%, Green 0-100%, Blue 0-100% | |
| 151-170 | Red 100-0%, Green 100-0%, Blue 100% | |
| 171-200 | Red 100%, Green 100%, Blue 100% | |
| 201-205 | Colour temperature1 | |
| 206-210 | Colour temperature2 | |
| 211-215 | Colour temperature3 | |
| 216-220 | Colour temperature4 | |
| 221-225 | Colour temperature5 | |
| 226-230 | Colour temperature6 | |
| 231-235 | Colour temperature7 | |
| 236-240 | Colour temperature8 | |
| 241-245 | Colour temperature9 | |
| 246-250 | Colour temperature10 | |
| 251-255 | Colour temperature11 | |
| 7 | 0-13 | no function (0Hz) | | Strobe | |
| 14-255 | 1~20Hz | |
| 8 | 0-20 | no function | | Self-propelled control | |
| 21-30 | Auto1 | |
| 31-40 | Auto2 | |
| 41-50 | Auto3 | |
| 51-60 | Auto4 | |
| 61-70 | Auto5 | |
| 71-80 | Auto6 | |
| 81-90 | Auto7 | |
| 91-100 | Auto8 | |
| 101-110 | Auto9 | |
| 111-120 | Auto10 | |
| 121-255 | Sound (Sound active mode) | |
| 9 | 0-255 | Self-propelled speed regulation, (slow to fast) | | Self-propelled speed | |
| 10 | 0-5 | According to the menu settings | | Dimming speed setting | |
| 6-55 | Dimming effect - off | |
| 56-105 | The fastest dimming delay (DIM1) | |
| 106-155 | Fast dimming delay (DIM2) | |
| 156-205 | Slow dimming delay (DIM3) | |
| 206-255 | The dimming delay is the slowest (DIM4) | |
| 11 | 0-9 | ID1-ID66 | | ID selection | |
| 10-19 | ID1 | |
| 20-29 | ID2 | |
| 30-39 | ID3 | |
| ... | ... | |
| 200-209 | ID20 | |
| 210 | ID21 | |
| 211 | ID22 | |
| ... | ... | |
| 255 | ID66 | |
| ARC.1 |  |  |  | |
| channel | Numerical value | Channel function |  | |
| 1 | 0-255 | 0-100%，red | White light 1 | |
| 2 | 0-255 | 0-100%，green | White light 2 | |
| 3 | 0-255 | 0-100%，blue | White light 3 | |
|  |  |  |  | |
| AR1.D |  |  |  | |
| channel | Numerical value | Channel function |  | |
| 1 | 0-255 | 0-100%，Total dimming |  | |
| 2 | 0-255 | 0-100%，red | White light 1 | |
| 3 | 0-255 | 0-100%，green | White light 2 | |
| 4 | 0-255 | 0-100%，blue | White light 3 | |
|  |  |  |  | |
| ARC.2 |  |  |  | |
| channel | Numerical value | Channel function |  | |
| 1 | 0-255 | 0-100%，red | White light 1 | |
| 2 | 0-255 | 0-100%，green | White light 2 | |
| 3 | 0-255 | 0-100%，blue | White light 3 | |
| 4 | 0-255 | 0-100%，White | White light 4 | |
|  |  |  |  | |
| AR2.D |  |  | |  | |
| channel | Numerical value | Channel function | |  | |
| 1 | 0-255 | 0-100%，Total dimming | |  | |
| 2 | 0-255 | 0-100%，red | | White light 1 | |
| 3 | 0-255 | 0-100%，green | | White light 2 | |
| 4 | 0-255 | 0-100%，blue | | White light 3 | |
| 5 | 0-255 | 0-100%，White | | White light 4 | |
|  |  |  | |  | |
| AR2.S |  |  | |  | |
| channel | Numerical value | Channel function | |  | |
| 1 | 0-255 | 0-100%，Total dimming | |  | |
| 2 | 0-255 | 0-100%，red | | White light 1 | |
| 3 | 0-255 | 0-100%，green | | White light 2 | |
| 4 | 0-255 | 0-100%，blue | | White light 3 | |
| 5 | 0-255 | 0-100%，White | | White light 4 | |
| 6 | 0-255 | Strobe | |  | |
|  |  |  | |  | |
| HSV |  |  | |  | |
| channel | Numerical value | Channel function | |  | |
| 1 | 0-255 | H tone（0-100%） | |  | |
| 2 | 0-256 | S saturation（0-100%） | |  | |
| 3 | 0-257 | V brightness（0-100%） | |  | |