**I. Definition of Display Panel and Keys**



**Menu up and down confirmation**

**Menu key: select function**

**Up arrow: parameter increment**

**Down arrow: decreasing parameter**

**Confirm key: OK and save.**

**Second, the menu function**

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

**Menu menu:**

|  |  |  |  |
| --- | --- | --- | --- |
| A001 |  | A512 | Set the address code, modify the address code (A001~A512) up or down, and confirm to save. |
| CH7 |  | CH43 | Switch channels CH7, CH13 and CH43 up or down, and confirm to save. |
| M000 |  | M126 | There are 127 kinds of built-in effects. Modify the built-in effects up or down, and press OK to save. |
| S000 |  | S255 | Modify the running speed of the built-in effect up or down (S000~ S255), and confirm to save. |
| R255 |  | R000 | Modify the brightness of the red light bulb (R000~ R255) up or down, and confirm to save. |
| G255 |  | G000 | Modify the brightness of the green light bulb (G000~ G255) up or down, and confirm to save. |
| B255 |  | B000 | Modify the brightness of the blue light bulb (B000~ B255) up or down, and confirm to save. |
| W255 |  | W000 | Modify the brightness (W000~W255) of the white lamp bead up or down, and confirm to save. |
| Soud |  | Soud | Voice control mode. . |
| M000 |  | M255 | Adjust the parameters of Y-axis motor up or down (M000~ M255), and confirm to save. |
| T000 |  |  | Display the temperature, such as T045, indicating that the current lamp temperature is 45℃; 10K thermistor is not installed, and T000 is displayed. |

**Third, master-slave control**

**Two or more identical lamps and lanterns are connected by DMX three-core signal lines, all lamps and lanterns are set to any address code A001~A512, any one is set as the master, and other lamps and lanterns are set as the slave; When the master adjusts the effects of gradual change, pulse change, jump, voice control, dimming and self-walking, all slaves synchronize the effects of gradual change, pulse change, jump, voice control, dimming and self-walking.**

**Special attention: 1. Only one host can be set for a group of lamps. If there are multiple hosts, all lamps will flash without synchronization.**

**2. All lamps and lanterns must be used when the DMX512 console is closed.**

**Fourth, the factory settings**

**In case of any address code from A001~A512, press the menu key for 5 seconds to enter the factory setting. Factory settings mainly include the functions of each output power of lamps and lanterns, fan setting mode, setting temperature protection point and sending parameters. The factory sets any mode and presses the menu button for 5 seconds to exit.**

**Factory setting mode table:**

|  |  |  |  |
| --- | --- | --- | --- |
| R255 |  | R032 | Modify the red bulb current (R032-R255) up or down, and confirm to save. |
| G255 |  | G032 | Modify the green bulb current (G032-G255) up or down, and confirm to save. |
| B255 |  | B032 | Modify the blue bulb current (B032-B255) up or down, and confirm the key to save. |
| W255 |  | W032 | Modify the white bulb current (W032-W255) up or down, and confirm to save. |
| M000 |  | M255 | Modify the operating speed of Y-axis motor up or down (M000~ M255), and confirm to save. |
| FAN0 |  | FAN1 | Fan setting: FAN0 will start the fan when it is powered on, and FAN1 will start the fan when it reaches the set temperature protection point. Press the Enter key to save. |
| T040 |  | T070 | Modify the temperature parameter (40℃~70℃) up or down, and press the Enter key to save. |
| Send |  | Send | Send the factory setting parameters of this machine up or down to all other lamps with three-core signal lines connected in parallel; Press the menu button for 5 seconds to confirm the sending parameters, and press the confirm button to cancel the sending if the parameters are denied. |

**V. DMX512 console**

**Set the address codes of all lamps and lanterns after power-on, and then connect all lamps and lanterns to DMX512 console in parallel with three-core signal lines. The address codes will stop flashing, indicating that DMX512 console signals have been sent to lamps and lanterns, and use DMX512 console to control related functions according to each channel description.**

**CH7 channel description:**

|  |  |  |
| --- | --- | --- |
| **passage** | **Channel value** | **fundamental function** |
| one | 000-255 | Y axis motor |
| 2 | 000-255 | Y-axis motor speed |
| three | 000-255 | Linear dimming of red lamp beads. |
| four | 000-255 | Linear dimming of green lamp beads. |
| five | 000-255 | Linear dimming of blue lamp beads. |
| six | 000-255 | Linear dimming of white lamp beads. |
| seven | 000-255 | Reset: when the parameter value is 150-255, the whole machine is reset. The parameter value of the console must be pulled below 10 before being pushed to 150-255, and it is useless when the parameter value is 000-149, so it cannot be reset. |

**CH13 channel description:**

|  |  |  |
| --- | --- | --- |
| **passage** | **Channel value** | **fundamental function** |
| one | 000-255 | Y axis motor |
| 2 | 000-255 | Y-axis motor speed |
| three | 000-255 | Total dimming |
| four | 000-255 | stroboscopic |
| five | 000-255 | Linear dimming of red lamp beads. |
| six | 000-255 | Linear dimming of green lamp beads. |
| seven | 000-255 | Linear dimming of blue lamp beads. |
| eight | 000-255 | Linear dimming of white lamp beads. |
| nine | 000-255 | model |
| 10 | 000-255 | speed |
| 11 | 000-255 | background color |
| 12 | 000-255 | Background tone light |
| 13 | 000-255 | Reset: when the parameter value is 150-255, the whole machine is reset. The parameter value of the console must be pulled below 10 before being pushed to 150-255, and it is useless when the parameter value is 000-149, so it cannot be reset. |

**CH43 channel description:**

|  |  |  |
| --- | --- | --- |
| **passage** | **Channel value** | **fundamental function** |
| one | 000-255 | Y axis motor |
| 2 | 000-255 | Y-axis motor speed |
| three | 000-255 | The first red light bulb is linearly dimmed. |
| four | 000-255 | The first green light bulb is linearly dimmed. |
| five | 000-255 | The first blue light bulb is linearly dimmed. |
| six | 000-255 | The first white light bulb is linearly dimmed. |
| … | … | … … |
| 39 | 000-255 | Linear dimming of the tenth red lamp bead |
| 40 | 000-255 | Linear dimming of the tenth green lamp bead |
| 41 | 000-255 | Linear dimming of the tenth blue lamp bead |
| forty-two | 000-255 | Linear dimming of the tenth white lamp bead |
| 43 | 000-255 | Reset: when the parameter value is 150-255, the whole machine is reset. The parameter value of the console must be pulled below 10 before being pushed to 150-255, and it is useless when the parameter value is 000-149, so it cannot be reset. |

**Sixth, the model effect**

|  |  |  |
| --- | --- | --- |
| **Channel value** | **Mode code** | **effect** |
| **0-1** | **0** | neutrality |
| **2-3** | **one** | Effect 1 |
| **4-5** | **2** | Effect 2 |
| **6-7** | **three** | Effect 3 |
| **8-9** | **four** | Effect 4 (color selection, adjustable front and background color) |
| **10-11** | **five** | Effect 5 |
| **12-13** | **six** | Effect 6 (color selection, adjustable front and background color) |
| **14-15** | **seven** | Effect 7 |
| **16-17** | **eight** | Effect 8 (color selection, adjustable front and background color) |
| **18-19** | **nine** | Effect 9 |
| **20-21** | **10** | Effect 10 (color selection, adjustable front and background color) |
| **22-23** | **11** | Effect 11 |
| **24-25** | **12** | Effect 12 (color selection, adjustable front and background color) |
| **26-27** | **13** | Effect 13 |
| **28-29** | **14** | Effect 14 (color selection, adjustable front and background color) |
| **30-31** | **15** | Effect 15 |
| **32-33** | **16** | Effect 16 (color selection, adjustable front and background color) |
| **34-35** | **17** | Effect 17 |
| **36-37** | **18** | Effect 18 (color selection, adjustable front and background color) |
| **38-39** | **19** | Effect 19 |
| **40-41** | **20** | Effect 20 (color selection, adjustable front and background color) |
| **42-43** | **21** | Effect 21 |
| **44-45** | **22** | Effect 22 (color selection, adjustable front and background color) |
| **46-47** | **23** | Effect 23 |
| **48-49** | **24** | Effect 24 (color selection, adjustable front and background color) |
| **50-51** | **25** | Effect 25 |
| **52-53** | **26** | Effect 26 (color selection, adjustable front and background color) |
| **54-55** | **27** | Effect 27 |
| **56-57** | **28** | Effect 28 (color selection, adjustable front and background color) |
| **58-59** | **29** | Effect 29 |
| **60-61** | **30** | Effect 30 (color selection, adjustable front and background color) |
| **62-63** | **31** | Effect 31 |
| **64-65** | **32** | Effect 32 (color selection, adjustable front and background color) |
| **66-67** | **33** | Effect 33 |
| **68-69** | **34** | Effect 34 (color selection, adjustable front and background color) |
| **70-71** | **35** | Effect 35 |
| **72-73** | **36** | Effect 36 (color selection, adjustable front and background color) |
| **74-75** | **37** | Effect 37 |
| **76-77** | **38** | Effect 38 (color selection, adjustable front and background color) |
| **78-79** | **39** | Effect 39 |
| **80-81** | **40** | Effect 40 (color selection, adjustable front and background color) |
| **82-83** | **41** | Effect 41 |
| **84-85** | **forty-two** | Effect 42 (color selection, adjustable front and background color) |
| **86-87** | **43** | Effect 43 |
| **88-89** | **forty-four** | Effect 44 (color selection, adjustable front and background color) |
| **90-91** | **45** | Effect 45 |
| **92-93** | **46** | Effect 46 (color selection, adjustable front and background color) |
| **94-95** | **47** | Effect 47 |
| **96-97** | **48** | Effect 48 (color selection, adjustable front and background color) |
| **98-99** | **forty-nine** | Effect 49 |
| **100-101** | **50** | Effect 50 (color selection, adjustable front and background color) |
| **102-103** | **51** | Effect 51 |
| **104-105** | **fifty-two** | Effect 52 (color selection, adjustable front and background color) |
| **106-107** | **53** | Effect 53 |
| **108-109** | **54** | Effect 54 (color selection, adjustable front and background color) |
| **110-111** | **55** | Effect 55 |
| **112-113** | **fifty-six** | Effect 56 (color selection, adjustable front and background color) |
| **114-115** | **57** | Effect 57 |
| **116-117** | **58** | Effect 58 (color selection, adjustable front and background color) |
| **118-119** | **59** | Effect 59 |
| **120-121** | **60** | Effect 60 (color selection, adjustable front and background color) |
| **122-123** | **61** | Effect 61 |
| **124-125** | **62** | Effect 62 (color selection, adjustable front and background color) |
| **126-127** | **63** | Effect 63 |
| **128-129** | **64** | Effect 64 (color selection, adjustable front and background color) |
| **130-131** | **65** | Effect 65 |
| **132-133** | **66** | Effect 66 (color selection, adjustable front and background color) |
| **134-135** | **67** | Effect 67 |
| **136-137** | **sixty-eight** | Effect 68 (color selection, adjustable front and background color) |
| **138-139** | **sixty-nine** | Effect 69 |
| **140-141** | **70** | Effect 70 (color selection, adjustable front and background color) |
| **142-143** | **71** | Effect 71 |
| **144-145** | **seventy-two** | Effect 72 (color selection, adjustable front and background color) |
| **146-147** | **73** | Effect 73 |
| **148-149** | **74** | Effect 74 (color selection, adjustable front and background color) |
| **150-151** | **75** | Effect 75 |
| **152-153** | **76** | Effect 76 (color selection, adjustable front and background color) |
| **154-155** | **77** | Effect 77 |
| **156-157** | **seventy-eight** | Effect 78 (color selection, adjustable front and background color) |
| **158-159** | **79** | Effect 79 |
| **160-161** | **80** | Effect 80 (color selection, adjustable front and background color) |
| **162-163** | **81** | Effect 81 |
| **164-165** | **82** | Effect 82 (color selection, adjustable front and background color) |
| **166-167** | **83** | Effect 83 |
| **168-169** | **84** | Effect 84 (color selection, adjustable front and background color) |
| **170-171** | **eighty-five** | Effect 85 |
| **172-173** | **86** | Effect 86 (color selection, adjustable front and background color) |
| **174-175** | **87** | Effect 87 |
| **176-177** | **88** | Effect 88 (color selection, adjustable front and background color) |
| **178-179** | **eighty-nine** | Effect 89 |
| **180-181** | **90** | Effect 90 (color selection, adjustable front and background color) |
| **182-183** | **91** | Effect 91 |
| **184-185** | **92** | Effect 92 (color selection, adjustable front and background color) |
| **186-187** | **93** | Effect 93 |
| **188-189** | **94** | Effect 94 |
| **190-191** | **95** | Effect 95 |
| **192-193** | **96** | Effect 96 |
| **194-195** | **97** | Effect 97 |
| **196-197** | **98** | Effect 98 |
| **198-199** | **99** | Effect 99 |
| **200-201** | **100** | Effect 100 |
| **202-203** | **101** | Effect 101 |
| **204-205** | **102** | Effect 102 |
| **206-207** | **103** | Effect 103 |
| **208-209** | **104** | Effect 104 |
| **210-211** | **105** | Effect 105 |
| **212-213** | **106** | Effect 106 |
| **214-215** | **107** | Effect 107 |
| **216-217** | **108** | Effect 108 |
| **218-219** | **109** | Effect 109 |
| **220-221** | **110** | Effect 110 |
| **222-223** | **111** | Effect 111 |
| **224-225** | **112** | Effect 112 |
| **226-227** | **113** | Effect 113 |
| **228-229** | **114** | Effect 114 |
| **230-231** | **115** | Effect 115 |
| **232-233** | **116** | Effect 116 |
| **234-235** | **117** | resultant effect |
| **236-237** | **118** | Effect 118 |
| **238-239** | **119** | Effect 119 |
| **240-241** | **120** | Effect 120 |
| **242-243** | **121** | Effect 121 |
| **244-245** | **122** | Effect 122 |
| **246-247** | **123** | Effect 123 |
| **248-249** | **124** | Effect 124 |
| **250-251** | **125** | Effect 125 |
| **252-253** | **126** | Effect 126 |
| **254-255** | **127** | Effect 127 |

**Seven, technical parameters:**

Voltage: AC100~240V 50/60HZ

Power: 10\*30W(320W)

Lamp beads: 10 four-in-one LED lamp beads

Control mode: DMX512, self-propelled, master-slave, voice control and RDM function.

Channels: CH7, CH13 and CH43

Dimming: 32bit 0~100% linear dimming

Features: y shake head+beam+flash.

Working temperature: -30 ~50℃

Strobe frequency: 1~30HZ

Appearance: metal, black

Connection mode: DMX512 input/output/power input/output.

IP grade: IP20

Size: weight: