

Color V-Tube Controller



User Manual

Please read these instructions carefully before use

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1. Safety Introductions



WARNING

Please read the instructions carefully which includes important information about the installation, operation and maintenance.

- Please keep this user manual for future consultation.
- Unpack and check carefully there is no transportation damage before using the fixture.
- Ensure the voltage and frequency of power supply match the power requirements.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- Disconnect main power before service and maintenance.
- Maximum ambient temperature is Ta : 40°C. Don't operate it where the temperature is higher than this.
- Stop using the fixture immediately when malfunction. Never try to repair the fixture by yourself. Please contact the nearest authorized technical assistance center.
- Do not touch any wire during operation and there might be a hazard of electric shock.
- There are no user serviceable parts inside the fixture.

2. Technical Specifications

• Power supply

AC: 120V 60Hz or 230V/240V/250V 50/60Hz

Power consumption : 15 Watts

• LED

Total 144pcs, (Red 48pcs, Green 48pcs, Blue 48pcs)

• **Dimension** : 153 × 95 × 52 mm

• **Weight** : 3 kg

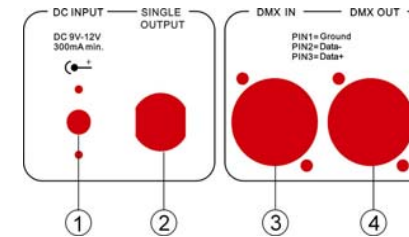
3. Overview

3.1 Front View



- | | |
|-----------|---------------------------------------|
| 1. ON/OFF | Turn on/off the power |
| 2. MENU | Select the programming functions |
| 3. DOWN | Go backward in the selected functions |
| 4. UP | Go forward in the selected functions |
| 5. ENTER | Confirm the selected functions |

3.2 Rear View

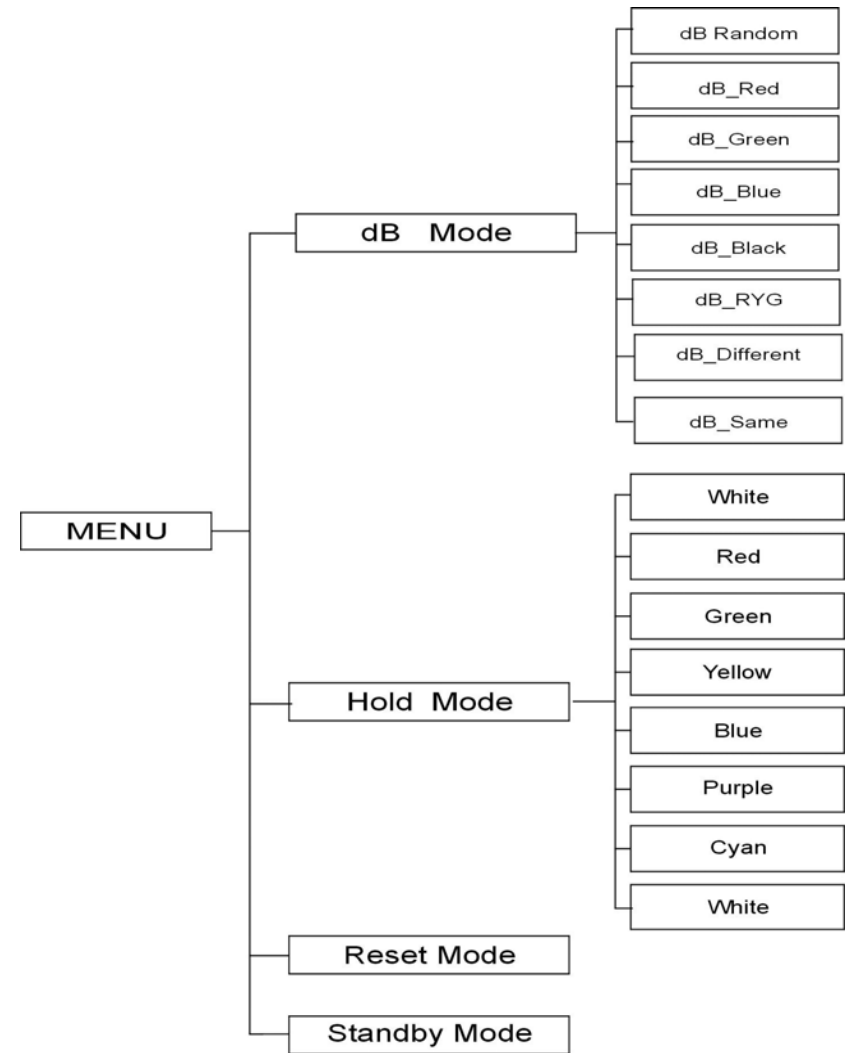
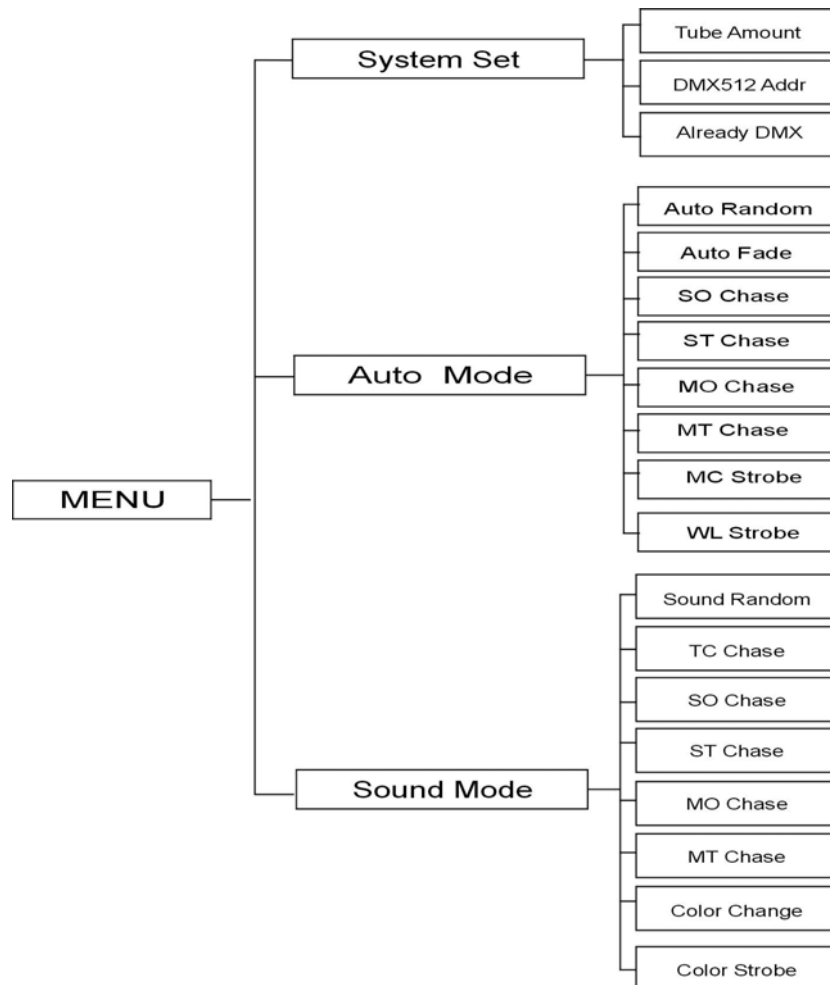


- | | |
|------------------|-------------------------------|
| 1. DC INPUT | DC 9V-12V, 300mA min. |
| 2. SINGLE OUTPUT | Output DC 24V 300W max. |
| 3. DMX IN | Set DMX value to the fixture. |
| 4. DMX OUT | Set DMX value to the fixture. |

4.How to control the unit

4.1 Main Function

Press the **ENTER** button and turn jog wheel until the required function is shown on the monitor. Use the jog wheel to change the mode. Once the required mode has been selected, press the **ENTER** button to setup or it will automatically return to the main functions without any change after idling 10 seconds. To go back to the previous functions without any change press the **ESC** button. The main functions are shown below:



DMX 512 System Setting

Press the **ENTER** button until **System setting** is shown on the display. Use **DOWN** and **UP** button to select (Tube Amount) or (DMX512 address) or (Already DMX) mode. Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press **MENU** button again.

Auto Mode

Press the **ENTER** button until **Auto Mode** is shown on the display. Use **DOWN** and **UP** button to select **Auto Random** / **Auto Fade** / **SO chase** (Single color in one way chase) / **ST chase** (Single color in two way chase) or **MO chase** (Multicolor in one way chase) / **MT chase** (Multicolor in two way chase) / **MC strobe** (Multicolor strobe) / **WL strobe** (Strobe in white light) mode. Once the mode has been selected, press **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press **MENU** button again.

Sound Mode

Press the **ENTER** button until **Sound Mode** is shown on the display. Use **DOWN** and **UP** button to select **Sound Random** / **TC chase** (Two color in chase) / **SO chase** (Single color in one way chase) / **ST chase** (Single color in two way chase) or **MO chase** (Multicolor in one way chase) / **MT chase** (Multicolor in two way chase) / **Color change** / **Color strobe** mode. Once the mode has been selected, press the **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press **MENU** button again.

dB Mode

Press **ENTER** button until **dB Mode** is shown on the display. Use **DOWN** and **UP** button to select **dB Random** / **dB_Red** (dB chase in red base) / **dB_Green** (dB chase in green base) or **dB_Blue** (dB chase in blue base) **dB_Black** (dB chase in black base) / **dB_RYG** (db chase in red/yellow/green base) / **dB_Different** (dB chase in different base) / **dB_Same** (dB chase in same base) mode. Once the mode has been selected, press **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press **MENU** button again.

Hold Mode

Press **ENTER** button until **Hold Mode** is shown on the display. Use **DOWN** and **UP** button to select **White** / **Red** / **Green** / **Yellow** or **Blue** / **Purple** / **Cyan** / **White** mode. Once the Mode has been selected, press **ENTER** button to setup or automatically return to the main functions without any change after 8 seconds. To go back to the functions without any change press **MENU** button again.

Reset Mode

Press **ENTER** button until **Reset Mode** is shown on the display. Pressing **ENTER** button and the unit will run Reset automatically. To go back to the functions press **MENU** button again.

Standby Mode

Press **ENTER** button until **Standby Mode** is shown on the display. Select (Yes) option and all channels of unit will return to their original setting. To go back to the functions press **MENU** button again.

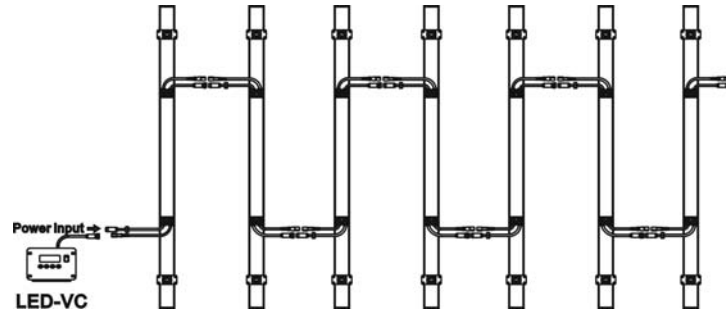
5.DMX512 Configuration

DMX512 CONFIGURATION					
Ch1	Ch2				Ch3
Mode	Patten				Speed/direction
255	Auto mode	Sound mode	dB mode	Hold mode	231-255 solw ☆☆☆☆☆ ←
219	Strobe in white light	Color strobe	dB Chase in same base	White	206-230 solw ☆☆☆☆ ←
191	Multicolor strobe	Color change	dB Chase in different base	Cyan	180-205 solw ☆☆☆ ←
183	Multicolor in two way chase	Multicolor in two way chase	dB Chase in RYG base	Purple	154-179 solw ☆☆ ←
146	Multicolor in one way chase	Multicolor in one way chase	dB Chase in black base	Blue	128-153 fast ☆ ←
127	Single color in two way chase	Single color in two way chase	dB Chase in blue base	Yellow	102-127 fast ☆ →
109	Single color in one way chase	Single color in one way chase	dB Chase in green base	Green	76-101 solw ☆☆ →
72	Auto Fade	Two color in chase	dB Chase in red base	Red	50-75 solw ☆☆☆ →
63					25-49 solw ☆☆☆☆ →
35					0-24 solw ☆☆☆☆☆ →
0					

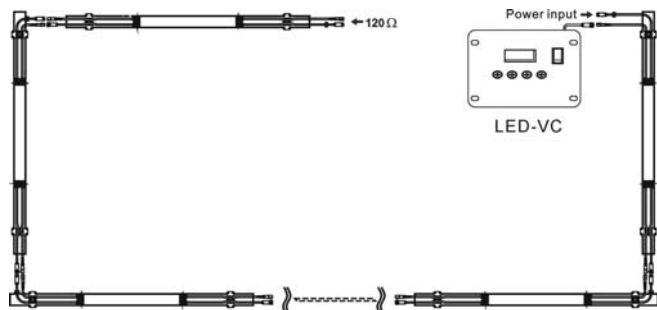
6. Installation

LED-VC could be link as below schema.

pic 1



pic 2



7. Fixture Cleaning

Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the fixture's optics.

- Clean with soft cloth using normal glass cleaning fluid.
- Always dry the parts carefully.

EC Declaration of Conformity

We declare that our products (lighting equipments) comply with the following specification and bears CE mark in accordance with the provision of the Electromagnetic Compatibility (EMC) Directive 89/336/EEC.

EN55014-2: 1997 A1:2001, EN61000-4-2: 1995; EN61000-4-3:2002;
EN61000-4-4: 1995; EN61000-4-5: 1995, EN61000-4-6:1996,
EN61000-4-11: 1994.

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Harmonized Standard

EN60598-1: 2000+ALL:2000+A12:2002
Safety of household and similar electrical appliances
Part 1 : General requirements

Innovation, Quality, Performance