



## **4Ray**

### **User Manual**



**Thank you for choosing our LED effect light. For safety, please read this user's manual carefully before use.**

**I. Installation:**

- 1. This light can will operate under voltage conditions of AC100V~~230V/50Hz/60Hz.
- 2. Only use this product in a well-ventilated environment.
- 3. Always keep this light at least 0.5 meters from any flammable materials.
- 4. Never install, dismantle, or maintain this light when it is powered.
- 5. The packing list of this light is as follows:
  - 1) Light -----1 pcs
  - 2) Power Cable-----1 pcs
  - 3) User's Manual-----1 pcs

**II. Product Description**

This product uses high-intensity LED's as the light source, which are rich in color, shock-proof, long lasting. It has low heat output and low power consumption. It can project a variety of patterns on the floor, ceiling, walls, or through smoke/haze. It has several modes, including: sound active, master, slave mode, automatic, or DMX512. It features electronic dimming from 0-100%, strobe from fast to slow, and large range of the light output. Internal programs and DMX channel are set by DIP switches.

**III. Instructions:**

This unit has a variety of operating modes. To change the mode, press the button "Enter". With each press of the "Enter" button, the unit will cycle through the following six modes.

**1. DMX Operation (d.001):** If you have a DMX controller and DMX cable (neither included), you may operate the unit remotely. To use DMX mode, set the DMX start channel for this unit to match the DMX start channel on the controller. The default is at channel 1 (d.001). You may adjust the start channel by pressing "UP" or "DOWN" and the pressing "ENTER" when the desired channel is obtained. The DMX channels that may be manipulated by the controller are:

- Channel 1 Built-in function selector
  - Channel 1 Values
  - 0-2 Off
  - 3-227 Scanning Modes
  - 228-251 Synchronous Mode
  - 252-255 Sound Active Mode
- Channel 2 Produces different patterns
- Channel 3 Adjusts the speed of pattern changes
- Channel 4 Strobe and strobe speed



2. **Single-Direction Scanning (FF.00):** Unit scans in one direction only.
3. **Reverse Scan (CC.00):** Unit scans back and forth.
4. **Strobe (EE.00):** Strobing Frequency.
5. **Master Function (Deoo):** Sets the types of patterns that will be displayed.
6. **Sound Active Mode (SoUD):** Unit will respond loud noises in the environment.

**IV. Master/Slave:** If you have multiple units and DMX cables to connect them together (not included), you may utilize the Master/Slave feature. First, daisychain all units together using XLR cable. The first unit in the chain is the master. Operate it as described in the above section. For the other units, set them to receive DMX signal on channel 1 (d.001). Whatever the master unit does, the slave units will mimic.

#### **V. Fixture Cleaning:**

Due to fog residue, smoke and dust cleaning the internal and external optical lenses and mirror should be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates (i.e. Smoke, fog residue, dust, dew). In heavy club use we recommend cleaning on a monthly basis. Periodic cleaning will ensure longevity, and crisp output.

1. Use normal glass cleaner and a soft cloth to wipe down the out-side casing.
2. Use a brush to wipe down the cooling vents and fan grill.
3. Clean the external optics and mirror with glass cleaner and a soft cloth every 20 days.
4. Clean the internal optics with glass cleaner and a soft cloth every 30-60 days.
5. Always be sure to dry all parts completely before plugging the unit back in.

#### **V. Technical Parameters (5mm LEDs)**

1. **Operating Voltage:** AC90V~240V, 50Hz/60Hz;
2. **Lamp:** 192 LED's, 48 Red, 48 Green, 48 Blue, 48 white
3. **Power:** 20W;
4. **Control Signal:** DMX512, or via digital LCD display
5. **Control Channel:** 4 CH
6. **Net Weight:** 4 kg
7. **Gross Weight:** 4.5 kg
8. **Packing Dimensions:** 57.5x37.5x25 cm

