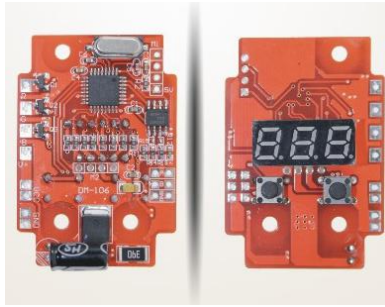


3CH DMX512 decoder



Model: DM-106

Size: 36*68*15mm

Output current: 2A/CH

Work voltage: DC12/24V

Signal: DMX512

Gray levels: 255

Characteristics

Protocol:

Adopting the international standard DMX512 protocol (1990), with strong humility;

Transmission:

RS485 differential transmission, with high anti-dry worry, long transmission distance, convenient wiring and so on;

Lightning protection:

It has lightning protection, anti-static, and stable and reliable circuit.

Grayscale:

0-100% dimming, 256*256*256 grayscale;

Power supply:

DC power supply

Power-on:

no impact at boot (the LED is completely off at boot time), protect the LED;

Product function description

Working in parallel:

Each module is connected in parallel, and an amplifier is required every 32 modules (this number is the theoretical value, which is subject to the engineering field test), and each module is set to a unique address (can be written by a code writer);

Operating mode:

When the DMX512 controller is connected, it will change according to the effect of the controller. When the DMX512 controller is not connected, the built-in effect (seven color jump and gradient) will be automatically run; in the serial mode, when the main controller is not connected, A decoder can automatically become the master to achieve synchronous online changes;

Application

Mainly used in high-power full-color wall washers, floodlights, buried lights, underwater lights, stage lights, tunnel lights, etc.

Functional description

- ◆ 7 colors are always on: 9 levels of brightness adjustment of seven colors of red, yellow, green, cyan, blue, purple and white.
- ◆ 7-color jump: seven colors alternately change, 9-level speed adjustment
- ◆ 7 color gradient: seven color gradients, 9 speed adjustment
- ◆ 7-color strobe: seven colors in turn strobe, 9-speed adjustment
- ◆ Master-slave connection: multiple projectors are connected together, and the slave and the host change synchronously.
- ◆ DMX dimming: multiple spotlights are assigned DMX addresses respectively, and their output changes according to the data of the DMX console.
- ◆ Digital tube display: When working normally, the digital tube alternately displays the DMX512 address of about 3s, and the user mode of 2s is set;
- ◆ 2 signal self-identification: When DMX signal is connected, it automatically receives DMX512 signal and decodes it. When there is no DMX512 signal in 4S, it will execute the program set by the user.

Built-in effect: 10 kinds

Second No.		Third No.
No.	Function	
1	Red	1-9 brightness levels
2	Yellow	1-9 brightness levels
3	Green	1-9 brightness levels
4	Cyan	1-9 brightness levels
5	Blue	1-9 brightness levels
6	Purple	1-9 brightness levels
7	White	1-9 brightness levels
8	Seven color jumping	1-9 speed levels, 1=slow, 9=fast
9	Seven color fading	1-9 speed levels, 1=slow, 9=fast
A	Seven color strobing	1-9 speed levels, 1=slow, 9=fast

Setting method:

Press and hold the setting button to enter the setting state. At this time, the corresponding digit of the digital tube will flash. When the up key is pressed, the corresponding digit will be increased by one. Then press the setting button, the digital tube will move to the next digit. Cycle, after setting, long press the setting button to save the current setting value and exit. If the setting is wrong, there will be “Err” prompt when exiting, and you need to re-set it correctly to save and exit.

Stand-alone mode built-in effect

DMX mode address setting

Each luminaire occupies 3 consecutive DMX channels (corresponding to red, green, and blue colors), including the starting channel value. For example, when the address is 001, the DMX channel is occupied by 1, 2, and 3. When the address is 3, the number of occupied channels is 3,4,5;

Master-slave online setup

The online synchronization function connects the adjacent lamps DMX connectors together, and supplies power to each lamp. One of the lamps is set as the host (P.), and the other lamps are set as the slave (P). Only one host can be set, and the function that is synchronized is the stand-alone function set by the host.

Work mode prioritization

From high to low: DMX mode - master-slave mode - stand-alone mode