

**STECHNICS**

# User Manual

**LED PANEL LIGHT**

**RECTANGLE 100BI**



**V 1.2**

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# 1 Technical Parameters

## 1.1 Electrical Parameters

Input Voltage: 100-240AC 50/60HZ

Power Consumption: 100W

Control Signal: DMX512

Control Channel: 4 channels

DMX input/output interface: XLR 5PIN

Power Interface: Three rectangle/square structure

## 1.2 Optical Parameters

Light Source: 0.5W LED lamps 5600K 256pcs, 3200K 256pcs

Color (Light Source): Cool White and Warm white mixed

Color Temperature: 3200K~5600K adjustable ( can be fixed  
3200K,4000K,5000K,5600K)

Color Rendering Index:  $\geq 96$

Beam Angle: 120°

Luminous Flux: 6000LM

Dimmer: 0-100%

Strobe: 0-20Hz

## 1.3 Mechanical and physical parameters

Case Material: Aluminum/plastic

Protection Grade: IP20

Working Temperature: -20~40°C

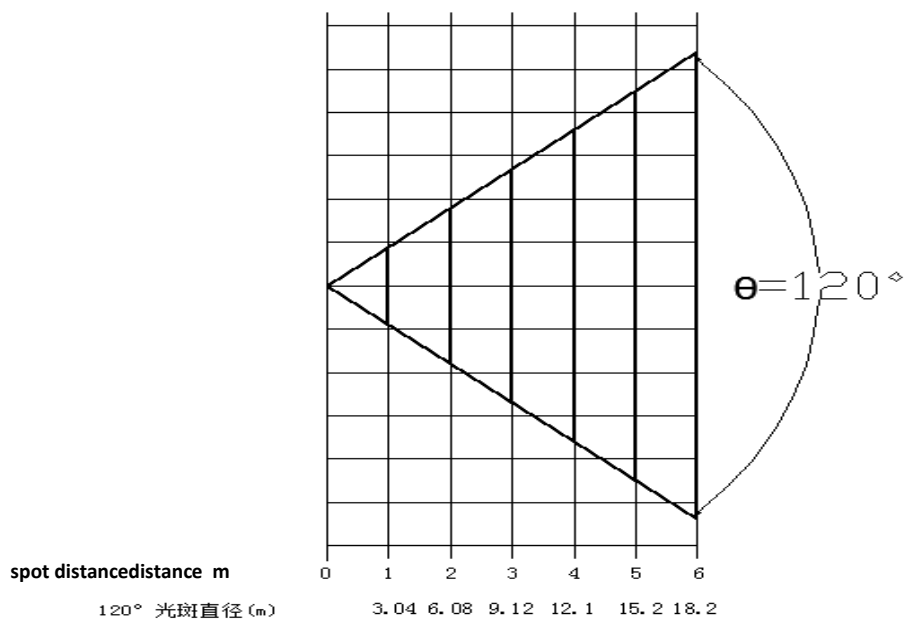
Noise: 0db

Net Weight: 8KG

Dimension: 518\*510\*134mm

## 2Illumination Chart

3200K	(1x)	3261	720	312	176	116	84
5600K	(1x)	3813	837	364	206	132	95



## 3 Safety Warning

### **Notice:**

- Professional technical people required to install and maintain this equipment.
- This equipment has passed strict inspection before delivery.
- Users have to obey the safety and notice guide.
- Supplier won't afford the accidents and losses that don't operate the fixture according to the operation guide and change it without permission.

### **Important Notice:**

- Make sure the power supply within the standard data range.
- The fixture's power connection line can't connect to any other fixtures.
- The fixture's DMX512 connection line can't connect to any other fixtures' DMX512 signal.
- Make sure the fixture is appropriately earthed before use this fixture safely.
- Yellow-green line is earthed line, select the eligible power socket to make sure the safety and operation; Or cut off the plug and connect the switch directly.
- To avoid the hard collision when installation, using or moving the fixture.

# 4 Installation

## 4.1 Power Connection

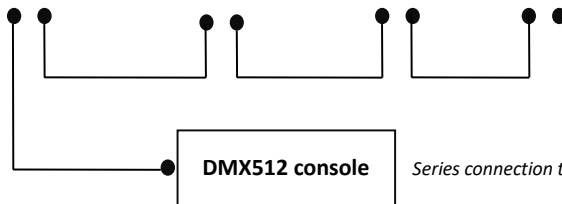
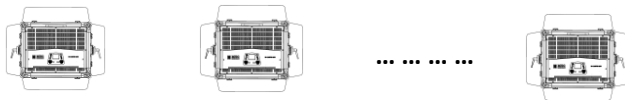
- Power cable use 1.5 mm<sup>2</sup> copper core.
- DMX512 signal cable connect 20pcs fixtures Max; When the distance between console and fixture, or distance between two fixtures, longer than 50M then add a signal amplifier is very necessary.
- Recommend to plug a terminal in signal output socket of the last fixture, which connected in the end of each signal transmission line. To weld a 120Ω / 1W resistor between the male plug 2 and 3 feet to make a terminal plug. The usage is to reduce the reflected wave interference caused by the end of control signal cable's circuit open.

## 4.2 DMX512 Console Connect

- ◇ Serial connect the DMX512 console and signal cable.
- ◇ DMX512 address code is reusable.
- ◇ DMX512 address code can be any number between 001 to 512.

DMX Addr1

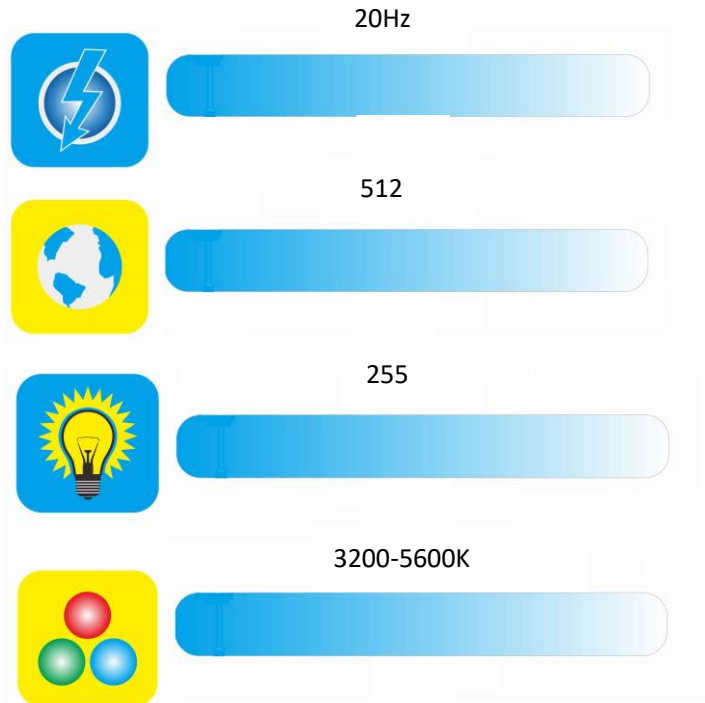
DMX Addr8



Series connection the console with lighting  
, Series connection the lighting with

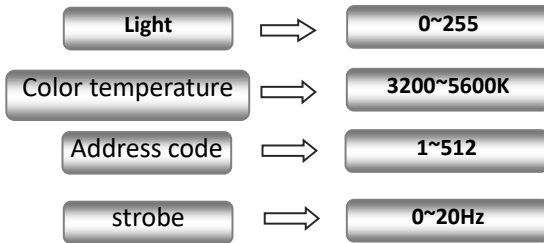
# 5 Operation

## 5.1 Display Window



- Item 1:Strobe
- Item 2:Address code
- Item 3:Luminance
- Item 4:Color Temperature

## 5.2 Menu



- light: 0~255
- color temperature: 3200~5600K adjustable
- address code: 1~512
- strobe: 0~20Hz

## 5.3 Operation method

- ENTER: Enter into *[ADDR]* & *[STRO]*
- MENU: Return to *[LIGHT]* & *[TEMP]*
- 3200 KEY: Select color temperature 3200K
- 4000 KEY: Select color temperature 4000K
- 5000 KEY: Select color temperature 5000K
- 5600 KEY: Select color temperature 5600K



## 6 DMX512 Channels

Channel Number	Channel value	Command function
1	0~255	white 0~100% dimmer
2	0~255	CCT :3200K~5600K
3	0~5	No function
	6-255	0~20Hz Strobe
4	0~10	Inbuilt dimmer speed
	10~39	inear Dimmer speed 4
	40~69	Linear Dimmer speed 3
	70~99	Linear Dimmer speed 2
	100~129	Linear Dimmer speed 1
	129~255	Turn off Linear Dimmer

## 7 CONFIGURATION NOTES

Power Supply Cable x 1pc

Signal Cable x 1pc  
Safety Rope x 1pc  
User Manual x 1pc  
Barn Door x 1set (optional)  
standard Power Cable x1pc



