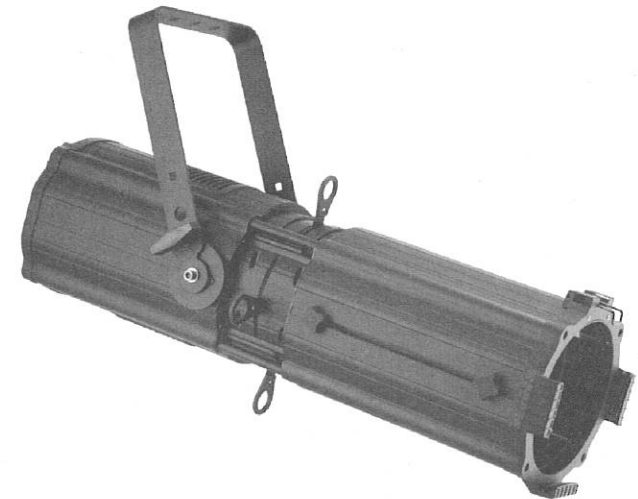


# **LED ZOOMING AND IMAGING SPOT 200**

## USER MANUAL

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## INTRODUCTION

Thank you for having chosen a LED zooming and imaging spot 200, You will see you have acquired a powerful and versatile device.

Unpack your led LED zooming and imaging spot 200

Delivery includes

Gobo Frame	1PC
Color Frame	1PC
DMX CABLE	1PC
Power Wire	1PC
User Manual	1PC

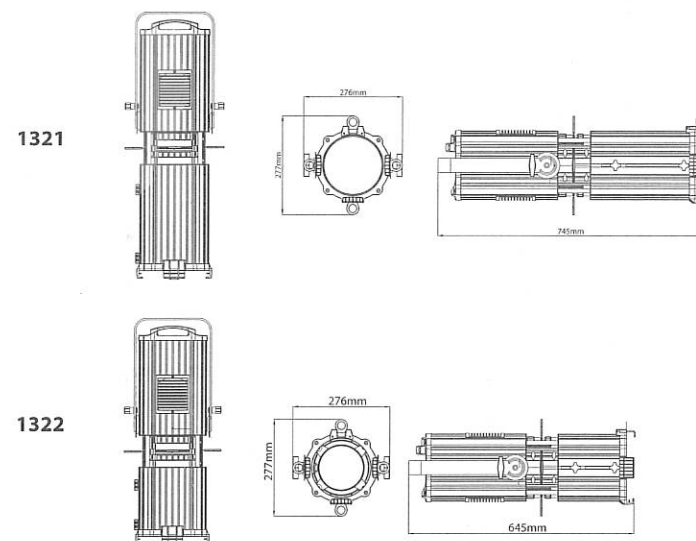
## DESCRIPTION OF THE DEVICE.

### 1. Profile

With the idea of enegy saving and enviroment protection, the device use lower power loss and extremely high efficiency led. The device housing cover is made of used the new high strength heat resistance engineering plastics, with beautiful shape and smooth lines. The designing and manufacturing is in compliance with the IEC standard. The device is suitable in the large-scale theatrical performance, the theater, the performance hall, the bar, night club and so on.

The product conforms to the international standard DMX512 agreement completely, the device can be controlled in single, and also be controlled in many units.

### 2. Overview

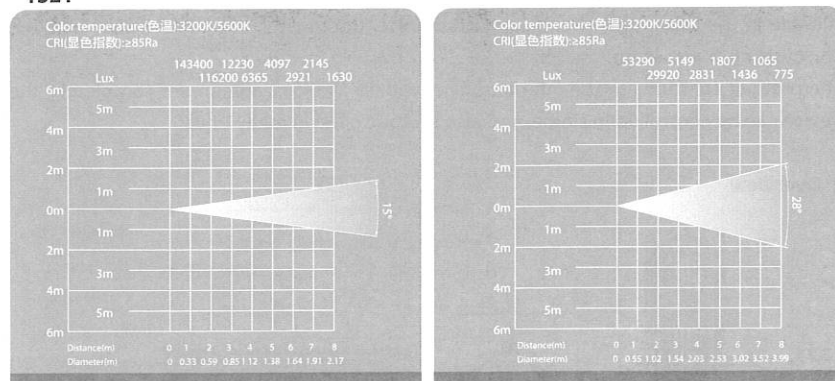


### 3. SPECIFICATION

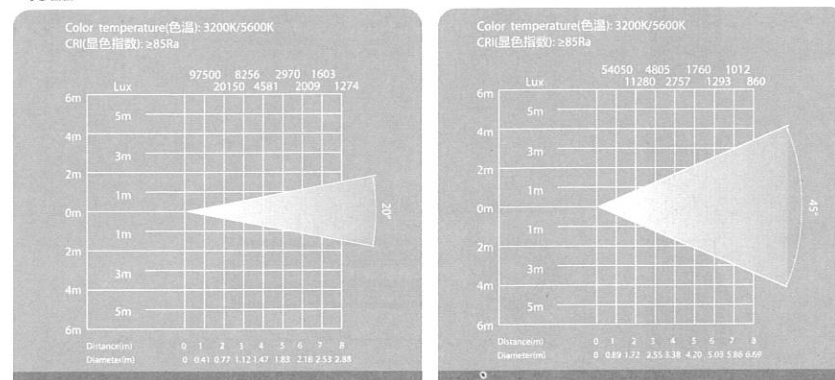
- Power Supply: AC100V-240V, 50/60Hz
- LEDs: COB, 200W, White
- Luminous flux: 17000lm/18000lm
- Dimmer: 0-100%Dimmer Intensity
- Adjustable Beam angle: 15°-28°(1321) / 20°C-45°C (1322)
- Strobe: 1-20 Flash per second
- Display: LCD screen display
- The signal input and output: XLR 3Pin and XLR 5Pin
- Control mode: the international standard DMX512 signal
- Channel mode: 1 channels or 2 channels
- Protection grade: IP20
- N.W.: 10.2kgs G.W.: 12.5kgs (1321) / N.W.: 9.2kgs G.W.: 11kgs (1322)
- Dimensions (LxWxH): 800x305x310mm
- Power Consumption: 250W
- Color Temperature: 3200K/5600K
- CRI: ≥85Ra
- LED life: >50,000H
- Cooling system: heat pipe with no noise fan
- Use environment temperature: -20°C-45°C

### 4. Photographic chart

#### 1321



#### 1322



### 5. Safety warning

#### ①Warning:

- Every person involved with the installation, operation and maintenance of this device has to be qualified
- User must follow the instructions of this manual
- Unqualified person can not open the housing cover and operate the device, or the dealer will not accept liability for any resulting defects or problems.
- The device against rain and moisture

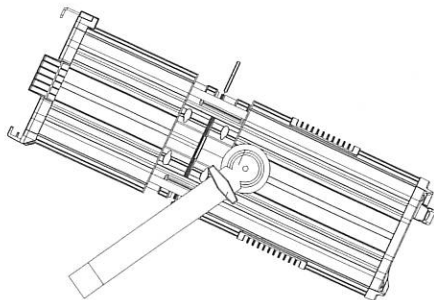
#### ②Warning notes:

- Power supply: AC100V-240V,50HZ/60HZ
- Make sure the power switch is off, the power plug, outlet and the earth connection is in well condition before connecting the device with the mains.
- Please use qualified power plug and outlet. Never connect the power cord of this device with other electrical equipment.
- During move and installation, make sure the device not crashed with metal parts and other tough materials.
- Always disconnect from the mains, when the device is on installation and dismantled
- The minimum distance between light-output and the illuminated surface must be more than 50cm.
- The device must only be installed on a non-flammable surface. In order to safeguard sufficient ventilation, leave 50 cm of free space around the device. Please note that heat-sensitive objects may be deformed or damaged by the emitted heat.
- During the operation the housing becomes very hot! Do not operate the device for 15 minutes after switching off.
- The maximum ambient temperature  $T_a = 45^\circ\text{C}$  must never be exceeded. The maximum housing temperature  $T_b = 80^\circ\text{C}$  must never be exceeded.
- For indoors use.
- Replace any visible cracked protective shield, filters and lens.
- The protective shield, filters and lens will require weekly cleaning as smoke/fluid tends to building up residues, reducing the light output very quickly.

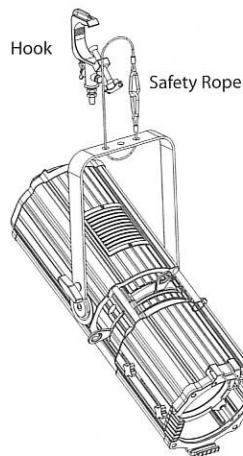
### INSTALLATION

#### 1. Installation

- When installation, keep the device far away the heat sensitive objects and explosives sensitive objects, leave at least 50CM of free space around the device.
- When the device put on horizontal place, the device must be placed directly on the place, and devices must be secured with a mounting holder.



- When rigging the devices on the truss and the head face to the floor. Insert the quick-lock fasteners of the first mounting holder into the respective holes on the bottom of the device. Tighten the quick-lock fasteners fully clockwise. Install the second mounting holder. And the safety rope must be used at same time.

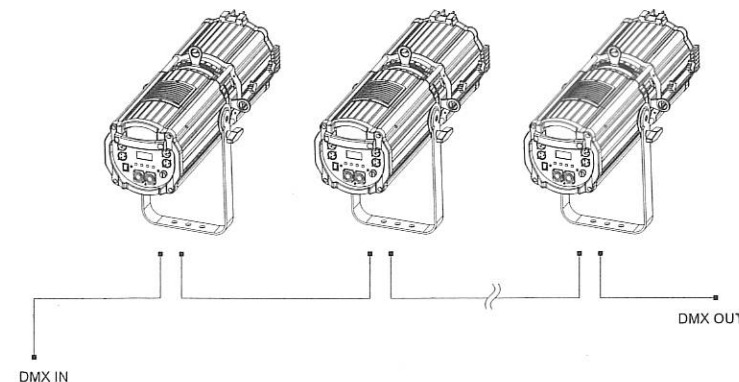


- Please use qualified safety-rope, which can hold at least 10 times the weight of the fixture. You must only use safety-ropes with quick links with screw cap. Pull the safety-rope through the hole on the bottom of the base and over the trussing system etc. Insert the end in the quick link and tighten the fixation screw. A safety rope which already hold the strain of a crash or which is defective must not be used again.

## 2. Dmx512 connection

- Please use xlr-xlr wires connect the dmx output of the controller with the dmx input of the first device, and connect the dmx output of the first device with the dmx input of

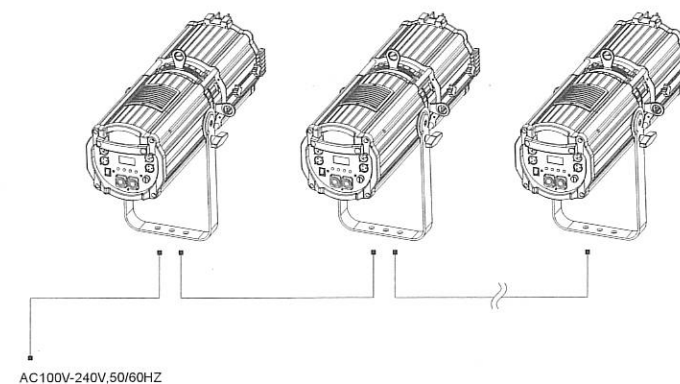
the second device, always connect one output with the input of the next device until all devices are connected.



- Please use qualified xlr-xlr dmx cables.

## 3.Connection with mains

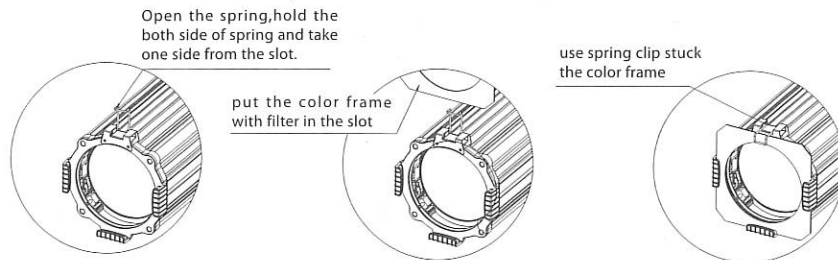
- The person involved with the power connection must be qualified, and has the electrical engineering certificate.
- Connect the device to the mains with the power plug.
- The earth has to be connected.
- Power consumption 250W, input power supply AC100V-240V, 50/60Hz



**Important note:** the specification of power line is 3G1.5 with a maximum current 13A, when power is 200V-240V, use grey plug power interconnection on the device, each group do not exceed 10 sets of equipment; when power is 100V-120V, each interconnect please do not exceed 5 sets of equipment!

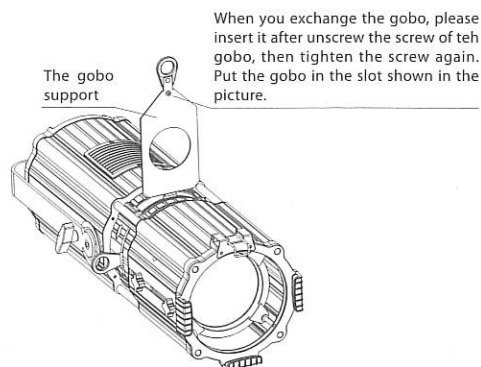
#### 4. The use of color frame

- Take out the color frame , loose the screws, insert the color and lock the screws again
- Insert the color frame in the slot.



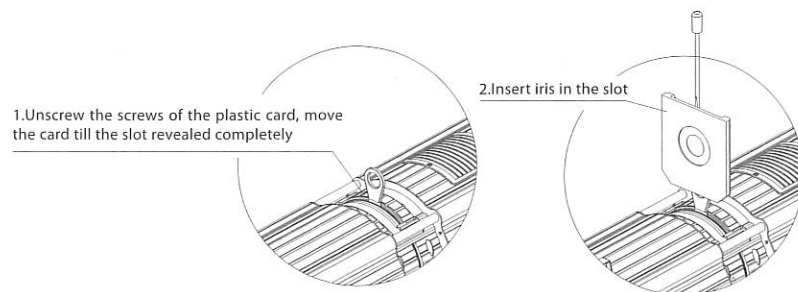
#### 5. The use of gobo frame

- Take out the gobo frame , loose the screws, insert the gobos and lock the screws again
- Insert the gobo frame in the slot.



#### 6. Use iris

Iris is not included when the projector leave factory, user can purchase the iris if needed. Loose the screws and insert the iris.



#### 7. Replacing fuse

- Before replacing the fuse, unplug mains lead.
- Procedure:

Step 1: Unscrew the fuseholder on the rearpanel with a fitting screwdriver from the housing (anti-clockwise).

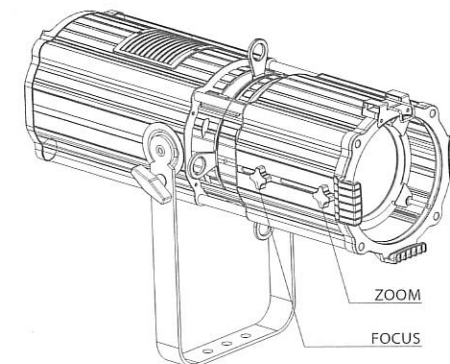
Step 2: Remove the old fuse from the fuseholder.

Step 3: Install the new fuse in the fuseholder.

Step 4: Replace the fuseholder in the housing and fix it.

#### 8. Focus and Zoom

- when switch on the device and light the lamp, loosen the two screws of focus and zoom, and move the screws, to make the best spot image, then retighten the two screws of focus and zoom
- When the projection distance is changed, user can follow previous operating steps, and focus the projector



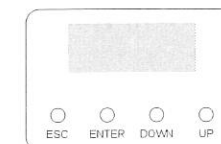
#### 9. Dimmer

● This equipment is dimming is 0-100% linear dimming, which can be adjusted through DMX512 signal, in the absence of DMX signal can be adjusted through the device menu "ManDim"! But the dimming DMX512 signal is priority, when signal input, manual dimming is invalid, in order to realize manual light, you must disconnect DMX-input!

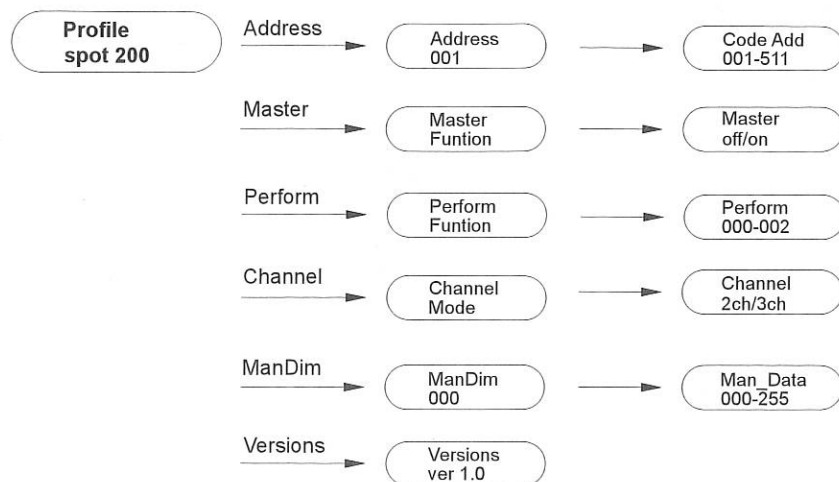
#### OPERATION

##### 1. Description of the keys

- ESC;
- ENTER;
- DOWN;
- UP.



## 2. Menu



### Important notice:

*This equipment is dimming DMX512 signal priority, when the input signal, the "ManDim" is invalid; as in the menu by light, please cut off the input DMX512 signal!*

## 3. Basic setting.

- When turned on, the device shows [Profile spot 200], then press [ENTER] key to enter the menu settings.
- [Address 001] is the default setting, Presss [ENTER] key into and select [Code Add 001], Use the [Up] and [down] keys to select required address [001 – 511] and press to confirm or to cancel and return to the main menu. presss [ESC] key to return and confirm;
- Presss [UP] key to select [Master Function], presss [ENTER] key into [Master off/on], Use the [Up] and [Down] keys to select [Master off] or [Master on], press [ESC] to return and confirm;
- Presss [UP] key to select [Perform Function], presss [ENTER] key into and use the [Up] and [Down] keys to select [Perform 000-002], press [ESC] to return and confirm;
- Presss [UP] key to select [Channel Mode], presss [ENTER] key into and use the [Up] or [DOWN] key to select [Channel 1ch/2ch], press [ESC] to return and confirm;
- Presss [UP] key to select [ManDim 000], presss [ENTER] key into and use the [Up] or [DOWN] key to select [Man\_Data 000-255], press [ESC] to return and confirm;

## 4.Dmx protocol

CHANNEL		NUMERIC	EFFECT
1	1	000—255	Dimmer intensity 0-100%
	2	0	Shutter open
		1—127	Strobe effect with increasing speed
		128—159	Sudden effect with increasing speed
		160—191	Pulse effect with increasing speed
		192—255	Random effect with increasing speed

## APPENDIX

### Problem and solution

Problem	Reason	Resolution
Device not work	No power	AC100V-240V,50HZ/60HZ Check the power connection, and make sure device connect the mains in well condition. Check if switch is on Check if the fuse is good
Led bulb is off	led bulb damaged	Replacing led bulb
	Led driver board damaged	Replacing led driver board
	temperature swtich damaged	Replacing temperature switch
Fans not work	Fans damaged	replacing fans

### Caution:

- Unqualified person involved with installation, operation and maintenance of this device is prohibited.
- If any above mentioned problem happened, or unknown problem happened, please contact manufactory or distributor for assistance.