# Product manual



# LED 200 BEAM

# 1   SECURITY TIPS

> **WARNING!!! To reduce the risk of fire, electric shock, or injury to persons, follow these important safety instructions:**

- non-professionals, not to disassemble the light arbitrarily and lighting accessories inside.
- rated voltage range: AC110V-120V/60Hz or AC200V-240V / 50HZ (to be selected).
- not beam irradiate the flammable materials, flammable materials and the lamp should be maintained at least 1M over the distance.
- lamps used in ambient temperature: -15 ℃ -40 ℃, the highest temperature of the surface of the lamp: 60 ℃.
- to keep away from the liquid substance and humid environment.
- before using the lights must ensure the good grounding, can not install charging and remove any parts.
- the installation of lamps, must be fixed screw fasteners with additional security cable and regular inspection.
- lamps consecutive working hours is not recommended more than 10 hours.
- should stop using the lights in time when happens unusual conditions during the process
- lamp parts of the rotation, external accessories and paste parts should be regular inspected, such as the emergence of loose and rock, should be reinforced in a timely manner to prevent the accident.

- lamps adopt strong winds to refrigerate, it is easy to accumulate the dust, so you have to clean it weekly especially the cooling air opening, otherwise the dust will plug leading to poor light

# 2    TECHNOLOGY REFERENCE

Input voltage: AC100-240V, 50/60HZ
Power Consumption: 300W
Light source: 200W white light LED module
Average life of the light source: 20,000 + hours
Color temperature: 7000-8000K
Control mode: master and slave, DMX, manual
DMX Channel:12/15 Channels
Support for the RDM function, and the DMX software upgrade function
Color Wheel:12 colors + white light, with a rainbow effect, can be arbitrarily positioned
Gobo Wheel: 1 fixed pattern wheel, 14 patterns + white light hole, Shake the effect of running water
Colorful Wheel: an independent 6 color wheel, can achieve the pattern of rainbow effect
Prism : 8 / 16 prism, bidirectional rotation
Angle : Pan =540°，Tilt= 270°,with 16bit scan accuracy, Automatic reset
Atomizing mirror: Atomizing diffuser
Beam angle: 2.2°
Strobe: synchronous pulse frequency strobe, random pulse frequency strobe
Focus: the pattern can be adjusted arbitrarily clear
Appearance: high-strength and temperature-resistant engineering plastic shell, streamlined appearance design
Menu display: 1.77-inch color LCD display, Both Chinese and English display, can be inverted display
Protection: efficient heat dissipation system, full temperature monitoring, automatic protection of over temperature
Ambient temperature: 0°C-45°C
Cooling system: forced air cooling
Protection level: IP20
Dimensions: 12.6"x9.1"x20"in
Weight: 12KG

# 3 Board Instruction

| Address(地址) | 001-512 | | | |
|---|---|---|---|---|
| RUN(运行) | DMX512 | | | |
| | Auto1(自走 1) | | | |
| | Auto2(自走 2) | | | |
| | Sound1(声控 1) | | | |
| | Sound2(声控 2) | | | |
| TEST(测试) | ALL(整灯测试) | | | |
| | Pan&Tilt(X/Y 测试) | | | |
| SET(设置) | Disp.setting(显示设置) | Display(屏幕保护) | ON/OFF(开/关) | |
| | | Filp display(显示翻转) | ON/OFF(开/关) | |
| | | Key lock(按键锁设置) | ON/OFF(开/关) | |
| | | Disp flash(显示闪烁设置) | ON/OFF(开/关) | |
| | | Back light(背光亮度) | 1-50 | |
| INFO(信息) | Time Info(时间信息) | Total Fix. Hours(总计使用时间) | XXXX:XX | |
| | | Partial Fix. Hours(本次使用时间) | XXXX:XX | |
| | | Total Lamp Hours(总计亮灯时间) | XXXX:XX | |
| | | Partial Lamp Hour(本次亮灯时间) | XXXX:XX | |
| | Software Ver(软件版本号) | Vx.xx | | |

| MANUAL(手动) | Pan(X 轴) | 000-255 |
|---|---|---|
| | Pan Fine(X 轴微调) | 000-255 |
| | Tilt(Y 轴) | 000-255 |
| | Tilt Fine(Y 轴微调) | 000-255 |
| | Speed(速度) | 000-255 |
| | Dimmer(总调光) | 000-255 |
| | Strobe(频闪) | 000-255 |
| | Colour Wheel(颜色盘) | 000-255 |
| | Gobo Wheel(图案盘) | 000-255 |
| | Prism1(棱镜 1) | 000-255 |
| | Prism2(棱镜 2) | 000-255 |
| | Focus(调焦) | 000-255 |
| | Reset(复位) | 000-255 |
| RESET(复位) | All Reset(整机复位) | No/Yes(否/是) |

# 4 DMX CHANNEL SHEET

| 16CH | Function | DMX Value | Description |
|------|----------|-----------|-------------|
| 1 | Pan | 0-255 | Pan |
| 2 | Pan Fine | 0-255 | Pan Fine |
| 3 | Tilt | 0-255 | Tilt |
| 4 | Tilt Fine | 0-255 | Tilt Fine |
| 5 | Speed | 0-255 | Pan/Tilt speed |
| 6 | Dimmer | 0-255 | Intensity 0 to 100% |
| 7 | Shutter/Strobe | 0-31 | Led turn off |
| | | 32-63 | Led turn on |
| | | 64-95 | Strobe effect slow to fast |
| | | 96-127 | Led turn on |
| | | 128-159 | Pulse-effect in sequences |
| | | 160-191 | Led turn on |
| | | 192-223 | Random strobe effect slow to fast |
| | | 224-255 | Led turn on |
| 8 | Colour Wheel | 0-127 | Continual positioning |
| | | 128 - 129 | Open/white |
| | | | *Positioning* |
| | | 130-134 | Colour 1 |
| | | 135-139 | Colour 2 |
| | | 140-144 | Colour 3 |

| | | 145-149 | Colour 4 |
|---|---|---|---|
| | | 150-154 | Colour 5 |
| | | 155-159 | Colour 6 |
| | | 160-164 | Colour 7 |
| | | 165-169 | Colour 8 |
| | | 170-211 | Forwards rainbow effect from fast to slow |
| | | 212-213 | No rotation |
| | | 214-255 | Backwards rainbow effect from slow to fast |
| 9 | Sta.Gobo Wheel | 0-5 | Open/hole |
| | | | ***Positioning*** |
| | | 6-14 | Gobo 1 |
| | | 15-23 | Gobo 2 |
| | | 24-32 | Gobo 3 |
| | | 33-41 | Gobo 4 |
| | | 42-50 | Gobo 5 |
| | | 51-59 | Gobo 6 |
| | | 60-68 | Gobo 7 |
| | | 69-77 | Gobo 8 |
| | | 78-86 | Gobo 9 |
| | | | ***Shaking gobos from slow to fast*** |
| | | 87-95 | Gobo 1 |
| | | 96-104 | Gobo 2 |
| | | 105-113 | Gobo 3 |

| | | 114-122 | Gobo 4 |
|---|---|---|---|
| | | 123-131 | Gobo 5 |
| | | 132-140 | Gobo 6 |
| | | 141-149 | Gobo 7 |
| | | 150-158 | Gobo 8 |
| | | 159-167 | Gobo 9 |
| | | 168-169 | Open/hole |
| | | 170-211 | Forwards gobo wheel rotation from fast to slow |
| | | 212-213 | No rotation |
| | | 214-255 | Backwards gobo wheel rotation from slow to fast |
| **10** | **Rot.GoboWheel** | 0-11 | Open/hole |
| | | | *Positioning* |
| | | 12-24 | Gobo 1 |
| | | 25-37 | Gobo 2 |
| | | 38-50 | Gobo 3 |
| | | 51-63 | Gobo 4 |
| | | 64-76 | Gobo 5 |
| | | 77-89 | Gobo 6 |
| | | | *Shaking gobos from slow to fast* |
| | | 90-102 | Gobo 1 |
| | | 103-115 | Gobo 2 |
| | | 116-128 | Gobo 3 |

| | | 129-141 | Gobo 4 |
|---|---|---|---|
| | | 142-154 | Gobo 5 |
| | | 155-167 | Gobo 6 |
| | | 168-169 | Open/hole |
| | | 170-211 | Forwards gobo wheel rotation from fast to slow |
| | | 212-213 | No rotation |
| | | 214-255 | Backwards gobo wheel rotation from slow to fast |
| 11 | **Gobo.Rot Wheel** | 0 - 127 | Gobo rotation and indexing |
| | | 128 - 191 | Forwards Gobo rotation from fast to slow |
| | | 192 - 193 | No rotation |
| | | 194 - 255 | Backwards Gobo rotation from slow to fast |
| 12 | **Frost** | 0 - 127 | Open position(hole) |
| | | 128 - 255 | Frost |
| 13 | **Prism1** | 0 - 127 | Open position(hole) |
| | | 128 - 192 | Prism1 |
| | | 193 - 255 | Forwards prism1   rotation from slow to fast |
| 14 | **Prism2** | 0 - 127 | Open position(hole) |
| | | 128 - 192 | Prism2 |
| | | 193 - 255 | Forwards prism2   rotation from slow to fast |
| 15 | **Focus** | 0-255 | Continual adjustment from near to near |
| 16 | **Reset** | 0-79 | No Function |

| | | 80-84 | Total reset |
| --- | --- | --- | --- |
| | | 85-88 | Pan/Tilt reset |
| | | 89-255 | Reserved |

# 5    FIXED EQUIPMENT

Please keep the equipment far away from the flammable objects like finishing material, etc. keep at least 0.5m distance from the flammable objects.

Warning: using two lamp clamps fix the equipment on the bottom of the lamp holder according to the instruction. to make sure the place of install the lamp is safe and suitable ,and the installation point that have chosen is safety and reliable.

The place of installing the lamp must support the 10 times weight of the lamp itself. And test the pensile place and make sure the place isn't out of the shape.

Must install the second protection when fixing the equipment like proper protective screening. The second protection is used to prevent drop off and lost of lamp and components.

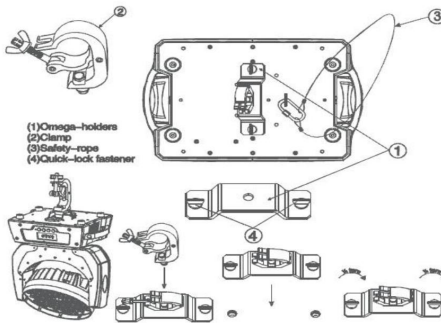Lamps can directly install the lamp holder , which is shown in the



figure:

(1)Omega–holders
(2)Clamp
(3)Safety–rope
(4)Quick–lock fastener

# 6    MAIN MACHINE CONNECTION

Please checking the power equipment supported.

Please put the plug of power source wire connect with the main power source .

| ( EU )Wire | Wire(America) | Direction of wire | General marks |
|---|---|---|---|
| Brown | Black | Live | L |
| Light blue | White | Neutral | N |
| Yellow/Green | Green | Earth | ⏚ |

✂

## Warranty Card

| Name | Model |  | Production | Purchase |
|------|-------|--|------------|----------|
|      |       |  |            |          |

| End User<br><br>Company Name:<br><br>Add: | Sale Store<br><br>Link man:<br>Tel:          Stamp |
|---|---|

Description: These must be truthfully fill, seal by the end-user and point-of-sale, or else the warranty will not work (warranty period and terms, see the following)

warranty period：one year since purchase warranty terms：1、If fail when using the product in normal state, you can made under the provisions of the warranty, show the warranty card and purchase bills(copy), and enjoy free maintenance service in a specific service center or the manufacturer.

2. The following will be the implementation of paid service:

(1)Without the effective warranty card

(2)There's blank, alter and no point-of-sale name

(3)Fail caused by unresistance

(4)Fail caused by transportation or unloading

(5)Fail caused by not operate by manual

(6)Fail caused by disassemble without unauthorized

(7)Fail caused by using the unauthorized control system

## Note:

Based on our company continue to improve the product, the statement containing data may have changed, and will not notice the change any more. Company retains its right to change specifications related when product is improved. Thanks for your understanding.