



Showco PARLED 100

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Manual del usuario

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Part 1 Product

1.1 Product introduction

This product is designed for indoor use. It is suitable for indoor building, disco, stage and etc. as large or small wash or effect lighting. This product can be operated as a single unit or in multiple units for large applications. Direct input of DMX512 signal to unit to allow it be controlled by any DMX512 controller. Powerful internal programs and friendly & convenient operation interface allow customers to program freely to any different lighting project requirements for installation or shows.

IMPORTANT

BEFORE OPERATION PLEASE CONFIRM THAT THE POWER SUPPLY STATED ON THE REAR PANEL OF THIS UNIT IS THE SAME AS THE SUPPLIED MAINS POWER IN YOUR AREA.

Check upon receipt

On receiving products, please carefully check that there has been no damage caused in transportation and that the following parts are enclosed:

1 X LP-336 LED PAR

1 X User manual

- **Additional spare parts may be supplied upon customer order**
- **READ THIS USER MANUL CAREFULLY BEFORE OPERATION.**

Safety Information



WARNING!
Read the safety precautions in this section before installing, powering, operating or servicing this product.

The following symbols are used to identify important safety information on the product and in this manual:



DANGER!
Safety hazard.
Risk of severe injury or death.



Warning!
LED light emission. Risk of eye injury.



Warning!
Refer to manual before installing, powering or servicing.



Warning!
Hazardous voltage. Risk of lethal or severe electric shock.



Warning!
Fire hazard.



Warning! Class 2M LED product. Do not look into the beam from a distance of less than 40 cm (16 inches). Do not stare into the beam for extended periods at a short distance. Do not view the beam directly with optical instruments.



This product is for professional use only. It is not for household use.
This product presents risks of severe injury or death due to fire hazards, electric shock and falls.



PROTECTION FROM ELECTRIC SHOCK

- Shut down power to the entire installation at the building's main power distribution board and lock out power (by removing the fuse for example) before carrying out any installation or maintenance work.
- Disconnect the fixture from AC power before removing or installing any cover or part and when not in use.
- Always ground (earth) the fixture electrically.
- Use only a source of AC power that complies with local building and electrical codes and has both overload and ground-fault (earth-fault) protection.
- Connect this fixture to AC power either using the supplied power cable or via 3-conductor cable that is rated minimum 20 amp, hard usage. Suitable cable types include ST, SJT, STW, SEO, SEOW and STO.
- The voltage and frequency at the power outlet are the same as the voltage and frequency applied to the power inlet. Only connect devices to the power outlet that accept this voltage and frequency.
- Before using the fixture, check that all power distribution equipment and cables are in perfect condition and rated for the current requirements of all connected devices.
- Do not use the fixture if the power cable or power plug are in any way damaged, defective or wet, or if they show signs of overheating.
- Do not expose the fixture to rain or moisture.
- Refer any service operation not described in this manual to a qualified technician.



PROTECTION FROM FIRE

- Do not attempt to bypass thermostatic switches or fuses. Replace defective fuses with ones of the specified type and rating only.
- Provide a minimum clearance of 0.1 m (4 in.) around fans and air vents.
- Do not modify the fixture or install other than genuine Martin parts.
- Do not stick filters, masks or other materials directly onto LEDs.
- Do not operate the fixture if the ambient temperature (T_a) exceeds 40° C (104° F).



PROTECTION FROM INJURY

- Do not hang fixtures from each other. Use one clamp per fixture when suspending.
- When suspending the fixture, ensure that the structure and all hardware used can hold at least 10 times the weight of all devices suspended from them.
- Use a secondary attachment (such as a safety cable) to secure each fixture. Secondary attachments must be able to hold at least 10 times the weight of all devices suspended from them and must be installed as described in this manual.
- Check that all external covers and rigging hardware are securely fastened.
- Block access below the work area and work from a stable platform whenever installing, servicing or moving the fixture.



- The LED emission presents a hazard to eyesight at a distance of 4 - 40 cm (1.6 - 16 inches) when the eye is exposed to the beam for longer than 0.25 seconds.
- Do not look at LEDs from a distance of less than 40 cm (1 ft. 4 in.) without suitable protective eyewear.
- Do not look at LEDs with magnifiers or similar optical instruments that may concentrate the light output.

1.2 Safety Warning

This product must be installed by a qualified professional

*** All operation and maintenance must be carried out in accordance with this user manual**

*** Always disconnect the power before attempting to open the equipment housing or carrying out any maintenance.**

*** Avoid looking directly into the light source (especially those who suffer from epileptic fits)**

*** DO NOT connect power cable of other electric products with this unit.**

*** DO NOT connect DMX512 Signal cable of other electric products with this unit.**

*** Make sure power socket is connected with earth cable well when connect to AC110-220V power. The earth cable of this unit is Yellow/Green on**

1.3 Technical specification

Voltage	AC90-259v, 50/60Hz
	AC230V----0.2A, AC115V---0.4A
Power	108W
Light Source	36 *3W LED lamp
	Red 12pcs, Green 12pcs, Blue 12pcs
Lifespan	around 100,000 hours
Beam angle	8 °、16°、25°、35 °、45° (standard 25 °)
Net Weight	5Kg
Size	34 x 31 x 22mm

Optical system: 1-256 grades electric adjustable, mini within 100msStrobe: at same step speed adjustable strobe, random electric strobe, pulse strobe Cooling system: Heat cycle cooling system with strong direct air .

● **Operation mode:**

Standard DMX512 signal (9 channels)

Intelligent ID addressing separately

Intelligent ID group addressing

● **Display panel:**

4-LED digital display DMX address code, test or run auto-programmes

● **Auto-mode:**

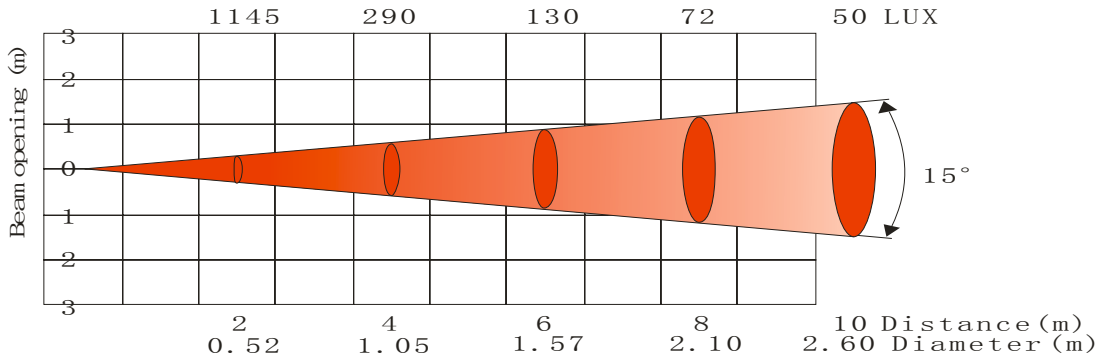
7 preset color change programs (Preset program parameters changeable by DMX console)

7 program parameters changeable

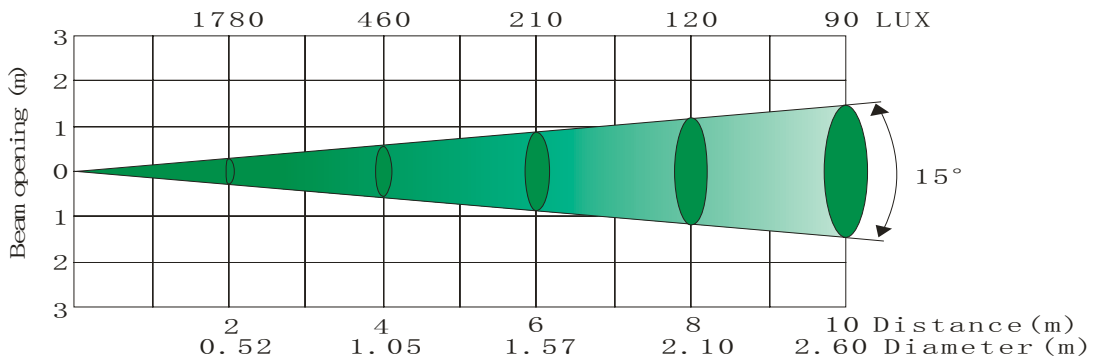
Master/Slave mode without DMX console

1.4 Photoelectric diagram

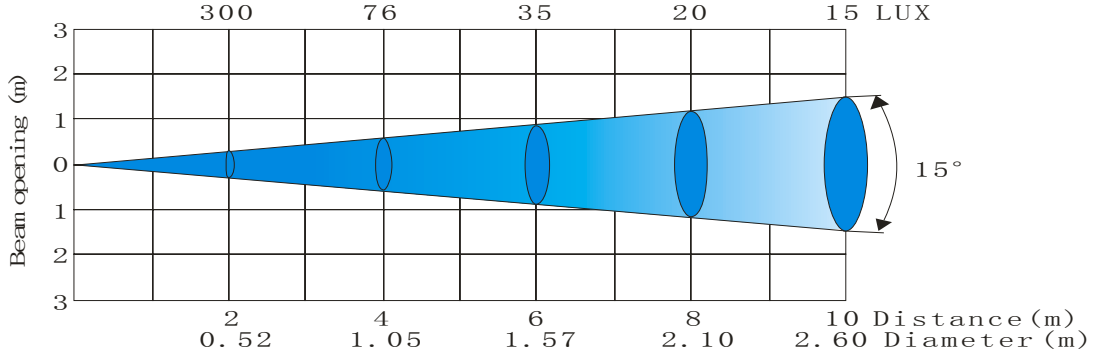
Red color



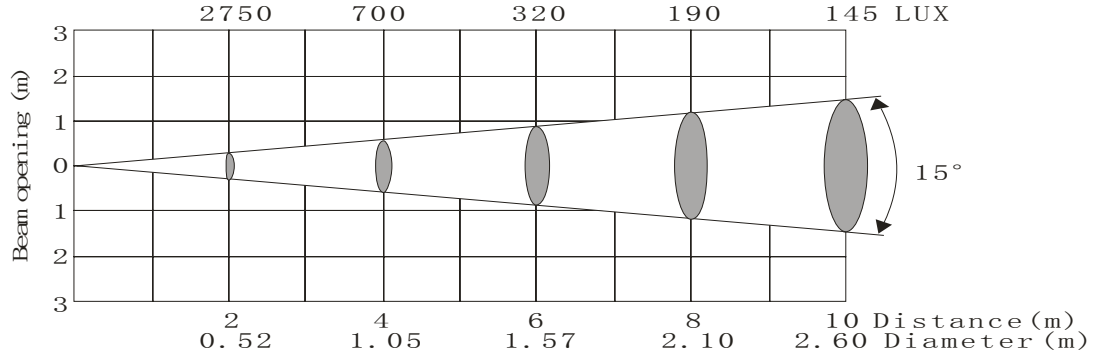
Green color



Blue color



White color



Part 2 Master/Slave & Using DMX Controller

Channel	Function & Effect	DMX Value
CH1	Dimmer 0~255%	0-255
CH2	RED 0~255%	0-255
CH3	GREEN 0~255%	0-255
CH4	BLUE 0~255%	0-255
CH5	COLOR MACRO (7 preset color effect)	0-255
CH6	AUTO PROGRAMS (7 preset programs & 7 edit programs)	0-255
CH7	Strobe	0-255
CH8	Program change time Program run time	0-127 128-255
CH9	IP ADDRESS	0-255

2.1 Software Profile

The system will loading the manufacturer's setting and show the information by the Digital Tube when it is opened by the first time . For checking the Digital tube function , you could also set up as below : SET→LOAD→ON .

Each time when you open the model , the system will show the manufacturer and the Software format (ATRT VER1.0, or you could press ESC pass by these information) ,then load the User's setting.

ADJ→CAL is White Balance' s calibrate Menu , it is for calibration the RGB Color (Using Software to calibrate the the

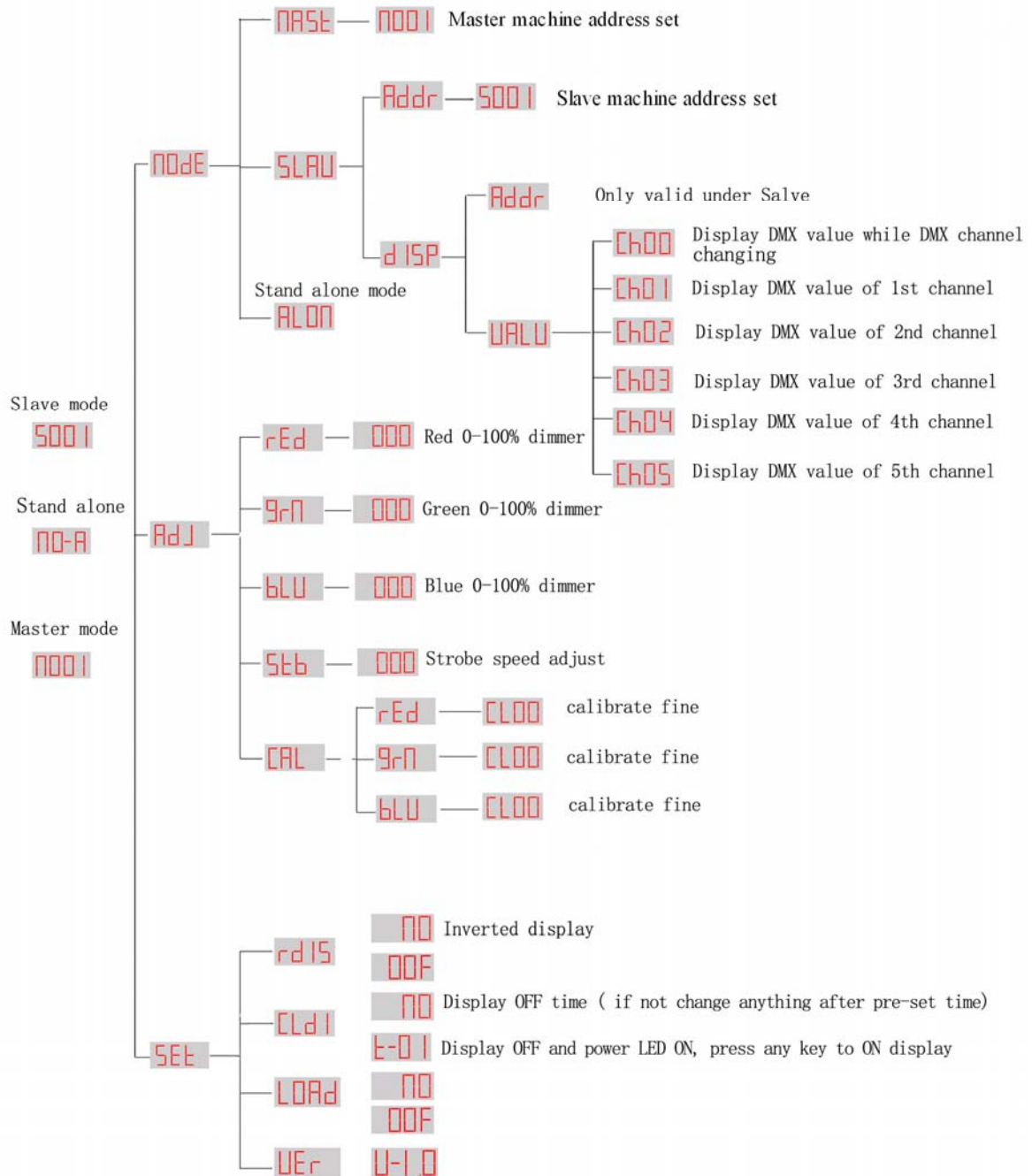
differents of the Hardware) , **SET→LOAD→0N** is not useful for this Menu (**ADJ → CAL**),So this menu with the Password management , only the persons who has got the Password could operate it .

During the Slave Mode (SXXX) or the Master (MXXX), when you press UP or DOWN , could enter the right DMX ADDRESS setting surface to meet the quickly amending DMX effect .

During No. Amending status , the Right No; will be shining , and Press UP or DOWN for 1.5 Sec , the No. will stop to shine , then could change the No. as soon as possible .

Part 3 Using Display Panel

3.1 Display Menu instruction



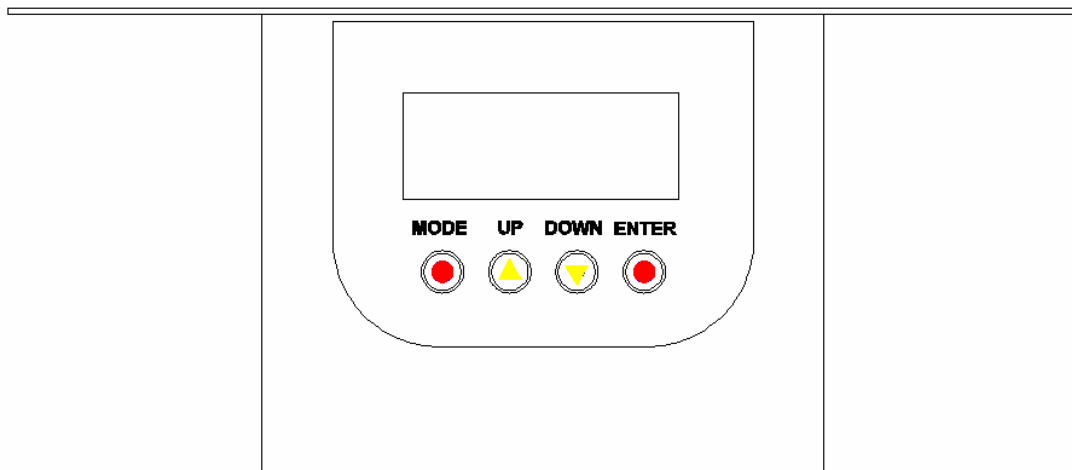
NOTES:



Function of 4 LED lamp on display panel—from left to right:

- 1, DMX signal LED lamp
- 2, Save signal LED lamp (When you press ENT after change setting, this LED will ON. It means the fixture is saving change)
- 3, Power LED
- 4, Button effective

3.2 Display panel menu instruction



Button functions on display panel – from left to right:

- 1, ESC/MODE
- 2, UP
- 3, DOWN
- 4, ENTER