

Mini clock laser light

→ User manual



LASERLIGHT



Please read this manual carefully before use!

Contents

Introduction & Caution -----	P2
Silkscreen -----	P3
Safety instruction/Installation instruction -----	P4
Function instruction -----	P5
IR Remote control/Time setting -----	P6
Keyboard function/Rigging -----	P7
Product size -----	P8
Clearing and Maintenance/caution -----	P8
Warranty card -----	P8

Introduction

Thank you for your patronage. We are confident that our excellent products and service can satisfy you. For your own safety, please read this user manual carefully before installing the device. And please keep the manual carefully for future reference.

The moving head with good human nature and perfect combination of industrial design, perfect construction. Body with lead alloy and high temperature resistance of engineering plastics, good for heat sink. Electron positioning technology of moving construction. Good meet CE stand, with internal DMX512 signal control. Widely using in disco, TV station, dancing hall, nightclub, indoor and outdoor performance and so on.

Following spare parts are included with the fixture:

Parts	Qty	Units
Device	1	pcs
User manual	1	pcs
Power adapter	1	pcs
USB connector of keyboard	1	pcs
USB transfer PS2 connector	1	pcs
Wireless remote control	1	pcs
Key	1	pcs

Caution

Please make sure above attachments is complete and there are no obvious transport damages. Should you notice any damages on the A/C connection cable or on the casing, do not take the device into operation and immediately consult your local dealer.



CAUTION!

Keep this device away from rain and moisture!



Unplug mains lead before opening the housing!




Symbol Instruction On The Device

CE Certificate

Only indoor using

Environmental protection

The minimum distance from lighted objects(meter)

 - ° CMax ambient Temp

$T_B = \text{---} \text{ } ^\circ \text{C}$ Max housing Temp


..... Safety caution

Be careful of burn

Danger high voltage

.....Not allow installation directly on the surface of ordinary combustibile materials

Safety instruction

- Once after received this product , please take and put carefully. And check cautiously that whether the product was damaged or not during the transportation, if yes, please not use this fixture and contact local dealers or manufacturers as soon as possible.
- The applicable temperature for the lighting is below 40°C. Do not use the lighting above the temperature.ta=40°C
- The fixture applicable widely, it must keeping clean, Please do not in overheat or dusty environment use the device. Do not touching Chemical liquid.
- Should be paid attention to the use of this product: fire, heat, electric shock, loss caused by severe or fatal injury, in electricity or to read the instructions before installation, follow the safety instruction and pay attention to the manual and warning signs on the equipment, if you have any other questions about how safe operating equipment, please contact the dealer or manufacturer as soon as possible.
- According to the procedures described in this operating instructions, please do not open by yourself. Any break, please contact professionals, and must by the professional and technical personnel for repair.
- Do not power in and open before installation. Let have a rest when continuous work for eight hours. It will longer the device using lift.
- Fixed installation, to prevent the strong vibration or impact of the device.
- The distance between the device and the projectile to keep at least 1 meter.
- Never look directly into the light source,as sensitive persons may suffer an epileptic shock(especially meant for epileptics)!
- When light output position of the device of dustproof glass breakage, cracks or  other visible damage, user should replace the new glass to continue to use.

Installation

- When install this equipment please make sure there's no flammable surfaces (decorated things, etc) and minimum distance of 0.5M from the equipment to the flammable.
- The installation of the effect has to be built and constructed in a way that it can hold 10 times the weight and without any harming deformation.
- The installation must always be secured with a secondary safety attachment, e.g. an appropriate safety rope.Never stand directly below the device when mounting, removing or servicing the fixture.

Description of the Device

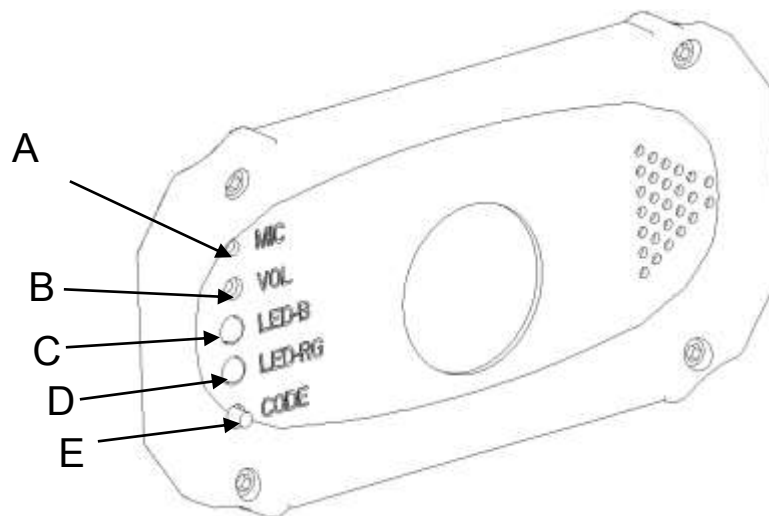
1. Input voltage: In AC100V~240V OUT DC12V 2A 50/60Hz
2. Input power : DC12V
3. Total power:20W
4. Light source : R : 150mw/650nm , G : 50mw/532nm, B:150mw/450nm
5. Control mode: Auto/Sound/Clock display/ keyboard/remote control
6. Scanning system : 10K scanner

Mini clock laser user manual

7. Built-in pattern: 40 Static patterns, 60 dynamic patterns
8. Surface temp: $T_b=35^{\circ}\text{C}$ (this data testing when the environment temp is 25°C)
9. Modulation: TTL
10. N.W : 1.2KG G.W : 2.2KG
11. Product size: : 208 X 179 X 162mm
12. Inner packing size: : 36 X 23 X 17cm
13. Outer packing size: : 74 X 48 X 38cm(8pcs)

Function Instruction

Front plate

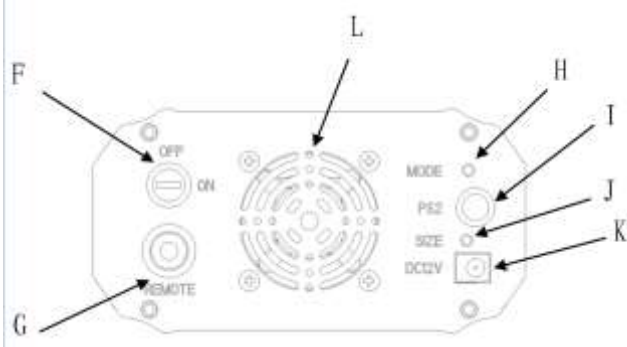


- 【A】 Microphone, to receiving the sound signal with in sound mode.
- 【B】 Single potentiometer, to adjust the microphone sensitivity, from left to right.
- 【C】 Blue LED, the indicator light to learn the remote control code;
- 【D】 Red and Green LED, the indicator light which show the light is on work, details as below:

Mode Light	Red light status	Green light power
Auto	Quick flicker	open
Sound	Follow sound flicker	open
Simulation clock mode	open	open
Digital clock mode	open	open
Keyboard mode	Slow flicker	open
Standby	Close	open

- 【E】 Key switch, the button to learn the remote control code;

Bank panel



- 【F】** Safety Lock, control the laser. The light open when at ON status, closed when at OFF.
- 【G】** Interconnection switch, to turn on or off the laser by long-distance.
- 【H】** Key switch, change the control mode: Auto—Sound-- Analog Clock-- Digital clock-- keyboard
- 【I】** Keyboard connection,USB and PS2 interface connection;
- 【J】** Potentiometer to adjust the pattern size, the right the bigger;
- 【K】** DC outlet: DC12V;
- 【L】** Fan, size: 5x5x1mm、DC12V 0.11A;

Note!!! No occlusions behind the fan when on work.

The remote control function

The remote control diagram:



- 【A】** Change the control mode;
- 【B】** Laser On/Off;
- 【C】** Select the Static pattern, long press to select color;
- 【D】** Select Dynamic pattern, long press to running the pattern;

Remote control code learning operation

Note!!! We have settle down before delivery !

- 1、 Remove the code: long press **【E】** (for 5S), the blue LED **【D】** in front plate will be light up,When it off is done;
- 2、 Learning remote control code: press key switch **【E】**, blue LED **【C】** flash, and press any button you want to learn, blue LED **【C】** flash 4 times is done.

Clock setting

Press **【A】**, Set to clock mode; Press **【D】** to edit; Press **【B】** or **【C】** to modify time, press **【B】** to modify the hour, press **【C】** to modify the minute;

Press **【D】** to save and exit. The **【B】** and **【C】** invalid if not press **【D】** .

Keyboard function

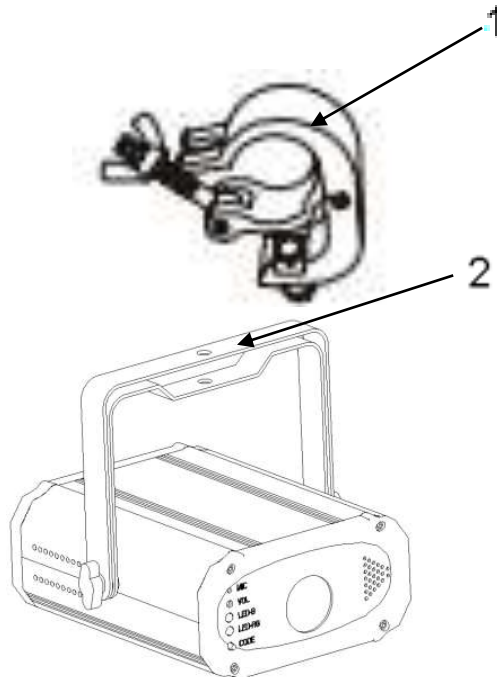
- Press F1, select mode: Auto—Sound-- Analog Clock-- Digital clock-- text editing
- Press F2, 7 color to selectable.
- When editing text, press ESC to delete the text.
- When editing text, press (Back Space) to last step.
- Caps Lock for text Transform
- F3: zoom / F4: rotation / F5: X-axis rotation / F6: Y-axis rotation / F7: X-axis translation / F8: Y-axis translation
- F9: Wave



Rigging and installation:

1 Hook clamp

2 Handle



1. The light can work properly when the ambient temperature is $-25\sim 40^{\circ}\text{C}$, do not use the light when the ambient temperature is over 40°C or under -25°C .

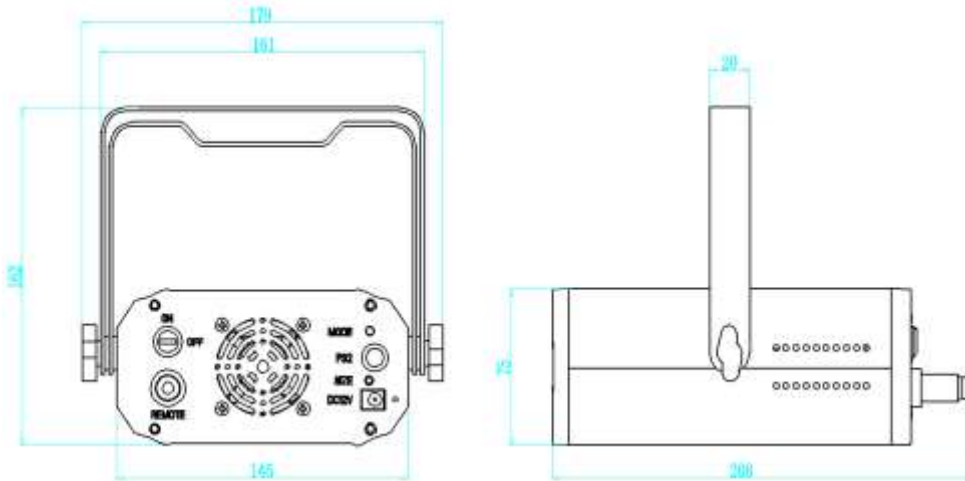
2. The installation has to be built and constructed in a proper way that the rigging can hold 10 times of the

Mini clock laser user manual

light weight .

3. Don't stand under the light when installing, disassembling, repairing or maintaining the light.
4. Please use safety chain to ensure good installation.
5. Fix the M8 screw of the hook clamp in $\varnothing 12.5\text{mm}$ hole of the light handle.

Lighting dimension



Cleaning and maintenance

Cleaning should be performed every 15-day period, by using a sponge which is dipped with alcohol, rather than wet cloth or other chemical liquid, to clean the mirror.



CAUTION

Cut off power before cleaning and maintenance!

Attention

Do not see directly light source when open the light, and make sure power off before do any installation or maintenance.



CAUTION!

Never look directly into the light source,
as sensitive persons may suffer an epileptic shock.



CAUTION

Wires connection must be professional person!

Warranty Card

We will provide 1 year warranty under the condition that user has operated the light

normally and lifetime service. We won't provide warranty if the damage is caused by artificial or force majeure event. Please cut this warranty card and shipped it along with the product to our factory when applying for warranty.

Product:	Purchasing date:	Code of invoice:
Warranty date: From	To	
User's name:	Add:	
Company:	Tel:	