

1200W Scan light



User Guide

Note: Base on the policy of products improving, the parameter in this manual could change in the future, we won't inform for that. Our company will save the right of changing the parameters when improving the products.

1. Computer Scanner Installation

Use two M10(mm) bolt hook and the fixing clip on the computer scanner to install this light. Make sure the fastness of fixing, to prevent the light from stirring or gliding while working. The weight of each scanner is nearly 30kgs. Make sure whether the fixing instruction can bear such weight. Further more, a safety belt should be used throught the side handhold.

Alarm: Don't use the fixing yoke on the light to lift or convey the light.

2. Lamp installation

Note: Don't forget to pull off the power plug when installing the lamp.

Please use the Philip or Osram HMI 1200W lamp. Open the cover which is the same side with the fans. Remove the heat shield above the lamp, then release the nuts on both sides of the lamp, now it's ready to install the lamp. When installing the lamp, pay attention to screw down the screws on both sides of the lamp, otherwise it will cause high voltage short-cut discharge because of bad contact, so that to reduce the lifetime of the lamp and damage the organs of the curcuit board. After the lamp installing, make sure to fix the metal light-heat shields back. At last fold the covers and screw steadily the screws.

Note 1: Don't forget to fix back the light-heat shields in both sides of the lamp, otherwise the heat radiation will burn the light box, even cause fire!

Color temperature: 5600K

If the lost is caused by this, our factory is not responsible for it.

Note 2: Because of the extreme high temperature when the lamp works and the character of discharge lamp, it needs more than 15minutes to have the lamp cold after shut-off the light. Otherwise, it will cause high voltage discharge, short-cut, even burn out the organs on the curcuit board.

Power Supply

Use the special plug to connect the computer scanner and the power main wire. Should pay attention to the voltage and frequency noted on the back board of the light Make sure the power supply is the same with it.

L= Brown

E= Yellow/ Green

N= Blue

Note: Each computer scanner should be grounded and all the electrical installation should accord with the responding standard requirements.

Control Signal Wire Connecting

It should use two conductor shielded cable to connect the controller and the computer light or between the lights. To connect in or out between the computer lights, should use the columniform three-legged XLR pins and sockets supplied with the computer scanner. Note all the connection shouldn't contact with each other or contact to the connector pin. 1200W computer scanner accepts DMX512 digital control signal, contact the control signal to "DIGITAL IN" from one scanner, then connect from the "DIGITAL OUT" from it to "DIGITAL IN" of another scanner. After it receive the DMX signal, the indicator will be flashing. If not, it won't light. If it keep lighting, that means the DMX signal is not correct.

While installing we suggest using DMX signal terminal unit, which can avoid disturbing the digital control signal because of the electric noise. Simply speaking, DMX terminal unit is a XLR connector. There is a resistance between the second and third leg, which will be connected to the "DIGITAL OUT" of the last light.

5. Address Number of Computer Scanner

575W computer scanner has 9 controlling channels. Address number is set by pulling the 1-10 numbers on the back-board to "ON", and add them together as the figure starting address number.

The computer scanner address number calculating method:

The present computer scanner address number = the address number of the last light + the number of the basic channels of the controller.

For example, 1. the first computer scanner, the address number is "1".

2. the basic channels of the controller should not more than the computer light has used the digital control channels.

6. DMX Channel List:

- CH1: colors
- CH2: gobos
- CH3: gobo rotation
- CH4: light on and strobe, reset
- CH5: prism rotation
- CH6: pan
- CH7: tilt
- CH8: prism
- CH9: reset

7. Maintenance

If the lens of the computer scanner is damaged, then should change for a new one. For the light is the same. If it's damaged or appear any kind of abnormality, it should be changed either. If the light become less bright, that means comes the end of the usage lifetime generally, so it should be changed in time, or may cause explosion. If the computer light does not work as usual, check the fuse at the backboard. In that case, should use the same specification fuse as it is noted beside it. Inside the light box, there is a 3A T fuse (slow-melting fuse) on the PCB. If this fuse is melt and break down, ask the professional person to change it.

575W computer scanner has two heat-protecting devices, in order to cut off the power supply when it's too hot. When the heat devices are started up, check whether the fans block. If the fans are too dirty, please clean them first, then turn on the power supply for try. Check the working of the fans, if the fans can't work, have to ask the technician to repair.

Cleanness

For the computer scanner working smoothly, please keep it clean. It is suggested cleaning the light cover and the fans for every 15 days. The lens and the dichroic filter also need periodical cleaning to make the best effect. When cleaning the dichroic filter, please do not use any deliquescent cleanser.

Warning

- Don't tear down or refit the computer scanner.
- Don't have the computer scanner touch water and any other liquid or metal. (IP20)
- Don't install the computer scanner in the high-temperature and humid environment.

- Don't shoot the light to the tinder. The computer scanner and tinder should have 5 meters distance.
- The computer scanner should keep at least 0.5m with the objects beside.
- Don't watch the light directly, or it will hurt your eyes.

Note: the lamp reaches extremely high temperature while working, so should wait for more than 15 minutes before doing anything to it.

10. Problems and Solution

Problems	Solution
Computer scanner can not start up	Check the fuse on the backboard
Though the lamp is on, the computer scanner could not accept the orders from the controller	Check the address number (see No.5) and the control signal wire connecting (see No.4)
The computer scanner works intermittently.	Check whether the fans work and dirty.
The light has halo.	Check the electronic focus channel value is suitable for the shooting distance.
The light become dark.	The lamp is going to use up. Need to change a new one. Check the optics parts is clean or not.

11. Technology Standard.

Power supply: 220V-230V, 50Hz, (60Hz needs customized)

Power consumption: 1350VA (when is 220V)

Lamp: HMI 1200/GS (OSRAM/ PHILIP)

Use lifetime: 400 hours (the manufacturer rating use lifetime)

Color: 5 dichroic filter have high color quality and white light effect, can rotate the color wheel continuously and bidirectly to make the rainbow effect.

Gobo Congruence: 5 rotating metal gobos, and 1 glass gobo.

Gobo rotation: the gobos can rotate clockwise and counter-clockwise, stop and adjust speed effect freely.

Lens hood and strobe: lens hood move rapidly and achieve 1-10 times per second strobe effect.

Prism and prism rotation effect: one prism, one five-prism and one comet prism can rotate clockwise and counter-clockwise, rotate speed adjustable and stop function.

Motor: Composed of 9 exact stepping motors which controlled by the built-in microprocessor.

Control: Microprocessor: use the high stability and strong anti-jamming ability CPU

Digital control: DMX512

Light box: aluminum alloy material, streamline design, good-looking.

Size: 790*430*240mm

Weight: 29kg

THANK YOU FOR READING.

