

Aurora hybrid 120W

User Manual

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Thank you for choosing our products and technology !

To be on the safe side and under the terms of the security, do not allow to restructure and modify this product. Please note that because of man-made damage caused by improper use, is beyond the scope of our warranty.

This equipment pass strict inspection before shipment, please comply with the instruction manual operation requirements, to ensure the safe operation of the product under normal conditions. Any damage caused by improper operation, will cause the cessation of the warranty claim. Manufacturer does not accept any because of improper operation products or non-compliance of the instructions of any liability for property damage and personal injury.

Please place the manual in safe place for future reference and in products for sale or lease or handling running new holder.

1. Instruction

1.1 Application According to Purpose

- This product is a lighting effect which creates special light effects with one lamp. To generate these effects, the product must be connected to mains and a DMX-512 compatible controller.
- This product is designed for 110/230V, 50/60Hz operation and exclusively for indoor use.
- If used for any purpose other than described in these operating instructions, the device may suffer damage and the warranty expires. Also, any other use is linked with risks such as short circuits, fire, electrical shock, etc.
- The manufacturer's serial number must never be removed as otherwise the warranty expires.
- Safety and Maintenance

1.2 Indoor use only

- Make sure the equipment load-bearing structures can withstand the weight of more than 10 times when above ground installation
- Disconnect with power supply before replacing lamp, fuse or other accessories
- Only operation under electrical standards with leakage protection device A/C
- Cool down for 15 minutes before replacing lamps. Please do not use other company's accessories.
- Contact your specialized dealer for any technical problem

1.3 Safety operation

- Do not operate without outer cover or lenses
- Do not look directly to the light
- Replace immediately when lamp broken
- Do not project directly to items near 0.5M
- Do not operate when temperature up to 40°

2. LED Diodes



During operation, the lamps will reach temperatures of up to 75° C. Touching the lamps may cause serious burns! Objects coming into contact with the lamps during and shortly after operation may catch fire!

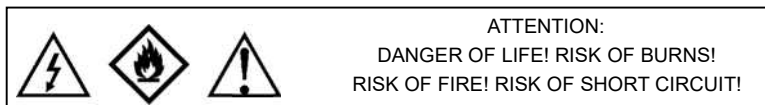
3. Supply Voltages, Mains Cord and Connection to Mains



ATTENTION:
DANGER OF LIFE! RISK OF BURNS!
RISK OF FIRE! RISK OF SHORT CIRCUIT!

- The handling of supply voltage, mains cords and connections to mains calls for particular care considering the risk from a life-threatening electric shock, the risk of fire and the risk of short circuits! Please observe the following notes in particular:
- Products operating on supply voltage should be kept out of the reach of children. Therefore ensure the permanent supervision if children are in the immediate vicinity of the product!
- For commercial facilities the regulations on the prevention of accidents of the respective trade association must be observed. The operation of this equipment at schools, training facilities, and hobby or self-help workshops must be supervised responsibly by trained personnel.
- Check the product regularly for any damage to the mains cord! Should you discover any damage to the mains cord, do not operate or disconnect this product! Secure the product against accidental operation and contact your specialized dealer Always separate the product from mains by holding the mains plug by the handling surface. Never disconnect by holding the line cord! Be sure to connect the product exclusively to 230 V, 50 Hz A/C!
- Always ensure during installation, operation, transport and when storing the product that the mains cord is not exposed to possible mechanical damage, or damage caused by humidity, fluids, heat or cold!
- The product's cable entry must not be exposed to stress from pull! Create the mains connection once the product has been installed only. Always connect the mains plug last!
- The product must only be connected to a proper outlet of the public supply grid. Connect the mains cord to suitable outlets only! Use extensions cords in compliance with specifications only! Do not allow the mains cord to come into contact with other cords!
- Ensure during installation, operation, transport and storage that none of the cables are freely exposed! Never touch the mains cord, mains plug and outlets with wet or damp hands!
- When not using the product, and prior to cleaning always disconnect the product from mains! To do so, hold the mains plug by the handling surface and never pull the mains cord!
- Never connect the device to dimmer packs!

4. Housing



- Always ensure during installation, operation, transport and when storing the product that no shocks or other forces impact the housing!
- The housing must not touch onto any other devices or objects during operation!
- Easily flammable materials, e.g. decoration material and other surfaces and objects, must maintain a minimum distance of 3m to the housing! walls must maintain a minimum distance of 50cm to the housing! The device must be installed on a fireproof surface only (no carpet)! Always ensure a proper circulation of air.

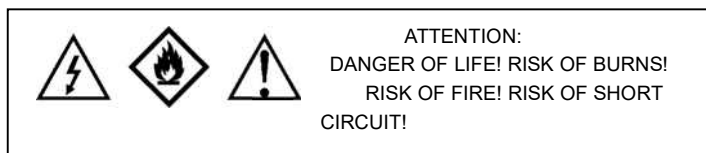
Do not touch the housing during operation it will heat up. The housing is safe to touch approx. 5 minutes following the end of operation!

The device must never be carried via the projector arms. Use the carrying handles only!

Fluids must not enter the housing as this could reduce the protective insulation and may trigger short circuits which may lead to fatal electric shocks! If fluids have entered, disconnect the mains plug immediately and secure the product against unintentional operation and contact your specialized dealer! Damage caused as a result of fluids entering the housing is exempt from warranty.

No metal parts or other items must enter the housing as this may reduce the protective insulation or trigger short circuits which may lead to fatal electric shocks! If metal parts or other items have entered, disconnect the mains plug immediately, secure the product against unintentional operation and contact your specialized dealer! Damage caused by metal parts or other items in the housing is exempt from warranty.

5. Operating Environment



The product must be operated and stored in a dry environment only! Splash water, rain, humidity, fog may reduce the protective insulation which may lead to fatal electric shocks! The limit value for relative humidity is 50% at 45° C. A minimum distance of 1.5m to a fog machine must be observed; fog saturation in the room must not reduce the visibility to below 10m.

The product must be operated at a temperature range of between -5 ° C and 45 ° C only. Protect the product against direct exposure to sunlight or other heat, such as from radiators! If the product is taken from a cold environment into a warm environment it must only be taken into operation once it has reached ambient temperature, since the condensation created by the difference in temperature may destroy the device!

Protect the product against dust! Dust may reduce the protective insulation, which may cause fatal electric shocks!

The product must be operated at altitudes ranging between 20m below and 3000m above sea level only!

The product must not be operated during thunder storms; risk of destruction from surge voltages!

The product must be operated at a minimum distance of 12 m to lit objects only!

6. Installation



This product can be operated suspended or as a stand-alone system.

Should your lighting effect show any signs of damage, do not install the device! In this case, have your lighting effect repaired by your specialized dealer. The manufacturer does not accept responsibility or liability for damage to property or personal injury resulting from an improperly installation!

As a stand-alone system the device must be installed vertically on an absolute planar, firm, fireproof, shock- and vibration-free surface. The installation of this lighting effect must be carried out by trained and professional staff! The installation of this lighting must only be carried out with the appropriate materials

The suspended installation of this lighting effect necessitates a suitable suspension system! The lighting effect must never be fixed swinging freely in the room. No individuals should linger underneath the lighting effect during suspended installation!

It is a must to install this device with a second independent fixture. Such second fixture must guarantee in the event of failure of the main fixture that no assembly parts will fall down. Use the fixture on the under-surface only.

The light effect unit must be attached via two certified hooks and omega bracket to a tie-bar system• Use the screw threads on the under-surface only.

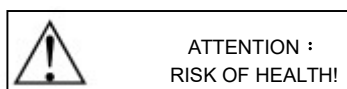
It must be ensured that an expert inspects the mechanical and safety-relevant installation prior to the initial operation and following major modifications, prior to the renewed operation. It must be ensured that an expert inspects the mechanical and safety-relevant installation at least once a year. It must be ensured that an expert inspects the mechanical installation and the installation of relevance to safety within the framework of an acceptance test at least every four years.

The installation fixture must be as such that it can withstand for a period of 60 minutes 10 times the load capacity without harmful deformation.

It is prohibited for any individual to unnecessarily stay or pass beneath the installation during any type of assembly work.

The light effect unit must be secured by a safety arrested cable if fly-mounted. The cable must withstand 12 times the weight of the light effect unit. Use arrester cables equipped with quick closing links. The dropping distance must not exceed 20 cm. Defect arrested cables or arrested cables that have already been exposed to stress must not be used.

7. Operation



7.1 Controls

Link all DMX devices with a DMX-512 controller by using a standard, 3-pin DMX cable or 5-pin DMX

cables. Connect the output of the first device with the input of the second device and the output of the second device with the input of the third device and so on.

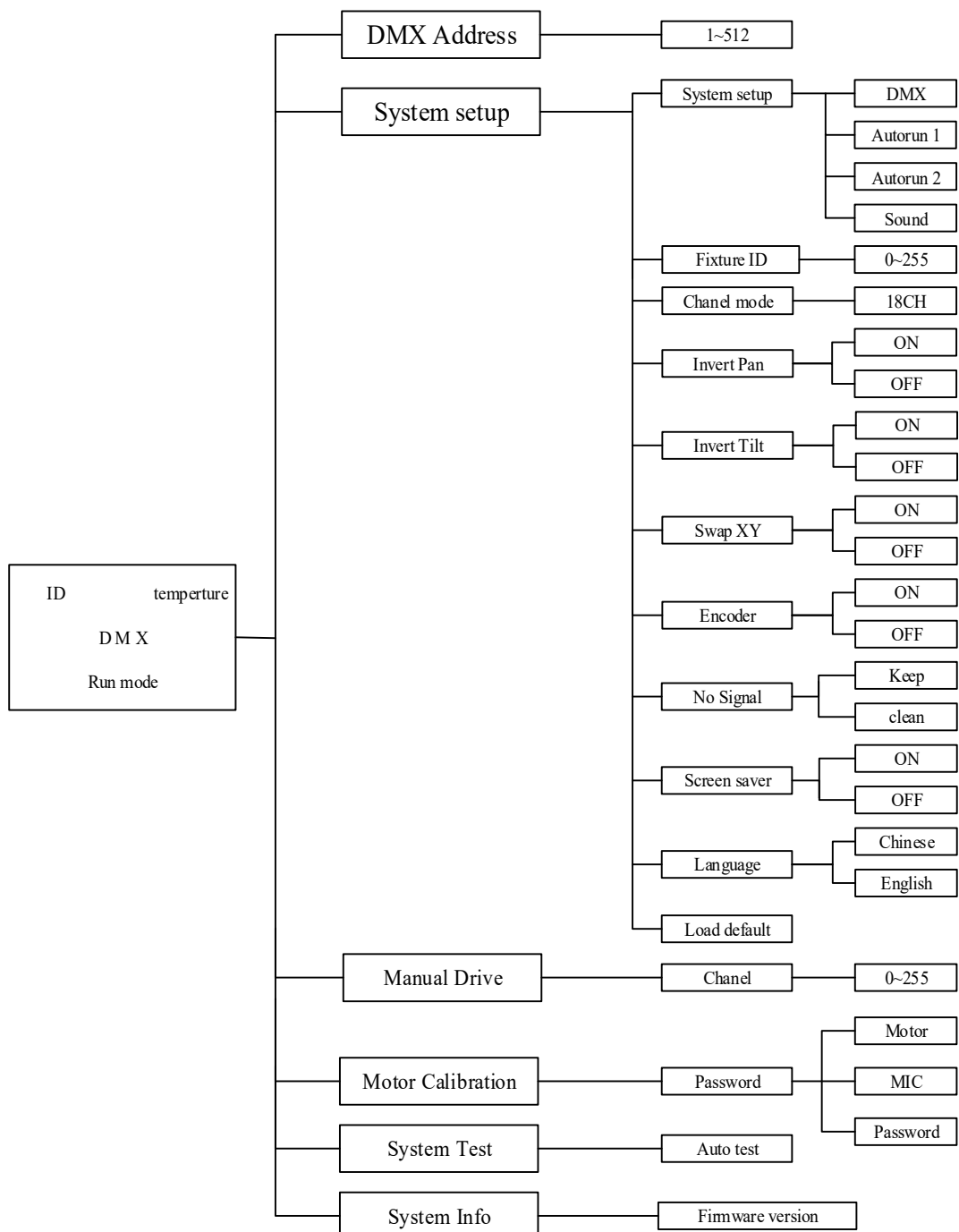
Connect the mains plug to an outlet.

Connect the mains plug to an outlet.

Operating the product for the first time may generate smoke and odour; this is not a defect. Avoid dis/connecting the product repeatedly and quickly from/with mains! Always wait 15 minutes prior to the next dis/connection

7.2Menu

structure



7.3Channel

Channel	Function	DMX Value
CH1	Open	0~255
CH2	Strobe	0~255
CH3	Pan	0~255
CH4	Pan fine	0~255
CH5	Tilt	0~255
CH6	Tilt Fine	0~255
CH7	XY Speed	0~255
CH8	Color wheel	0~255
CH9	Fixed gobo	0~255
CH10	Rotation gobo	0~255
CH11	Gobo Rotation	0~255
CH12	Focus	0~255
CH13	Zoom	0~255
CH14	Auto Focus	0-255
CH15	Frost	0~255
CH16	Prism	0~255
CH17	Prism rotation	0~255
CH18	Macro function	0~255
CH19	Reset	0~255

8. Fuse of the replacement

Disconnect the product from the mains prior before changing a fuse.

Only replace the fuse by a fuse of same type and rating! An incorrect fuse could damage or destruct the lighting effect.

Replace a fuse by levering the fuse holder cover with an appropriate screwdriver. Remove the old fuse and place the fuse inside the holder. Replace the fuse holder and insert it.

Never connect the lighting effect to the mains prior with opened housing.

9. Care instructions

The product must be freed regularly from dust, other deposits and contamination as this may reduce the protective insulation .which may lead to a fatal electric shock!

Before cleaning, always disconnect the product from mains!

This product should be cleaned with a moist cloth only; never use aggressive cleaning agents, solvents or benzine for cleaning.

10. Technical parameters

Lamp: New single LED COB 120W

Life: 50,000H

Control channel: 19 channels

Pan movement: 540° (16 bit)

Tilt movement: 240° (16 bit)

Advanced moving system: Fast, stable and quiet,

Auto X-Y repositioning

Color wheel: 7 dichroic filters +open, halfcolor and rainbow effect

Fixed gobo wheel: 10 fixed gobos+open

Rotating gobo: 6 interchangeable, rotating,

Indexable, gobos+open,

Rotating effect wheel: 3 facets prism

Focus: Motorized focus

Zoom angle: 7-16°

Shutter: Variable from 1-25 flashes or random strobe

Dimmer: 0~100% linear dimming

Frost: Fine wash effect

LCD display

N.W.: 10KG

G.W.: 12KG

Packing size: 385*325*475MM