

# 2503W Image Projection MANUAL

Thank you for having chosen our company's products. For your own safety, please read this user manual carefully before installing the device.

## **SAFETY INTRODUCTION**

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature.

This device falls under protection-class I. Therefore it is essential that the device be earthed. A qualified person must carry out the electric connection.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by plug. Never pull out the plug by tugging the power cord.

During initial start-up, some smoke or smell may arise. This is normal and should decrease gradually.

### **CAUTION:**

1. Be very careful during installation. Since you will be working with a dangerous voltage you can suffer a life-threatening electric shock when touching live wires.
2. Never touch the device during operation, because the housing heats up.
3. Never look directly into the light source, as sensitive persons may suffer an epileptic shock.
4. Please be aware that damages caused by manual modifications to the device are not subject to warranty. Keep away from children and non-professionals.

## **GENERAL GUIDELINES**

This device is a lighting effect for professional use on stages, in discotheques, theatres, etc. This fixture is only allowed to be operated with an alternating current of max. 240VAC/50Hz(125VAC/60Hz) and was designed for indoor use only.

Lighting effects are not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects. Do not shake the device. Avoid brute force when installing or operating the device.

When choosing the installation spot, please make sure that the device is not exposed to extreme heat, moisture or dust. The minimum distance between light-output from the projector and the illuminated surface must be more than 0.5 meter.

Always fix the fixture with an appropriate safety cable.

Make sure never to install the device in a place that exceeds the ambient temperature  $T_a$  (see technical specifications at the end of this user manual).

Operate the device only after having familiarized with its functions. Do not permit operation by person not qualified for operating the device. Most damages are the result of unprofessional operation.

Please use the original packaging if the device is to be transported.

For safety reasons, please be aware that all modifications on the device are forbidden. Furthermore, any other operation may lead to short-circuit, burns, electric shock, lamp explosion, crash, etc. If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void.

## **INSTALLATION INSTRUCTIONS**

### **a) Installing or replacing the lamps**

Before replacing the lamps let the lamps cool down, because during operation, the lamps can reach temperatures of up to 700°C.

During the installation of halogen lamps do not touch the glass bulbs bare handed. Always use a cloth to handle the lamps during insertion and removal.

Do not install lamps with a higher wattage. They generate higher temperatures than for which the device was designed for. For the installation, you need ELC 24v/250w Lamp.

### **Procedure:**

- 1) Unscrew the screw
- 2) Gently open the lid
- 3) Remove the old lamp from the socket and insert a new lamp
- 4) Carefully replace the lid
- 5) Fix the screw

**CAUTION: Do not operate this device with open cover!**

**b) Replacing the fuse**

If the lamps burn out, chances are the fuse on the rear panel might too. Only replace the fuse with a fuse of the same type and rating (see technical specifications at the end of this user manual). For the installation, you need one 3A/250VAC (3A/125VAC) fuse.

**Procedure:**

- 1) Unscrew the fuse holder with an appropriate screwdriver
- 2) Remove the old fuse and replace it by the new one
- 3) Replace the fuse holder in the housing and fasten it with the screwdriver

**CAUTION: Only replace the fuse with the device unplugged from the mains!**

**c) Mounting the device**

The installation of the effect has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.

The installation must always be secured with a secondary safety attachment, e.g. an appropriate safety cable.

Never stand directly below the device when mounting, removing the fixture.

**Procedure:**

The projector should be installed outside areas where persons may reach it, walk by or be seated.

Overhead mounting requires extensive experience, including amongst others calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the device. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

Before mounting make sure that the installation area can hold a minimum point load of 10 times the device's weight.

Adjust the desired inclination angle via the mounting bracket and fix the bracket screws tightly.

Connect the fixture to the mains with the power plug. In general, lighting effects should not be connected to dimming packs.

**CAUTION: When installing the device, make sure there is no highly inflammable material within a distance of min. 0.5m!**

## **CLEANING AND MAINTENANCE**

The following points have to be considered during the inspection:

- 1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).
- 3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
- 4) The electric power supply cables must not show any damage, material fatigue or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

We recommend a frequent cleaning of the device. Please use a moist, lint-free cloth. Never use alcohol or solvents.

**CAUTION: Disconnect from mains before starting maintenance operation!**

## **TECHNICAL SPECIFICATIONS**

Power supply: max. 220V AC/60Hz

Power consumption: max.280w

Fuse: F10A, 250V AC

Lamps: ELC-C 24V/ 250W

Maximum ambient temperature  $T_a$ : 45°C

Maximum housing temperature  $T_b$ : 130°C

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