



USER MANUAL

MTP-150Gobo

TECHNICAL SPECIFICATIONS

Power supply: 220 V/50 Hz
 Power consumption: 290 W
 Lamps: MilTec MTL-150CDM, PHILIPS CDM-SA/T 150W
 Protection: IP 65
 Maximum ambient temperature T_a : 45° C
 Maximum housing temperature T_B : 90° C
 Fuse: 3.15 A/250 V
 Dimensions (LxWxH): 390 x 305 x 410 mm
 Weight: 9,5 kg

INTRODUCTION

Thank you for having chosen a MTP-150Gobo. If you follow the instructions given in this manual, we are sure that you will enjoy this device for a long period of time.

Unpack your MTP-150Gobo .

Every person involved with the installation, operation and maintenance of this device has to

- be qualified
- follow the instructions of this manual

Features

- MTP-150Gobo for projecting the desired motive,
- For architectural lighting or large stage backgrounds,
- Large D-size gobos for clear projections and advertising logos,
- Gobo rotation speed adjustable via rotary knob
- Jet-proof construction for outdoor use
- High-precision aluminium die-cast housing
- The angle of the reflected beam can be altered via lenses
- For bright 150 W discharge lamp

INSTALLATION

Installing/Replacing the lamp

Before replacing the lamp, unplug mains lead and let the lamp cool down (approx. 10 minutes).

During the installation do not touch the glass-bulbs with bare-handed! Please follow the lamp manufacturer's notes!

Do not install lamps with a higher wattage! Lamps with a higher wattage generate temperatures the device was not designed for. Damages caused by non-observance are not subject to warranty.

Procedure:

Step 1: Unscrew the 4 fixation screws of the lamp cover and remove it.



Step 2: Carefully remove the lamp holder.

Step 3: If replacing the lamp, remove the old lamp from the lamp holder.

Step 4: Insert the lamp into the lamp holder and carefully replace the lamp holder.

Step 5: Tighten the fixation screws of the lamp cover.

Do not operate this device with opened cover!

Inserting/Exchanging gobos

Procedure:

Step 1: Unscrew the fixation screws of the housing cover.

Step 2: Remove the housing cover.

Step 3: Rotate the lenses by loosening the rotary knobs on the cylindrical swivel joint.

Step 4: Remove the fixation-ring with an appropriate tool.

Step 5: Remove the gobo and insert the new gobo.

Step 6: Press the fixation-ring together and insert it in front of the gobo.

You can adjust the rotation speed with the rotary-control.

Close the housing cover and tighten the fixation screws.

Rigging

The device can be installed on the ground or on the wall or ceiling.

The installation of the device 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 catch net.

This secondary safety attachment must be constructed in a way that no part of the installation can fall down if the main attachment fails.

When rigging, de-rigging or servicing the device staying in the area below the installation place, on bridges, under high working places and other endangered areas is forbidden.

The operator has to make sure that safety relating and machine-technical installations are approved by an expert before taking into operation for the first time and after changes before taking into operation another time.

The operator has to make sure that safety relating and machine technical installations are approved by an expert after every four year in the course of an acceptance test.

The operator has to make sure that safety relating and machine technical installations are approved by a skilled person once a year.

Machine technical installations in the sense of these instructions are all technical installations and working material used for operating places of events and productions for scenery presentations.

Procedure:

The device should be installed outside areas where persons may walk by or be seated.

IMPORTANT! OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE, including (but not limited to) 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, but instead use a professional structural rigger. Improper installation can result in bodily injury and or damage to property.

The device has to be installed out of the reach of people.

The device must never be fixed swinging freely in the room.

Before rigging make sure that the installation area can hold a minimum point load of 10 times the device



weight.

The device must be installed in an absolutely horizontal position.

Always install the device via all fixation holes.

Do only use appropriate screws and make sure that the screws are properly connected with the ground.

If the device shall be lowered from the ceiling or high joists, professional trussing systems have to be used.

The device must never be fixed swinging freely in the room.

Overhead rigging

Caution: Devices in hanging installations may cause severe injuries when crashing down! If you have doubts concerning the safety of a possible installation, do NOT install the device!

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

Mount the device to your trussing system using an appropriate clamp.

For overhead use, always install a safety-rope that can hold at least 12 times the weight of the fixture. You must only use safety-ropes with quick links with screw cap. Lead the safety-rope through the mounting bracket of the device and over the trussing system or a safe fixation spot. Insert the end in the quick link and tighten the safety screw.

The maximum drop distance must never exceed 20 cm.

A safety rope which already hold the strain of a crash or which is defective must not be used again.

Adjust the desired inclination-angle via the mounting-bracket and tighten the fixation screws.

In order to connect the device to the mains, you have to install a power-plug.

The occupation of the connection-cables is as follows:

If the device will be directly connected with the local power supply network, a disconnection switch with a minimum opening of 3 mm at every pole has to be included in the permanent electrical installation.

The device must only be connected with an electric installation carried out in compliance with the IEC standard.

The electric installation must be equipped with a Residual Current Device (RCD) with a maximum fault current of 30 mA.

CLEANING AND MAINTENANCE

The operator has to make sure that safety relating and machine technical installations are inspected by an expert after every four years in the course of an acceptance test.

The operator has to make sure that safety relating and machine technical installations are inspected by a skilled person once a year.

The following points have to be considered during the inspection:

- 1) All screws used 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 housings, fixations and installation spots (ceiling, suspension, trussing).
- 3) The electric power supply cables must not show any damages, material fatigue (e.g. porous cables) 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.

Disconnect from mains before starting maintenance operation!

DANGER TO LIFE!

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



solvents!

The interior of the device should be cleaned at least annually using a vacuum cleaner or an air-jet.

There are no serviceable parts inside the device except for the lamp and the fuse. Maintenance and service operations are only to be carried out by authorized dealers.

Please refer to the instructions under "Installing/Replacing the lamps".

Replacing the fuse

If the lamp burns out, the fine-wire fuse of the device might fuse, too. Only replace the fuse by a fuse of same type and rating.

Before replacing the fuse, unplug mains lead.

Procedure:

Step 1: Unscrew the fixation screws of the housing cover and remove it.

Step 2: Unscrew the fuse holder.

Step 3: Remove the old fuse from the fuse holder.

Step 4: Install the new fuse in the fuse holder.

Step 5: Replace the fuse holder in the housing.

Step 6: Replace the housing cover on the housing and tighten the fixation screws.

Should you need any spare parts, please use genuine parts.

If the power supply cable of this device becomes damaged, it has to be replaced by authorized dealers only in order to avoid hazards.

Should you have further questions, please contact your dealer.