

Synchro Digital

instruction manual

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Congratulations on having purchased a new tas product; you have ensured yourself of a fixture of the highest quality, both in the components used, and in the technology applied. We renew our request to you to complete the service information on the preceding page - to expedite any request for information, or for service (in case of problems encountered either during, or subsequent to, installation). This information will assist in prompt and accurate advice from your tas service centre.

1. Technical Characteristics The Synchro Digital is a lighting fixture suitable for use entertainment applications including nightclubs, discos, and dance halls. Its principal characteristics are:

projector body

- · body in in sheet steel
- · finish in scratch resistant black epoxy powder paint
- bracket adjustable to +/- 45°
- · access door at top allows for complete internal inspection
- · fibre glass and epoxy resin lampholder
- · high efficiency forced axial fan ventilation
- · weight 34kg
- special lampholder
- continuous rotating dichroic glass colour changer
- proper functioning in any position
- IP 20 protection range

- · 8 high definition bi-convex optical lenses Ø 60mm
- · built in dichroic colour filter changer
- beam angle 120°
- typical throw distance 4m to 20m
- 8 multi-mirrored discs in continuous rotation

electric and electronic devices

- · self-regulating PCB with built-in microphone
- · remote control of black-out function and ??? different program selections can be made via by 0/+10V DC
- · microprocessor stepper motor control motors
- · igniter and ballast internally mounted
- all synchro digital functions can be remotely controlled via the dedica ted synchro controller mk II
- synchro controller mk II can be controlled via DMX 512
- · safety fuse on each internal electrical circuit
- · optional dedicated controller is connnected via _* stereo plugs, with 3 conductor shielded cable.

accessories

- safety chain cod. 0145/D
- hookclamp cod. 0145

2. Packaging

Following the instructions contained in this manual will ensure the maximum efficiency of this product for years to come.

Open the packaging and ensure that no part of the equipment has suffered damage in transit. In the case of damage to the equipment, contact the carrier immediately by telephone or fax, following this with formal notification in writing.

packing list

Ensure that the packaging contains the correct model ordered with all associated accessories.

1 Synchro Digital projector

Lamp: Installation and Replacement

The Synchro Digital utilises a high efficiency 575W HMI discharge lamp with special lampbase.

The following lamp is listed by tas:

tas cod. LM 5231 575w special lamp life 750 hours

ATTENTION

Disconnect mains prior to opening inspection lid.

The fixture's internal temperature can become extremely high. Ensure that the bulb is cold prior to attempting to remove it. The fixture should be allowed to stand and cool for 10 minutes prior to opening the rear inspection door. HMI lamps are part of the discharge family of lamps and operate at high pressure, and should therefore be handled with care. The slight risk of lamp explosion exists if the lamp is operated over the recommended life of 750 hours.

We recommend that the lamp be replaced within the manufacturer's specified lamp life.

Lamp installation

- Open the inspection door at the top of the fixture by removing the eight screws.
- Carefully screw one end of the lamp into the lampbase, tightening firmly. DO NOT USE UNDUE FORCE.
- Connect the terminal at the top of the lamp to the floating terminal end, using the nut provided with the lamp to screw the terminal to the lamp.
- Carefully replace the inspection door.

4. Mounting the unit

The Synchro Digital may be mounted in any position.

protection against liquids

The Synchro Digital contains electric and electronic components that must not come into contact with water, oil, or any other liquid.

vertical movement

The bracket attached to the Synchro Digital is tightened into position via two bolts. To adjust the position of the fixture, loosen the bolts slightly and locate the fixture at the required angle. When this is achieved, re-tighten the bolts firmly.

mounting

The bracket is supplied with three 12.5mm hole as the mounting point to the base. It is recommended that a minimum of two hookclamps are used to hang the unit. Ensure that your hookclamps are sufficiently strong to support the Synchro Digital.

risk of fire

Each fixture produces heat and therefore must be installed in a well ventilated position. The minimum recommended distance from flammable material is 1m. The minimum safe distance between the light source and the object being lit is 1m.