

VDLPROM5 – SET WITH DMX CONTROL BOX + 4 COLOUR CHANGERS

1. Introduction & Features



Thank you for buying the VDLPROM5 ! Please read the manual carefully before bringing this device into service.

This set contains 4 DMX-controlled colour changers and a central control unit for DMX-controlled or music-controlled operation of the colour changers.

Check carefully that there is no damage caused by transportation. Should there be any, consult your dealer and don't install this device.

2. Safety Instructions



Be very careful during the installation : touching live wires can cause life-threatening electroshocks.



Do not touch the device during operation as the housing heats up



Keep this device away from rain and moisture



Unplug the mains lead before opening the housing

- A qualified technician should install and service this device.
- Damage caused by disregarding certain guidelines in this manual is not covered by the warranty and the dealer will not accept responsibility for the ensuing defects or problems.
- Do not switch the device on immediately if it has been exposed to changes in temperature. Protect the device against damage by leaving it switched off until it has reached room temperature.
- This device falls under protection class I. It is essential, therefore, that the device be earthed. Have this device installed by a qualified technician.
- Make sure that the available voltage does not exceed the voltage stated in the specifications of this manual.
- Do not crimp the power cord and protect it against damage from sharp edges. Ask an authorised dealer to replace the cord if necessary.
- Always disconnect the device from the mains when it is not in use or when you wish to clean it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.
- There may be some smoke or a particular smell when the device is activated for the first time. This is normal and the smell will gradually disappear.

- Do not look directly at the light source as sensitive people may go into epileptic seizure if they do.
- Note that damage caused by user modifications to the device are not covered by the warranty. Keep the device away from children and unauthorised users.

3. General Guidelines

- This device is a lighting effect for professional use on stage, in discos, theatres, etc. The VDLPROM5 should only be used indoors with an alternating current of max. 230Vac/50Hz.
- Lighting effects are not designed for permanent operation. Operation breaks at regular intervals will protect the device against malfunction.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Select a location where the device will be protected against extreme heat, moisture and dust. Respect a minimum distance of 0.5m between the projector's light output and the target surface.
- Use an appropriate safety cable to fix the device (e.g. VDLSC7 or VDLSC8).
- Familiarise yourself with the functions of the device before actually using it. Do not permit operation by unqualified people. Any damage that may occur will probably be due to unprofessional use of the device.
- Use the original packaging if the device is to be transported.
- Note that all modifications of the device are forbidden for safety reasons.
- Only use the device for its intended purpose. All other uses may lead to short-circuits, burns, electroshocks, lamp explosion, crash, etc. Using the device in an unauthorised way will void the warranty.

4. Installation

a) Lamps

- Only fit or replace a lamp when the device is unplugged from the mains. Replace a deformed or damaged lamp.
- Let a lamp cool before replacing it as the temperature of a lamp can reach 700°C during operation.
- Do not touch the lamp with your bare hands when you're installing a halogen lamp. Use a cloth to insert or remove a halogen lamp.
- Do not install lamps with a higher wattage. They generate higher temperatures than the ones this device was designed to be able to cope with.
- Insert four 120V/250W ENH lamps (code LAMP250/120ENH) :
 - 1) Loosen the screws on top and at the back of the housing of the colour changer and open the lid.
 - 2) Replace the old lamp and insert the new one.
 - 3) Close the lid and fix the screws.

Remark : Do not operate the device when the cover is off!!

b) Fuse

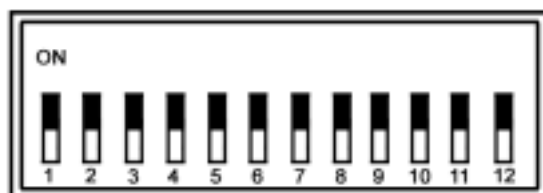
- Only fit or replace a fuse when the device is unplugged from the mains.
- Replace a blown fuse with a fuse of the same type and rating (see technical details at the end of this manual) :
 - 1) Unscrew the fuse holder at the back of the device.
 - 2) Remove the old fuse and install a new one.
 - 3) Fasten the fuse holder.

c) Mounting the Device

- Respect EN 60598-2-17 and all other applicable norms during installation. A qualified person should install this device.
- The construction to which the device is attached should be able to support 10 times the weight for one hour without deformation.
- The installation must always be secured with a secondary attachment e.g. a safety cable.
- Never stand directly below the device when mounting, removing or servicing it. Have a qualified technician check the device before you bring it into service. Have a qualified technician check the entire installation once a year.
- Install the device in a location where few people pass by and that is inaccessible to unauthorised persons.
- Overhead mounting requires extensive experience : calculating work load limits, determining the installation material to be used... Have the material and the device itself checked from time to time. Do not attempt to install the device yourself if you lack these qualifications as improper installation can result in injuries.
- Make sure there is no flammable material within a 50cm radius of the device.
- Adjust the desired inclination angle via the mounting bracket and fix the bracket screws tightly.
- A qualified electrician should carry out the electric connection.
- Connect the device to the mains with the power plug. Install a switch with a min. distance of 3mm between contacts if the device is to be connected directly with the mains. In general, lighting effects should not be connected to dimming packs.
- The installation has to be approved by an expert before the device is taken into service.

5. Use

The colour changers are controlled through the control box. The latter is activated by an external DMX input or via the music. The built-in microphone activates the various beams in case of music-controlled operation.



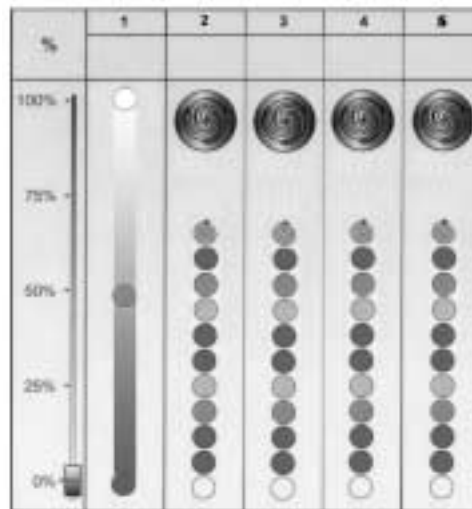
DIP switch settings :

- 1 – 9 : determine the address of the controller when used in DMX mode
- 10 : select music-controlled operation
- 11 : focus mode : the beams of the 4 colour changers become white, which makes them easier to focus.
- 12. : terminator : to be used when the device is in the DMX mode and the controller is the last device in the DMX chain.

The DMX starting address of the controller is defined by the first 9 DIP switches. The encoding is binary : DIP switch 1 has value 1, DIP switch 2 is worth 2, DIP switch 3 has value 4, DIP switch 4 is worth 8, etc...

Example : if 95 were the desired start address, then the settings for the first 9 switches would be as follows : $111111101 = 1 + 2 + 4 + 8 + 16 + 0 + 64 = 95$.

The controller uses 5 channels to control the 4 colour changers. CHANNEL 1 is used to dim all the colour changers simultaneously. CHANNELS 2, 3, 4 & 5 controls the colour of the individual colour changers : there are 10 possible colours and a colour cyler and a rainbow effect are also available.



6. Cleaning and Maintenance

1. All screws for installing the devices or parts of the device have to be screwed down tight and must not be corroded.
2. The housing, the lenses, the mounting supports and the installation location (e.g. ceiling, suspension, trussing) should not be modified or tampered with e.g. do not drill extra holes in mounting supports, do not change the location of the connections, ...
3. The electric power supply cables must not show any damage. Have the device installed by a qualified technician.
4. Disconnect the device from the mains prior to maintenance activities.
5. Wipe the device regularly with a moist cloth. Do not use alcohol or solvents.
6. There are no user-serviceable parts. Contact your dealer for spare parts if necessary.
7. Replace worn-out mechanical parts and make sure the mechanical parts are balanced.

7. Technical Specifications

Power Supply	max. 230VAC/50Hz
Power Consumption	max. 1100W
Fuse	F 5A, 250VAC (5 x 20mm)
Dimensions Controller	280 x 150 x 90mm
Dimensions Colour Changer	140 x 140 x 200mm
Total Weight	3.5kg
Lamp	4 x 120V / 250W ENH
Max. Ambient Temperature	45°C
Max. Housing Temperature	130°C

The information in this manual is subject to change without prior notice.