

LPTDX424E – 4-CHANNEL DIMMER PACK

1. Introduction



Thank you for buying the LPTDX424E ! Please read the manual carefully before bringing this device into service.

The LPTDX424E is DMX-controlled and features 4 channels with LED indication and a chaser function.

Make sure that the device was not damaged in transit. If the device is damaged, you should contact your dealer and postpone installation of this device.

2. Safety Instructions



Be very careful when installing the device : touching live wires can cause life-threatening electroshocks.



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



Protect this device against rain and moisture



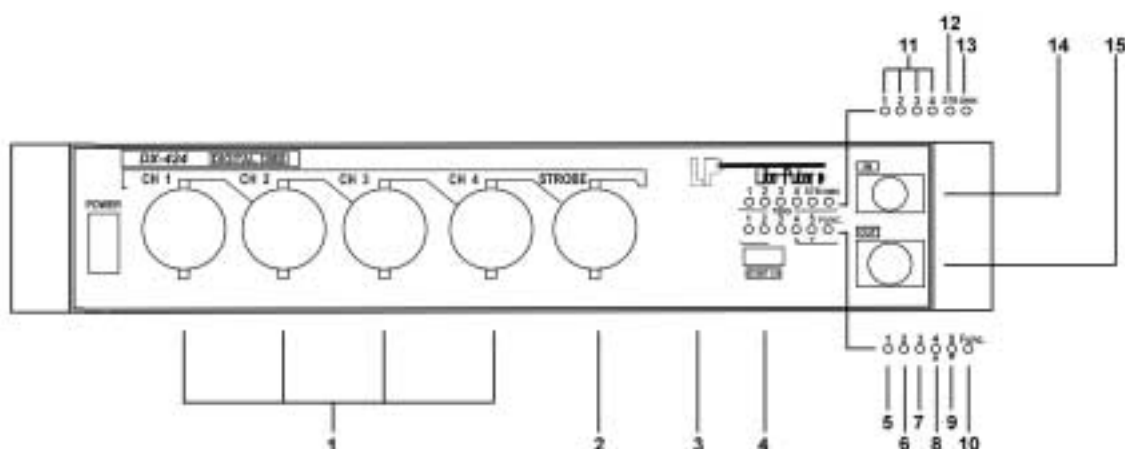
Unplug the supply cable before you open the housing

- A qualified technician should install and service this device.
- Damages caused by disregarding certain guidelines in this manual are 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. A qualified person must carry out the electric connection.
- 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.
- Do not look directly into the light source as sensitive people may go into epileptic seizure if they do.
- Be aware that damages 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

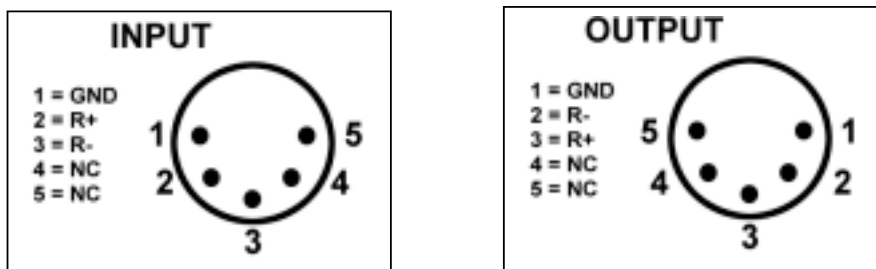
- This device is a light controller for professional use on stages, in discos, theatres, etc. This device should only be operated with an alternating current of max. 230Vac/50Hz and is designed for indoor use only.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Select a location where the device will be protected against extreme heat, moisture and dust.
- Do not use or transport the device under temperatures $< 5^{\circ}\text{C}$ or $> 35^{\circ}\text{C}$.
- 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.
- Do not remove the serial number sticker from the device as doing so will void the warranty. 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. Front & Back Panel Description



1. four outputs (230Vac/4A)
2. strobe output (1A)
3. POWER switch
4. ten DIP switches : put the switches in the correct position in order to install the desired address
5. FUNCTION A...CH1 test button
6. FUNCTION A...CH2 test button
7. FUNCTION A...CH3 test button
8. FUNCTION A...CH4 test button
9. FUNCTION A...STROBE test button
10. FUNC : use this button to select the desired function. The B-functions mentioned above do not work when the DMX-function is activated
11. LED indicators for channels 1 through 4.
12. LED indicator for strobe light
13. DMX input indicator
14. DMX input
15. DMX output or throughput (when the device is connected in parallel with other power packs)

5. Setup



Use a cable with a 5-pin connector to connect the source of the DMX signal with the DMX input of this device. When using several LPTDX424E's : connect the output of the first DMX power pack with the input of the next DMX power pack. It is possible to connect a max. of 12 DMX power packs in parallel (512 separate channels).

6. Chase Pattern and Channel Testing

There are two options when no device is connected to the DMX input :

- 1) a chase pattern (CH1, 2, 3, 4, CH1, 2, etc...). The speed is adjustable (with ▼ and ▲) and the speed setting upon activation is always 1 step per 2 seconds.
- 2) channel testing. Press 1, 2, 3 or 4 to test the channels. Press 5 to test the strobe. Select the desired function with the FUNC button.

7. Programming the Starting Address

Use the DIP switches to set the start address, which is always defined through binary encoding.

Examples

$$01010010 = 0 + 2 + 0 + 8 + 0 + 0 + 64 + 0 = 74$$

$$10001110 = 1 + 0 + 0 + 0 + 16 + 32 + 64 + 113$$

8. Cleaning and Maintenance

1. All screws should be tightened and free of corrosion.
2. The housing, mounting supports and connections 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 should be undamaged. Have this device installed by a qualified technician.

9. Caution

- Disconnect the device from the mains prior to maintenance.
- Use a moist cloth to clean the device and avoid the use of alcohol or solvents for cleaning purposes.
- This device does not contain any user-serviceable parts. Replace a blown fuse with an identical one.
- Spare parts should be ordered with your local dealer.

10. Technical Specifications

Power Supply	max. 230Vac/50Hz
Number of channels	4
Max. total current	15A
DMX input	5-pin XLR male socket
DMX output	5-pin XLR female socket
Max. length DMX cable	100m
Dimensions	482 x 88 x 80mm
Weight	2.2kg

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