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MPX-405 Digital Dimmer Pack (Order code: BOTE28)



#### WARNING

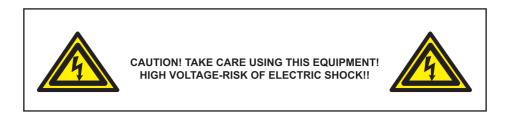
# FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!



#### SAFETY INSTRUCTIONS

Every person involved with the installation, operation & maintenance of this equipment should:

- Be competent
- Follow the instructions of this manual



Before your initial start-up, please make sure that there is no damage caused during transportation. Should there be any, consult your dealer and do not use the equipment.

To maintain the equipment in good working condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.

Please note that damages caused by user modifications to this equipment are not subject to warranty.



#### **IMPORTANT:**

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorised modification to the equipment.

- Never let the power-cable come into contact with other cables. Handle the power-cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the equipment.
- Do not open the equipment and do not modify the equipment.
- Do not switch the equipment on and off in short intervals, as this will reduce the system's life.
- · Only use the equipment indoors.
- Do not expose to flammable sources, liquids or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available voltage is between 220v/240v.
- Make sure that the power-cable is never crimped or damaged. Check the equipment and the power-cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately.
- Have a qualified engineer inspect the equipment before operating again.
- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- If your product fails to function correctly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Prolight dealer for service.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician. THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.
- WARRANTY; One year from date of purchase.

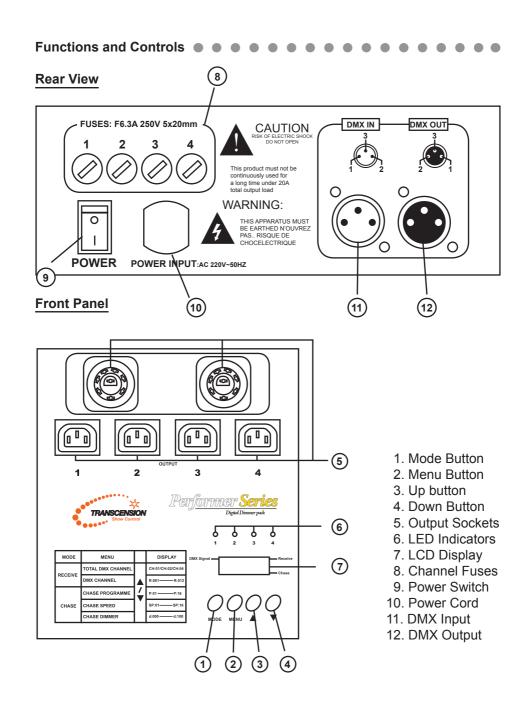
#### **OPERATING DETERMINATIONS**

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void.

Incorrect operation may lead to danger e.g.: short-circuit, burns, electric shocks, lamp failure etc.

Do not endanger your own safety and the safety of others! Incorrect installation or use can cause serious damage to people and property.

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Overview Functions

Mode Button: This button will switch the unit between DMX mode and Chase mode.
Menu Button: This button will activate different functions in DMX mode or Chase mode.
Up Button: This button will increase the displayed value in the LCD display.
Down Button: This button will decrease the displayed value in the LCD display.
Output Sockets: These two Bulgin and four IEC sockets are used to power the equipment.
LED Indicators: These LED indicators will illuminate when the corresponding channel is activated.
Channel fuses: Each of the four channels is protected by a 6.3A fuse. These fuses prevent the unit from overloading and being damaged. Be sure to always replace them with the exact same type fuses.
Power Switch: This switch controls the unit's main power.
Power Cord: Plug this cord into a rated main power supply for your area.
DMX Input: This connector allows the input of a DMX control signal.

**DMX Output:** This connector allows the output of a DMX control signal to the next device.

## Operation

The unit has two switchable working modes. It can be used as a four channel chaser or as a 1, 2, or 4 channel DMX dimmer pack. Please follow up the instructions below to operate the unit for your desired performance.

## Chase Mode

Choose this working mode only when you want the device to act as a 4-channel chaser. This device has 16 built-in programmes. You can select to run any of these programmes specifically, or set the unit to chase in a random sequence among all 16 built-in programmes for a more dramatic show effect. The chase speed can also be adjusted.

1) Connect your lighting effects to any of the 4 IEC or 2 bulgin sockets on the pack.

2) Use the "MODE" button to select Chase mode: Chase mode is indicated in the LCD display as "PA" followed by numbers 01-16.
 "PA" stands for "PROGRAMME APPLIED".

If an **"A"** appears in the LCD display, it means you are in DMX mode, **"A"** stands for **"ADDRESS**".

3) Set your desired chase pattern: Once you have selected the chase function, use the "MENU" button to select your desired chase. The chase pattern is represented in the LCD display by "P" followed by two numbers. You may select any of the 16 built-in programmes to run at a single time.



- 4) Set your desired chase speed: At this point you may change the programme chase speed. While in chase mode, tap on the "MENU" button until the "SP" followed by two numbers is displayed in the LCD display. Then use the ▲ and ▼ buttons to adjust the chase speed. A value of 99 will give you the fastest chase speed (about one step per 0.1 of a second). The value of 01 will give you the slowest chase speed (One step per 30 seconds)
- 5) You may now change the light intensity: Use the "MENU" button to select "d" on the LCD display. Use the ▲ and ▼ buttons to change the light output intensity.
   (00 = lowest output and 99 = highest light output).

#### DMX Mode

Use this operating mode only if you plan to use your pack as a DMX dimmer.

This function will allow you to turn on and control the intensity of non-DMX fixtures e.g. par cans and pinspots with the use of a DMX controller. On, Off and dimming functions can be perfomed through this pack. You may also set your dimmer pack to function as a 1, 2, or 4 channel DMX dimmer pack, which means you can combine the output functions.

### **DMX Operation**

- 1) Connect a DMX controller to your dimmer pack via the 3-pin XLR connector.
- Connect your lighting effect to any of the 4 IEC or 2 bulgin sockets on the front of the pack.
- **3)** Decide if you are going to use your dimmer pack as 1, 2, or 4 channels. This function allows you to:
  - a) Control the output of all four outlets with one DMX channel.
  - b) Group outlet channels one and two and group outlet channels 3 and 4. The first group will be controlled by one DMX channel and the second group will be controlled by another DMX channel. This gives the pack a DMX value of two.
  - **c)** The default setting is a four channel DMX dimmer, each channel is controlled by one DMX channel.
- 4) To change the channel function mode, be sure you are in DMX mode. Use the "MENU" button to select "CH" followed by two digits. Then use the ▲ and ▼ buttons to change the setting from 01, 02, or 04. Your dimmer pack is initially set as a four channel switcher.
- 5) The dimmer pack is initially set to be activated by address one. To change this setting be sure you are in DMX mode. Use the "MENU" button to select the address settings, this will be indicated by an "A" in the first character of the LCD display followed by three numbers. Use the ▲ and ▼ buttons to select your desired DMX address. Remember the DMX address tells your DMX controller what channel to activate the pack's functions.
- 6) Once you have set the pack's DMX address, be sure that your controller's address matches that of the Pack's.

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7) Your pack will now operate as a DMX dimmer, you may control the light output intensity through your DMX controller.

(0 will give no output and 100 will give you full light output.)

## Replacing a fuse

To replace the protective fuse, use a flat head screw driver to unscrew the fuse holder. Pull out the fuse. Insert a new and exact same type fuse back into the fuse holder and tighten. Always replace with the exact same type fuse or other type approved by our authorized service technician.

**CAUTION:** Always disconnect the units main power before performing any type of service or fuse replacement!!

### Power Supply

Before plugging your unit in please make sure the source voltage in your area matches the required voltage for you device. Because line voltage may vary from venue to venue, you should be sure to plug your power supply into a matching wall outlet before attempting to operate your device.

#### **Product Description**

This unit is a 1, 2, or 4 channel DMX dimmer pack. This pack can serve as a stand-alone chaser or a DMX dimmer pack. Each channel is assigned with two parallel output sockets for total of six. This unit features XLR female and male connectors for DMX connection. Each channel is equipped with a 6.3A fuse, And a maximum output load of 5A per channel or 16A totally.

### **Technical Data**

Item Name	MPX-405
Power Supply	AC 240V ~ 50Hz
Dimensions	
Weight	2.7Kqs
Fuse	
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