



# USER INSTRUCTIONS

## 4 CHANNEL DMX DIMMER PACK

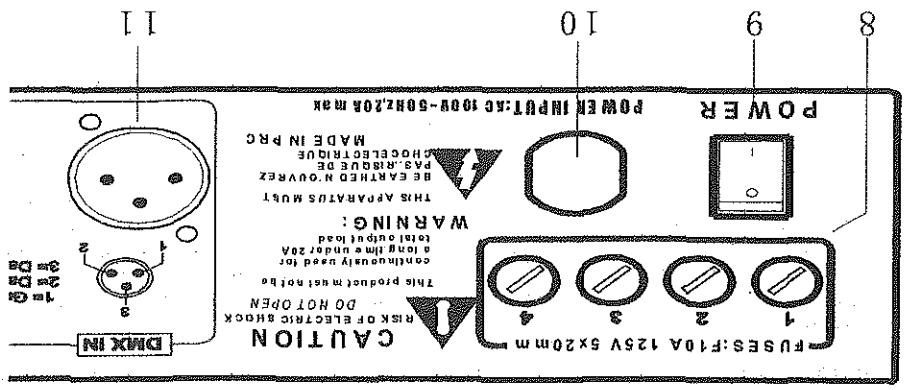
Thank you for purchasing the 4 channel dimmer pack. To optimize the performance of this product, please read these operating instructions carefully and familiarize yourself with the basic operations of this unit. 4CH is a four channel, DMX dimmer pack. This unit has been tested at the factory before being shipped to you. There is no assembly required.

This unit allow you to control special effect lighting, that normally could not be controlled, by a DMX controller. With this revision to our popular 4CH, we have eliminated confusing dip switches and replace them with an easy to use digital switching device that incorporates the use of an easy to read LCD display.

**WARNING:** To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture. Cleaning memory often may cause damage to the memory chip, be careful not to reinitialize your unit frequently often to avoid this risk. Only use the recommended AC/DC power adaptor.

**CAUTION:** There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your manufacturer's warranty. In the unlikely event your unit may require service, please contact your nearest our dealer.

### FUNCTIONS AND CONTROLS FRONT PANEL, REAR PANEL



The front panel diagram shows four channels (CH1, CH2, CH3, CH4) at the top, each with a dimmer knob. Below the channels is a control section with a LCD display (DMX CHASE) and several buttons: MODE, MENU, and two arrow buttons. The LCD display shows "0000". Below the control section is a table with the following data:

MODE	MENU	DISPLAY
DMX	TOTAL DMX CHANNELS	CH01/CH02/CH04
	DMX ADDRESS	A001--A512
CHASE	BUILD-IN PROGRAM	P01--P16
	CHASE SPEED	SP01--SP99
	DIMMING LEVEL	D000--D100

Below the table are four more dimmer knobs labeled CH1, CH2, CH3, and CH4. At the bottom of the front panel, there is a label: "OUTPUT: 0.3A/CH, MAX. 16A TOTALLY".

1. Mode Button: This button will change the operate mode between DMX and chase.
2. Menu Button: This button will activate the different functions in DMX and chase modes.
3. Up Button: This button will increase the displayed value in the LCD display.
4. Down Button: This button will decrease the displayed value in the LCD display.
5. Power Output: 3-prong grounded Edison output sockets. Total output sockets.
6. Green L.E.D. Indicators: These LEDs will indicate their relevant channel activity.
7. LCD Display: This multifunction display will detail all chase and program that pertains to the current operating mode of the pack.
8. Channel Fuses: Each of the four channels is protected by a 10A fuse. These fuses prevent you from overloading and damaging your pack. Be sure to always replace with the exact same type fuse.
9. Power Switch: This switch controls the units main power.
10. Power Cord: Plug this cord into a matching power supply for your area.
11. DMX Input: This connector accepts your DMX input signal.

12. DMX Output: This connector sends your DMX input signal through to the next DMX device.

## OPERATION MODE

The unit has two different operating modes. This unit can be used as a four channel chaser or as a 1, 2, or 4 channel DMX dimmer pack. Please follow the instructions below to operate the unit in your desired mode.

## CHASE MODE

Use this operating mode only if you are planning on using your4CH as a four channel chaser. This device has 16 built in programs, you may select any of these programs or set the pack to chase in a random sequence of all 16 built in programs for a more dramatic light show. You may control the speed at which the programs will chase.

1. Connect your lighting effects to the any of the eight power sockets on the pack
2. Use the mode button to select chase mode: Chase mode is indicated by "PA" followed by numbers 01-16, "PA" is Programmed Applied. If "A" appears in the LCD display you are in DMX mode, "A" stands for address.
3. Set you 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 built in 16 programs to run at a single time.
4. Set you desired chase speed: At this point you may change the program chase speed. While in chase mode, tap on the MENU button until the "SP" followed by two numbers is displayed in the LCD. Then use the UP and DOWN buttons to adjust the chase speed. A value of 99 will give you the fastest chase speed (about 1/10th of a second). A value of 01 will give you the slowest chase speed (one step every 30 sec.).
5. You may now change the light intensity: Use the MENU button to select "d" in the LCD. Use the UP and DOWN arrow keys to change the light output intensity. 00 will give the lowest output and 99 will give you full intensity.

## 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 with the use of a DMX controller. On, off, and dimming functions can be performed 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. Plug in a DMX controller to your dimmer pack via the 3-pin XLR cables.
2. Connect your lighting effect to any of the eight power 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 to all four outlets with one DMX channel.
- b. Group outlet channels one and two and group outlets channels three and four. 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.

12. DMX Output: This connector sends your DMX input signal through to the next DMX device.

c. The default setting is a four channel DMX switcher, 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 UP and DOWN arrow buttons to change the setting from 01, 02, or 04. Your dimmer pack is initially set as a four channel DMX switcher.
5. The dimmer pack is initially set to be activated by DMX address one. To change this setting be indicated by an "A" in the first character of the LCD followed by three numbers. Use the UP and DOWN arrow 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 your controller's address matches that of the pack's.
7. Your pack will now operate as DMX dimmer, you may control the light output intensity through your DMX controller. 0 will give no output and 100 will give you full output.

## FUSE REPLACEMENT

To replace the protective fuse, use a flat head screwdriver to unscrew the fuse holder. Pull out the old fuse and replace it with a new one. Insert the fuse back into slot and tighten. Always replace with the exact same type fuse remove unless otherwise specified by an authorized our company 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 be sure the source voltage in your area matches the required voltage for your4CH. The unit is available in a 120V and 240V version. 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 you controller.

## PRODUCT DESCRIPTION

The4CH is 1, 2, or 4 channel DMX Dimmer Pack. This pack can serve as a stand alone chaser or a DMX dimmer pack. This pack is designed for zero-crossing circuitry which protects against inductive loads, so it is safe for use with all lighting effects that include transformers such as pin spots. Each channel comes with two 3-prong Edison sockets inputs for a total of eight. This unit features XLR female and male connection for DMX compatibility. Each channel is equipped with a fuse for each channel, and a maximum output load of 10A per channel or 20A total. This revision of our popular4CH has a great new case design that makes it great for permanent or mobile applications.



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