

4-CH DOUBLE OUTPUT MATRIC DMX DIMMER PACK

INSTRUCTION

(MATRIX DMX)

Product Description:

This unit is a 1, 2, or 4-channel MATRIX DMX DIMMER pack. This pack can serve as a stand-alone chaser or a DMX dimmer pack. It's designed for zero-crossing circuitry, which protects against inductive loads. Each channel comes with two 3-prong Edison sockets for USA use. This unit features 3 pin XLR female and male connections for DMX compatibility. Each channel is equipped with a fuse. The max output is 10A (120V) per channel and total of 20A (120V).

Front View

1. **Mode Button** - this button will change the power pack operation between DMX and stand alone chaser.
2. **Menu Button** - this button will activate the different functions in the DMX and chaser modes.
3. **Up Button** - this button will increase the value in the LCD display.
4. **Down Button** - this button will decrease the value in the LCD display
5. **Power Output** – 3-prong grounded Edison output sockets (8 total output sockets, 2 per channel).
6. **Green LED Indicators** – these LEDs will indicate their relevant channel output.
7. **LED Display** – this multifunctional display will show the current unit mode

Side View

8. **Channel Fuses** – each of the four channels is protected by 10A (120V) fuse. These fuses prevent you from overloading and damaging the pack. Be sure to always replace with the exact same type of fuse.

9. **Power Switch** – this switch controls the unit’s main power.
10. **Power Cord** – plug this cord into a 120v grounded receptacle.
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 Modes:

This unit has two different operating modes: 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:

This device has 16 built-in programs and 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 fixture to any of the eight power sockets on the pack.
2. Use the MODE button to select chase mode: Chase mode is indicated by “PA” (programmed applied) followed by number 01-16. If “A” (address) appears, you are in DMX mode.
3. To set your desired chase pattern, 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.
4. To set your desired chase speed, use 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 sec.). A value of 01 will give you the slowest chase speed (one step every 30 sec.).
5. To change the light intensity, use the MENU button to select “D” in the LCD. Then use the UP and DOWN buttons to change the light output/intensity. 00 will give you 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 a 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 functions as a 1, 2, or 4 channel DMX dimmer pack which means you will be able to combine the output functions.

1. Plug in a DMX controller to your dimmer pack via the 3-pin XLR cables.
2. Connect your lighting effects 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 a 1, 2, or 4 channel pack. 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 the second group will be 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 switcher; each channel is controlled by one DMX channel.
4. To change the channel function 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.
5. The dimmer pack is initially set to be activated by DMX address one. To change this setting, use the MENU button to select the address settings; this will be indicated by an "A" in the first character of the LCD followed by 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 packs.
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 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 of fuse or remove unless otherwise specified by an authorized service technician.

Caution:

Always disconnect the units main power before performing any type of service or fuse replacements.