



MULTI-DATA/PAK™

User Instructions

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Introduction:

Thank you for purchasing the Multi-Data/Pak by Elation Professional. To optimize the performance of this product, please read these operating instructions carefully to familiarize yourself with the basic operations of this unit. The Multi-Data/Pak is a unique DMX to Analog and MIDI to Analog converter. This unit has been tested at the factory before being shipped to you, there is no assembly required.

Customer Support:

Elation Professional provides a customer support line, to provide setup help and to answer any question should you encounter problems during your setup or initial operation. You may also visit us on the web at www.elationlighting.com for any comments or suggestions. Service Hours are Monday through Friday 9:00 a.m. To 5:00 p.m. Pacific Standard Time.

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Warning!

To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

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 Elation dealer.

Do not discard the shipping carton in the trash. Please recycle when ever possible.

Conformity:

This product complies to EN 50081-1/EN55022 pr EN55103-1 (EMC emission) and EN 50081-1/EN 61000-4-2 pr EN 55103-2 (EMC immunity).

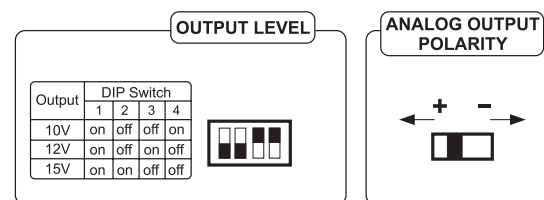
Chase Mode:

To activate the unit's chase function, press the CHASE button. "CHAS" will be displayed in the LED display indicating chase mode has been activated. The unit will run a 72 channel chase until the function is turned OFF.

Changing the output signal voltage:

The unit is capable of sending an analog output signal of +(-)10, +(-)12, +(-)15 volts. Determine the voltage your pack requires and change this setting to the required output voltage. The unit's default output is +10 volts. To change the output level, do the following.

1. For 10 volts, flip dip switches 1 and 4 to the ON position.
2. For 12 volts, flip dip switches 1 and 3 to the ON position.
3. For 15 volts, flip dip switches 1 and 2 to the ON position.



Specifications:

Power Input: AC 120V~50/60Hz, 1A
Fuse: F1A 250V 5x20mm
DMX to Analog: Maximum of 72 channels
Analog Output: +(-)10V/ +(-)12V/ +(-)15V
Dimensions: 483x125x44mm(19"x5"x1.75")
Weight: 1.3 Kg/ 2.5 Lbs

Speed Settings:

This setting adjusts the speed of the internal chase. The number of channels in a chase can be adjusted between 1-72 channels. This chase can not be edited. To change the chase speed, do the following:

1. Press and hold down the MENU button for three seconds.
2. When the LED Display begins to flash, tap the MENU button three times to activate the SPEED settings. This will be indicated by SPXX flashing in the LED Display.
3. Use the UP and DOWN buttons to select your desired chase speed. The speed can be adjusted from 01 to 99. A setting of 01 is the fastest chase speed at 1/10 of a second. A setting of 99 is the slowest chase speed at every 10 seconds.
4. When you have made your selection, tap the MENU button twice to exit this function and store your setting.

Channel Setting:

This setting allows you to change the starting DMX channel. To make changes to this setting, do the following.

1. Press and hold down the MENU button for three seconds.
2. When the LED display begins to flash, be sure the DMX LED on the left of LED display is flashing. If it is not flashing, use the UP and DOWN buttons to select DMX mode. (See Mode Setting on page 5).
3. When you are in DMX mode, tap the MENU button once to activate the DMX settings. This will be indicated by AXXX flashing in the LED display.
4. Use UP and DOWN buttons to select your desired DMX address. The address can be set between 001 to 512. NOTE: ONLY 72 TOTAL CHANNELS WILL OUTPUT STARTING WITH THE SET ADDRESS.
5. When you have made your selection, tap the MENU Button four times to exit this function and store your setting.

Programming a BACK-UP Scene:

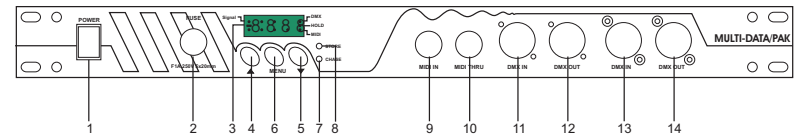
This functions allows you to program one scene into the data pack's memory. This scene can be recalled at any time. To program a scene, do the following:

1. With any DMX controller, program a scene using any of the available 72 channels..
2. Press and hold down the SCENE button for five seconds until "GOOD" is displayed in the LED display.
3. To recall the scene, press the SCENE button at any time. "STOR" will be displayed in the LED display indicating that the unit is running the stored scene.

Features:

The Multi-Data/Pak is a universal signal converter that converts DMX and MIDI to an Analog signal. This allows you to use your analog dimmer and power packs with a DMX controller or MIDI sequencer. The unit can convert up to 72 DMX channels. This unit may also be used as a 72 channel chaser. One scene can be stored into memory as an emergency back up should your controller ever fail. This unit has built in memory in the case that the unit's power is ever disconnected.

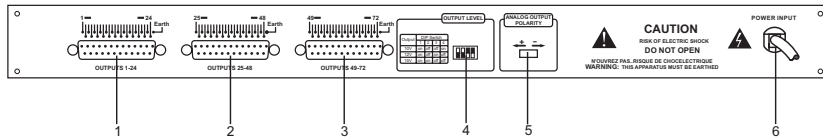
Functions & Controls (Front):



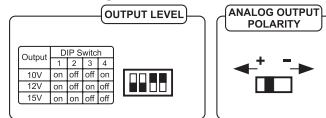
1. Power Switch - This turns the main power on and off.
2. Fuse Holder - This holds a fuse that protects the internal power supply.
3. LED Display - This is a seven segments display that indicates DMX signal, MIDI signal, DMX Function, Hold Function, DMX channel, and is used to activate and make changes in the menu.
4. Up Button - This button is used to advance the selected readings in the menu.
5. Down Button - This button is used to descend through the menu selections.
6. Menu Button - Use this button to activate the system menu.
7. Chase Button - This button selects chase mode.
8. Store Button - Pressing this button stores a scene or recalls a stored scene.
9. MIDI In - This connector is used to receive MIDI signal from a MIDI controller or MIDI sequencer.
10. MIDI Thru - This connector is used to send the signal coming in from the MIDI IN JACK (9) to another MIDI device.
11. DMX In - This 3-pin XLR jack is used to receive DMX signal from a DMX controller.
12. DMX Out - This 3-pin XLR jack is used to send a DMX signal to a DMX power pack or dimmer.

13. DMX In - This 5-pin XLR jack is used to receive DMX signal from a DMX controller.
14. DMX Out - This 5-pin XLR jack is used to send a DMX signal to a DMX power pack or dimmer.

Functions & Controls (Rear):



1. Channel 1-24 Output - This 25 pin "D" socket connector controls the output signal for channels 1-24.
2. Channel 25-48 Output - This 25 pin "D" socket connector controls the output signal for channels 25-48.
3. Channel 49-72 Output - This 25 pin "D" socket connector controls the output signal for channels 49-72.
4. Output Level - 10V/ 12V/ 15V are available using these dip-switches. Details refer to the figure.
5. Analogue Output Polarity - The left is for positive(+) output and the right for negative(-) output.
6. Power Input Cord - Connect this cord to an AC 100V~50/60Hz electrical outlet.



Set-Up:

1. With the main power off, connect either a DMX or MIDI controller.
2. Connect your output connections to the "D" sockets on the rear of the unit. As an option, Elation makes a converter D type connector to din plugs available as model number "Z-MDP/C".
3. Connect the DJ Z-MDP/ C to convert the D type connectors to din style plugs if required.
4. After you have made all your connections, turn the main power on and follow the operating instructions on the next page.

Operating Instructions:

Mode Select:

To access the menu, you must hold down the MENU button for at least three seconds. You will then have access to the MODE setting. Select the input type being used, DMX or MIDI. If a DMX or MIDI signal is present, the corresponding LED will begin to flash in the LED display. Press the MENU button to store the mode.

DMX Mode :

When the unit is receiving DMX signal, the DMX LED will be flashing in the LED display indicating that DMX signal is present. The unit will also display the current DMX address in the LED Display. This unit can operate between DMX channels 1-512 (A001 - A512). However, be aware that this unit will only output a total of 72 DMX channels starting from the set address. (See the Channel Setting section on page 6).

MIDI Mode :

When the unit is receiving a MIDI signal, the MIDI LED will be flashing in the LED display indicating that MIDI signal is present. The unit will also display a flashing MIDI channel number (CH01 - Ch16) in the LED display. This unit can operate on MIDI channels 1-16. You may use the UP and DOWN buttons to select a starting MIDI channel number.

Hold Mode :

This mode allows last DMX setting, if the DMX signal is interrupted, to hold. For example, if the hold function is OFF and you have channels 1 & 4 on and your DMX controller is turned OFF, DMX channels 1 & 4 will also turn OFF. If you turn the HOLD function ON and disconnect DMX signal, channels 1 & 4 will remain ON until you disconnect the Multi-Data/Pak 's power or reconnect a DMX controller. To turn this function ON or OFF, do the following:

1. Press and hold down the MENU Button for three seconds.
2. When the LED begins to flash, tap the MENU button twice to enter HOLD mode. This will be indicated by a flashing LED next to "HOLD" in the LED Display.
3. Use the UP and DOWN Buttons to select the ON or OFF settings.
4. When you have made your selection, tap the MENU button three times to exit this function and store your setting.