

English



MPX-405

MULTI *PACK*

Professional Light Controller

USER'S MANUAL



Please read this manual carefully before use!

Unpacking:

Thank you for your purchase of this Botex Professional product. Every unit has been thoroughly tested and carefully packed before delivery. Unpack the shipping carton carefully, check carefully for sure your new unit is not damaged and all accessories not missing. In the event damage has been found or parts are missing, please do not use it and contact your authorized dealer immediately.

Introduction:

This unit is a four channel DMX/ MIDI pack. This unit can be used as a four channel stand alone chaser, also you can use any DMX controller or MIDI to control this unit. Moreover, this unit can be wireless controlled by the optional remote control(sold separately). This unit has built in memory to save and retain your data in case the unit's power is accidently disconnected.

To optimize the performance of this product, please read these operating instructions carefully to familiarize yourself with the basic operations of this unit.

Warning!

This product must be grounded. Do not spill water or other liquids into or on to your unit. To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

Caution!

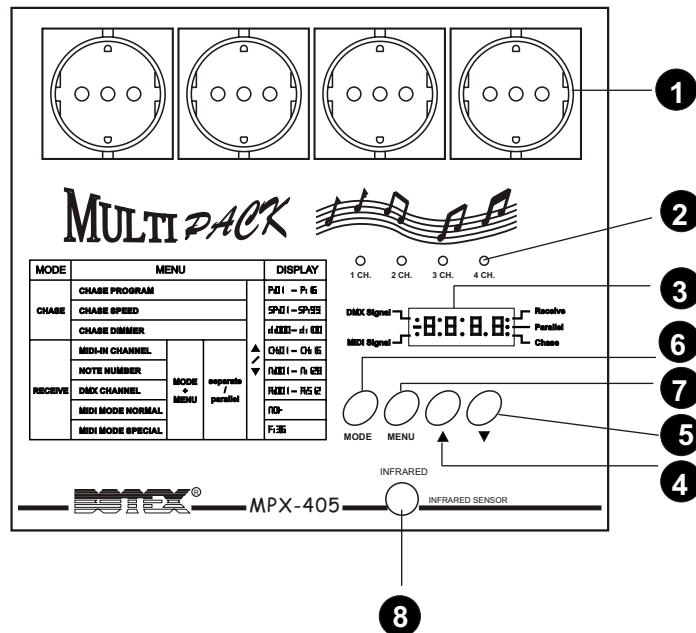
There are no user serviceable parts inside this unit. Do not attempt any repairs yourself. Should you experience any problem during use, please contact your local dealer immediately.

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

Fuse replacement:

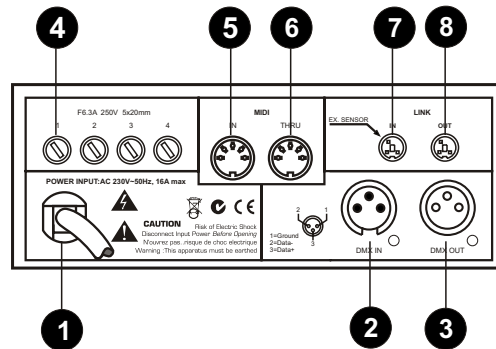
Disconnect the unit's main power. Insert a standard flat screwdriver in to the fuse holder housing. Turn the screwdriver in counterclockwise direction to release the fuse holder. Remove the old fuse and replace it with the same type. Insert the fuse holder back into its housing and turn in clockwise direction to lock the holder in place.

Functions & Controls (Front):



1. Channel Output - 5A per channel, total 16A.
2. LED Indicators - These LEDs will indicate their relevant channel activity.
3. LED Display - This Display will show the program activity and function state.
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. Mode Button - Use this button to change the operating mode between Chase and Receive mode
7. Menu Button - This button will activate different functions in Chase or Receive mode.
8. Infrared Sensor - Detects infrared signal from its remote control(optional).

Functions & Controls (Rear):



1. Power Cord - Plug this cord into a matching wall power outlet.
2. DMX Input - This connector is used to receive DMX input signal from a DMX controller.
3. DMX Output - This connector is used to send your DMX input signal through to the next DMX device.
4. Channel Fuses - Each of the four channels is protected by a 6.3A fuse. These fuses prevent you from overloading and damaging.
5. MIDI In - This connector is used to receive MIDI signal from a MIDI controller or MIDI sequencer.
6. MIDI Thru - This connector is used to send the signal coming in from the MIDI IN jack (5) to another MIDI device.
7. Link In - This connector accepts communication data from the preceding unit. All the linked units will be controlled by the first unit. Besides, this connect also can be used for the external infrared detector (sold separately).
8. Link Out - This connector sends he communication data to the next unit.

Set-Up:

Power Supply

1. Before plugging your unit in be sure the source voltage in your area matches the required voltage marked on your unit.
2. Do not attempt to operate this unit if the power cord has been frayed or broken.

DMX Cable Requirements

This unit and your DMX controller require a standard 3-pin XLR connector for DMX input and DMX output (figure 1). If you are making your own cables be sure to use standard two conductor shield cable (This cable may be purchased at almost all pro sound and lighting stores). Your cable should be made with a male and female XLR connector on either end of the cable.



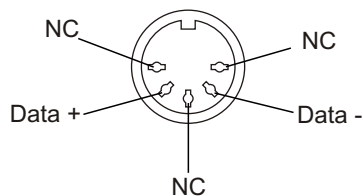
Figure 1

****Special Note:*** For reducing signal errors and avoiding signal transmission problems and interference, it is always advisable to connect 120 ohm impedance DMX signal cable and DMX terminator for signal connection.

MIDI Cable Requirements

The MIDI input will accept multiplexed digital MIDI control signal. The control is via 5-pin DIN type connector. Pin connections are shown in figure 2. Another 5-pin DIN connector is also fitted for signal pass through, allowing the MIDI signal to be fed through to other devices.

Figure 2



Operating Instructions:

This product has two different operating modes: Chase and Receive modes. In Chase mode, this unit serves as a 4 channel chaser. In Receive mode, this unit serves as a 4 channel DMX dimmer or MIDI pack. Please follow the instructions to operate the unit in your desired mode.

Chase Mode:

This mode allows you to select any of 16 built-in programs, chase speed and the light intensity for desired dramatic lighting. Use the MODE to select Chase mode, the LED near Chase is lit indicating your selection and the LED Display shows "P" followed by two numbers from 01-16.

Select your desired chase program

Once you have accessed Chase mode, press MENU to scroll to program menu. The chase program is represented in the LED Display by "P" followed by two numbers 01 -16. You can use the UP and DOWN Buttons to select any of the built-in 16 programs to run at a single time.

Select your desired chase speed

This function allows you to change the program chase speed. While in Chase mode, press and release MENU several times until "SP" followed by two numbers 01-99 is displayed in the LED Display. Then use UP and DOWN to select your desired chase speed. A value 99 will give you the fastest chase speed. A value 01 represents the slowest chase speed.

Select your desired light intensity

This function allows you to change the light intensity. While in Chase mode, press and release MENU several times until "d" followed by three numbers 000-100 is displayed in the LED Display. Then use UP and DOWN to change the light output intensity. A value 000 represents zero output and value 100 represents full intensity.

Receive Mode:

Use the MODE to access Receive mode, the LED near Receive is lit indicating your selection and the LED Display shows "CH" followed by two numbers from 01-16. This mode allows you to use your unit as a four channel DMX/ MIDI pack. You may also set your unit to function as a 1 or 4 channel pack. To change between Separate and Parallel mode:

1. Press and hold down the MODE button.
2. While holding down the MODE button, tap the MENU button, the LED near Parallel will be lit indicating this unit will be used as a single channel pack and the output of four channel will be controlled by one channel.
3. Repeat steps 1 & 2, the LED near parallel will go out, this unit will shift to Separate mode(4 channel pack).

MIDI channel setting

This setting allows you to select MIDI input channel from 01 to 16. While in Receive mode, press and release MENU several times until "CH" followed by two numbers from 01-16 is displayed in the LED Display. Then use UP and DOWN to select MIDI input channel.

Note Number setting

This setting allows you to select starting MIDI Note Number to trigger this MIDI pack. Any MIDI device is required to send 21 Note Numbers to control the pack. Note Numbers 1-4(velocity) control the intensity of the four individual channel. Note Numbers 5-20 turn ON/OFF the programs 01-16 respectively, and the Velocities control the master level of the programs. Note Number 21 adjusts the chase speed of the program.

While in Receive mode, press MENU to scroll to Note Number mode, the LED Display will show "N" followed by three numbers 001-128 indicating your selection. Use UP and DOWN to select desired Note Number.

Normal MIDI/ F36 mode

While in Receive mode, press MENU to scroll to Normal MIDI or F36 mode, "Nor" in the LED Display represents Normal MIDI and "F36" will display in F36 mode. Use UP or DOWN to change between these two mode.

In Normal MIDI mode, starting Note Number is exactly what you have selected in Note Number mode. For example, if you select 008, then it is the starting Note Number.

In F36 mode, you must count the Note Number beginning from 36. For example, if you set 001 in Note Number, accordingly the starting Note Number should be 36, if you set 008, then the starting Note Number should be 43.

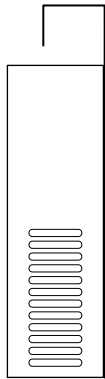
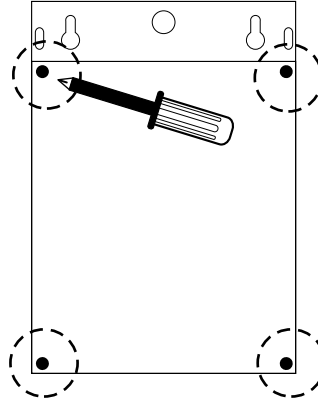
DMX address setting

This setting allows you to change DMX address to trigger the DMX controller. While in Receive mode, press MENU to scroll to DMX address setting. This will be indicated by "A" followed by three numbers 001-512 displayed in the LED Display. Then use UP and DOWN to select your desired DMX address.

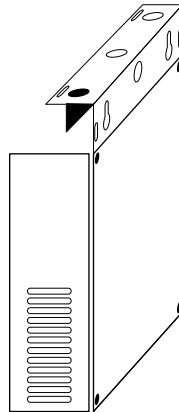
Mounting Options:

This unit has a sleek case design that makes it great for permanent or mobile application. Moreover, the back plate can be used to be removed and reversed. This function allows you to mount your unit to a tripod without the use of a clamp. To reverse the back plate, please follow the below procedures:

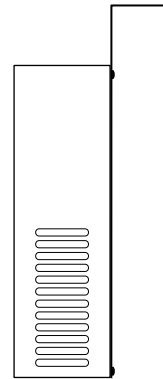
Step 1: Use a screwdriver to remove the four screws that hold the back plate to the unit.



Step 2:
Remove the Back plate from the unit



Step 3:
Flip the back plate over and reattach to the unit.



Step 4:
Line up the screw holes and fasten the four screws.

Technical Specifications:

Specifications:

Power Input:	AC 230V~50Hz, 16A Max.
Power Outlet:	One Schuko sockets per channel, total 4 output sockets
DMX In/ Out:	3-pin XLR socket(male & female)
MIDI In/ Thru:	5-pin DIN multiconnector
Channel Fuses:	One 6.3 A fuse per channel
Accessory:	Infrared remote control (sold separately)
Size:	260 x 210 x 75mm
Weight	3.1 Kgs

****Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without prior notice.***



24-004-0515-00

Rev 2.2

Internet: www.botex.com