DMX-512 CONNECTIONS

Use a standard 5 pin XLR, DMX data cable to connect the **DMX-IT** to your DMX receivers. (Pins 1-3 are used, 4 & 5 are not connected to the **DMX-IT**)

Note: **DMX-IT** products comply with the DMX512 standard as defined by the USITT specification and use a 5 pin XLR for interface connection and data transmission to DMX receivers. The wire type for DMX512 cable must be data cable designed for EIA485. This cable is low capacitance, twisted pair, shielded, and designed for high speed data. There are many brands and types that will work reliably. Standard pre-built cables can be purchased from any theatrical lighting supplier. Conversion to 3 pin XLR and use of microphone cable is known to be problematic and not recommended.

CHANNEL SETTING RANGE

Valid starting addresses for the **DMX-IT 512** are from 001 to 512. Entering a starting address setting of 000 or 513 to 999, will be ignored if a valid address has previously been set, or will result in a starting address of channel 1 if no address has previously been set. Setting the starting address to a channel number from 502 to 512 will result in the sliders controlling the channels from the starting address up to channel 512. The remaining sliders will be ignored. For example, with the starting address set to 512, the channel 1 slider will control channel 512 and sliders 2-12 will be ignored.

SPECIFICATIONS

Size: 7.6" L, 1.3" H(front), 1.75" H(rear), 3.75" W
(19.3cm L, 3.3cm H(front), 4.4cm H(rear), 9.5cm W)
Net Weight: 1.5 lbs. (0.68kg)
Power requirements: 4 AA alkaline batteries (not included) and/or a 9-12V 100mA AC adapter (included), with a standard 2.1mm x 5.5mm barrel connector.
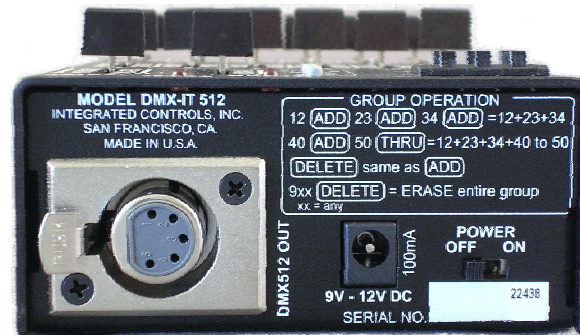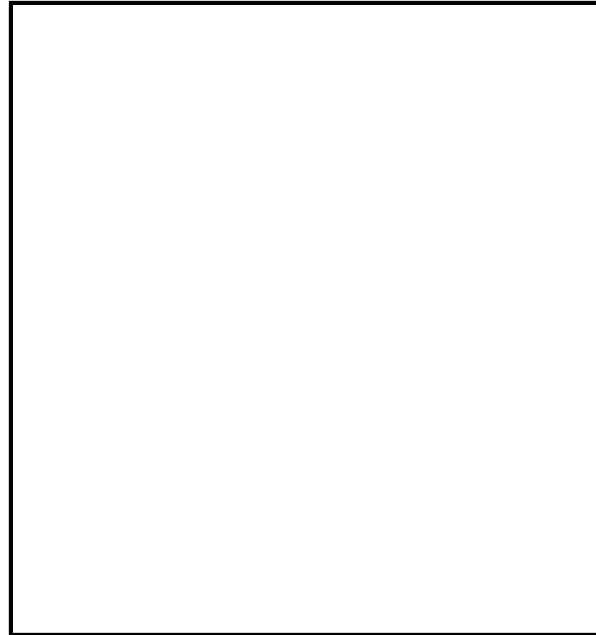Adapter polarity may be either center positive or center negative.

DMX-IT data control timing accuracy meets or exceeds USITT standards and provides highly stable outputs with no jitter or bobble headed values.

INTEGRATED CONTROLS, INC.

DMX-IT Service Policy Available on website

Dealer

Designed and manufactured by:

INTEGRATED CONTROLS, INC.

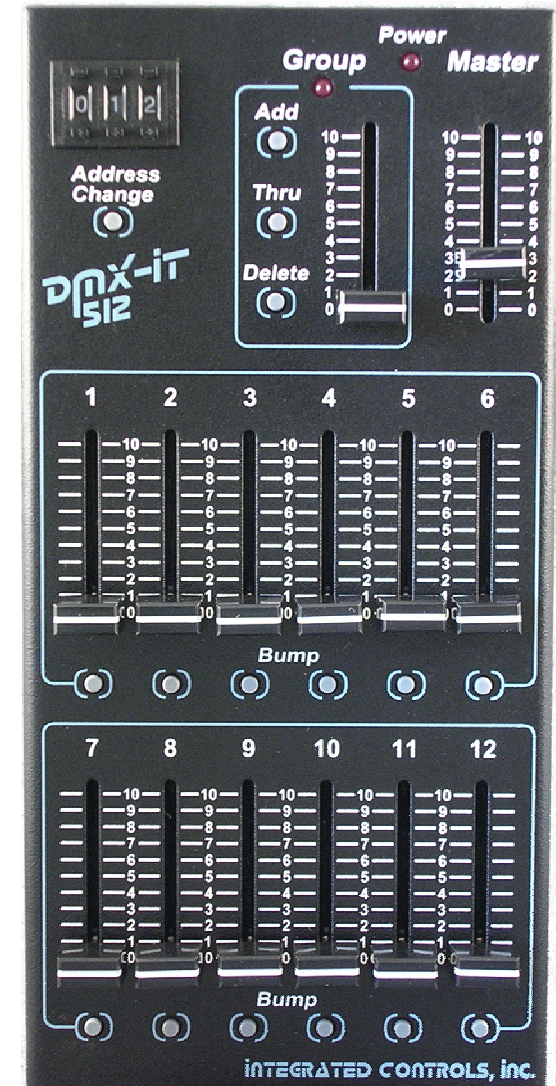2851 21st Street
San Francisco, CA 94110

Tel: 415-647-0480 Fax: 415-647-3003
email: sales@dmxit.com
website: http://www.dmxit.com

DMX-IT 512
Palm-Top Lighting Console
USER MANUAL

INTEGRATED CONTROLS, INC.

DMX-IT 512 SETUP and OPERATION

DmX-iT models are **really** simple to use. For many applications, just set it to "1" and go to work!

The manual fader section of the **DmX-iT 512** consists of channel faders **1-12** with a **Master** fader and individual channel **Bump** buttons, used to momentarily "flash" a channel to the level set on the **Master** fader. The manual section can control any 12 consecutive channels in the 512 channel address space of DMX512 data.

Separate from the 12 manual channels, a list of channels can be created and controlled by the **Group** fader. This list can contain any number of individual channels and/or any group of consecutive channels, up to all 512 addressable channels. Grouped channels operate independently from the channel faders **1-12**, but are also controlled by the **Master** fader.

The **Master** fader controls the maximum output level for fader channels **1-12,** the **Bump** buttons and the **Group** fader.

CHANNEL SELECTION for MANUAL FADER CHANNELS 1-12

To change the starting address of the sliders **1-12**:

1) Select the new starting address with the numeric pushwheel switches.

2) Press the **Address Change** button.

The DMX512 starting address can be set to any channel number between 1 and 501, and will control the 12 consecutive channels starting from that channel number. For example, if the starting address is set to 025 then DMX receivers set to 25 through 36 will respond to the channel sliders **1-12**.

Note that the **Address Change** button applies only to the starting address of the fader channels **1-12**, and is not used in adding, deleting or clearing group channel assignments.

GROUP CHANNEL ASSIGNMENT

Group is a list of channels controlled by the Group slider. Any of the 512 channels may be assigned to the Group.

Create and edit a Group using the pushwheel settings and **Add**, **Delete** & **Thru** buttons. If a channel is assigned to the group and is also included in the manual section, the higher level is output.

Add - Adds individual channels to the Group list. Set an address, press **Add**. Repeat as desired.

Delete - Deletes individual channels from the Group list. Set an address, press **Delete** . Repeat as desired.

Thru - Adds or deletes a range of channels in the Group list. After Adding or Deleting a channel from the list, and while the Group LED is still lit (there is a 10 second time-out), set the end of the range and press **Thru**.

To **clear** the entire Group, set the pushwheel address to **9**XX (where XX = any numbers) and press **Delete.**

Examples of Group command sequences and resulting channel control:				
SET	**PRESS**	**SET**	**PRESS**	**GROUP CONTROLS CHANNELS**
015	ADD			15
023	ADD			15, 23
045	ADD	050	THRU*	15, 23, 45, 46, 47, 48, 49, 50
047	DELETE			15, 23, 45, 46, 48, 49, 50
048	DELETE	050	THRU*	15, 23, 45, 46

*THRU must be pressed while the GROUP LED is still lit
there is a 10 second time-out period

NOTE: After assigning channels to the **Group** slider, the pushwheels may not show the current starting address for the 12 manual sliders. You may want to set the push-wheels back to the starting address that you last set as a reminder. This will assure that your starting address does not inadvertently get changed. Pushing the **Address Change** button again is not necessary.

POWER

The **DmX-iT** operates on 4AA batteries or the supplied AC adapter.

The **POWER** LED indicates power is present when the power switch is turned on. If using batteries, the LED will flash when the battery voltage is low. If the batteries are too low to operate, the LED will turn off and the **DmX-iT** will stop transmitting.

To conserve battery power the **DmX-iT** stops transmitting when the Master slider is at 0.

NiCad or NiMH batteries are not recommended as operating life will not be acceptable due to their lower initial cell voltage.
Expected battery life for alkaline batteries is 20-30 hours of operation.

Replace the 4 AA batteries (not included) in the slide out tray by loosening the screw at the bottom front of the enclosure and sliding out the battery tray. It is not necessary to remove the screw completely, just loosen it enough to release the battery tray.

SLEEP MODE

If batteries are installed or the AC adapter is plugged in and powered, when the power switch is turned OFF the unit goes to sleep. In sleep mode the **DmX-iT** will retain the last starting address for the channel sliders and the channels which are assigned to the Group. If batteries are not installed or are low and the AC adapter is not plugged in and powered, the unit does not retain the channel starting address and Group information. In this case, at power up the channel sliders will be set to start with the channel set on the pushwheels, providing it is set to a valid starting address (001-512), or set to begin at channel 1 if invalid. If you have important group information which you wish to retain, change the batteries with the AC adapter connected and powered; the power switch may be on or off.