Classic Organ Works

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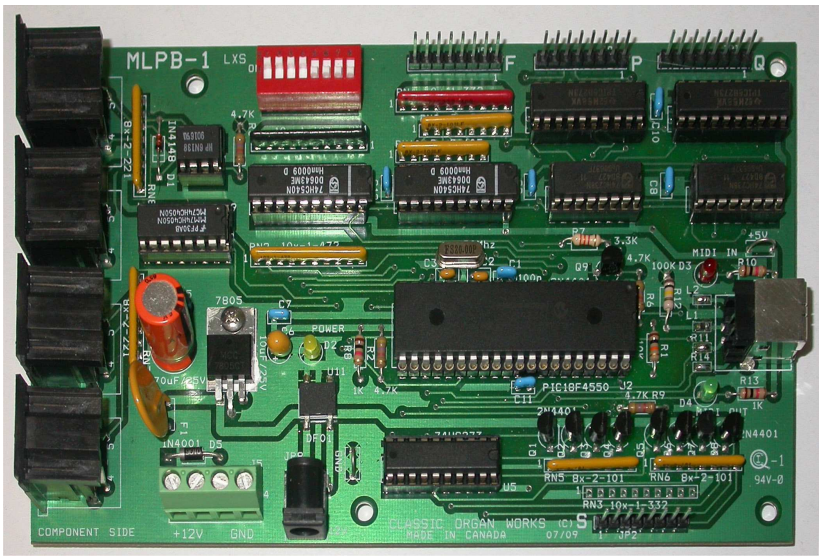
MIDI Lighted Push-button Controller MLPB-1



Description

The MLPB-1 is a MIDI-based controller board that works simultaneously with LED-illuminated push-buttons and another MIDI device such as a pedalboard scanner (MKSC-4A).

It is designed especially for use with organ consoles used to control Hauptwerk virtual organs via MIDI and is compatible with Hauptwerk versions 3 and 4.

Up to 128 switches with LEDs can be controlled in groups of eight.

The push-button LEDs are controlled by the MLPB-1 from MIDI data returned from the organ control system computer. Incandescent lamps can not be used because of the time-division multiplexing system.

Board type MLRT-1 should be used for lighted rocker tabs.

The MIDI-Through connector allows other MIDI-driven devices to be used in order to reduce cabling. This output is simply a duplicate of the MIDI-In signal.

The MLPB-1 may be mounted by either clips or screws and does not require any special cooling.

MIDI

The MIDI channel number is configurable by four sections of the DIP-Switch.

Hauptwerk manages the lights. Pistons on Hauptwerk will update the lights.

Features

- Controls up to 128 stop tabs in 16 groups of 8
- Momentary toggle action switches – Push-On/Push-Off
- LEDs illuminate when On
- Simultaneous control of stops and another MIDI device such as a keyboard
- No need for MIDI hub for MIDI device
- Control via USB is suitable for Linux, MacIntosh or Windows-based systems
- MIDI channel selectable 1-16 (Send and Receive on same channel)
- 'MIDI IN and OUT' ports for second device
- MIDI-THROUGH port (buffered duplicate of MIDI-IN)
- Power: +8V to +15V D.C. from console supply. Current depends on quantity of LEDs lit and is nominally a maximum of 600 mA
- Dimensions (WxL): 6.65"x3.9" (16.89x9.90cm)

Applications

The MLPB-1 is principally intended for use on organ consoles running Hauptwerk to provide MIDI control of LED lighted push-buttons. Buttons with incandescent lamps are not suitable.

Switches and LEDs must be matrix-wired in groups of eight.

