

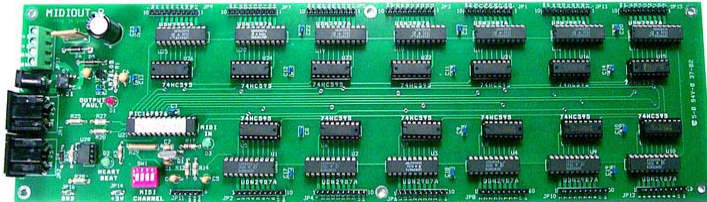
Classic Organ Works

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MIDIOUT: MIDI Output Board



Description

Classic Organ Works is pleased to offer the MIDI Output Board (MIDIOUT) to organ-builders and hobbyists alike. The MIDIOUT Output board is available in two versions. The MIDIOUT-P drives relays and pipe chest negative-common magnets. The MIDIOUT-N drives positive-common relays and pipe chest magnets. Thus, either version may be used depending upon the application.

104 outputs are available in both versions. In addition to relays and pipe chest magnets, these outputs can be used to drive motors, solenoids, LEDs, and incandescent lamps. A convenient built-in MIDI-merge feature allows several MIDIOUT boards and MIDI devices to be cascaded.

The MIDIOUT board has a user selectable DIP-Switch setting to control the output pins via MIDI channel(s). Depending on the mode of operation, users can select whether to use one or two MIDI channels. In the first mode, all outputs are controlled using one MIDI channel. When the user selects the second mode, the board is divided into two halves. Thus, 52 output pins are controlled by the MIDI channel specified, while the other 52 outputs react to MIDI messages on a MIDI channel that is one higher than the specified channel.

Features

- Available in two versions: Positive drive and Negative drive.
- 104 outputs can drive relays, motors, solenoids, LEDs, and incandescent lamps.
- DIP-Switch allows user to select output MIDI Channel (1-16).
- Capability to receive on one MIDI channel (104 outputs) or two MIDI Channels (52 outputs each).
- MIDI-merge feature to allow cascading several MIDIOUT boards.
- Two built-in diagnostic LEDs.
- Can be computer controlled via MIDI.
- Additional 'Output Fault' LED present on the MIDIOUT-P board.
- Approximate dimensions:
 - MIDIOUT-N : 14.4" x 4" x 1" (w x h x d)
 - MIDIOUT-P : 14" x 4" x 1" (w x h x d)

Applications

The MIDI Output Board can be used by organ-builders as well as hobbyists requiring controllers via MIDI. Organ-builders typically use the Classic MIDI Output Board as a pipe driver to allow connection of wind-blown pipes to an electronic organ. Thus, a rank of pipes may be added to an organ with MIDI outputs. In addition, pipes may be played using MIDI from a computer. MIDI information received on the MIDI IN connector is transmitted on the MIDI OUT connector thus, multiple boards may be chained together to add extra pipes, LEDs, and incandescent lamps.

The MIDIOUT board can also be used to drive motors and solenoids for other applications such as model railroad systems. Almost any computer controlled MIDI switching system can benefit from the use of a MIDI Output board.