

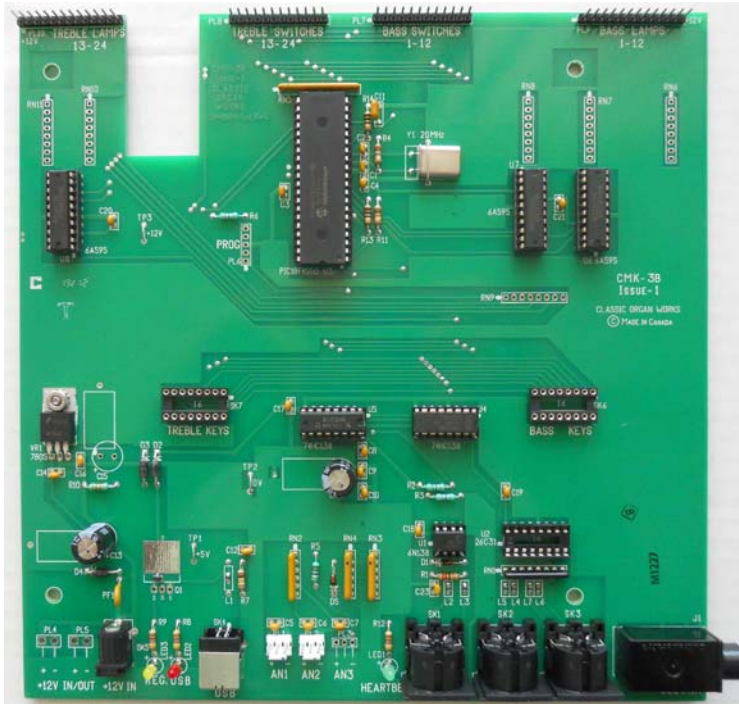
Classic Organ Works

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MIDI KEYBOARD INTERFACE CMK-3B



for good access in multi-keyboard installations where the keyboards cannot easily be lifted.

Features

- Plug-in replacement for CMK-2A that can drive piston lamps.
- Controls 61 velocity-action keys.
- Up to 20 lit pistons
- Lamp control via USB or MIDI IN
- All pistons fully configurable in software
- Communication via USB or MIDI
- Two identical buffered MIDI OUT ports
- One MIDI IN port
- MIDI IN data is merged with switch MIDI data to prevent conflicts
- Three configurable Analog inputs for Expression shoes, tuning, etc.
- A normally-closed Sustain switch

with a ¼" Mono jack over-rides one analog inputs.

- Power and Heartbeat LEDs on rear.
- All connections plug 'straight-on' to make it easy to insert at arm's length under keyboards
- External Power, Lighted pistons: +8V to +15V D.C. from console supply. Current depends on quantity of lamps lit and is nominally a maximum of 600 mA at 12V.
- External Power, Non-lit pistons: nominally 200 mA with +8V to +15V supply.
- External Power, via USB (non-lit only): +5V, 200 mA.
- Board dimensions (WxD): 8.45" x 8.575" (21.5cm x 21cm)

Description

The CMK-3B is a MIDI-based controller board made by Classic Organ Works that works with the professional wooden keyboards made by Fatar. It is a plug-in replacement for the Classic CMK-2A but has the added capability of driving lamps in pistons. It also has USB control. USB can also power the board but only for non-lit piston applications as the lamps require more voltage than USB provides.

A MIDI IN connector and two MIDI OUT connectors allow several keyboards to be controlled as a group when one of them is controlled by USB. Or they could all be controlled independently by USB, or by MIDI.

The CMK-3B mounts beneath a Fatar wooden keyboard and plugs directly onto the CMK-3B-PR-K-M1 piston rail that has the round professional-style Klann LED-lit pistons.

Several boards may be powered from one supply. All connections can be made from the rear

Applications

The CMK-3B is for use on organ consoles to provide USB &/or MIDI control of a velocity-sensitive Fatar keyboard. Can operate up to 20 pistons with lamps.