Classic Organ Works

A division of Artisan Classic Organ Inc.
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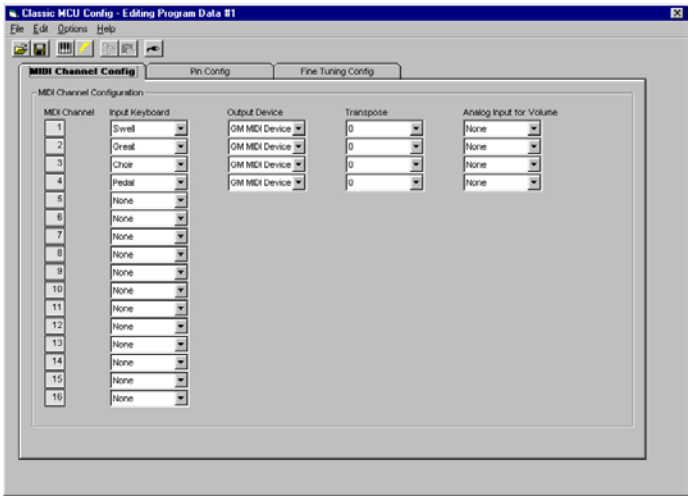
MCU CONFIGURATION SOFTWARE

Purchasers of the Classic MIDI Control Unit (MCU) also receive a compact disc with software allowing them to create custom configurations. To use the software, the MCU **must be connected to a personal computer running Windows™** [1] **operating system** software (Windows 98, 2000, XP). The MCU **must** be connected to a computer using **MIDI**. If a MIDI port is not available on your computer, commercial MIDI adapters for the game port, USB port, and parallel port may be used. When the installation CD is placed in the optical drive of your computer (CD drive), the software installation wizard should automatically run.

Classic MCUConfig software startup screen.

The main menu allows you to select one of two editing types:

1. **Configure a Classic MCU from scratch**: This mode allows you to create a new file for loading into the MCU memory or for generating a file on your PC.
2. **Load a previously saved MCU configuration**: This mode allows you to edit a file stored on your PC.



[1] Windows is a registered Trademark of the Microsoft Corporation.

At this point, the user may customize each of the drop-down menus to his specifications. The diagram below shows one of these windows but the others are similar.

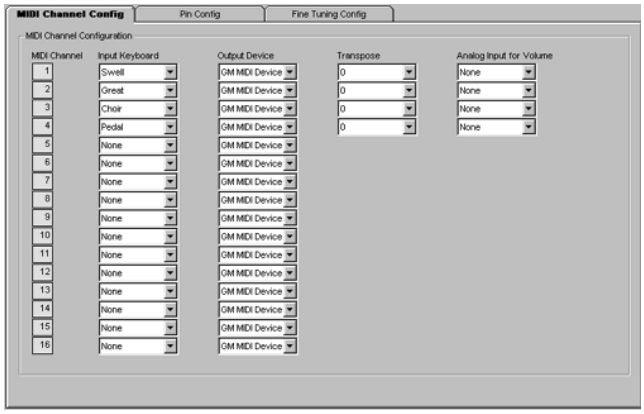


Figure 13: Program window

The tabs represent the items that a user needs to specify in a configuration. The tabs labeled 'MIDI Channel Config', 'Pin Config', and 'Fine Tuning Config' are described below.

MIDI Channel Configuration

- **MIDI Channel** - A software channel for transmitting MIDI information
- **Input Keyboard** - One of four keyboards (three manuals and one pedalboard) may be specified to transmit on each MIDI channel. Note that a keyboard can transmit on multiple MIDI channels.
- **Output Device** - The user may select a General MIDI output device or an Ahlborn Archive Module.
- **Transpose** - Allows the user to change the pitch of a key in semi-tones. The amount of change will depend on the setting from -36 to +92 with 0 being no transposition.
- **Analog Input Volume** - The user may select one of three pin numbers for analog inputs. These inputs control the output volume (for Ahlborn Archive modules) and Expression (for GM-MIDI modules) transmitted on each MIDI channel. Selecting 'none' means no analog input controls for the MIDI channel.

Pin Configuration

There are 105 additional inputs which may be used for stops, pistons, and other switch inputs.

- **Row** - Corresponds to the pin row labels on the MCU
- **Pin** - Corresponds to the pin number on the MCU
- **Function** - The pins may be specified to control:
  - *Ahlborn Archive unit stops (Romantic, Classic, 201, or 202)*
  - *Common Ahlborn Functions/Pistons (couplers, tremulants, all stops on/off, general cancel, memory level select, crescendo, division cancel, sforzando, and set)*
  - *Expression*
  - *Ahlborn Tuning*
  - *GM Bank Select*
  - *MIDI Stop*
  - *GM Sound Select*

- **MIDI Channel** - Select channel on which to transmit MIDI information.
- **Parameter** - Items which may be selected depending on the function that was specified.

Fine Tuning Configuration

Fine Tuning Configuration is specified by the user to tune General MIDI devices, Ahlborn modules, or both GM MIDI and Ahlborn devices.

For General MIDI tuning, an analog input or an optional temperature sensor with a 3-pin 180° DIN cable (sold separately) may be used. To tune an Ahlborn module, a 6-pin 240° DIN cable (sold separately) and a temperature sensor with a 3-pin 180° DIN cable are required.

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