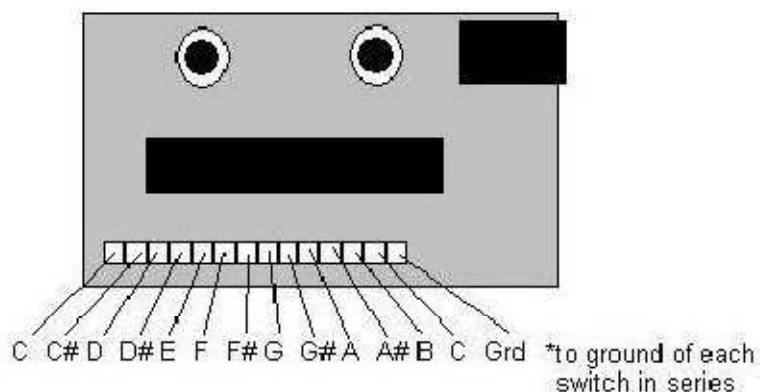


## The BASYN MIDI Kit

The BASYN MIDI Kit is a 13 trigger analog to MIDI converter. It is typically used to add MIDI capabilities to a one octave organ pedalboard. It is the heart of the BASYN MIDI Controller. It is based on the excellent MIDIPeds kit originally designed by Howard Cano.

### The Pedal Connector

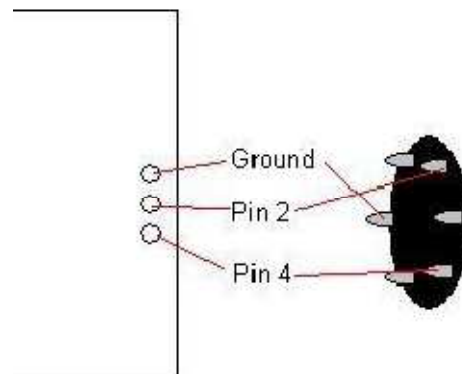
The 14-pin connector is wired from low-C to high-C with a ground pin after the high-C pin. To connect your pedalboard (or any device with 13 normally open switches) wire one side of each trigger to the appropriate pin. Then wire the other side of each trigger in series to the ground pin. A wiring adapter is included with each kit to make this easier.



### The MIDI Connector

The kit comes with a pre-wired MIDI connector. Should this need to be rewired for your particular user, note the location of each wire to the connector:

- 1 – Ground
- 2 – Pin 2
- 3 – Pin 4



### The Power Connector

The MIDI kit requires a 9V 300mA DC power adapter, which is available at most discount or electronics stores.

### The Program Select Button

The pushbutton nearest the power connector is the Program Select button. It is used in conjunction with the first 10 of the pedals on the pedalboard, each representing the numbers 0 to 9. To select program 17, press the Program Select switch once, then the first pedal, second pedal and eighth pedal (low-C, C#, G) to represent the number 017. Always

enter a 3 digit number for the program you wish to select. Should you desire to do so, you can replace the pushbuttons on the MIDI kit with any normally open momentary pushbutton that meets the power requirements.

### The Octave Select Button

The button farthest from the power connector is the Octave Select button. It works in the same way as the Program Select button, but only one pedal needs to be selected, representing octaves 0 to 9.

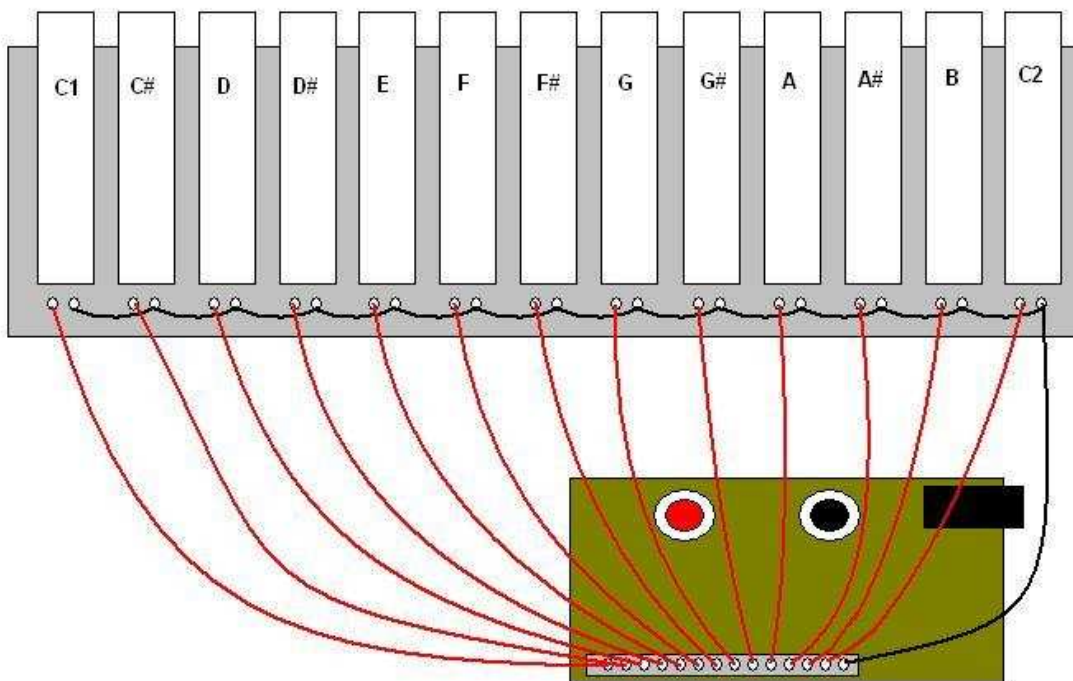
### Selecting the MIDI Channel

The kit comes defaulted to MIDI Channel 1. The channel is selected via the jumper block on the board. Each jumper selects the numbers 8, 4, 2 and 1 from left to right. The MIDI Channel is determined by selecting the jumpered value from 16. For example, to select MIDI Channel 2 remove the rightmost jumper ( $16 - 14 = 2$ ).

### How to Wire to Your Pedal Board

The MIDI Kit works with pedal boards that have normally open switches (easy to test with a simple ohm meter...the connection should only be complete when the pedal is engaged). Refer to the diagram below to wire the kit.

1. One side of each pedal switch is wired to pins 1-13 on the wiring connector
2. The other side of each pedal switch is wired in series to pin 14 on the wiring connector



### Support

Any support questions can be directed to [blevine@cfl.rr.com](mailto:blevine@cfl.rr.com).