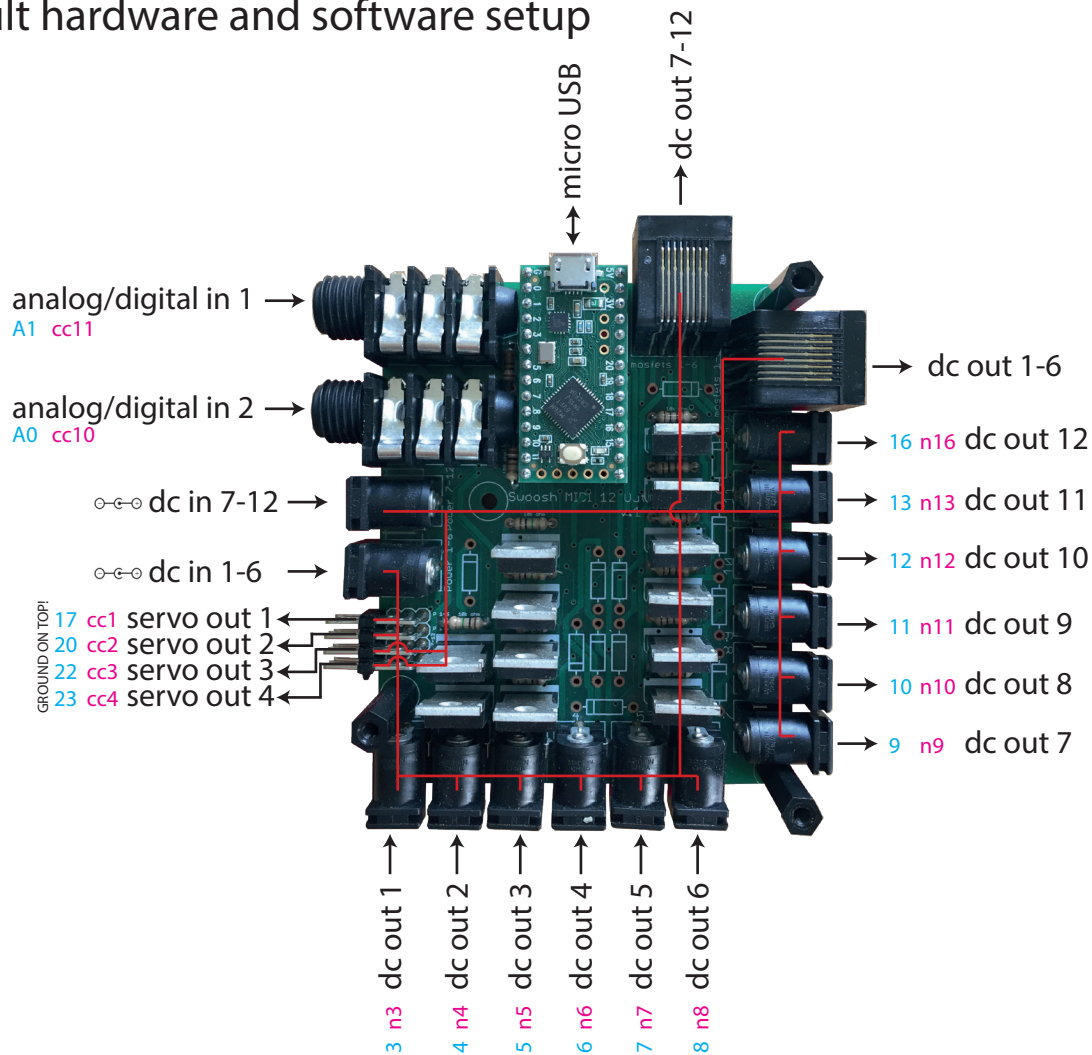


An open source platform for motor control specially designed for musician and artists looking for MIDI over USB control of physical inputs and outputs. Powered by a Teensy.

Default hardware and software setup



Blue font is Teensy pin number

Magenta font is preprogrammed MIDI mapping (cc: continuous controller number, n: note number)

features:

- preprogrammed as a class compliant MIDI device (no special driver needed)
- control 12 DC electronic devices independently with MIDI note numbers
- control 4 servo motors with MIDI continuous controller messages
- two power inputs make it possible to power devices at two different voltages from a single board
- two 1/4" ideal for MIDI foot or expression pedals but would work with any controller that can be read on an analog/digital teensy pin
- programmable with the Arduino IDE to run code independent of another computer

output uses:

Solenoids
Motors
Servos
AC relays

input uses (tip: pin, ring: +3.3v, sleeve: GND):

digital input (foot pedals, buttons, switches, etc.)
analog input (expression pedals, knobs, expression pedals)