

Connect an Arduino with Grove Base Shield to your computer.

The serial object (in a special sub-patch, eg. Arduino-communication) will handle communication.

It makes sensors connected to the Grove Shield available to the Max patch through receive objects.

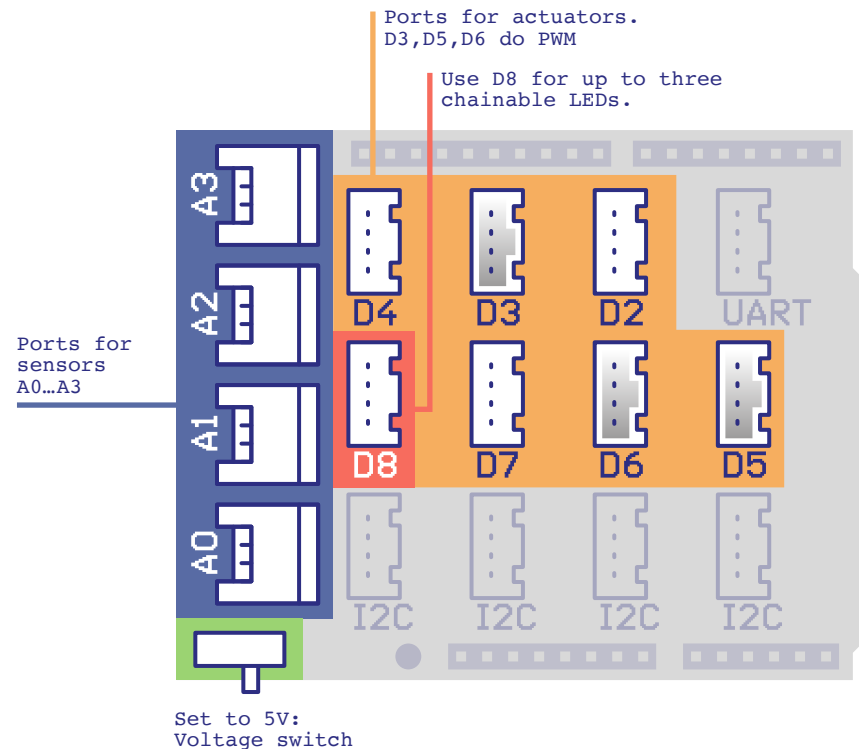
In order for this to work you should upload [talkToMax.ino](#) to the Arduino - or write your own sketch with similar functionality.

The serial data sent and received has to be in accordance with this Max patch and the Arduino sketch.

Ports D3, D5 and D6 can dim LEDs, also known as pulse-width modulation (PWM, done through *analogWrite*). They accept values in the range of 0...255.

The other actuator ports can just be 1 (=HIGH) or 0 (=LOW).

Send three bytes to LED[1...4] to control chainable LEDs connected to pin D7/D8.



A system Setup Guide