

```
int val = 0;
int lastVal = 0;
int val2 = 0;
int lastVal2 = 0;
int val3 = 0;
int lastVal3 = 0;

void setup()
{
    Serial.begin(9600);
}

void loop()
{
    val = analogRead(0)/8;
    if (val != lastVal)
    {
        MIDIMessage(176,1,val);
    }
    lastVal = val;

    val2 = analogRead(1)/8;
    if (val2 != lastVal2)
    {
        MIDIMessage(176,2,val2);
    }
    lastVal2 = val2;

    val3 = analogRead(2)/8;
    if (val3 != lastVal3)
    {
        MIDIMessage(176,3,val3);
    }
    lastVal3 = val3;

    delay(10);
}

void MIDIMessage(byte command, byte data1, byte data2)
{
    Serial.write(command);
    Serial.write(data1);
    Serial.write(data2);
}
```