

## RB-Phi-103 Phidgets 4 Channel USB to Analog Output



The PhidgetAnalog 4-Output Produces a voltage over -10V to +10V. This voltage will be asserted up to +-20mA. An error will be reported when this current is exceeded, and the voltage the customer is getting is no longer accurate. The voltage is produced with 12 bit resolution (4.8mV).

The board is not isolated and all 4 channels share a common ground.

All the power is supplied by the USB bus.

### Product Specifications

Characteristic	Value
Output Voltage Range	±10V
Current limit per channel	20mA
Output Voltage Resolution	4.8mV (12 bit)
Output Impedance (channel enabled)	0.5 Ohm
Output Impedance (channel not enabled)	4k Ohms
USB Voltage Range	4.5-5.25VDC
USB Max Current	300mA
USB Quiescent Current	55mA
Capacitive Load Stability	4000 pF
Terminal Block min/max wire gauge	16-26 AWG
Isolation	Not Isolated: all channels share common ground
Operating Temperature	0 - 70°C

**Product Features**

- Produces a set voltage from -10V to +10V
- Current up to  $\pm 20\text{mA}$  per channel
- You can connect up to 4 devices
- Can be used to control LED and Fluorescent Dimmers, Valve Actuators, Motor Controls.
- Connects directly to a computer's USB Port

**Comes packaged with:**

- A Hardware mounting kit (4 nuts and bolts, 4 plastic spacers)