

AD2 – DC Voltages

Last updated 10/7/25

Analog Discovery 2 – DC Voltages

Always connect
at least 1 gnd

- **Create** a DC supply voltage - Supplies

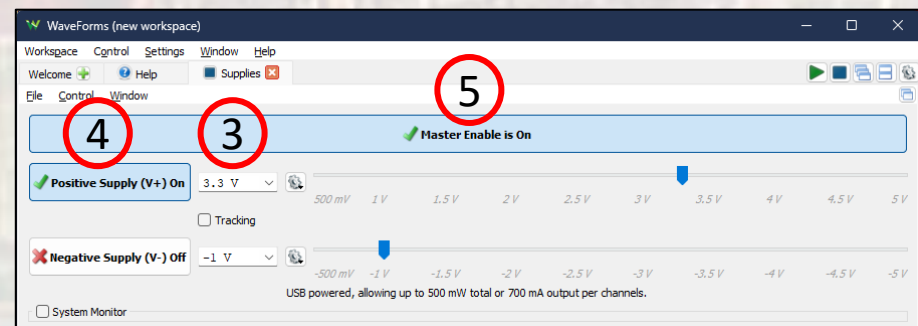
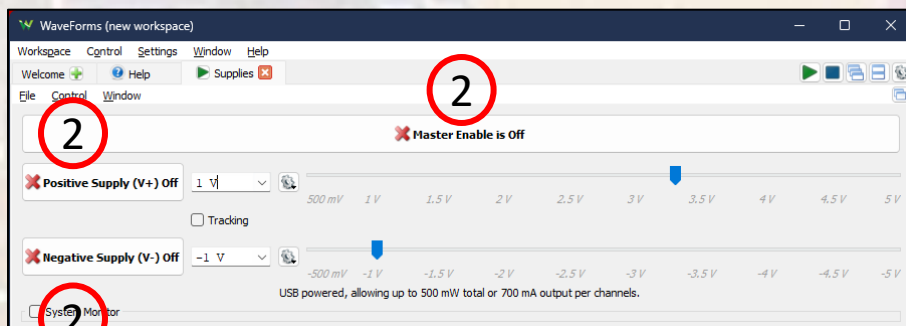
- Uses **V+** and **V-** as outputs
- V+ (500mV → 5V), V- (-5V → -500mV)

- We will only use the positive supply

- Process

1. Select **Welcome +** → **Supplies**
2. Turn off all 3 supply enables
3. Select the desired supply voltage
4. Enable the Positive Supply
5. Enable the Master Enable

Only enable the power supplies
after connecting ALL of your
circuit component



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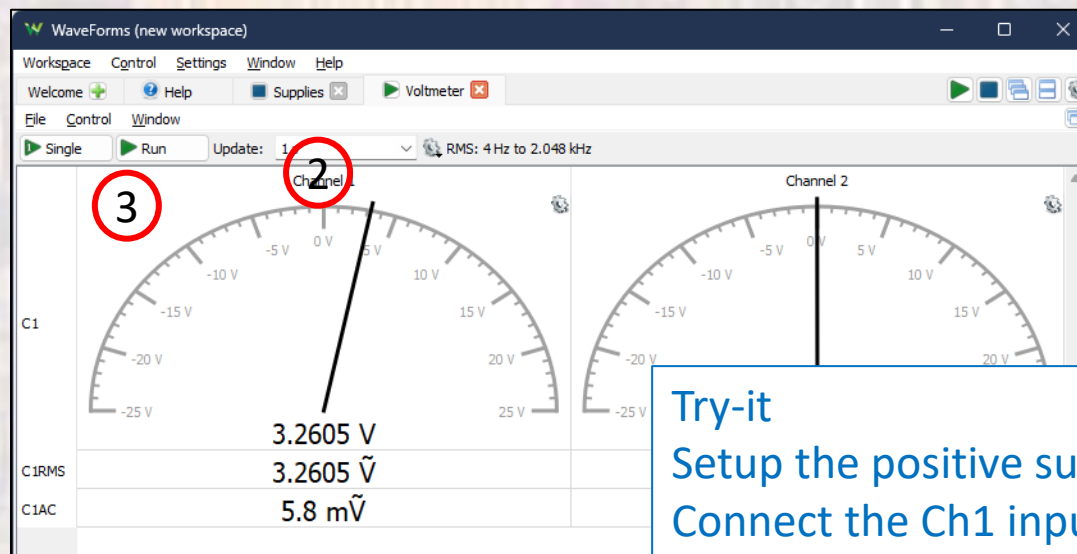
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- **Measure** a DC voltage - Voltmeter

- Uses the 1+ and 2+ inputs

- Process

1. Select **Welcome +** → **Voltmeter**
2. Select a measurement update rate
3. Select run



Try-it

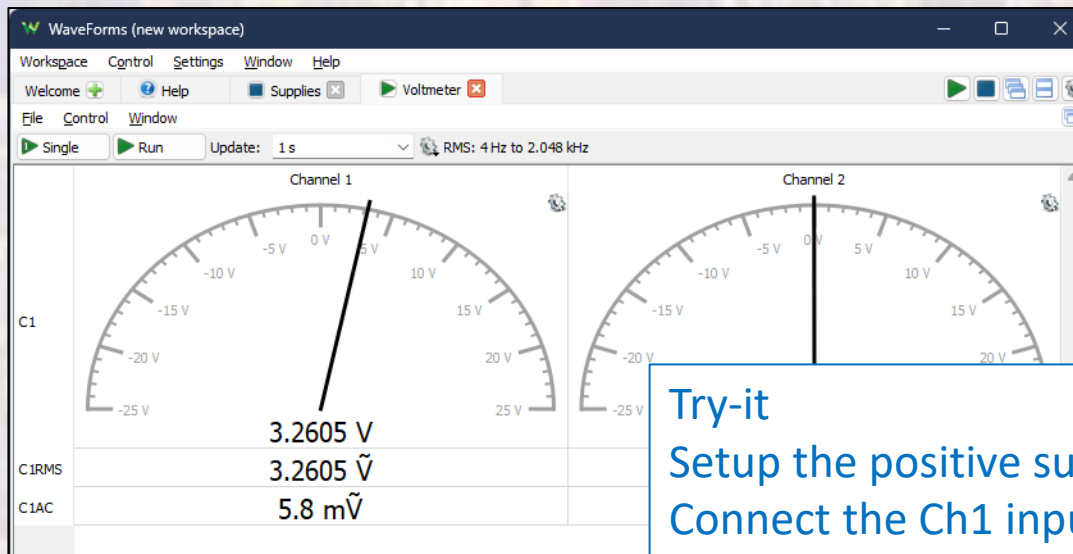
Setup the positive supply to 3.3V

Connect the Ch1 input to the V+ output

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Always connect
at least 1 gnd

- DC voltage
 - Create and measure DC voltages



Try-it

Setup the positive supply to 3.3V

Connect the Ch1 input to the V+ output