

Calibration:

You need to calibrate the high voltage BEFORE installing Geiger tubes. The HV calibration steps are:

1. Trim P1 potentiometer to approximately 50 ohm when kit power is off.
2. Connect positive Tube Clip to pins (R6) with a jumper wire.
3. Connect multimeter black probe to any GRN point
4. Connect multimeter probe after R10 point
5. Set your multimeter on 20V DC range.
6. Power up the device (PCB washed and IC555 installed).
7. Adjust voltage with P1 to 6.5V if you use 1M multimeter or adjust the voltage 57V if you use 10M multimeter .Use formula: $V_{out} = V_{read} * ((60M + R_{voltmeter}) / R_{voltmeter})$