

*Center trim pot R57.

Apply power to the VCF 2 module: Either bipolar 12V or 15V.

Verify that power is available to the module:

Using a DC volt meter, measure between ground (one of the corner mounting holes) and: *U2 (TL074) Pin 4: Should read V+ less about a volt. *U2 (TL074) Pin 11: Should read V- plus about a volt.

Trim pot calibration:

Trim pot R57 adjusts the filter center frequency tracking. This procedure adjusts the tracking to 1 volt per octave.

The typical tracking range is around 3 to 4 octaves based on component tolerances used.

Set up the following patch:

*Patch a 1V/O source into the **1V/O in** jack.

*Patch the 24dB LP output into an audio amplifier. Make sure the amplifier is fully attenuated before patching.

*Raise the amplifier volume to a comfortable level. You should hear a sine wave oscillation.

Apply a "C1 (0V)" from the Keyboard or MIDI/CV controller. Measure the pitch with the pitch tuner:

*Adjust the Frequency control to any frequency. I prefer C1 (32.7 Hz).

*Apply a C2 (1V) or, one octave up from the keyboard CV.

*Adjust R57 until the output pitch is up one octave. Or C2 (65.4 Hz) if referencing C1.

*Continue to C3 (130.8 Hz) and C4 (261.6 Hz) adjusting R57 at each octave.

*Check the 3 octaves from C1 to C4 to verify tracking.

*Try adjusting C5 (523.2 Hz) if you wish. It may work based on the tolerance of components used. Typically, it will trend flat as the CV is increased.