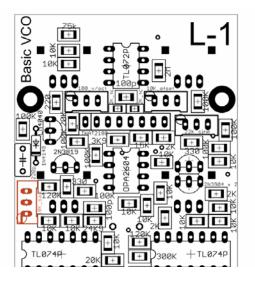
# L-1 SYNTH

### Basic VCO – Trimming.

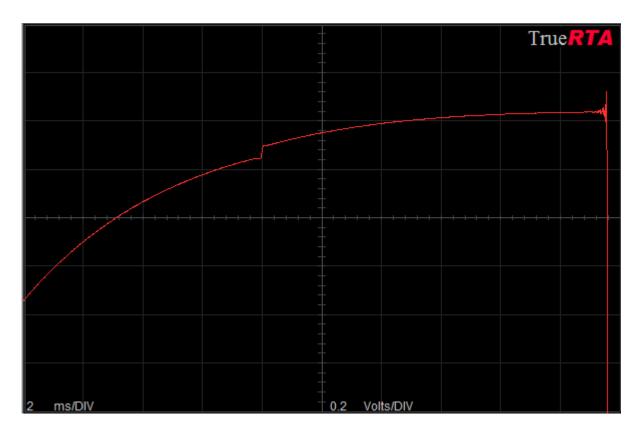
An oscilloscope is needed to trim VCO. If you don't have an oscilloscope, you can use True RTA software. Free download <u>https://www.trueaudio.com/downloads/TrueRTA\_setup.exe</u>

1. Saw wave.

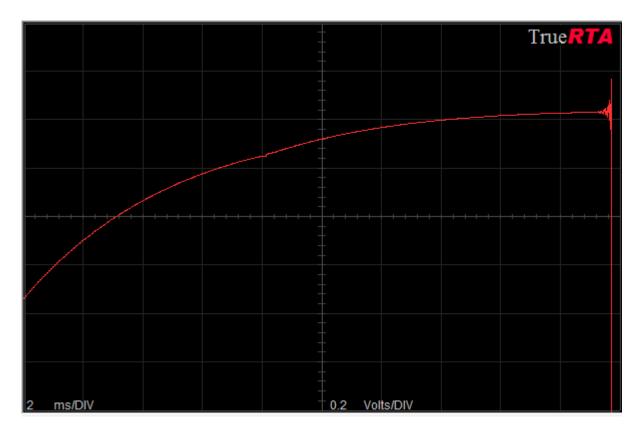


Adjustment of a docking point of the saw wave.

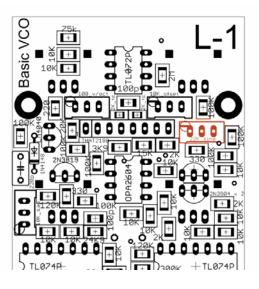
Before:





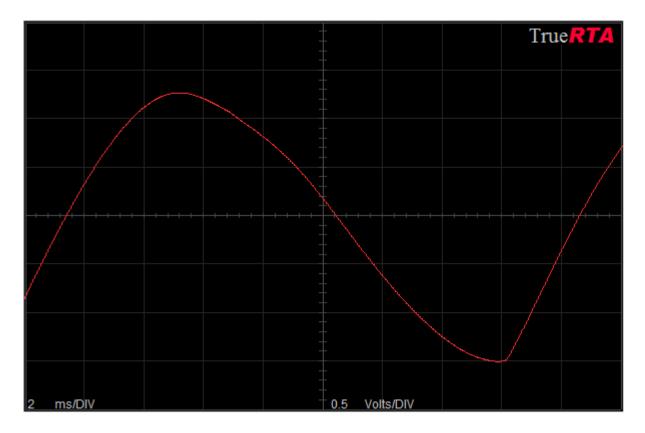


#### 2. Sine wave

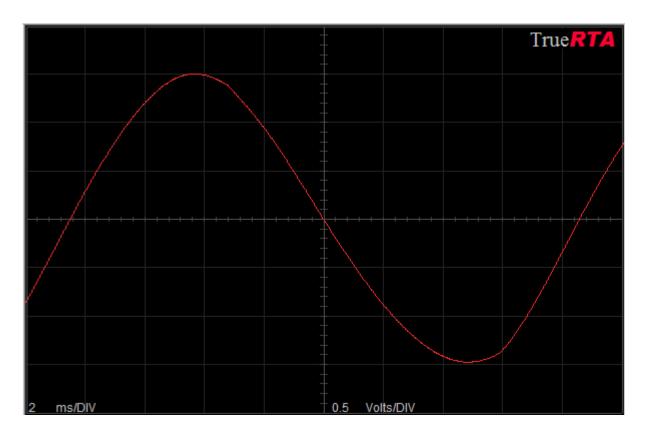


Adjustment of symmetry of the sine wave.

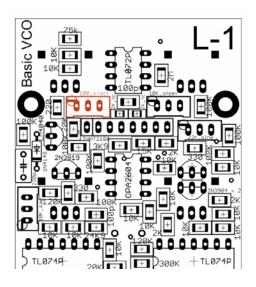
## Before:



After:



### 3. Volt-octaves.

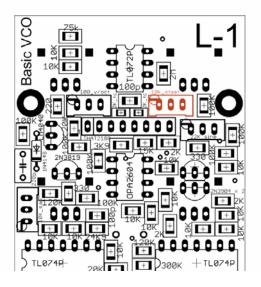


I use tuner in Cubase software which I use for recording.

Just trim to have correct v/oct response. Turning the trimpot in side which increased pitch decreases intervals and inversely. It's easy to trim from C0 to C5 with zero cents tolerance.

Audio 01: Ins. 1 - Tuner			
0 =	RW		<b>Q</b>
b		Cent: 0	#
		č	
Freq:	262 Hz		Oct: 3
		•	

4. Offset



This trimpot just sets offset voltage. Turn COARSE pot to min, FINE pot to max. Trim to desired note, CO for example.