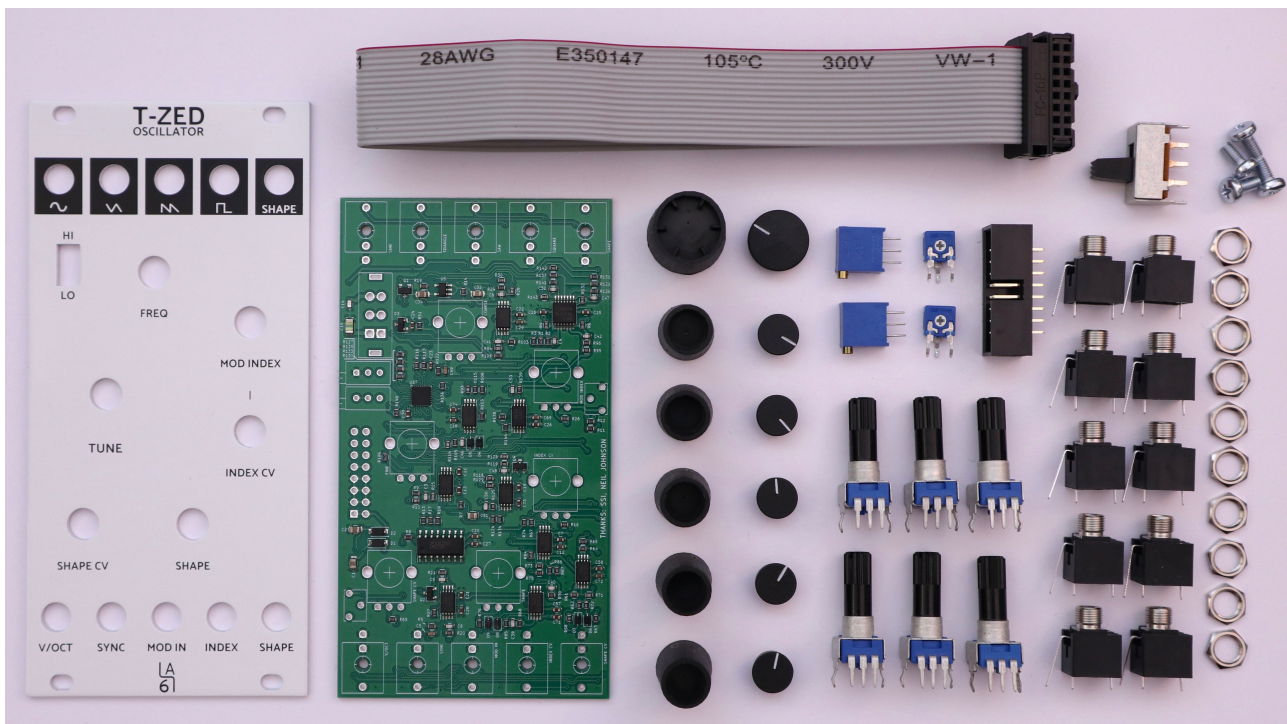


Thank you for purchasing the La 67 T-ZED oscillator DIY kit. Included is everything needed to build a fully functional T-ZED oscillator module for your Eurorack modular synthesizer:

- T-ZED front panel
- T-ZED PCB with SMT components installed
- 6 x Song Huei potentiometers
- 10 x Thonkiconn jacks and nuts
- 6 x Cliff knobs and caps
- 4 x trimmer potentiometers
- 1 x DPDT switch
- 1 x 2x8 power header
- 1 x Eurorack power cable
- 4 x M3 mounting screws



Please contact your point of purchase if any components are missing from the kit. Alternatively, you can contact La 67 directly via the contact form here: <https://www.lasesentaysiete.com/>

More information about the T-ZED oscillator module can be found here: <https://www.lasesentaysiete.com/t-zed>

Bill of Materials

Component	Quantity	Specification	Reference
Threadless pot	6	b10k	all pots
Jack	10	Thonkiconn	all jacks
Big knob	1	Spline shaft	TUNE pot
Small knob	5	Spline shaft	all pots except TUNE
Big cap	1	(for big knob)	
Small cap	5	(for small knob)	
Trimmer pot	2	5k multiturn	V/OCT, HFT
Trimmer pot	2	100k singleturn	MOD BIAS, BASE FREQ
DPDT switch	1		HI/LO
Power header	1	2x8 pin	
Power cable	1	16-16 pin	

Build Notes

The potentiometers and jacks are to be installed/soldered on the "panel" side of the PCB (the one with the SMT components). Only the 2x8 power header is to be installed on the rear of the PCB. Recommended soldering order:

1. 2x8 power header (mind the orientation)
2. trimmers
3. jacks
4. DPDT switch
5. potentiometers (dry fit with panel in place first)

Calibration Notes (T-ZED set to in HI range)

1. Set the base frequency via the BASE FREQ trimmer (10hz recommended).
2. Adjust the MOD BIAS trimmer until the MOD INDEX potentiometer has no effect on the oscillator's frequency (make sure no input is present at MOD IN).
3. Adjust tracking via the V/OCT and HFT trimmers. HFT is used to correct inaccuracies in the high frequency range (>2-3khz).

"VCO Tuner" is an excellent v/oct calibration tool. It can be found here:

<https://github.com/TheSlowGrowth/VCOtuner/releases/tag/v0.2.3>

<https://www.youtube.com/watch?v=JpMFTOBXuv8>