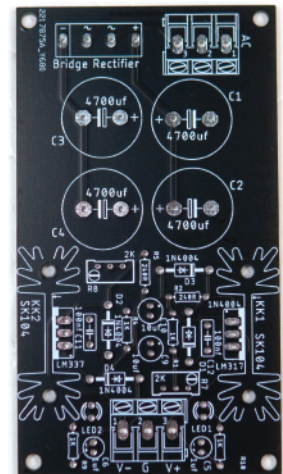


LM317 / LM337 PSU V1.1

This power supply PCB provides an adjustable and stable dual-rail power solution for Eurorack systems and other audio electronics projects. It is designed to operate from an external AC transformer, generating regulated bipolar supply rails suitable for analog audio circuits.

The design combines a switching regulator stage with linear regulation to achieve efficient operation and reliable performance. Clear labeling and a practical layout make the PCB suitable for DIY builders with basic electronics experience.

In addition to Eurorack applications, the board can be used to power a wide range of audio and electronic projects that require a dependable dual-rail supply.



Bom

Qty	Value	Part Number
2	Screw Terminal	X1, X2
2	3mm LED	LED1, LED2
1	LM317	LM317
1	LM337	LM337
2	100nf	C11, C12
2	10uf	C9, C10
4	1K	R1, R4, R9, R10
4	1N4004	D1, D2, D3, D4
2	1uf	C5, C6
2	240R	R2, R5
2	2K / Trimmer	R7, R8
4	4700uf	C1, C2, C3, C4
1	2KBB-R / Bridge Rectifier	BRIDGE
2	SK104 / Heatsink	KK1, KK2

Use capacitors rated 25V or higher.

Calibration

Adjust R7 to set the output voltage for the positive rail (+V), and adjust R8 to set the output voltage for the negative rail (-V).

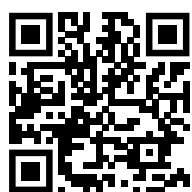
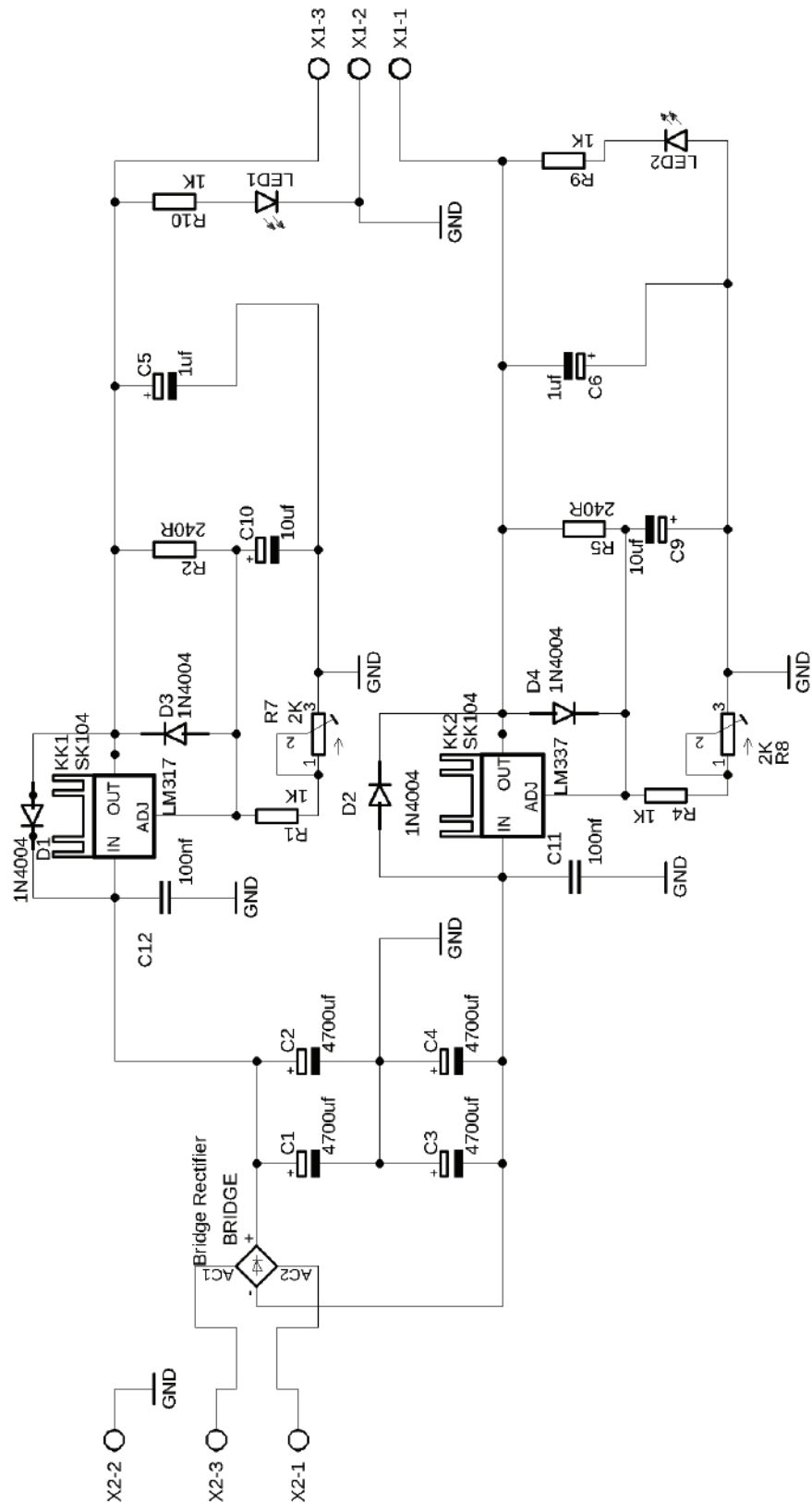
AC Input (X2):

X2-1: AC2

X2-2: CT (0V Ground)

X2-3: AC1

Schematic



Thanks you for choosing Guru Gara Synth.
For more information please contact gurugarasynth@gmail.com