

Noise V111 karltrn.com/noise november2021				
Step	Qty	Reference(s)	Value	Note
1	1	C3	10n	
2	8	C4, C5, C6, C7, C8, C9, C11, C12	100n	
3	1	C10	2u2	
4	3	R11, R13, R26	2M2	note R26&27 are mislabeled on PCB version 111. The 2M2 should be on top(marked R27), and the 10K should be on the bottom (marked R26).
5	14	R1, R12, R14, R15, R17, R19, R21, R22, R23, R24, R27, R28, R29, R30	10k	
6	1	D2	1N4148	
7	1	U1	TL072	
8	1	U2	TL074	
9	1	Q1	2N3904	
10	4	R2, R16, R18, R20	100k	
11	5	R3, R4, R5, R6, R7	470R	output protection could be 100R through 1K
12	2	R8, R25	4k7	
13	3	J9, J10, J11	01x04 pin header female	inside frontpanel
14	3	J6, J7, J8	01x04 pin header male	inside rear panel
15	2	C1, C2	10u	electros, fold over
16	2	R9, R10	10R	power inlet fuse, could omit(bridge) or use diodes
17	1	J12	02x05 power inlet (shrouded)	
Fit steps 18-22 to faceplate before soldering				
18	1	TRIM1	B200K	fit to faceplate flush
19	1	D1	LED - 3mm	
20	5	J1, J2, J3, J4, J5	thonkiconn	
21	1	RV1	B100K	snip tabs
22	1	RV2	B10K	

#### Calibration

The trimmer is to set the reasonable range of the trigger output. Turn the second knob (marked 0/+) to 3-o'clock and adjust trimmer until the speed of output is fast but not constant.