

Modding-Hot rodding your Etherwave

- External input

inject any signal and control the volume with your hand. Remember that the etherwave VCA behaviour is no-linear.

- Pre volume antenna output

You can listen the sound before the hand leave the volume antenna or see. So you can see on a tuner or listen and adj the pitch.

- Headphone output

- Mute circuit with pedal

- Control Voltages outputs

please contact theremin@fastwebnet.it for these faeature

Building a clone

Resistors 1/4watt 5%

33	R11,R20,		2pcs
470	R10,R15,R17,R19,	4pcs	
1K	R1,R4,R5,R8,	4pcs	
2k2	R2,R6,R13,R16,R21,	5pcs	
2k7	R18		1pc
4k7	R24,R26,R31,R32,R33,R34,	6pcs	
10K	R9,R12,R22,R23,R39,R40,	6pcs	
47k	R3,R7,R30,R38,	4pcs	
100k	R29,	1pcs	
150K	R27,R28,		2pcs
330K	R25,	1pc	
1M	R14,R36	1pc	
3M3	R37,	1pc	
4M7	R35,	1pc	
			tot 40pcs

Capacitors

15p =	C2, C6	ceramic disc NPO	2pcs	
22p=	C16,			1pc
39p=	C9			1pc
100p=	C12		1pc	
1n8=	C14,			1pc
3n3 =	C1, C5,C24,		3pcs	
4n7=	C23,			1pc
6n8=	C15,			1pc
10n =	C3, C7,C26		3pcs	subtot=14
100n=	C27,C28,C21,C22,	poly	4pcs	
1uF =	C4, C8,C13,C17,C18,C25, C29	50volt	7pcs	
100uF=	C11,C10,	50volt	2pcs	
2200uF=	C19,C20,	25volt (h)		2pcs

Semiconductors

1N4148=	D1, Ddetector, D5,		3pcs	
1N4007=	D2, D3,			2pcs
LM78L12=	U1			1pcs
LM79L12=	U2			1pcs

T1=T8=2N3904

U1= LM 13700

Coils

3pcs Toko154ANS-T1017Z (type 10EZH)

47uH
L5=L6=L11

2pcs JWMiller 70F475AI
47uH
L12=L13

1pc JWMiller 70F225AI or **77F220K** / 70F335AI or 77F330J
22 /33uH
L14

4pcs JWMiller 6306
10mH
L1-L4

2pcs JWMiller 6304
5mH0
L9-L10

2pcs JWMiller 6302
2mH5
L7-L8