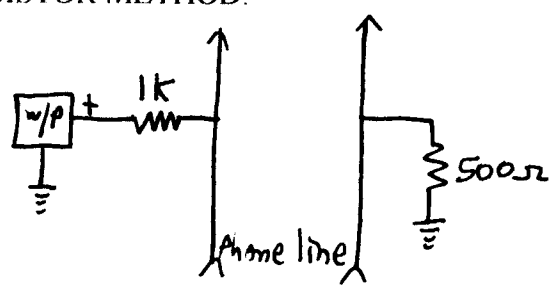
WHITE / PINK NOISE GENERATOR

RANDOM DIGITAL NOISE GENERATED FROM A 33 BIT SHIFT REGISTER WITH CLOCK FREQUENCIES BETWEEN 30-1MEG HZ, OUTPUT IMPEDANCE OF 1000OHMS. INPUT OF EITHER 9-15VDC OR PHONE LINE POWERED.

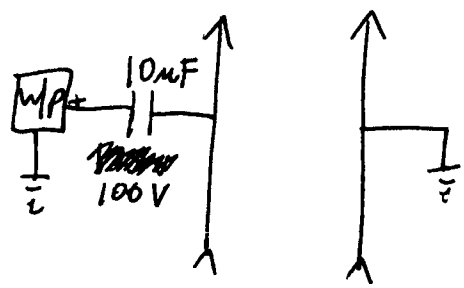
THIS DEVICE CAN BE CONNECTED TO PHONE LINES. THERE ARE MANY WAYS TO CONNECT IT CORRECTLY...SOME WAYS DO NOT WORK WELL BECAUSE OF NOISE INTERFERENCE FROM SHIFTING OR FREQ CROSSING.

WE WILL SHOW 4 WAYS TO CONNECT THIS DEVICE TO YOUR PHONE LINE FOR MAXIMUM IN SECURITY.

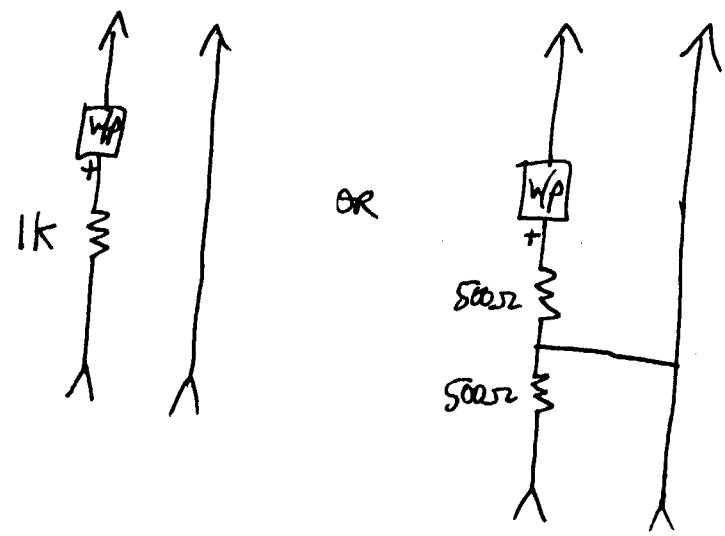
RESISTOR METHOD:



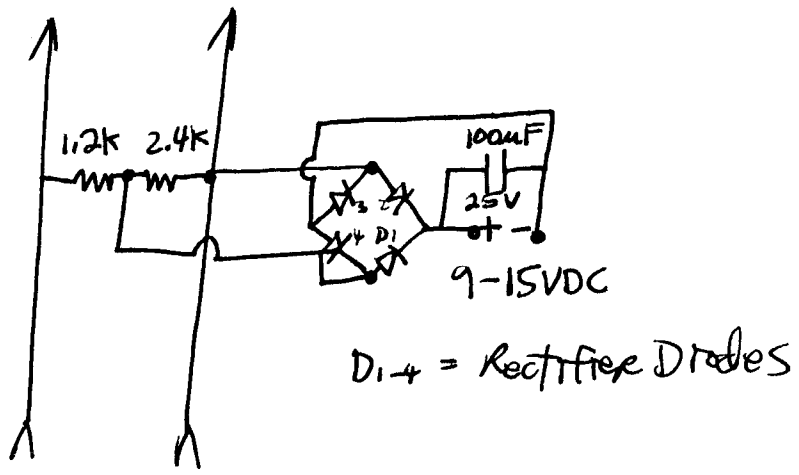
CAPACITOR METHOD:



SERIES OR PARALLEL METHOD:



HERE IS THE CIRCUIT FOR POWERING IT FROM THE PHONE LINE:

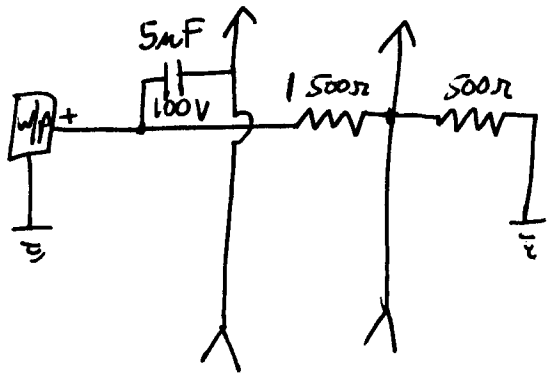


THIS DESIGN WILL ALLOW THE ULTIMATE IN PHONE SECURITY, THERE IS NO DESCRAMBLER ON THE MARKET THAT CAN LEARN OR DECIPHER THE CODES FROM THIS UNIT. NOT YET, IT WOULD TAKE A SUPER COMPUTER TO DO IT. FEEL SAFE WITH THIS UNIT ATTACHED TO YOUR PHONE...

HOW IT WORKS IN A SENSE.

IT IS PLACING A RANDOM SIGNAL ONTO THE CARRIER WAVE THAT YOUR VOICE IS CARRIED ON. THE SIGNAL MERGES WITH YOUR VOICE AND IS ADDED ON THE CARRIER SIGNAL. THE TWO CANNOT BE SEPARATED. THE NOISE VARIES FROM ABOVE TO BELOW THAT OF THE CARRIER CAPABILITIES, THEREFORE LOW END OR HIGH END CARRIER RIDING BUGS OR PHONE RECORDERS WILL HAVE STATIC ON THEIR END, THE RANDOM SIGNAL GOES HIGH AND LOW THERE FORE JAMMING BUGS.

COMBINATIONS METHODS:

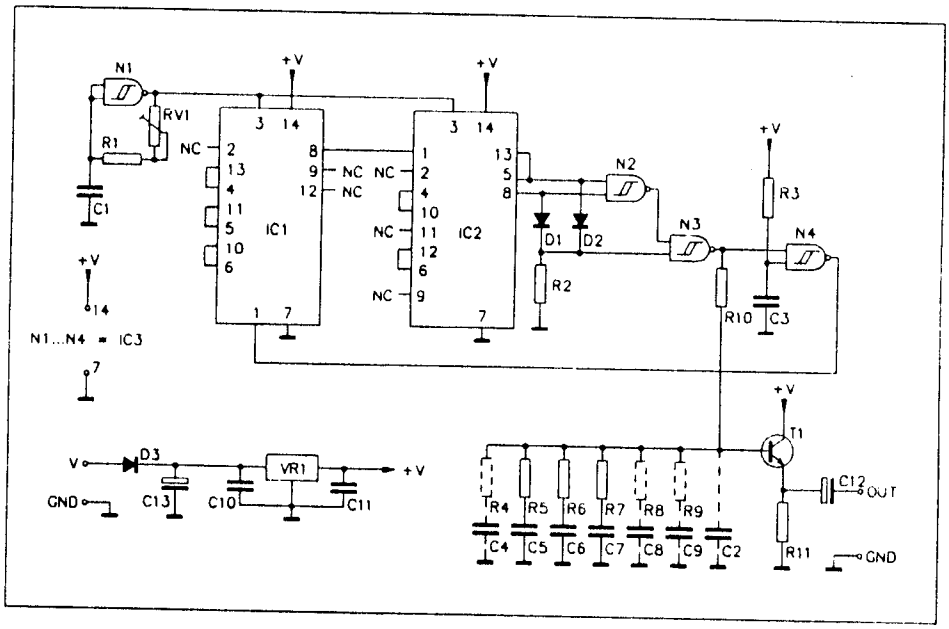


HERE IS THE PARTS LIST TO BUILD ONE:

C1=NONE
C2=.1uF 250V
C3=10nF OR MARKED 103
C4=1nF OR MARKED 102
C5=680pF OR MARKED 681
C6=10nF OR MARKED 103
C7=47nF OR MARKED 472
C8=NONE
C9=NONE
C10=100nF SIBATIT CAP
C11=SAME ABOVE
C12=10uF 25V
C13=100uF 25V
IC1=CD4006
IC2=CD4006
IC3=CD4093
RV1=220K TRIMMER POT
VR1=78L08 VOLTAGE REGULATOR
T1=BC547 TRANSISTOR
D1, 2=1N914 OR 1N4148 SIGNAL DIODES.
D3=ANY DIODE FROM 1N4000 SERIES.
R1=10K

R2, R3=100K
R4=1.2K
R5=47K
R6=22K
R7=10K
R8, R9=NONE
R10=220K
R11=1K

SCHEMATIC DIAGRAM



PARTS LAYOUT FOR OUR KIT...