

CT Ghostbox Research

The Technology of the GHOST BOX



The Ghostbox has been called "*the first two-way communication device between the earthly realm and the spiritual realm*". Ever since Thomas Edison introduced the concept, the idea of communicating with the dead without a spirit medium has been a subject of intrigue for decades. Above is Chris Salois' CGB4, modified from a Radio Shack 12-589 with an adjustable rate, linear frequency sweep.

The modified radio above is only part of the Ghostbox researcher's toolbox. Proper research must be conducted with a voice recording device such as the Zoom H2. During a session, the Ghostbox is adjusted to a frequency sweep rate and volume to suit the researcher's taste, the recorder is turned on, and contact is attempted. The researcher will often prompt the box with questions...

Sometimes the answers are surprising.

Listen to this [sample session](#):



In theory, the rapidly changing channels provides access to both the energy and the opportunity for disembodied spirits to associate our phonemes, the bits and pieces of our spoken language into what they need to communicate. It doesn't particularly matter if they have learned to manipulate energy and matter via psycho kinetics, or if they exist in a three dimensional, parallel reality, and they use devices similar to our own - the results speak for themselves.

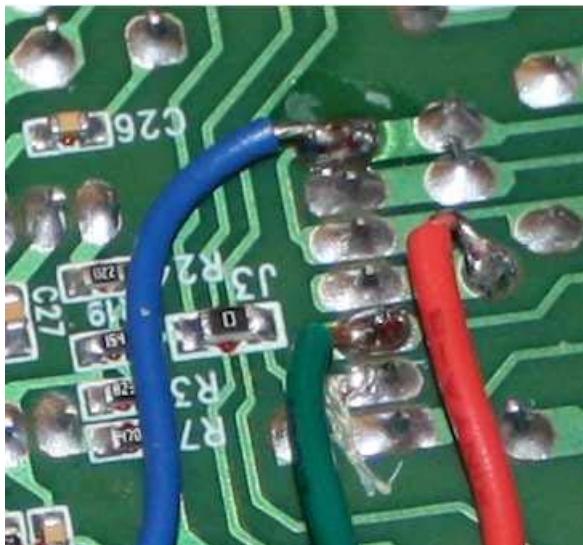
The conversion of a common radio into a Ghostbox is relatively simple. All you need to do is to interrupt the radio's electronic tuning circuit, and insert a small,



The insertion of the sweep circuit can be intimidating when you first take the cover off a perfectly good radio with intent to tinker.

Actually, today's circuit boards are relatively tolerant to someone with a small soldering iron. That greenish color is called a "solder mask", and it helps prevent hot solder from bridging circuits during the manufacturing process. While this protective coat is not "idiot proof", it does help you find some confidence when you are the one holding the iron.

For as foreign and intimidating as this may look, the only detail you have to attend to in here is the red and green wire from the tuning circuit.



For a more detailed discussion on building a GhostBox, please read:

[How To Build a Ghostbox \(pt1\) Radio Preparation](#)

[How To Build a Ghostbox \(pt2\) Sweep Circuit](#)

tunable sweep circuit shown to the left.



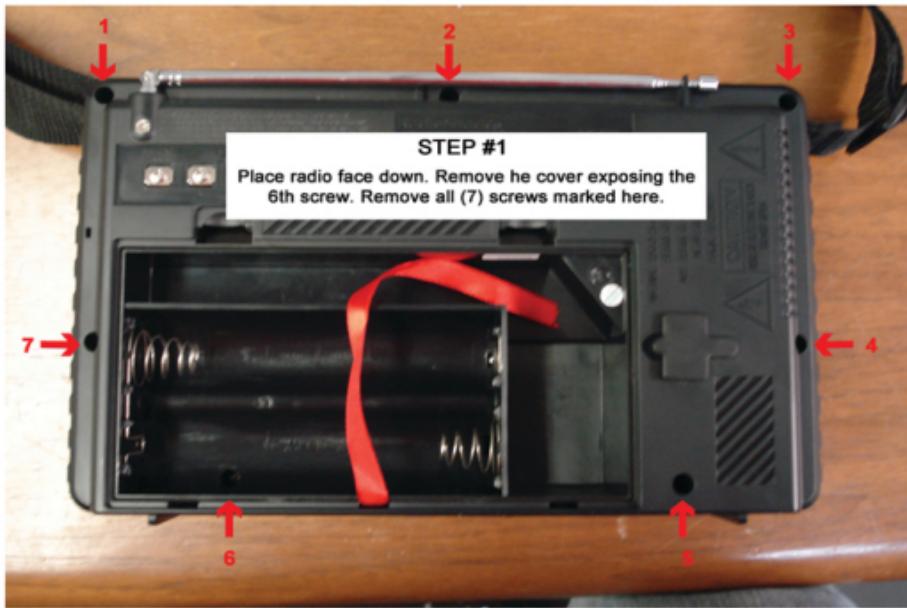
The picture to left details the soldering locations for the red and green wires from the tuning circuit. The blue wire is a "Jumper" circuit that was installed during the manufacturing process.

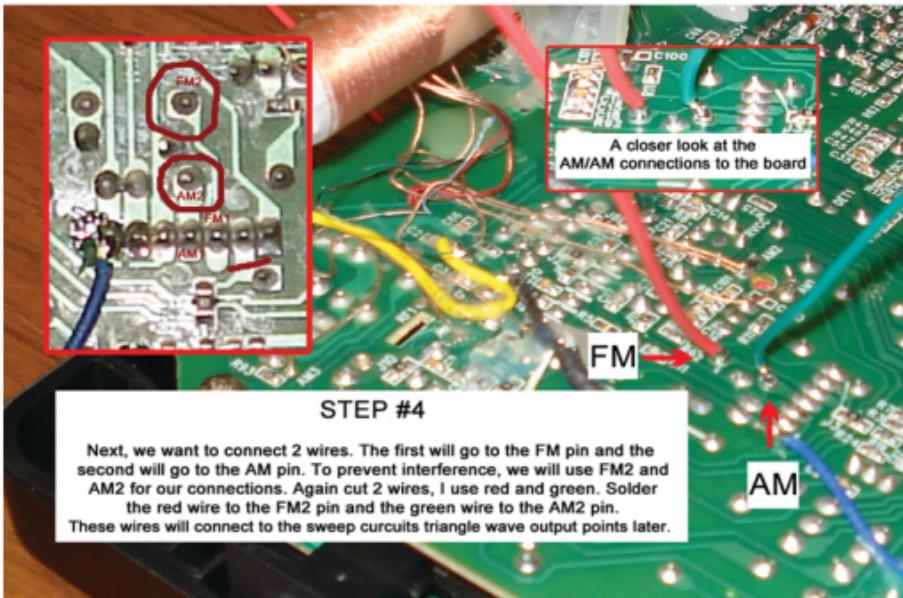
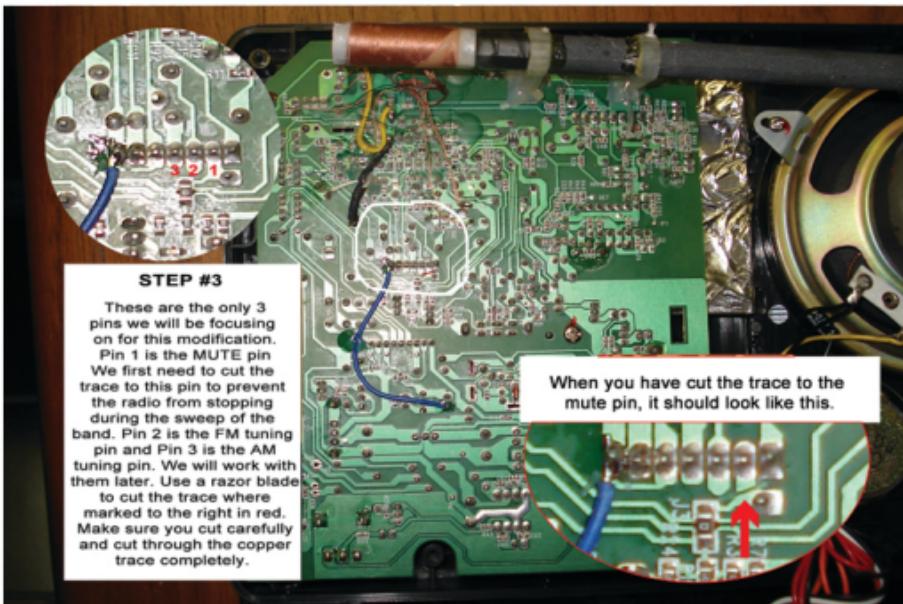
Please note that this only applies to the Radio Shack 12-589. If you start hacking into anything else, all bets are off.

The trick to making successful connections in this world is that the solder must be hot enough to flow and fill the voids in the wire strands, and penetrate the through holes on the board. If the iron is too hot, you can burn the circuit board, requiring more extensive repairs. If you have never done this before, I would suggest that you practice on something else first until you can make a clean looking connection. It does take some practice.

If you have any questions or need tech support with any of the CGB boxes, please contact Chris at ghostbox2010@live.com.

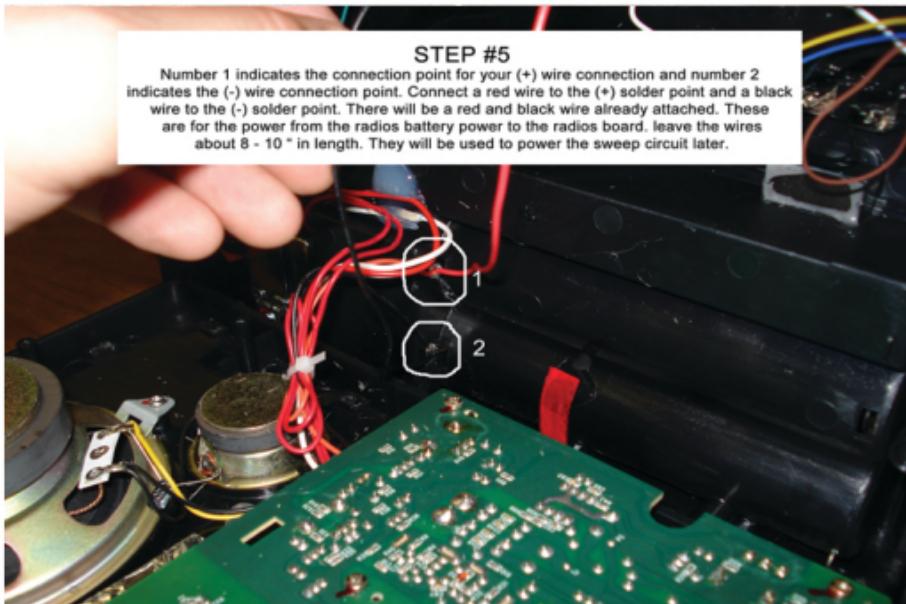
[Ghostbox Home Page](#)





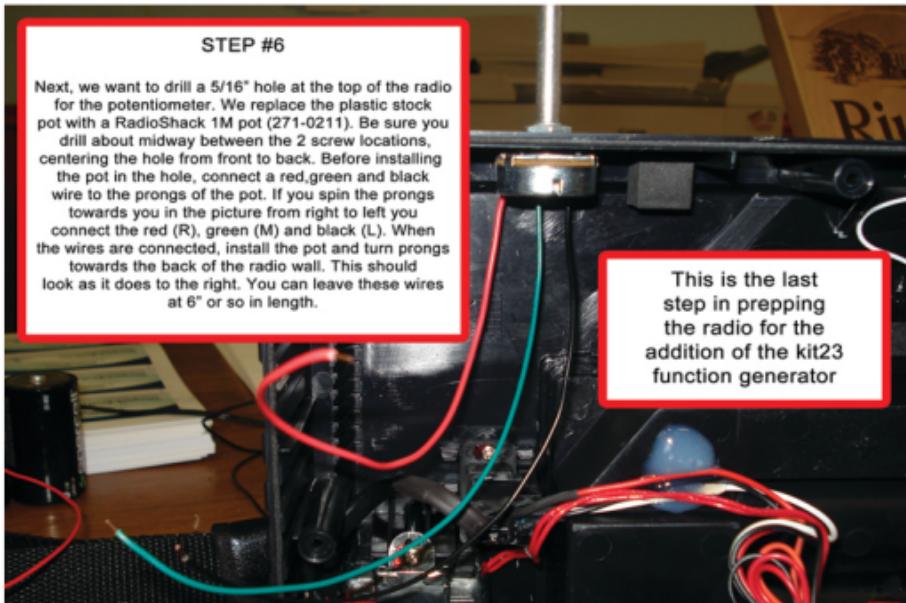
STEP #5

Number 1 indicates the connection point for your (+) wire connection and number 2 indicates the (-) wire connection point. Connect a red wire to the (+) solder point and a black wire to the (-) solder point. There will be a red and black wire already attached. These are for the power from the radios battery power to the radios board. leave the wires about 8 - 10 " in length. They will be used to power the sweep circuit later.



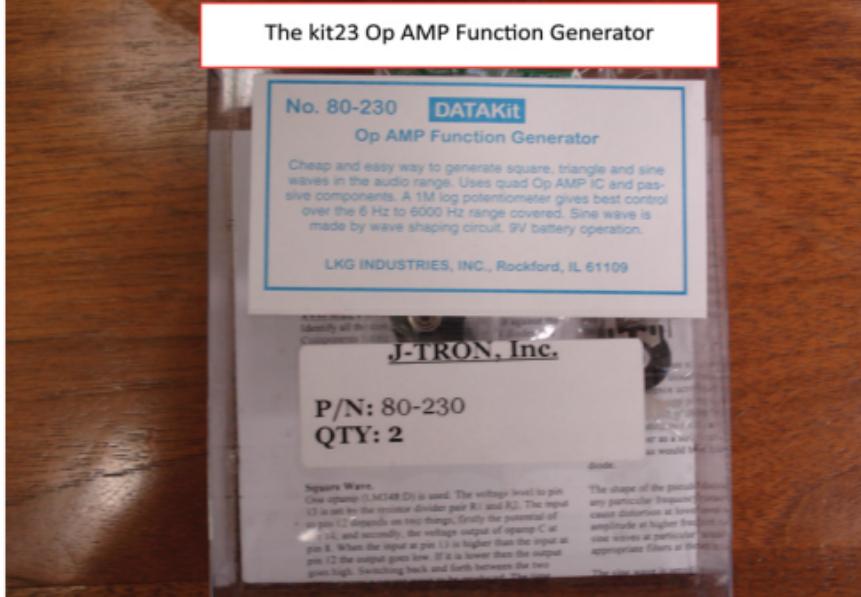
STEP #6

Next, we want to drill a 5/16" hole at the top of the radio for the potentiometer. We replace the plastic stock pot with a RadioShack 1M pot (271-0211). Be sure you drill about midway between the 2 screw locations, centering the hole from front to back. Before installing the pot in the hole, connect a red,green and black wire to the prongs of the pot. If you spin the prongs towards you in the picture from right to left you connect the red (R), green (M) and black (L). When the wires are connected, install the pot and turn prongs towards the back of the radio wall. This should look as it does to the right. You can leave these wires at 6" or so in length.



This is the last
step in prepping
the radio for the
addition of the kit23
function generator

The kit23 Op AMP Function Generator



KIT 23. OPAMP FUNCTION GENERATOR

ANALOGUE INTEGRATED CIRCUITS / By VERNON D. OLFENBACH
 You do not need a lot of money to have access to the strengths of solid-state devices in the audio-range. There can be some investment in equipment to design and fabricate your own integrated amplifiers (approximately \$1000 to \$2000) but that is not a 1000-2000-BU range. That cost is offset by the fact that it is a one-time investment. The cost of a prototype circuit can be produced by a single sample or a quantity of samples. The cost of a production model is determined by the number of units produced.

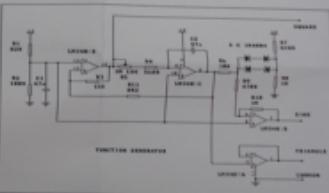
Triangle Wires.

You can also consider the option of all signals (directional information) being sent from the receiver by RF. This can be achieved. The unit provides a line which tends to stay at its resting state before allowing you to bring it to pulse status. The switching action is set up at about 10% of the supply voltage produced by receiver RF and R2. Accordingly the signal required from receiver C to cause switching is taken from this midpoint voltage by R1 (111 k Ω) which is approximately 2/3 the voltage dependent on exciting R1 and its bypassed shunt audience the switching action.

Oscamp-C is set up as an integrator. It performs the mathematical operation of integration with respect to time. For a constant input the output is a constant multiplied by the elapsed time, that is, the output is a ramp. Since the input signal goes to the averaging input, at least two signals are required: a sweep signal and a low input pulse producing a ramp. The ramp signal is a sawtooth wave symmetrical about the zero axis. The sawtooth wave is the product of the two signals. The sawtooth wave is the product of the two signals through both R4 and R3 is constant as the up and down ramps are of equal gradient and the resulting sawtooth wave is symmetrical. Any increase in the value of R3 indicates the current and the integration time constant both lowers the gradient of the ramp.



COMPONENTS	
Resistors, 1% 1/4W	
100k, grey bar resistor	1
100k, grey bar resistor	1
100k black band	1
100k, grey and red	1
100k, grey and red	1
100k, brown green orange	1
100k, grey and orange	1
100k, brown green orange	1
100k, yellow gold yellow	1
1M, brown black green	1
1M film filter pot - variable	1
1N4007 diodes	4
1N4148 diodes	4
1N5399B zener	1
10nF ceramic capacitor	2
1.5MHz IC	1
1.5MHz oscillator	1
1.5V 220mA battery	1
1.5V 220mA battery	1

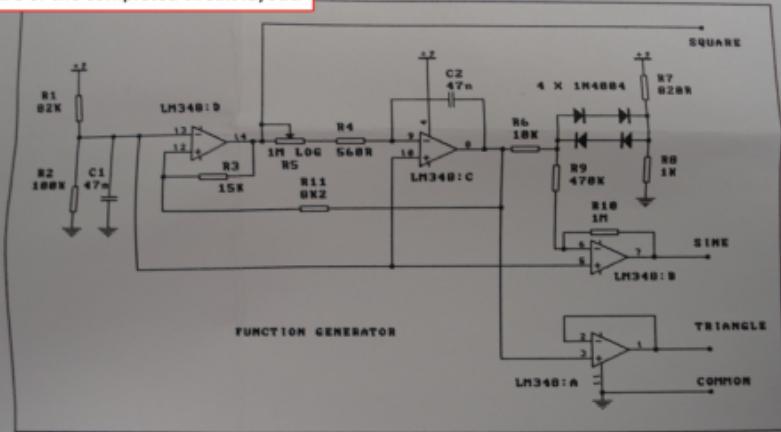


What you'll find inside:

LM348 op amp, PCB, Resistors, Caps, 1M pot, battery connector and complete schematic

Close-up of the schematic

If you can't read a schematic, don't worry. I will give a close-up picture of the completed circuit layout.



COMPONENTS

Resistors, 5%, 1/4W	
560R	green blue brown
820R	grey red brown
1K	brown black red
8K2	grey red red
10K	brown black orange
15K	brown green orange
82K	grey red orange
100K	brown black yellow
470K	yellow violet yellow
1M	brown black green
1M Piher log pot + spindle	
IN4004 diode	
9V battery snap	
47nF ceramic capacitor	2
LM348 IC	1
14 pin IC socket	1
Kit 23 pcb	1

Pictured Here:

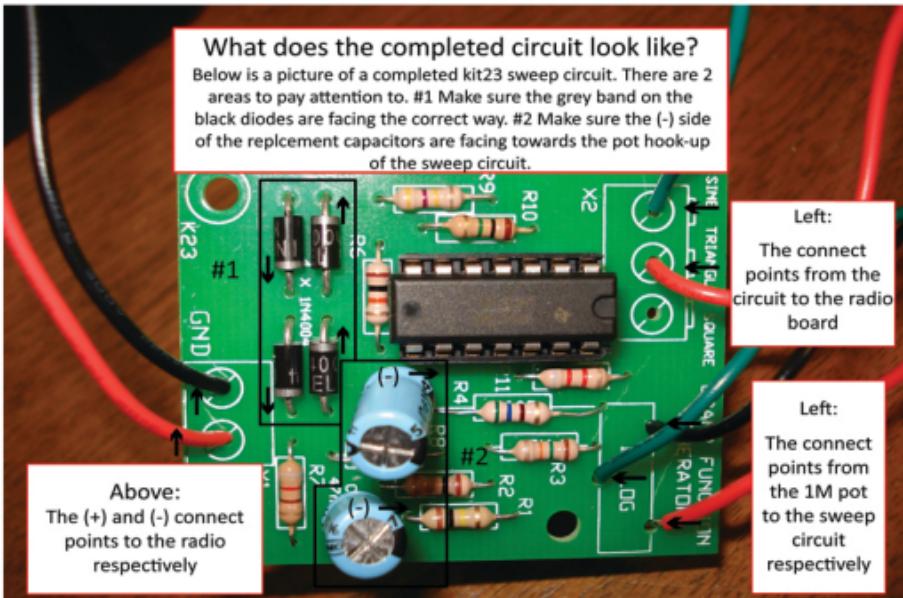
This is the value sheet that comes with the kit23 FG. You'll notice that the values are all laid out so you can easily pick out the correct value component and match it to the proper location on the PCB. We replace 3 stock items with RS replacements.

We use a LM324 in place of the LM348 op amp. We use RS (272-1027) caps in place of the stock caps and a 1M linear taper pot (271-0211) in place of the plastic 1M pot supplied.



What's Inside the kit23?

This is a picture of the components and PCB you will get inside the kit23 Op AMP Function Generator build kit. You will notice that the PCB gives clear indication of where the components are added to the board.



This is the underside view of the completed sweep circuit. Below you will see the hook-up points on the circuit to the respective locations within the radio.

