

Adding a Speaker to the KN-Q7A Kit

By Larry Lovell – N7RGW

Adding an internal speaker can reduce the number of connections on your unit. It makes for a more self-contained unit.

Parts Needed:

- 1) Speaker
- 2) Connector/Cable
- 3) 4 – screws
- 4) 4 – nuts
- 5) Speaker plate or cloth

I found the following at www.allelectronics.com



- 1) 2-1/4" 63 OHM SPEAKER



- 2) CON-406 cable:
Cut the cable into two pieces. Use only the black and white wire.
- 3) Misc. screws

I used a drill to cut the hole in the case, the size of the speaker. It was actually a Knock-out-punch that I used. (Harbor Freight)

Drill 4 holes for the screws. The hole size should fit screws.

I soldered the wire to the speaker. The red wire was clipped short. The black wire soldered to the – on the speaker while the white wire was soldered to the + on the speaker.

I next soldered the other half of the cut cable to the PC board with the black wire connecting to ground while the white wire was connected to “speaker” indicated on the PC board.



Comments: I used an easy mount speaker. Some available speakers are made of material more immune to moisture. Any connector will work, this was available. I took a vent plate from an old computer.