

Radio Shack DSP-40 Mod for Greater Headphone Volume

Steve Kavanagh, VE3SMA

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I found an old Realistic DSP-40 unit (Model 21-539) at a flea market recently. This is a basic DSP audio filter sold at Radio Shack some years ago. I found the headphone volume to be seriously lacking. Plugging the headphones into the external speaker jack was one solution which worked, but was inconvenient for switching between headphones and speaker. To increase the volume at the headphone jack I simply soldered a 47 ohm 1 watt resistor in parallel with R48, which is a 390 ohm resistor in series with the headphone jack. This provided adequate volume. The photo below shows where I fit the resistor in. It is soldered to the two headphone jack pins furthest from the front panel.

