

Op-Amp Filters

The following op-amp filters were developed by Rick Andersen for the Theatre Organ. They should be direct replacements, but *note*: the LM358 op-amp requires a dual power supply. Pin 8 requires a voltage of approximately +10 to +15 volts, while pin 4 requires an equal but negative voltage of -10 to -15 volts.

Filter #4: [Tuba Mirabilis 16'](#)

Filter #10: [Oboe 8'](#)

Filter #12: [Brass Trumpet 8'](#)

Filter #15: [Tromba Clarion 4'](#)

(More to come ... I hope)