

# Hammarlund SP-600 Enhanced Audio

N3FRQ - 29 Nov 2003 Revised 23 April 2004

Low-frequency response of stock SP-600 rolls off at 200Hz. This mod will extend response to 20Hz. Negative feedback flattens response and reduces distortion. Overall gain is reduced by about 8dB.

- Bridge or replace C143 and C149 with .05-uF 600-volt units.
- Bridge or replace C151 with 100-uF 50-volt unit.
- Connections to pins 5 and 6 of T7 must be swapped to achieve proper phasing.
- Add a single-lug terminal strip under the mounting screw of the "Audio Output" strip.
- Add the indicated network between T7 pin 6 and V16 pin 3.
- Install a .05-uF 600-volt cap across the rear panel "AVC" terminals.  
(This slows the AVC, preventing it from distorting low audio frequencies.)

