RC filters. This Diagram shows both at once. Run the AC analysis from 10Hz to 100kHz.

Try different component values to see what happens.



LCR networks. Here are 2 examples representing inputs from an Electric Guitar and a Microphone. Each has internal INDUCTANCE and a 6metre cable will have about 600p CAPACITANCE each R represents the input resistance of the Pre-Amp.

Run the AC Analysis from 10Hz to 1MHz to view the responses.

Try the R values 10 times BIGGER, then 10 times SMALLER.



# The INVERTING Amplifier.

Run TRANSIENT to see Inverted signal; 100Hz; 2kHz and 50kHz.

Run AC Analysis from 10Hz to 100kHz.



# The NON-INVERTING Amplifier.

Run TRANSIENT to see NON-Inverted signal; 100Hz; 2kHz and 50kHz.

Run AC Analysis from 10Hz to 100kHz.



Digital Gates. Use “ PLACE; CONNECTORS; GLOBAL CONNECTORS “ instead of lots of wires.

CCT.1



CCT.2

