

Your interest in Audience Auricap XO high resolution capacitors is greatly appreciated. Auricap's will blossom during the first 50 hours of use as they break in for most applications. At first they will be a bit stuffy so please be patient to allow for the magic of these high quality audio grade capacitors to unfold. However, for use in electric guitars, for example, the signal level is so low it could potentially take years for break in.

To greatly expedite the break-in of capacitors a 30v AC transformer of 25 watts or more can be used across the cap (out of circuit of course) for a minimum of 100 hours. For quicker break in a 60v transformer can be used for a minimum of 50 hours. It is okay to break in capacitors of differing values simultaneously with the transformer. It is also okay to break in large quantities of caps simultaneously.

Auricap XO (metalized polypropylene) film capacitors are not polarized. However, Auricap XO capacitors have an outside foil (shorter lead/non-red lead/lead marked with black "O"). This feature is a very useful noise shield when input and output impedances are of considerably different values. The idea is to connect the outside foil to the lower impedance point to provide shielding for noise reduction.

Outside foil is connected to the lower impedance as follows:

- 1) In all coupling applications the input to the capacitor should be the outside foil and connected to the signal source or circuit output with the opposite lead continuing on to the next circuit input. Circuit outputs are always lower impedance than inputs and should be connected to the outside foil.
- 2) In all power supply decoupling applications the outside foil should be connected to ground and the opposite lead connected to the voltage to be decoupled. This is true for decoupling either voltage polarities.
- 3) In loudspeaker crossover applications, if the Auricap XO is in series, like feeding a tweeter, the outer foil connects to the input binding post and the opposite lead connects to the tweeter. Where the Auricap XO is in parallel, as typically used for woofers, the outside foil connects to the speaker connection that connects to the input binding post and the opposite lead connects to the other speaker terminal. Follow these same rules for midrange connections where you will have a combination of both.

The overwhelming benefits of using Auricap XO capacitors is high resolution, purity of tone and reliability.

Again thank you for your interest and willingness to give Auricap XO high resolution capacitors a try in your fine products.