

## Using SRS Preamps

When using either the SR550 or SR552, connect the power cable (standard 9 pin D connectors) from the preamp to the rear panel preamp connector on the SR830. Use BNC cables to connect the A output from the preamp to the A input of the SR830. The B output from the preamp (preamp ground) may be connected to the B input of the SR830. In this case, use A-B as the input configuration. Be sure to twist the A and B cables so that there is no differential noise pickup between the cables.

**The SR550 and SR552 are AC coupled from 1 Hz to 100 kHz.** Set the SR830 to AC coupled since the signal must be above 1 Hz. The SR550 has an input impedance of 100 M $\Omega$ , the SR552 has 100 k $\Omega$ .

**The SR830 does NOT compensate for the gain of the preamp.** The SR830 sets both preamps to their maximum gains. Measurements made by the SR830 with a preamp need to be divided by the gain of the preamp. The SR550 has a gain of 10 and the SR552 has a gain of 100.