



THE COIL AUDIO COMPANY

LAWRENCE KANSAS

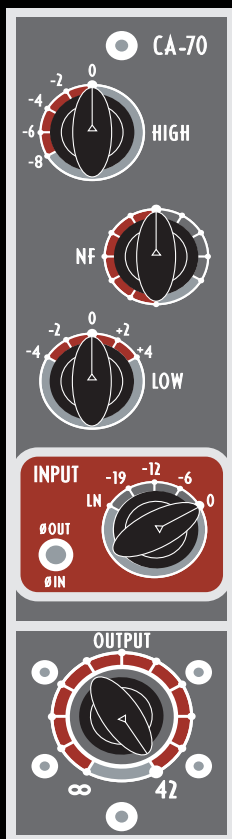
LA GRANGE TEXAS

The **CA-70** is our modular **tube mic, line, and booster amplifier**. Based on a two stage circuit invented by **Western Electric**, it was licensed and built by various audio manufacturers from the 1930's through the 1950's. **RCA, Gates, and Langevin** all utilized this elegant and simple single ended design. With the addition of a flexible **pad network, Negative Feedback** tone shaping, and **inter stage volume control**, it's like **Mid Century** with a **Modern twist**.

Each amplifier uses our own custom **interchangeable transformers and NOS capacitors, resistors, and octal tubes**. Combining our classic design approach, with premium custom and **NOS components**, the **CA-70** creates a timeless and flexible amplifier that will bring new life to your entire microphone collection.

CA-70 Amplifier FEATURES:

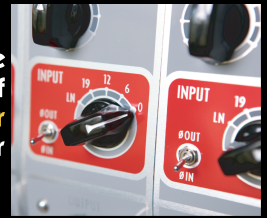
- 2 stage vacuum tube circuit with 42db-54db of available gain
- Transformer balanced, 150 Ohm input, 600 Ohm Output.
- Interchangeable input and output transformers
- Flexible input pad section for mic or line level operation
- NOS PIO Caps and carbon comp resistors
- NOS 6J7 and 6C5 Tubes by RCA, Kenrad, etc.
- Up to Six CA series Amplifiers mount into our PS6 Rack and PSU
- Up to Two Amplifiers in our PS2 Rack and PSU
- Hand Built and Tested in the USA



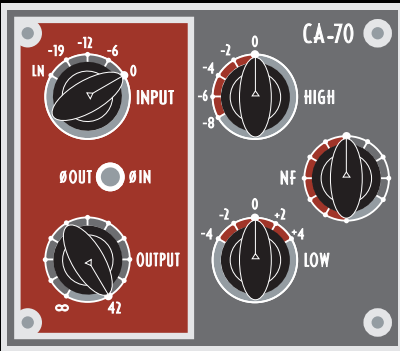
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THE CONTROLS

The **(INPUT)** pad section contains a phase reverse switch, and a 5 position attenuation network of 'Balanced H-pads'. These tailor any **microphone or line level** signal for delivery to the input transformer and 1st tube stage.



The first four positions are various **150/250 ohm mic pads**. The final **(LN)** position allows **line level signals** to run through the amplifier providing tone-shaping capabilities while mixing. It works as both a **second-stage booster** for other preamps and a **summing/buss amp** for program and mix material. Two amplifiers can also be chained together to create the **multi-stage, high gain recording path of a vintage tube console**.



The **NF, Hi,** and **LOW** controls all interact to create a unique tone-shaping circuit.

The **NF** control varies the amount of **Negative Feedback** present in the circuit. Counter-clockwise brightens and moves the sound forward while raising harmonics and sensitivity. Turning it clockwise increases negative feedback, producing a darker tone with a smooth, dampened harmonic structure.

The **HI** switch transitions from the natural openness of the tubes, to a gentle filtering of upper frequencies. The **LOW** switch reacts with the NF, boosting or cutting low frequency while moving the low end from front to back in the sound stage.

The **OUTPUT** control knob is placed between the 6J7 1st stage and 6C5 2nd stage tubes. It sets the final level and offers further control of the two-stage gain structure.

The CA-70 Amplifier is available in two different chassis configurations



The **PS6** version is a fully removable module for use with our **PS6 Rack Tray and Power Supply**. The Rack and PSU can accommodate up to six of our modules, so you can start out with a single channel and add to it as your studio grows.

The **PS2** version comes factory installed in our **PS2 chassis**. This combines the power supply and modules into a single 3U case creating a compact 1 or 2 channel modular solution.