



# RADIOWORLD

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## Ameritron | AL-811XCE | 600W | HF Linear Amplifier £1199.95



## DESCRIPTION

The first 600 watts make the difference, The AL-811 gives you 600 watts PEP output -- that's nearly 2 full S-units over your barefoot rig. That could mean the difference between hearing, "You're Q-5 armchair copy" and, "Sorry cant copy you, too much QRM." Now you wont have to stand aside while the "big guns" steal your DX. You'll be able to log some of those stations first. Going from 600 watts to the full legal limit gives you less than one S-unit increase. But is that fraction of an S-unit worth the 3 or 4 times more money it'll cost you? AL-811 gives you a powerful punch at a price that's easy on your wallet.

You get a quiet desktop linear that's so compact it'll slide right into your station you'll hardly know its there ... Until qrm sets in. Conveniently plug it into your nearest 120 vac outlet -- no special wiring needed. Three tough 811a transmitting tubes, extra heavy duty power supply, all hf band coverage, pressurized ventilation, tuned input, dual illuminated meters, adjustable alc & more.



continuous modes like rty, sstv, fm and am.

Two illuminated meters give you a clear picture of your al-811 operating conditions so you can tell right away if something is wrong. The grid current meter first they're constructed with widely spaced elements that minimize the chance of touching and continuously check for improper loading. The other meter switches between high voltage and plate current to warn of abnormal conditions. The ameritron al-811 is excellent for the newcomer because its tough enough to withstand momentary mistuning. And the tubes are so inexpensive that you can replace one for mere pocket change. Ameritron exclusive adapt-a-volt power transformer has a special buck-boost winding that lets you compensate for stressful high line voltage and performance robbing low line voltage. This makes your components last longer and gives you peak performance -- regardless of your line voltage. A full wave bridge using 52.5 ufd of total capacitance (four 210 ufd, 470 volt capacitors) produces 1500 volts under full load and 1700 volts no load. That's excellent high voltage regulation! Full height computer grade filter capacitors with screw terminals are used -- not short stubby. Light duty soldered-in "High technology" capacitors that cant dissipate the heat generated by high current. Rectifier diodes are rated for a massive surge current of 200 amps. They wont blow even if you accidentally short the high voltage supply. Wire wound, 7 watt, 50 k ohm equalizing resistors safely protect each filter capacitor -- not 2 watt, 100k ohm carbon composition resistors that can open and cause your filter capacitors to explode or fail. The ameritron al-811 power supply is built tough so you get peak performance year after year. A 12 vdc keying relay makes it compatible with solid state and tube rigs. Built-in back-pulse canceling diode protects your rigs keying circuit. Tuned input provides excellent load for any rig a pi-network tuned input provides a 50 ohm load for your rig. Even fussy solid state rigs can deliver their full drive to al-811. Low loss slug shielded rf compartment. One year limited warranty. Ups shippable. Shipped with transformer, tuned coils -- tunable from the rear panel -- let you optimize performance. High quality low drift silver mica capacitors maintain proper tuning.

Made in usa made in the usa. At ameritron, we don't just ship amplifiers we build them to last! Output tank: optimum q on each band the low loss pi-network output tank of the al-811 has been carefully designated for optimum q on each band and built with quality rf components. The result is peak performance over each band, wide impedance matching range and exceptionally smooth tuning with efficiencies close to 70%. Even a 3:1 swr load wont damage the tubes or tank components. A ball bearing vernier reduction drive makes plate tuning precise and easy.

Quiet pressurized ventilation keeps your tubes safely cooled a quiet blower pressurizes the cabinet with a large volume of air flow. It keeps the 811a tube temperature well below the tube manufacturers rating -- even with a key down carrier at 400 watts output -- without the overwhelming noise of oversized fans.