

**AMCron**

WHEN LISTENING BECOMES AN ART, YOU'RE READY FOR AMCron

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Archiv Michael Otto  
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# THE AMCRON TRADITION

Twenty-two years ago Crown International began building quality audio equipment for professional sound engineers, broadcasters and musicians. Not long after, our equipment was in demand by semi-pros and amateurs for home use.

Since entering the high fidelity market, Amcron has pioneered in the industry with amplifiers, preamps, speakers and other components, all built to the same perfection of design as our tape decks.

One overriding factor has steered Amcron in its product development over the years. Service. A service concept that starts with design. Service inherent in product crafting. Service oriented testing. Service with comprehensive warranties. Service to the buyer.

Service. Amcron's product within the product, giving you greater enjoyment in the art of music listening.





## IC-150A

The IC-150A is an input control center of highest quality, incorporating new phono preamp and high level amplifier designs. The phono circuit uses a complimentary-parallel input configuration and an operational amplifier output. The high level circuitry employs a new op-amp with J-FET input devices for low noise and simplified circuit design. This combination results in extremely low distortion, wide dynamic range, and extremely low noise. Simplified operation is provided by such features as push button controls for scratch and rumble filters, Tape-1 and Tape-2 monitors, loudness compensation, and instant flat. Also included are separate channel tone controls and a stereo phone jack monitor output. An eight position input selector switch can control two turntables, two tape decks, one tuner and three auxiliary components (one auxiliary input is provided with front panel jacks). Input level attenuation is provided by a 31 position tracked step level attenuator covering a range of 58 dB. An output level switch provides an additional 10 dB attenuation to facilitate system setup for minimum noise. Add an exclusive panorama control for infinitely blending or separating channels, and you have an input control center with unparalleled sound quality and dynamic range.



## OC-150A

Amcron has developed a new concept in audio componentry, the OC-150A output control center. Providing push-button flexibility for switching and monitoring of system outputs, the OC-150A features two dual-purpose meters for V.U. averaged readings, peak catch-and-hold readings and AC line voltage readings. Up to three speaker systems can be switched singly or in parallel, with direct monitoring of up to three amplifier outputs. Two switched front panel phone jacks are provided, each with three levels of attenuation, plus a rear panel connector for electrostatic headphone power supplies.

Output metering: Two 3½" meters with five ranges. In the peak catching mode, meter hold time is adjustable from one-half second to twenty minutes or greater.

CONTROLLERS  
AMPLIFIERS-SPEAKERS  
TAPE DECKS

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**D-60** Power output: 32 watts/channel min. RMS into 8 ohms stereo, 64 watts min. RMS into 16 ohms mono, over a bandwidth of 20-20,000 Hz at a total harmonic distortion of 0.05%.

Intermodulation Distortion less than 0.05%. 0.01 watt to rated output into 8 ohms stereo, 16 ohms mono. Don't let its size deceive you! This low profile stereo amp is high performance, low on distortion. It's ideal for driving rear speakers in a quad system, electrostatic headphones and for bi-amping and tri-amping.



**D-150A** Power output: 80 watts per channel minimum RMS into 8 ohms stereo, 160 watts minimum RMS into 16 ohms mono, over a bandwidth of 1-20,000 Hz at a rated harmonic distortion of less than 0.05%.

Intermodulation Distortion less than 0.05%. 0.01 watt to rated output into 8 ohms stereo, 16 ohms mono. This ultra-clean Amcron amplifier is capable of delivering 80 watts per channel, with distortion below the residual of most test equipment. The D-150A's combination of a pure yet powerful signal makes it one of the most popular amplifiers in the hi-fi market. Listen to the flat response of the D-150A, and enjoy sound reproduction of unequalled brilliance.

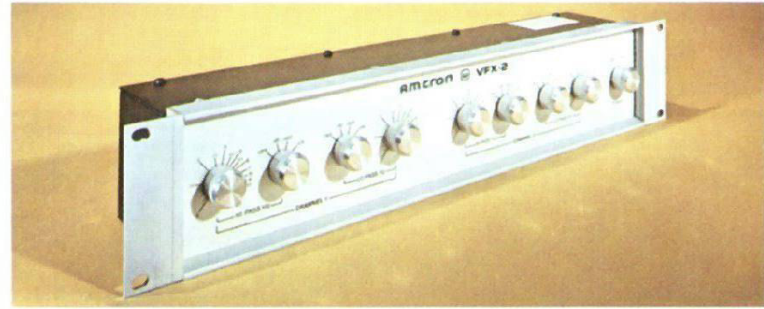


**DC-300A** Power output: 155 watts/channel min. RMS into 8 ohms stereo, 310 watts min. RMS into 16 ohms mono, over a bandwidth of 1-20,000 Hz at a rated distortion of 0.05%.

Intermodulation Distortion less than 0.05%. 0.01 watt to rated output into 8 ohms stereo, 16 ohms mono. Amcron amplifiers have firmly established their credentials in the professional audio market, pioneered by the famous DC-300. Breakthroughs in circuit technology have now led to the design of the DC-300A. And while the name has changed slightly, the "A" is a totally new amplifier featuring Amcron's patented, electronic protection, preventing amplifier damage from all common causes. With distortion and noise near the vanishing point, listening comfort is impressive. Get a demonstration!

# VFX-2

Now you can dramatically enhance the sound of your present system with Amcron's exclusive, variable-frequency electronic crossover. The new VFX-2 allows the listener to infinitely adjust the crossover frequencies from 20–20,000Hz. Bi-amping and tri-amping can be accomplished with the VFX-2 for more efficient amplifier usage, resulting in even lower distortion levels.

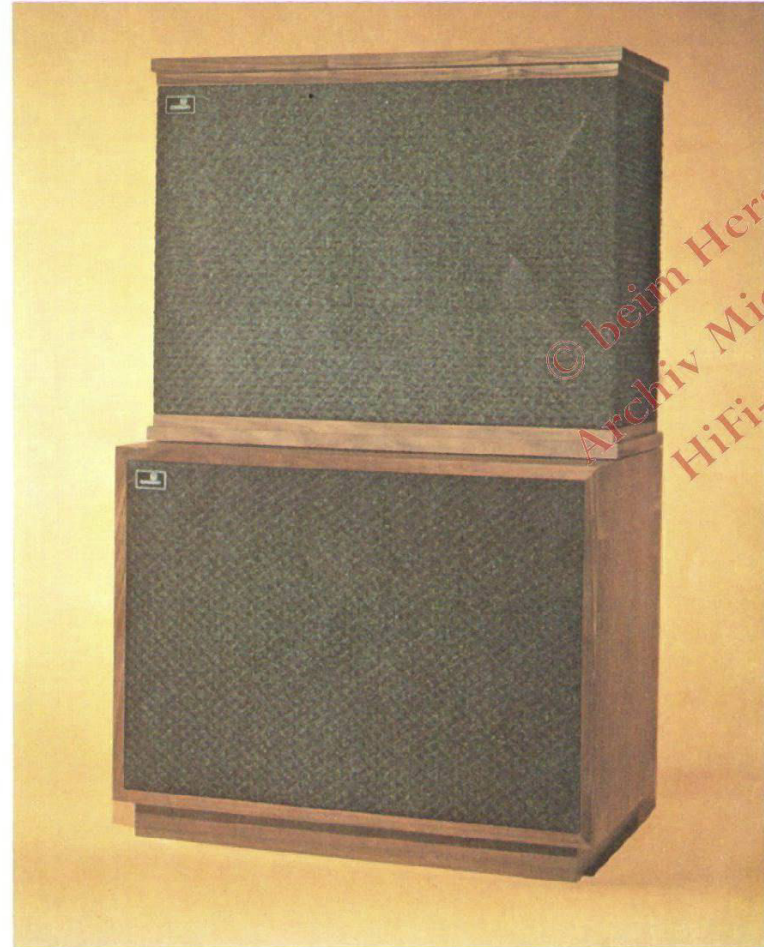


# ES-212

We developed the Auralinear ES-212 to meet the need for a speaker equal in dynamic range and linear reproduction to other Amcron components. Midrange and highs are reproduced with unsurpassed clarity and smoothness, with no crossovers. Extremely wide range electrostatic radiators give flat response, low distortion, and are placed to give a wide dispersion pattern.

Bass response is delivered by two ten-inch, long throw woofers in an acoustic suspension environment. The only crossover point occurs at 375Hz and is so smooth it can scarcely be detected with a signal generator. Also, the ES-212 is electronically protected against any type of signal overload. Bring your finest disc or tape to an Amcron dealer for an exhilarating musical experience with the Amcron ES-212.

Dimensions: Woofer—26" x 21" x 16" deep, tweeter—26" x 21" x 12" deep. Usable frequency response: 22-30,000 Hz; sound pressure levels obtainable: 100-106 dB in a 12' x 25' room. Recommended maximum amplifier power: 150 watts/channel.



AMPLIFIERS - SPEAKERS  
TAPES DECKS

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# SX724



# SX824



# CX844

Over the past twenty-two years, Amcron tape decks have set the standard for reliability, performance, quality and operating ease. They have become legends for long life and true sound reproduction. Built for audio professionals, all Amcron decks are designed to operate eighteen hours per day for ten years, with routine maintenance and replacement of normal wear parts.

Offered in two series, the PRO 700 and PRO 800, the range of flexibility is impressive. The SX-724 (far left) incorporates such features as patented electro-magnetic brakes, push-button controls, and mechanical specs and head assembly identical to the 800 series.

The SX-824 (left) embodies the features of the SX-724, but is more automatic in operation. Feather-touch computer logic controls assure foolproof tape handling. The 800 series also features photocell shut-off in all modes, take-up reel motor shut-off for easier editing, and cue lever for controlling tape-to-head contact. Where circuitry in the SX electronics is permanently wired on four circuit boards, the CX electronics utilizes modular plug-in boards to allow a greater range of applications. Amcron's Trac-Sync is available on the CX electronics as an accessory; with a variety of balanced input and output transformers optional on both electronics.

For other accessories, models and specifications, see your Amcron dealer. He'll let you demonstrate and discover the finest in professional audio recording equipment: Amcron.

Frequency response:  $\pm 2$  dB, 30-25,000 Hz. Noise 60 dB. Wow and flutter: 0.09% (for 4-track stereo models at  $7\frac{1}{2}$  ips).



TAPE DECKS

# QUALITY CONTROL



1. Transistor stress testing
2. Transistor electronic testing
3. Logging of response curves
4. Equalization, bias and head alignment

Quality control at Amcron is an integral part of all planning and production. One of every four production people spends 100% of his time in quality control, and all Amcron people are responsible for maintaining highest product quality. This complete dedication assures the reliability and longevity you expect and get in any Amcron product.

In the more than twenty years of serving the professional user, we have developed a rigorous program of checks and double checks, involving pre- and post-assembly inspections, stress testing, signal checks, heat runs, electronic plotting, tolerance checks, vibration tests and performance trials. Finally, a proof-of-performance report accompanies every unit.

Quality control isn't new with us. It's been our way of life from the beginning.

## CANADIAN DISTRIBUTION

REMCRON ELECTRONICS, LTD.  
2250 Midland Ave. Unit #1  
Scarborough, Ontario, Canada

## INTERNATIONAL DISTRIBUTION

NILESCO INTERNATIONAL  
382 Springfield Ave.  
Summit, NJ 07901

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Cronenburg 28  
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