TOA's Professional Music & Entertainment Division has unveiled the SL Series, an integrated line of compact, rugged speaker and stage monitor systems designed for sound reinforcement and live performance monitor applications that require high performance at a low cost.

The SL Series consists of four matching, sealed enclosures (SL-12, SL-12M, SL-15, and SL-22) with a textured finish. Each one houses a constant directivity horn with piezo driver and a 12-inch or 15-inch woofer (Model SL-22 contains two woofers, one 12-inch and one 10-inch). The CD horn assures uniform sound dispersion and response characteristics within the high frequency range. SL speakers have high power handling (240 watts) and a smooth extended frequency response (70-20k Hz).

Each SL system provides two paralleled one-quarter-inch phone jacks for multiple speaker hook-ups. The charcoal-grey enclosure has a removable, protective steel grill and hard-rubber, interlocking corners for safe, easy speaker stacking.

For more information, contact: **TOA Professional Music & Entertainment Division, 480 Carlton Court, S. San Francisco, CA 94080; (415) 588-2538.**
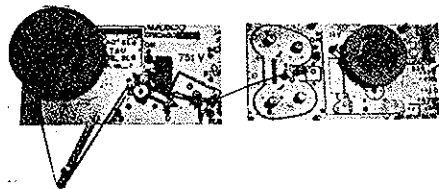

Audico has introduced a new cue-tone video loader (CTVL) said to allow duplicators to improve utilization of their

sient reproduction; 5¼-inch LED-arc meters with X1/XO.1 range button and brightness select; single slide switch to select stereo or mono operation, are among other features.

For more information, contact: **Paul Friedman, Numark Electronics Corp., 503 Raritan Center, Edison, NJ 08837; (201) 225-3222.**
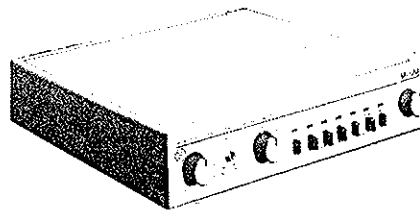
Audio + Design Calrec has been named North American distributor for the Minim AD7 and AD10 Hi-Fi Ambisonic Decoders, to meet demand created by the increasing availability of two channel UHJ encoded Ambisonic Surround Sound recordings and software.

The AD10 incorporates all the currently available facilities in Ambisonic Surround Sound technology. It will accept two Channel UHJ encoded signals from sources such as records (digital Compact Disc and analog), tape, broadcast and video as well as B Format signals suitable for professional playback systems. These will then de-code into signals for feeding to a four speaker system.

A layout control compensates for different speaker arrangements between aspect ratios of 2:1 and 1:2. Where speakers are placed more than 10 feet from the listener, a distance button compensates for the different ways in which wave fronts travel at low frequencies. A Focus control allows alterations in the perceived Soundfield enabling greater or lesser 'focus' in the front sound stage. Position gives more emphasis to sounds from the front or rear stages enabling the listener
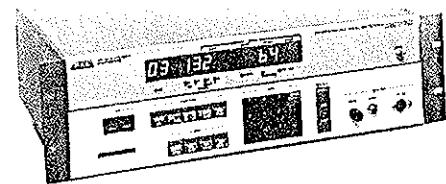
The new **AXE KT-1000** is an accurate, microprocessor-based, programmable digital metronome/synchronizer that will store 50 different user programmable tempos.

With the KT-1000, users can program various tempos to run for a specific number of beats; automatically start each tempo from SMPTE coded video tape, film, or audio tape; and not only put out a metronome pulse for live recording, but automatically control MIDI equipped devices, including accelerations and retards.

Tempos can be entered into the KT-1000 in either beats per minute or in frames per beat. There are four frame formats: 24 (film), 25 (EBU), 29.97 (NTSC drop frame), and 30 (NTSC) frames per second. The duration of the tempo can be entered in either the total number of beats or a specific length of time, accurate to 1/100th of a second (e.g.: 16 beats or 17.34 seconds).

The KT-1000 can be programmed to go from one tempo to another automatically, accelerating and retarding as needed within a specific number of beats. Tempos can be started automatically from SMPTE Time Code off either video tape, audio tape, or SMPTE coded film. Besides putting out its headphone click, the KT-1000, through a MIDI interface, puts out the required number of pulses (digital words) to automatically control synthesizers, sequencers, and drum machines.

The KT-1000 will also save and load the user's program to tape, or to a special, nonvolatile, AXE memory card. In the first quarter of 1985 an add-on RS-232C serial
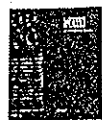
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equipment and reduce material costs on shorter programs.

The CTVL records the same program on a full length cassette a number of times, instead of having to purchase and dupe short length cassettes. The video loader then transfers each program to a separate cassette housing, and simultaneously rewinds the program. The same loader can be equipped for Umantic, VHS and Beta cassettes, as well as one-inch reels.

The CTVL is said to improve utilization by 50 percent, by eliminating idle time and the need to rewind. It is also said to reduce cassette material costs by 40 to 70 percent. In the case of one-inch reels, the head deceleration time and the cumbersome reverse threading path are avoided.

Another feature available automatically removes old tape from cassette housings without opening them, so they can be reused.

For more information, contact: **Audico/Inc., 219 Crossen Ave., Elk Grove, IL 60007; (312) 640-1030.**

to effectively move forwards or backwards.

Special versions of the AD10 are available to meet monitoring and professional requirements; a conversion for six speaker layouts will be available shortly for periphonic (with height) decoding. The suggested retail price $575.

The AD7 is a simplified version of the AD10. Smaller in size, the AD7 is for those who want the benefit of Ambisonic Surround Sound but do not require all the facilities available in the AD10. The AD7 will decode UHJ two channel and B format signals; Speaker Layout Aspect Ratio, Stereo Enhance and Stereo Bypass controls are included. The suggested retail price $190.

For more information, contact: **Audio + Design Calrec, Inc., P.O. Box 786, Bremerton, WA 98310; (206) 275-5009.**

Paso Sound has announced the introduction of a full range weatherproof loudspeaker, the C 51/AT.

The computer designed enclosure used in tandem with a full range loudspeaker results in extended frequency response and efficien-

TAPE
SYNC