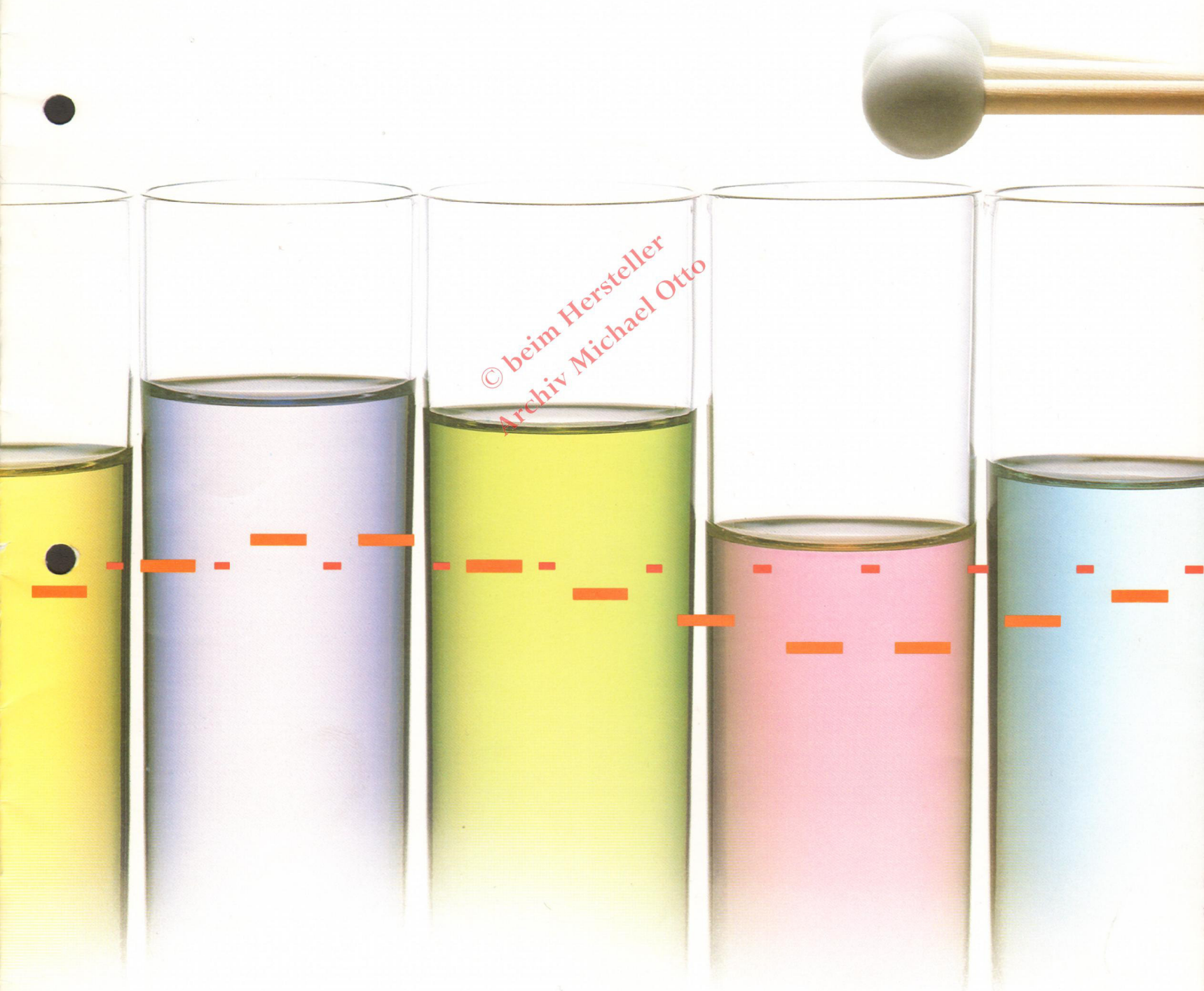


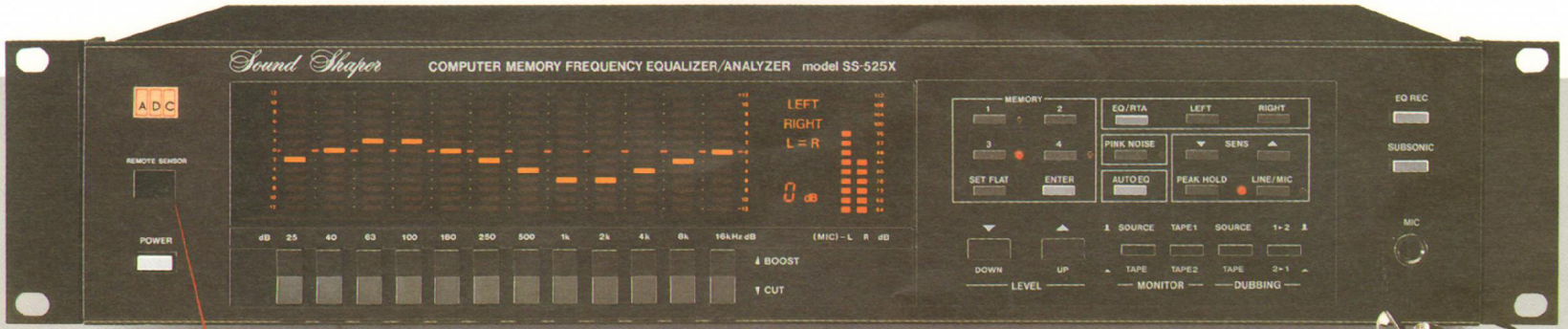


# *Sound Shaper*<sup>®</sup>

ADC Audio and Video Shapers provide the perfect means of improving your system's audio and video performance—and they're a lot of fun, too.



© beim Hersteller  
Archiv Michael Otto



Memory, remote, auto room equ  
 computer control—the ultimate i  
 equalizing convenience.

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COMPUTER MEMORY FREQUENCY  
 EQUALIZER/ANALYZER  
**SS-525X**

**The convenience of computerized frequency**

**equalization** Adjust frequencies at the touch of a button, create and commit up to four equalized responses to memory for later recall, have a computer automatically compensate for room acoustics to have flat acoustic response—the SS-525X lets you do it all. And you can perform virtually all operations from the convenient remote control.

**“Optimized” 12-band equalization** There are twelve electronic switches that let you boost or cut response by up to 12dB at each of the twelve frequency ranges. We’ve “optimized” the arrangement of the center frequencies to give you more control over critical ranges: controls at 250Hz and above are one full octave apart, but below 250Hz center frequencies are a closer two-thirds of an octave apart to permit finer adjustment.

**Computerized automatic room equalization** The SS-525X comes with a computerized equalization facility, a built-in pink noise generator, and a clip-type condenser microphone. Together they let you automatically compensate for room acoustics so you enjoy a flat acoustic response. The response of each microphone is individually calibrated for the particular unit it comes with for top accuracy.

**Five equalizations in memory** You can create four customized equalization responses and store them away, so that later you can recall any at the touch of a button. There’s also a room for a fifth response—a flat response in which compensation has been made for room acoustics.

**Full-function remote control** You can boost or cut frequencies, create custom equalizations, recall one of the four created equalizations, initiate the computerized auto room equalization, even adjust volume, all from the handy, easy-to-use remote control.

**Fluorescent equalization/RTA display** A large fluorescent panel on the SS-525X provides a wealth of information. When the unit is used as frequency equalizer, the display shows the selected or adjusted equalization as a series of dots. When used as an RTA, or real-time spectrum

analyzer, the display shows the frequency content of the music by a series of undulating bars.

Minimum resolution is 2dB in either display mode. The display also has two output level meters, one for each channel.

**Other extra features** When you equalize or analyze music, you can choose to display the left or right channel, or a composite of both channels. Sensitivity switches let you adjust the overall height of the spectrum display. The peak hold switch freezes the display for critical view. Two tape recorders may be connected for dubbing in either direction, with or without equalization. The SS-525X also comes with an output level attenuator and subsonic filter.

## Electronic control for superb ease of use

ADC is a true leader in the field of sound equalization, and the SS-325X is ample proof. The SS-325X is a computerized 12-band frequency equalizer with the capacity to memorize up to four custom equalized responses plus a flat response.

To equalize, simply touch the electronic switch corresponding to the desired frequency. Twelve of these switches let you boost or cut response by as much as 12dB. And the SS-325X is an “optimized” equalizer. This means that for center frequencies from 250Hz and up, the intervals are one full octave; but for the critical low-frequency range, center frequencies are only two-thirds of an octave apart. So you have tighter, finer control over the range over which your ears are most sensitive.

Thanks to computerized control, you can create four different equalized responses and store them in memory for later one-touch recall. A flat frequency response, with acoustics fully compensated for, may also be entered into memory and recalled any time.

Particularly user-friendly is the large fluorescent panel that doubles as an equalizer display and as an RTA (Real-Time Analyzer). During equalization, the panel shows the memorized or adjusted equalization “curve.” As an RTA, it uses undulating bars to show the frequency makeup of the music you listen to, record or dub. Resolution is 2dB. To the right of the display are two output level meters, one for each channel.

The SS-325X also comes with a pink-noise generator and a calibrated condenser microphone in addition to the RTA display. Together they allow you to measure the acoustics of your listening room accurately and equalize the room precisely.

For added convenience, you can equalize the sound for individual channels or both channels at the same time. You can analyze the frequency spectrum of music from both channels or just one. Other features include a display sensitivity control, connections for two tape recorders with bidirectional dubbing, and subsonic filter.

A high-tech equalizer at an affordable price—the ADC SS-325X.

## SS-325X COMPUTER MEMORY FREQUENCY EQUALIZER/ANALYZER



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n

© beim Hersteller  
Archiv Michael Otto

**Let us entertain you** The ADC SS-450X not only lets you equalize the sound according to your tastes or to compensate for aberrations in your room's acoustic response; it also permits you to adjust the reverberation of a program source. But what you'll probably notice first about the SS-450X is its looks. Frequency response is shown by strings of red LEDs mounted in the tips of equalizer sliders. The frequency makeup of

# SS-450X

## STEREO FREQUENCY EQUALIZER/ SPECTRUM ANALYZER/REVERBERATOR



More depth or less?  
Our reverb unit turns listening room into a concert hall—or a disco.

music fed through the unit is displayed by pulsating blue bars on the fluorescent display panel. And reverb response is shown by a dynamically changing pattern on a green LED display. With displays like these, the SS-450X may turn you into a music watcher!

### Reverberation to expand or shrink your room

You can make your room big or small depending on how much reverberation you add to the sound you hear. More "depth" to music and you'll feel as if sitting in a cathedral or concert hall. Or apply only a little "depth" to get the feel of a disco or club. The SS-450X's reverb unit lets you adjust the depth to suit your tastes.

The circuit combines three stages of electronic BBDs (Bucket Brigade Devices). Its built-in dynamic noise reduction system takes care of noise and distortion that more often than not are heard in BBD-generated reverb.

This means smooth and clear reverb.

The unit comes with an interesting LED reverb display which shows patterns that mimic the "depth" of the sound, dynamically shrinking and expanding

### 10-band graphic equalizer with LEDs in sliders

The SS-450X provides a bank of two sets of 10-band equalizing controls, one above the other, so you can adjust frequency response channel by channel. The maximum boost/cut range is a wide  $\pm 15\text{dB}$ , and each of the 10 center frequencies is separated from the next by an octave. The LEDs mounted at the tips of equalizer controls together give you a visual indication of the equalized response you've created.

### Fluorescent real-time spectrum analyzer

The large fluorescent display is a real-time spectrum analyzer showing individual levels at 12 bands. With it you can monitor frequency content of music—especially useful when equalizing the response of your listening room. There are also indicators which register output level, channel by channel.

### Built-in pink-noise generator and calibrated mic for precise room acoustics compensation

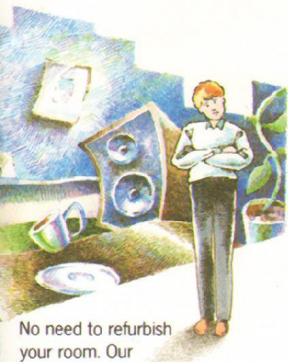
ADC makes it easy to get a flat acoustic response in your room: the SS-450X is equipped with a built-in pink-noise generator and a calibrated mic. The built-in spectrum analyzer will greatly assist you in performing accurate room equalization.

**Extra convenience features** The SS-450X connects two tape recorders and lets you dub from one to the other. Naturally, as you record you can switch in equalization or reverb, or both. Also built-in are the peak hold function to freeze the analyzer display for critical view, a meter sensitivity control to adjust display height, a resolution switch (26dB or 39dB), subsonic filter and output level attenuators (one for each channel).



# An all-round entertainer for the ear and the

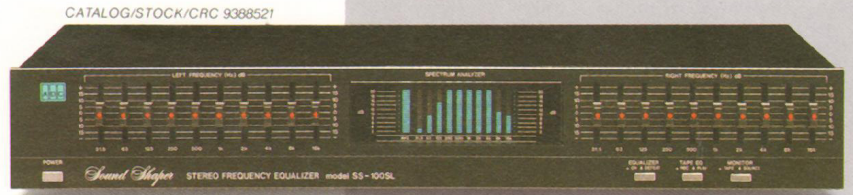




No need to refurbish your room. Our room compensation equalizes your room—simply and easily.



Bring the vocalist out front—the equalizer can make any frequency prominent.



### ADC presents an easy-to-use slim-line equalizer

The slim-line SS-100SL gives you an easy means to customize your sound or to compensate for less-than-perfect response from your hi-fi system. It's easy to use, giving you all the benefits of accurate sound equalization.

The SS-100SL offers ten center frequencies to adjust, channel by channel, one for each octave. Frequencies can be boosted or cut by as much as 15dB, enough control for you to precisely correct any error in system response. Slider equalizer controls are tipped with LEDs, which show the equalized response you've created.

### STEREO FREQUENCY EQUALIZER SS-100SL

Another visual bonus that comes with the SS-100L is the fluorescent real-time spectrum analyzer that lets you monitor the frequency content of music you listen to, record or dub.

The SS-100L also comes with a number of features designed to simplify operation. The EQ on/off switch lets you put the equalizer on or off line. The EQ rec/play switch lets you choose the signal to equalize: either the signal going to a tape deck or the one leaving the unit to the output. A built-in infrasonic filter cuts subsonics which can otherwise muddy sound.

### There's no easier way to become a DJ or mixing engineer than with ADC's SX-90

The SX-90 Disco Mixer from ADC comes with enough controls and switches to let you play DJ, or produce a professionally mixed demo tape. It's a fun-packed, versatile addition to your hi-fi and recording equipment.

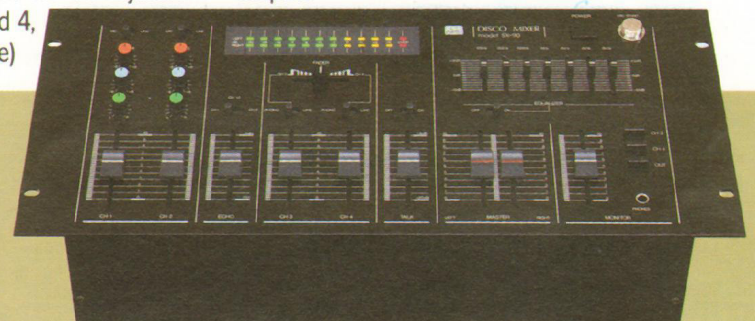
The SX-90 is a four-channel mixer: Channels 1 and 2 are for mono inputs, each complete with a LINE/MIC switch, bass and treble tone controls, a panpot and echo. You can use them for line or mic sources—adjusting frequency response, placing the sound image anywhere within the "sound stage," and adding echo when needed. Channels 3 and 4 are for stereo sound; use them for turntables, cassette decks or CD players. The level of each of the four channels can be adjusted individually. With Channels 3 and 4, moreover, you can monitor (cue)

the level using headphones for a well-balanced mix.

The SX-90 also lets you cross-fade between Channels 3 and 4—fading in the sound of one stereo input while fading out the other—at the speed of your choice. This means with two turntables at ready, you can fade one song in while fading another out, DJ-style! Another convenience is a "TALK" control that attenuates the level of both Channels 3 and 4 at a touch. This control does not affect sound from the mic—another handy feature for DJ work.

The unit also comes with a 7-band graphic equalizer for mixed output, an LED level meter, master volume control, a mic mount, and two outputs

### SX-90 DISCO MIXER



eye

COMPACT DISC PLAYER

# Advanced ADC technologies for precision, accuracy and convenience



## COMPACT DISC PLAYER CD-250XR

**Definitive sound and ease of use** Here's the definitive CD player—both in terms of sound and ease of use. The supplied wireless remote control, 16-track random access, 3-way repeat and multi-function display make operation simpler than ever. Accurate and precise sound is assured by the 3-beam laser pickup and linear D/A converter.

**Comprehensive remote control** The remote lets you operate all the functions and controls you find on the player itself, except for power on/off and tray OPEN/CLOSE. Never has listening to good music been so easy.

**Amazing sound accuracy—3-beam pickup and linear D/A converter** Our 3-beam laser pickup and linear D/A (Digital-to-Analog) converter give the CD-250XR its clean and dynamic sound.

Using two tracking beams in addition to the main one, the advanced pickup eliminates dropouts and ends subtle degradation that mistracking can cause. And the linear converter reduces distortion at critical frequencies to one-tenth that of conventional D/A converters.

**16-track random access and 3-way repeat** You can program up to 16 tracks (songs) from a disc for play in the order you like. Equally convenient, you can repeat the same track, the tracks you've programmed, or all tracks on a disc, over and over.

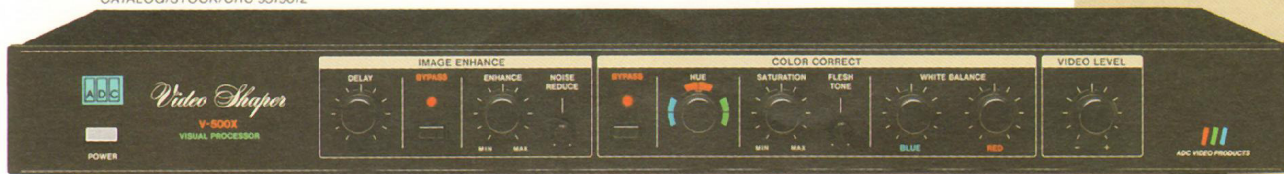
### Flexible 6-digit multi-function display

A multi-function display shows the track number in play, elapsed time for the current track, remaining play time and programmed track number—all the information you need to know.



# VIDEO SHAPER

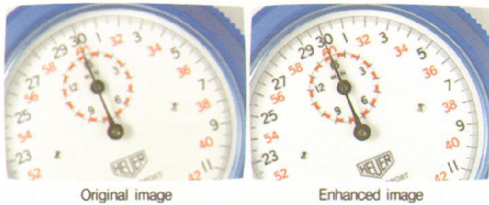
CATALOG/STOCK/CRC 9519612



## The V-500X lets you restore natural colors, balance, and sharp detail

**Image enhancer function** During recording, broadcasting, or transcription, all too often the detail in a video image can be lost. The V-500X's image enhancer just restores that detail. Video enhancement is especially useful when dubbing tapes, playing tapes recorded at slow speeds, or recording from TV.

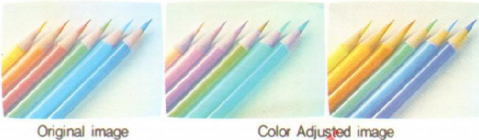
Two auxiliary controls add to the versatility of our video enhancer. One is a delay control that lets you split the screen into two sections



for "before" and "after" comparison. The other is a noise reduction control that eliminates video noise from enhanced pictures.

**Color corrector function** The color corrector gives you total control over the color in the picture you watch, even during recording or dubbing. It simply lets you restore the natural balance between colors and add more vividness to the picture.

The hue control adjusts the phase of the color signal, changing the overall tint. And the



white balance controls permit you to balance the three primary colors (red, green and blue) individually. Together they make it possible to

## VIDEO IMAGE PROCESSOR V-500X

correct false colors. They can even be used creatively to generate special effects, changing one color to another or upsetting color balance.

The saturation control adjusts the intensity of the color signal. This means, for instance, you can revive a washed-out red. The flesh tone switch lets you get the most natural human skin tones.

### Video level control and multiple outputs

The video level control adjusts improper video signal levels, so that luminance and contrast are properly maintained. The V-500X accepts one video input (from a VCR or TV) and provides two video outputs (to a second VCR and monitor TV, or two VCRs). An RF modulator is provided for connection with a TV lacking video input (channel 3/4 selectable with NTSC system).

# Comprehensive control over video sight and sound

**Surround sound processor with Dolby® Sound** In the V-800X, Dolby Surround properly processes the encoded signal of Dolby Surround Sound—dialogue in front and sound effects in rear—to wrap you in a whirlpool of sound. With Matrix Surround, you'll feel as if you were sitting in a stadium watching an outdoor sports event. And Hall Surround adds just the right "live" feel to music videos. A master control, a surround check switch, and a surround sound control are also provided.

**Comfortable noise-free video sound** DNR™ is a Dynamic Noise Reduction system that allows high frequencies in the program

to pass through unaffected, yet blocks out high-frequency tape hiss. The dehisser is a notch filter that removes the hiss heard in the sound when a VCR runs at slow speed.

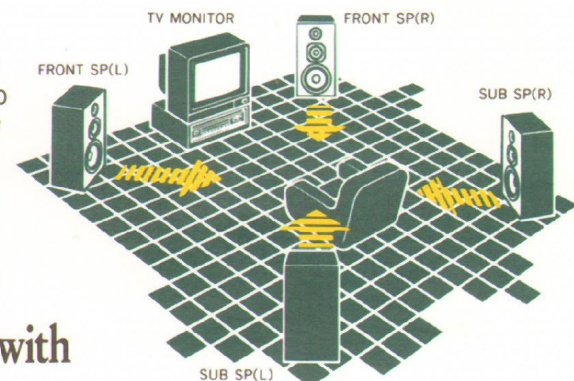
### Enhanced sense of stereo

The simulated stereo circuit lets you enjoy surround-like fullness from flat mono sound. Of course, you can enjoy not only simulated stereo but also surround and hiss-free sound from any audio program.

**Connections of two VCRs, a monitor and two processors** The V-800X lets you connect two VCRs or videodisc players, a monitor, an audio and a video processor. Tapes

can be dubbed with or without the effects of processors.

\* "Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.  
\*\* DNR is a trademark of National Semiconductor Corporation.



Basic speaker setup to enjoy surround sound

## V-800X VIDEO SOUND PROCESSOR

## Bringing theater sound home with the V-800X from ADC



## A handy way to keep in touch with what's happening

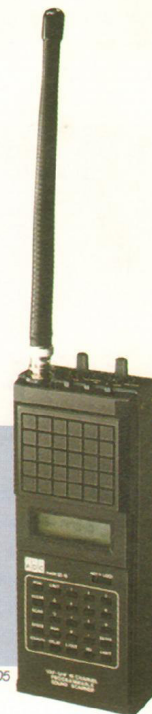
The SS-16 Programmable Synthesized Scanner lets you stay on top of what's happening in your neighborhood. Monitor exciting two-way radio conversations of police and fire departments. You can even tap into aircraft, ham radio and transportation broadcasts. Monitoring this kind of information can be both exciting and practical.

With the SS-16, you have direct access to

23,684 different channels. A microprocessor—a computer in a chip—lets you program up to 16 channels and scan through them for quick access. The search function lets you scan for and tune active channels automatically. And the "priority" key makes sure you never miss a call to a selected channel.

### SS-16 PROGRAMMABLE SYNTHESIZED SCANNER

STOCK/CRC 9078205



## SPECIFICATIONS

### ■ SS-525X Computer Memory Frequency Equalizer/Analyzer

Center frequencies: 25, 40, 63, 100, 160, 250, 500, 1 k, 2 k, 4 k, 8 k and 16 kHz  
 (EQ/RTA)  
 Control range:  $\pm 12$  dB  
 Frequency response: 10–50 kHz ( $\pm 1$  dB)  
 Hum/Noise: –100 dBV, A-weighted  
 THD: 0.008%  
 Power requirements: 100–120/220–240VAC 50/60 Hz  
 Dimensions (W×H×D): 19"×3-1/2"×11-7/8"  
 Weight: 11 lbs.

### ■ SS-325X Computer Memory Frequency Equalizer/Analyzer

Center frequencies: 25, 40, 63, 100, 160, 250, 500, 1 k, 2 k, 4 k, 8 k and 16 kHz  
 (EQ/RTA)  
 Control range:  $\pm 12$  dB  
 Frequency response: 20–20 kHz ( $\pm 0.5$  dB)  
 THD: 0.008%  
 Hum/Noise: –100 dBV, A-weighted  
 Power requirements: 100–120/220–240VAC 50/60 Hz  
 Dimensions (W×H×D): 17-1/2"×3-3/4"×9-3/8"  
 Weight: 10-3/8 lbs.

### ■ SS-450X Stereo Frequency Equalizer/Spectrum Analyzer/Reverberator

Center frequencies: (EQ) 31.5, 63, 125, 250, 500, 1 k, 2 k, 4 k, 8 k and 16 kHz  
 (RTA) Same as EQ plus 16 Hz and 32 kHz  
 Control range:  $\pm 15$  dB  
 Frequency response: 20–20 kHz ( $\pm 0.5$  dB)  
 THD: 0.008%  
 Hum/Noise: –100 dBV, A-weighted  
 Reverb time: 520 msec. depth  
 Power requirements: 100–120/220–240VAC 50/60 Hz  
 Dimensions (W×H×D): 17-1/2"×5-1/2"×12-5/8"  
 Weight: 12-3/4 lbs.

### ■ SS-100SL Stereo Frequency Equalizer

Center frequencies: 31.5, 63, 125, 250, 500, 1 k, 2 k, 4 k, 8 k and 16 kHz  
 (EQ/RTA)  
 Frequency response: 20–20 kHz ( $\pm 0.5$  dB)  
 THD: 0.05%  
 Hum/Noise: –100 dBV, A-weighted  
 Power requirements: 100–120/220–240VAC 50/60 Hz  
 Dimensions (W×H×D): 17-1/8"×3"×9-1/4"  
 Weight: 7 lbs.

### ■ SX-90 Disco Mixer

Frequency response  
 Line: 20–20 kHz ( $\pm 1$  dB)  
 Phono: 30–20 kHz ( $\pm 2$  dB)  
 Microphone: 30–16 kHz ( $-1$  dB)  
 THD: 0.06%  
 S/N  
 Line: 75 dB  
 Phono: 62 dB  
 Microphone: 52 dB  
 Power requirements: 100–120/220–240VAC 50/60 Hz  
 Dimensions (W×H×D): 19"×6-3/4"×9"  
 Weight: 8-1/2 lbs.

### ■ CD-250XR Compact Disc Player with Wireless Remote Control

Frequency response: 5–20 kHz ( $\pm 1.0$  dB)  
 THD: 0.005%  
 Dynamic range: 96 dB  
 Wow and flutter: Unmeasurable  
 Output level: 2V rms  
 Output impedance: 1 k ohms  
 Error correction: CIRC dual error correction  
 Power requirements: 100/120/220/240VAC 50/60 Hz  
 Dimensions (W×H×D): 16-7/8"×3-5/32"×11-7/8"  
 Weight: 9-1/2 lbs.

### ■ V-800X Video Sound Processor

(AUDIO)  
 Frequency response: 20–20 kHz ( $\pm 1$  dB)  
 THD: 0.008%  
 Hum/Noise (A-weighted): –90 dBV  
 (VIDEO)  
 Input level: 1Vp-p typical, 4Vp-p maximum  
 Output level: 1Vp-p typical, 4Vp-p maximum  
 Frequency response: 5–6 MHz ( $\pm 3$  dB)  
 Unity gain:  $\pm 1$  dB  
 Power requirements: 100–120/220–240VAC 50/60 Hz  
 Dimensions (W×H×D): 17-1/8"×1-3/4"×8-3/4"  
 Weight: 6-1/4 lbs.

### ■ V-500X Video Image Processor

Input level: 1Vp-p  
 Output level: 1Vp-p (Volume center)  
 max 1.5Vp-p  
 S/N: 45 dB  
 Frequency response: 5 Hz–6 MHz ( $\pm 3$  dB)  
 Input impedance: 75 ohms  
 Output impedance: 75 ohms  
 RF output impedance: 75 ohms  
 Power requirements: 100–120/220–240VAC 50/60 Hz  
 Dimensions (W×H×D): 17-1/8"×1-3/4"×8-3/4"  
 Weight: 6-1/4 lbs.

### ■ SS-16 Programmable Synthesized Scanner

Power requirements: 9VDC  
 6×"AA" batteries or AC adaptor (not included)  
 Dimensions (W×H×D): 2-15/16"×7-1/2"×1-13/16"  
 Weight: 1-1/8 lbs.

Design and specifications subject to change without notice for improvements.



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