

Sansui®

CD5



SOLID STATE ELECTRONIC CROSSOVER UNIT The CD-5 was developed as a proud addition to Sansui's professional line of audio components. Although priced within the reach of most stereo enthusiasts, this smartly-styled unit incorporates a number of new and unusual concepts that can make your present system much more versatile and enjoyable—right now! The CD-5 also provides the necessary step for all enthusiasts who plan future augmentation to their present equipment. Such subtleties as a choice of 8 crossover frequencies, 2 cutoff characteristics to choose from at each crossover and reduction of intermodulation distortion will appeal to the aficionado whose ear has become more acute. Used in conjunction with the new Sansui SP-1001 or 2002 speaker systems and the AU series of quality amplifiers— or with whatever equipment you presently own—the previously inhibiting problem of matching input and output levels of varied components is a thing of the past with this new unit. The CD-5 is the ultimate in equipment to gain better resolution and transparency of reproduced sound.

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8 CROSSOVER FREQUENCIES: The CD-5 offers you a choice of 8 crossover frequencies: 200Hz, 340Hz, 560Hz and 900Hz for crossovers between the low and middle ranges, and 2,500Hz, 3,600Hz, 5,000Hz and 7,000Hz for crossovers between the middle and high ranges. Select the desired frequencies simply by turning a pair of rotary switches on the front.

DIVIDES FOR EITHER 2 OR 3 RANGES: The CD-5 can be used to realize either a bi-amplification electronic crossover system where signals are divided between the low and middle ranges, or more sophisticated tri-amplification system where they are divided 3 ways and amplified and reproduced by separate main amplifiers and speakers.

If you use it to build a bi-amplification electronic crossover system, you have a choice of 8 crossover frequencies altogether; used to realize a tri-amplification electronic crossover system, it offers 4 crossover frequencies to select from at the top and bottom boundaries of each of the low, middle and high ranges. Using the CD-5, you can achieve a sophisticated electronic crossover system even though you may have no special knowledge of electronics. All it takes is a few simple connenctions.

CUTOFF CHARACTERISTIC SWITCHES: A pair of switches are provided on the bottom panel to permit changing over the cutoff characteristics separately at the crossovers of the low, middle and high ranges between 6dB/oct. and 12dB/oct. Use these switches to suit the performance of the speakers in use or your own personal taste.

CROSSOVER SELECTOR SWITCHES LOCK: A safety button keeps both crossover selector switches locked to avoid accidental changing of

the crossover frequencies and prevent low range signals from being fed into middle or high range speakers and damaging them. Thus it not only safeguards the unit from misoperation by somebody without adequate knowledge of how to operate it, but prevents accidents such as blowing the voice coil of a speaker by careless handling of the crossover selector switches.

DIRECT OUTPUT TERMINAL: The CD-5 comes complete with a direct output terminal which bypasses the electronic crossover circuit in the unit. By coupling a main amplifier to this terminal, connecting a pair of ordinary 2- or 3-way speaker systems with an LC crossover network and using an external switch, you can switch between sounds from an electronic crossover stereo system and an ordinary LC network stereo for quality comparison.

SEPARATE LEVEL CONTROLS: Separate controls are provided on the front panel to permit controlling the output levels of the right and left stereo channels in the middle and high ranges.

REFINED APPEARANCE: With its refined black front panel and carefully designed layout of switches and controls, it is a well-coordinated addition to Sansui's famed AU series audio components. In any company, its handsome apperance makes it a standout.

FOR EVEN MORE RANGES: To build an electronic crossover stereo system which divides signals into 4 or more ranges, simply use 2 or more CD-5s together.

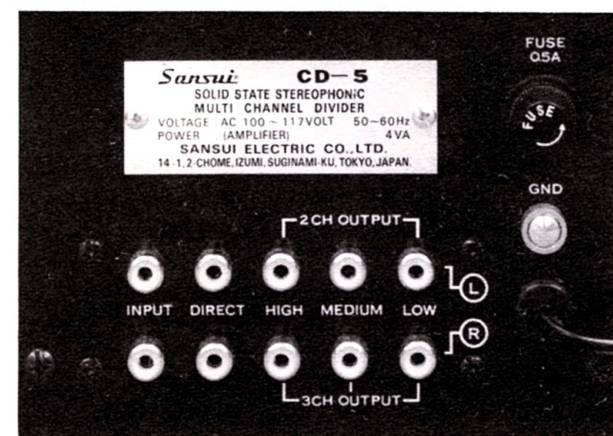
ADVANTAGES OF THE ELECTRONIC CROSS-OVER SYSTEM:

INTERMODULATION DISTORTION REDUCED: Since an electronic crossover system divides

signals by frequency and amplifies them by separate amplifiers, intermodulation distortion—the greatest obstacle to faithful reproduction of original sound—is drastically reduced.

AUTOMATIC AMPLIFIER DAMPING FACTOR: With each main amplifier serving only one speaker, there is no resistance between these components to deteriorate the amplifier's damping factor.

SPEAKER COMBINATIONS INCREASED: An electronic crossover system allows you to select speakers of your choice completely without regard to their impedance or sensitivity characteristics. Literally, you can create the sound you like. In addition, it makes it very easy to match phases or change crossover frequencies. Also, the sound level in each channel can be freely controlled over an extremely wide range.



SPECIFICATIONS

RANGE DIVISION:	2 or 3 ranges (output level of each range individually adjustable except the low channel)
MAXIMUM INPUT VOLTAGE:	3V
RATED OUTPUT:	2V
TOTAL HARMONIC DISTORTION:	less than 0.3% (at rated output)

HUM AND NOISE:	better than -70dB (at rated output)
CONSTANT LOSS:	within 3dB
INPUT IMPEDANCE:	100k Ω
LOAD IMPEDANCE:	more than 10k Ω
CROSSOVER FREQUENCIES:	200Hz, 340Hz, 560Hz, 900Hz, 2.5kHz, 3.6kHz, 5kHz, 7kHz
CROSSOVER FREQUENCY ERROR:	$\pm 20\%$

CROSSOVER CUTOFF CHARACTERISTIC:	6dB/oct. and 12dB/oct. (cutoff characteristic at each crossover individually changeable)
CROSSOVER ATTENUATION:	within 3dB $\pm$ 1dB
POWER REQUIREMENTS:	100/117V AC, 50/60Hz
POWER CONSUMPTION:	4VA
DIMENSIONS:	4 $\frac{3}{8}$ "H x 6"W x 10 $\frac{3}{8}$ "D
WEIGHT:	5.9 lbs.

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