

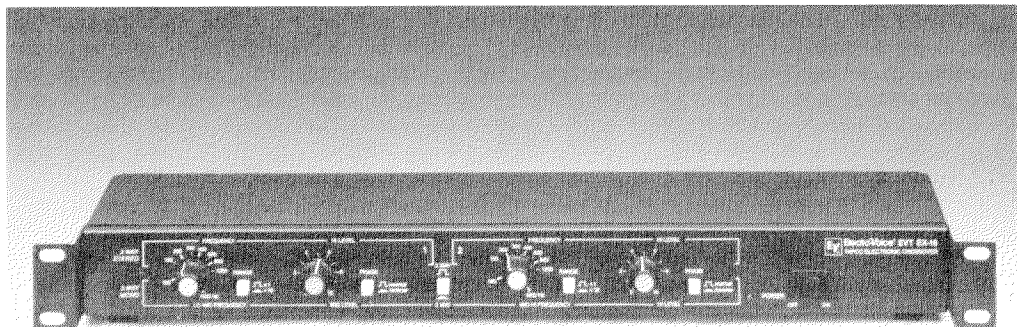


Crossovers

EVT® EX-18

The EVT EX-18 is a Low-Cost Dual Channel 2-Way, Single Channel 3-Way Electronic Crossover. Designed using maximally flat, 18 dB/octave filters, usually used in more expensive products, the EVT EX-18 delivers smooth response at the crossover point. The sharper slope minimizes out-of-band signals that might otherwise be delivered to the wrong drivers, thus reducing distortion and giving an added measure of protection.

A unique mode switch allows easy conversion from 2-way to 3-way operation with no external patching required.



Specifications: EX-18	
Channel Configuration:	Stereo (2-way) Monaural (3-way)
Crossover Frequency Range:	100-8,000 Hz continuously variable
Attenuation Rate Outside of Crossover Region:	18 dB
Frequency Response (Sum of Outputs, Controls Flat):	±0.5 dB; 20-20,000 Hz
Noise Output (20-20,000 Hz Bandwidth):	-90 dBV maximum (-88 dBm)
Maximum Output Level:	+22 dBV (24 dBm)
Transient Performance:	Not limited by slew rate or power bandwidth over 20-20,000 Hz under any normal operating condition
Input Configuration:	Balanced or unbalanced, user selectable
Output Configuration:	Unbalanced
Input Impedance, Bridging—Unbalanced:	15,000 ohms
Balanced:	30,000 ohms
Output Internal Impedance:	470 ohms
Minimum Load Impedance:	600 ohms
High-Frequency Channel Level Control:	0 to -∞ relative to low-frequency channel
High-Frequency Channel Relative Phase:	Switchable, 0° or 180°
Overall Gain (Controls Flat):	0 dB into high-impedance load
Total Harmonic and Intermodulation Distortion (Controls Flat)—Typical:	0.5%, typical, maximum output
CMRR:	40 dB, minimum
Connections:	¼-inch phone jack (tip-ring sleeve)
Overall Dimensions — Height:	44 mm (1.75 in.)
Width:	483 mm (19 in.)
Depth:	127 mm (5 in.)
Weight:	1.9 kg (4 lb)
Shipping Weight:	2.7 kg (6 lb)

WARRANTY (Limited)

All Electro-Voice products are guaranteed against malfunction due to defects in materials and workmanship for a specified period beginning at the date of original purchase. If such a malfunction occurs, the product will be repaired or replaced (at our option) without charge during the period and under the limitations stipulated in the data sheet or owner's manual for that individual product, if delivered prepaid to the proper Electro-Voice service facility. The unit will be returned prepaid. Warranty does not extend to finish, appearance items, or malfunction due to abuse or operation under other than specified conditions, nor does it extend to incidental or consequential damages. Some states do not allow the exclusion or

limitation of incidental or consequential damages, so the above exclusion may not apply to you. Repair by other than Electro-Voice or its authorized service agencies will void this guarantee. A list of authorized warranty service centers is available from Electro-Voice, Inc., 600 Cecil Street, Buchanan, MI 49107 (AC/616-695-6831); Electro-Voice, Inc., 3810 148th Avenue, N.E., Redmond, WA 98052 (AC/206-881-9555); and/or Electro-Voice West, 8234 Doe Avenue, Visalia, CA 93291 (AC/209-651-7777). This warranty gives the customer specific legal rights, and there may also be other rights which vary from state to state.

Electro-Voice engineering continually improves existing products, as well as creating new ones. Thus, specifications given in this brochure are subject to change without notice. For complete specifications consult the appropriate Engineering Data Sheet.



Electro-Voice® a MARK IV company

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