



*First Baptist Church, Amarillo, Texas*



*D.C. Armory, Washington, D.C.*



*Presidential Inauguration '89, Washington, D.C.*



*Cool Jazz Festival, Chicago, Illinois*



*Americana Theatre, Detroit, Michigan*

## Products Without Peer

When Electro-Voice professional sound reinforcement components first appeared in 1975, they were immediately recognized by prominent acoustic consultants as a fundamental contribution to the professional sound reinforcement industry.

Electro-Voice was the first audio manufacturer to address problems that plagued sound reinforcement products for decades—such as high-frequency horns that did not provide even sound coverage throughout the audience, and compression drivers whose performance was compromised by low power capacity. EV was also the first to apply Thiele-Small parameters to low-frequency systems that by old design methods were needlessly large and bulky for many applications.

Electro-Voice has systematically attacked these and other performance problems with innovative engineering and the latest materials and manufacturing technologies.

EV pioneered the use of holographic interferometry, which allows its engineers to monitor the motion of a diaphragm and measure the amplitude of any vibration that takes place—without interfering with the transducer's actual operation. With holography, an engineer can design diaphragms that exhibit the precise theoretic characteristics they desire.

Our TEF™ computer provides transducer performance information not traditionally available, such as transducer performance with respect to time, energy and frequency. Electro-Voice has one of the largest anechoic (echo-free) chambers in the industry, permitting accurate assessments of performance without the interference of room reverberation and echoes.

EV pioneered the use of ultralightweight neodymium magnets in microphones and compression drivers, developed Variable-D® microphones to eliminate proximity effect (up-close bass boost) found in simpler directional microphones and introduced Manifold Technology® to allow, for the first time, the combining of multiple drivers on a single horn without performance compromises.

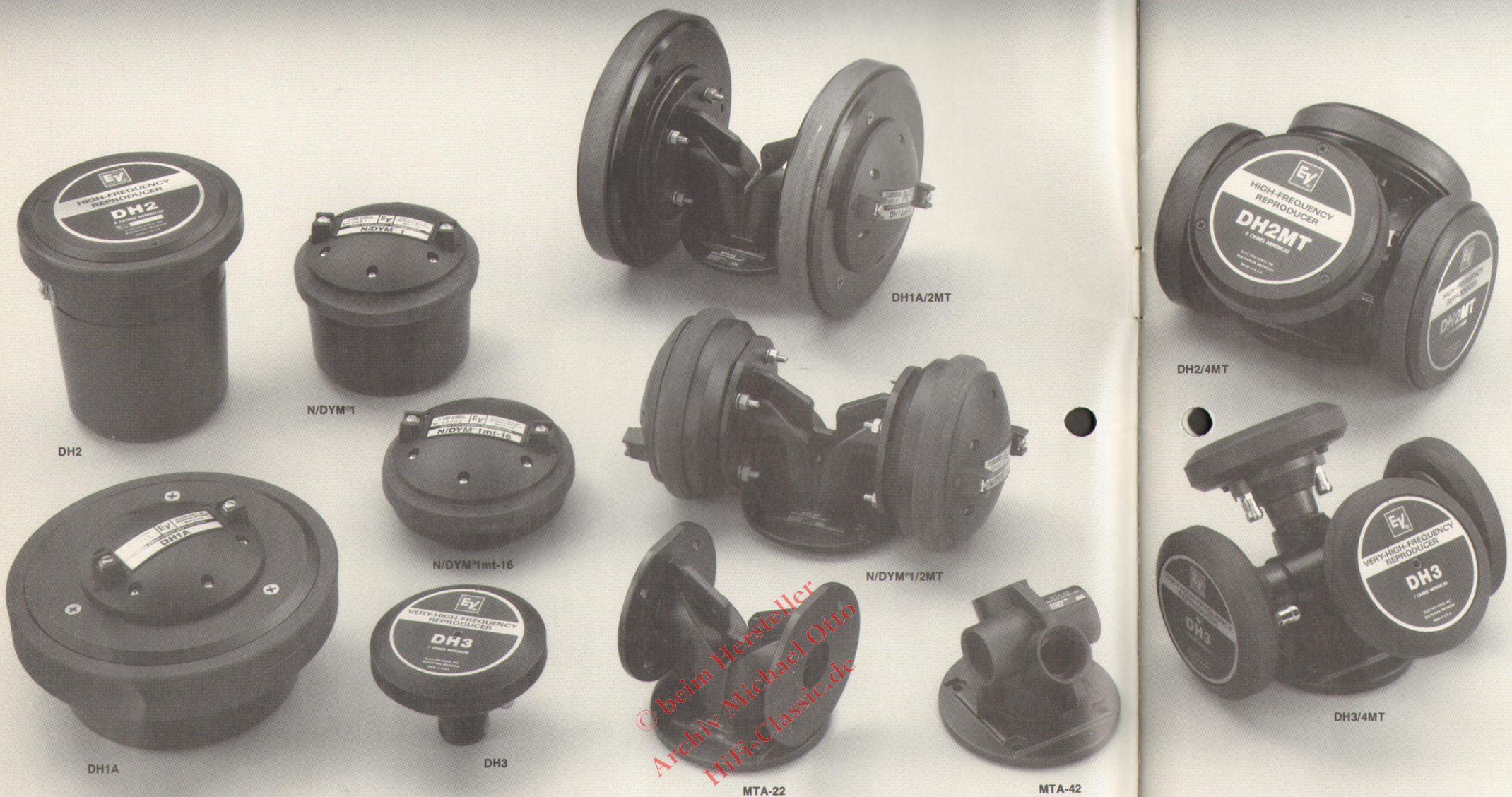
Today, EV is a full-line manufacturer of reliable, innovative high-performance loudspeaker components and systems, microphones, electronics, and accessories for professional applications. These products have been designed with over fifty years of audio experience, and provide superior acoustic performance.

## Table of Contents

Compression Drivers/ . . . . .	pgs. 1 and 2
Compression Driver Manifolds	
High-Frequency Horns . . . . .	pgs. 3 and 4
Low-Frequency Horns . . . . .	pgs. 5 and 6
Full-Range Systems, . . . . .	pgs. 7 and 8
Sentry® Studio Monitors, Ceiling Speakers	
Portable Stage System . . . . .	pgs. 9 and 10
DeltaMax™ Systems . . . . .	pg. 11
MT-4 Manifold Technology® Systems . . .	pg. 12
Microphones . . . . .	pgs. 13 and 14
Powered Mixing Systems . . . . .	pg. 15
Sound Reinforcement Consoles . . . . .	pg. 16
Power Amplifiers . . . . .	pg. 17
Miscellaneous Electronics . . . . .	pg. 18
Modular Electronics . . . . .	pg. 19
Vega Wireless Systems . . . . .	pg. 20

© beim Hersteller  
Archiv Michael Otte  
HiFi-Class.de

# Compression Drivers/Compression Driver Manifolds



Specifications:	N/DYM®1 N/DYM®1-16 <sup>1</sup>	N/DYM®1mt-16 <sup>1</sup>	DH1A DH1A-16 <sup>1</sup>	DH1Amt-16 <sup>1</sup>	DH2
Frequency Response:	500-20,000 Hz	500-20,000 Hz	500-20,000 Hz	500-20,000 Hz	800-17,000 Hz
Typical Sensitivity (1 W/1 m) (horn D <sub>1</sub> = 16 dB avg.):	114 dB	114 dB	114 dB	114 dB	114 dB
Typical Power Capacity, Long-Term: <sup>3</sup>	50 watts	50 watts	50 watts	50 watts	30 watts
Short-Term:	75 watts	75 watts	75 watts	75 watts	60 watts
Throat Diameter:	4.92 cm (1.94 in.)	3.30 cm (1.30 in.)	4.92 cm (1.94 in.)	3.30 cm (1.3 in.)	4.92 cm (1.94 in.)
Dimensions, Diameter:	14.5 cm (5.7 in.)	14.5 cm (5.7 in.)	22.5 cm (8.9 in.)	21.3 cm (8.38 in.)	17.1 cm (6.8 in.)
Depth:	12.7 cm (5.0 in.)	5.8 cm (2.3 in.)	14.0 cm (5.5 in.)	7.0 cm (2.75 in.)	18.7 cm (7.4 in.)
Weight:	3.3 kg (7.2 lb)	3.1 kg (7.0 lb)	10.7 kg (23.5 lb)	10.6 kg (23.31 lb)	6.4 kg (14.0 lb)
Specifications:	N/DYM®1/2MT <sup>2</sup>	DH1A/2MT <sup>2</sup>	DH2/4MT <sup>2</sup>	DH3/4MT	
Frequency Response:	500-20,000 Hz	500-20,000 Hz	800-17,000 Hz	3,500-21,000 Hz	
Typical Sensitivity (1 W/1 m) (horn D <sub>1</sub> = 16 dB avg.):	114 dB	114 dB	114 dB	111 dB	
Typical Power Capacity, Long-Term: <sup>3</sup>	100 watts	100 watts	120 watts	80 watts	
Short-Term:	150 watts	150 watts	240 watts	120 watts	
Throat Diameter:	4.92 cm (1.94 in.)	4.92 cm (1.94 in.)	4.92 cm (1.94 in.)	4.92 cm (1.94 in.)	
Dimensions, Width:	29 cm (11.4 in.)	29 cm (11.4 in.)	29.2 cm (11.5 in.)	25.4 cm (10.0 in.)	
Depth:	14.0 cm (5.5 in.)	21.6 cm (8.5 in.)	23.9 cm (9.4 in.)	16.8 cm (6.6 in.)	
Weight:	8.5 kg (18.6 lb)	21.4 kg (47 lb)	21.6 kg (47.5 lb)	9.8 kg (21.5 lb)	

1. "-16" suffix indicates 16-ohm version; all others are 8 ohms.

2. Supplied with "mt" versions of drivers (see above).

3. Per AES2-1984; ANSI S4.26-1984.

Note: For more detailed specifications consult individual Engineering Data Sheets.

DH2mt	DH3
800-17,000 Hz	3,500-21,000 Hz
114 dB	111 dB
30 watts	20 watts
60 watts	30 watts
Screw-on 1 $\frac{1}{8}$ "-18	Screw-on 1 $\frac{1}{8}$ "-18
15.5 cm (6.13 in.)	12.2 cm (4.8 in.)
9.9 cm (3.88 in.)	8.9 cm (3.5 in.)
5.1 kg (11 lb)	1.9 kg (4.2 lb)

## Compression Drivers

Electro-Voice manufactures a wide variety of high-frequency compression drivers and compression driver manifolds—that combine the output of two or four drivers on a single horn—for all types of installations. Both small- and large-format drivers have 2-inch exits for convenient horn mounting, without accessory adapters. They also feature titanium domes and suspensions for extended high-frequency response to 20,000 Hz and high power-handling capacity.

### Large-Format Compression Drivers

#### **DH1A and DH1Amt, N/DYM®1 and N/DYM®1mt:**

- 3-inch diameter voice coil, large-format driver
- Minimum recommended crossover 500 Hz
- 55-watt long-term power capacity above 500 Hz
- DH1A is an industry standard
- DH1A and N/DYM®1 have 2-inch exits
- DH1Amt and N/DYM®1mt have 1.30-inch exit to mount on MTA-22 manifold
- N/DYM®1 and N/DYM®1mt are the smallest, lightest drivers in their class
- N/DYM®1 is the world's first driver to employ a neodymium magnet structure
- N/DYM®1 and N/DYM®1mt have the world's highest flux density

### Small-Format Compression Drivers

#### **The DH2 and DH2mt:**

- 2½-inch diameter voice coil, small-format driver
- Minimum recommended crossover 800 Hz
- 30-watt long-term power capacity above 800 Hz
- DH2 has a 2-inch exit
- DH2mt has a 1-inch threaded exit to mount on MTA-42 manifold

#### **DH3 Supertweeter:**

- 1.25-inch titanium diaphragm
- Minimum recommended crossover 3,500 Hz
- Designed for three- and four-way systems
- DH3/HPT horn combinations produce constant-directivity supertweeters that match common larger-horn coverage patterns

## Manifolds and Manifold Systems

Until now, when one driver provided an insufficient sound level, the only alternative was to stack horn/driver combinations. While additional output resulted, it was compromised by lobes and nulls in the coverage pattern due to interference between the two sources. Electro-Voice pioneered Manifold Technology®, with devices that coherently combine the output of four small-format drivers—with the MTA-42—or two large-format drivers—with the MTA-22—into a single 2-inch horn.

The MTA-22 and MTA-42 are available separately or in combination with drivers, such as the DH1A/2MT, N/DYM®1/2 MT, DH2/4MT and the DH3/4MT.

#### **Manifolds: MTA-22 and MTA-42**

- Two or four times the normal output from one horn
- Decreased lobbing from multiple sources
- Reliability through redundancy
- Coherent summation of multiple sources
- Identical sonic performance to single driver

#### **Manifold Systems: N/DYM®1/2MT and DH2A/2MT**

- Dual compression driver summation system
- 3 dB more output than single driver
- Redundancy of sources for reliability
- Sonic performance identical to a single driver

#### **DH2/4MT and DH3/4MT:**

- Four-compression-driver summation system
- 6 dB more output than single driver
- Redundancy of sources for reliability
- Sonic performance identical to a single driver



# High-Frequency Horns



© beim Hersteller  
Archiv Michael Otto  
HiFi-Classic.de

Specifications:	HP420	HP640	HP940	HP1240	HP4020
Nominal Coverage Angle (HxV), 6 dB Down, Average:	40° x 20°	60° x 40°	90° x 40°	120° x 40°	40° x 20°
Directivity Factor $R_{\theta}(Q)$ , Average:	47.5 (+26.1, -23.3) (1,250-20,000 Hz)	20.6 (+11.3, -2.6) (1,250-20,000 Hz)	11.8 (+3.7, -3.0) (1,250-20,000 Hz)	8.4 (+2.7, -1.9) (1,250-20,000 Hz)	50.9 (+9.5, -13.0) (1,250-20,000 Hz)
Directivity Index $D_i$ , Average:	16.8 dB (+1.9, -3.0 dB) (1,250-20,000 Hz)	13.1 dB (+1.9, -0.5 dB) (1,250-20,000 Hz)	10.7 dB (+1.2, -1.3 dB) (1,250-20,000 Hz)	9.24 dB (+1.2, -0.9 dB) (1,250-20,000 Hz)	17.1 dB (+0.6, -1.7 dB) (1,250-20,000 Hz)
Lowest Frequency for Full Driver Loading:	400 Hz	400 Hz	400 Hz	400 Hz	200 Hz
Sound Pressure Level, (1 W/1 m) (with N/DYM <sup>®</sup> 1/DH1A or DH2 driver):	114 dB	112 dB	110 dB	108 dB	115 dB
Dimensions, Height:	36.7 cm (14.4 in.)	33.0 cm (13.0 in.)	33.0 cm (13.0 in.)	33.0 cm (13.0 in.)	83.8 cm (33.0 in.)
Width:	61.0 cm (24.0 in.)	71.1 cm (28.0 in.)	53.3 cm (21.0 in.)	53.3 cm (21.0 in.)	81.3 cm (32.0 in.)
Depth:	74.9 cm (29.5 in.)	43.7 cm (17.2 in.)	28.4 cm (11.2 in.)	26.4 cm (10.4 in.)	125 cm (49.3 in.)
Net Weight:	5.90 kg (13.0 lb)	4.31 kg (9.50 lb)	3.18 kg (7.0 lb)	3.18 kg (7.0 lb)	12.2 kg (27.0 lb)
Specifications:	HP94	HP64	HPT42	HPT64	HPT94
Nominal Coverage Angle (HxV), 6 dB Down, Average:	90° x 40°	60° x 40°	40° x 20°	60° x 40°	90° x 40°
Directivity Factor $R_{\theta}(Q)$ , Average:	10.1 (1.6-20 kHz)	18.1 (1.6-20 kHz)	38.0 (3-20 kHz)	15.8 (3-20 kHz)	11.6 (3-20 kHz)
Directivity Index $D_i$ , Average:	10.1 dB (+1.9, -0.9 dB) (1.6-20 kHz)	12.6 dB (+0.9, -2.9 dB) (1.6-20 kHz)	15.8 dB (+2.3, -1.7 dB) (3-20 kHz)	12.0 dB (+1.2, -1.6 dB) (3-20 kHz)	10.6 dB (+1.6, -1.0 dB) (3-20 kHz)
Lowest Frequency For Full Driver Loading:	800 Hz	650 Hz	1.6 kHz	1.6 kHz	1.6 kHz
Dimensions, Height:	22.2 cm (8.8 in.)	22.2 cm (8.8 in.)	20.1 cm (7.9 in.)	13.3 cm (5.3 in.)	13.3 cm (5.3 in.)
Width:	27.9 cm (11.0 in.)	27.9 cm (11.0 in.)	23.5 cm (9.2 in.)	10.4 cm (5.3 in.)	10.4 cm (5.3 in.)
Depth:	22.0 cm (8.7 in.)	22.0 cm (8.7 in.)	31.1 cm (12.3 in.)	10.4 cm (4.1 in.)	10.4 cm (4.1 in.)
Net Weight:	2.5 kg (5.5 lb)	2.5 kg (5.5 lb)	2.5 kg (5.5 lb)	0.4 kg (0.8 lb)	0.5 kg (1.1 lb)

HP6040	HP9040
60° x 40°	90° x 40°
25.8 (+17.9, -5.9) (500-20,000 Hz)	12.1 (+4.6, -3.7) (500-20,000 Hz)
14.1 dB (+2.3, -0.7 dB) (500-20,000 Hz)	10.8 dB (+1.4, -1.6 dB) (500-20,000 Hz)
500 Hz	500 Hz
113 dB	111 dB
81.3 cm (32.0 in.)	81.3 cm (32.0 in.)
71.1 cm (28.0 in.)	67.9 cm (26.8 in.)
80.8 cm (31.8 in.)	80.8 cm (31.8 in.)
9.07 kg (20.0 lb)	9.07 kg (20.0 lb)

Note: For more detailed specifications consult individual Engineering Data Sheets.

## High-Frequency Horns

In 1974, Electro-Voice introduced the world's first "constant-directivity" horns. This advancement in coverage uniformity forever changed the design philosophy of high-frequency horns for professional applications.

The second-generation HP horn series refines the concept of constant directivity with a patented combination of design elements. HP horns have **directivity-optimized mouth size**—just large enough to maintain the rated coverage angle down to a specified low frequency, for the most compact arrays possible. Unique **beamwidth-control vanes** form a wave-guide throat, to totally eliminate beaming in the highest octave, common to other 2-inch-throat horns. **TransPlanar™** design—a patented blend of flared and conical surfaces—provides the smooth frequency response and high-quality driver loading associated with "classic" exponential horns.

Durability as well as performance is offered in HP horns. Each horn features an integral die-cast metal throat encapsulated in the fiberglass side walls. This unitized construction provides very high strength and low weight. This construction is complemented by a charcoal-grey gel-coat finish, for years of service in a variety of environments.

### Large-Format Two-Inch Horns

#### HP9040, HP6040, HP4020:

- Ultimate in dispersion control
- Proper driver loading to 500 Hz
- Constant-directivity control to 500 Hz, both horizontally and vertically

### Medium-Format Two-Inch Horns

#### HP940, HP640, HP420, HP1240:

- Better directivity control below 2,000 Hz than small-format 2-inch horns
- Horizontal constant-directivity control to 500 Hz
- Vertical constant-directivity control to 1,500 Hz
- Proper driver loading to 500 Hz

### Small-Format Two-Inch Horns

#### HP64, HP94:

- Designed as primary high-frequency horns for compact sound systems
- Proper driver loading to 800 Hz
- Constant beamwidth control to 2,000 Hz

#### HPT Horns

#### HPT94, HPT64, HPT42:

- Constant-directivity horns for tweeter and supertweeter applications
- Perfect when combined with DH3 driver to match HP dispersion in 3- and 4-way systems
- Die-cast 1-inch, screw-on throats and fiberglass construction



# Low-Frequency Systems



Specifications:	TL606AX	TL606DX	TL806AX	TL806DX	TL3512
Frequency Response, $\pm 3$ dB:	54-3,200 Hz	50-3,200 Hz	72-5,200 Hz	70-5,200 Hz	38-3,200 Hz
Step-Down Mode (with equalization):	40-3,200 Hz	39-3,200 Hz	52-5,200 Hz	52-5,200 Hz	28-3,200 Hz
Average Power Capacity, Long-Term: <sup>1</sup>	400 watts	800 watts	300 watts	600 watts	400 watts
Short-Term:	1,600 watts	3,200 watts	1,200 watts	2,400 watts	1,600 watts
Sensitivity, (1 W/1 m):	100 dB	103 dB	98 dB	101 dB	99 dB
Nominal Dispersion Angle, (HxV):	115° x 111°	110° x 46°	148° x 123°	139° x 52°	105° x 110°
Directivity Factor $R_{\theta}$ , Median of 400-800-Hz One-Third-Octave Bands:	5.7	9.2	4.3	7.3	5.7
Nominal Impedance:	8 ohms	4 ohms	8 ohms	4 ohms	8 ohms
Transducer Complement:	DL15X (15 in.)	Two DL15X (15 in.)	DL12X (12 in.)	Two DL12X (12 in.)	DL18W (18 in.)
Gross Internal Box Volume:	99 liters (3.5 ft <sup>3</sup> )	198 liters (7.0 ft <sup>3</sup> )	34 liters (1.2 ft <sup>3</sup> )	68 liters (2.4 ft <sup>3</sup> )	255 liters (9.0 ft <sup>3</sup> )
Dimensions, Height:	68.6 cm (27.0 in.)	100 cm (39.5 in.)	54.6 cm (21.5 in.)	85.1 cm (33.5 in.)	100 cm (39.5 in.)
Width:	45.7 cm (18.0 in.)	57.2 cm (22.5 in.)	35.9 cm (14.1 in.)	42.2 cm (16.6 in.)	57.2 cm (22.5 in.)
Depth:	41.4 cm (16.3 in.)	44.7 cm (17.6 in.)	25.9 cm (10.2 in.)	27.7 cm (10.9 in.)	55.9 cm (22.0 in.)
Net Weight:	28.1 kg (62 lb)	49.9 kg (110 lb)	19.5 kg (43 lb)	35.4 kg (78 lb)	49.0 kg (108 lb)
Specifications:	<b>XEQ-504A</b>	<b>XEQ-808</b>	<b>XEQ-804</b>		
Crossover Point:	500 Hz	800 Hz	800 Hz		
High-Frequency Load Impedance:	8 ohms	8 ohms	8 ohms		
Low-Frequency Load Impedance:	4 ohms	8 ohms	4 ohms		
Attenuation Rate:	12 dB/octave	12-dB/octave low-pass 18-dB/octave high-pass	12-dB/octave low-pass 18-dB/octave high-pass		
Long-Term Average Power Capacity:	300 watts	100 watts	100 watts		

1. Per EIA Standard RS-426A.

Note: For more detailed specifications consult individual Engineering Data Sheets.

## Low-Frequency Systems

Electro-Voice was the first to apply the advanced analyses of optimally vented woofer/enclosure combinations of Australian researchers A.N. Thiele and Dr. R.H. Small. At first, many were critical of this new technology, but now this class of low-frequency systems is the industry standard. TL systems have earned a reputation for tight, clean bass from enclosures of modest physical size. They have become the systems-of-choice for a wide variety of professional sound reinforcement and playback applications.

Each TL series system is designed for optimal performance using EV's DL series speakers. DL series speakers allow each TL system to provide a unique and useful combination of high efficiency, high power-handling capacity and extended linear cone excursion. This combination has proven to provide reliable performance, year-after-year.

DL woofers are available separately, for custom enclosures. The DL10X midbass and DL12X and DL15X low-frequency reproducers offer highest efficiency. The DL15W and DL18W very-low-frequency reproducers provide extended bass and high linear cone excursion ability.

### TL800 Series:

- Compact
- Designed around the premium 12-inch DL12X woofer
- Excellent for clear, clean speech

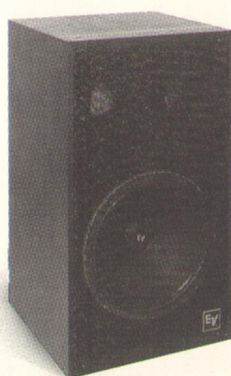
### TL600 Series:

- Designed around the premium 15-inch DL15 series woofers
- Excellent for full, rich bass to below 55 Hz

### TL3512:

- Designed around the premium 18-inch DL15W woofer
- Excellent for subwoofer applications

© beim Hersteller  
Archiv Michael Otto  
HiFi-Classic.de



# Full-Range Systems, Sentry® Studio Monitors, Ceiling Speakers



Specifications:	FR12-2	PI100	FR15-2	FR200	CM12-2
Frequency Response $\pm 3$ dB:	80-18,000 Hz	80-18,000 Hz	50-15,000 Hz	50-18,000 Hz	90-18,000 Hz
Power Capacity, Long-Term: <sup>1</sup>	100 watts	100 watts	200 watts	300 watts	60 watts
Short-Term:	400 watts	400 watts	800 watts	1,200 watts	240 watts
Sensitivity (1 W/1 m):	96 dB	96 dB	97 dB	100 dB	97 dB
Nominal Coverage Angle (HxV):	100° x 100°	100° x 100°	90° x 40°	100° x 100°	100° x 100°
Crossover Frequency:	1,500 Hz	1,500 Hz	1,500 Hz	2,000 Hz	1,500 Hz
Nominal Impedance:	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms
Transducer Complement, High-Frequency:	1.5" Super-Dome™ with Direktor™	1.5" Super-Dome™ with Direktor™	DH1202 driver on 90° x 40° horn	1.5" Super-Dome™ with Direktor™	1.5" Super-Dome™ with Direktor™
Low Frequency: 12"	12"	EVM-15L Series II (15")	EVM12S Pro-Line (12")	12"	12"
Environmental Application:	Indoors	Indoors/outdoors	Indoors	Indoors	Indoors
Dimensions, Height:	64.8 cm (25.5 in.)	61.0 cm (24 in.)	72.1 cm (28.4 in.)	64.8 cm (25.5 in.)	32.8 cm (12.9 in.)
Width:	41.9 cm (16.5 in.)	38.1 cm (15 in.)	80.0 cm (31.5 in.)	41.9 cm (16.5 in.)	40.6 cm (16.0 in.)
Depth:	22.2 cm (8.75 in.)	21.6 cm (8.5 in.)	42.2 cm (16.6 in.)	22.2 cm (8.75 in.)	36.8 cm (14.5 in.)
Net Weight:	20.4 kg (45 lb)	23.7 kg (28 lb)	43.5 kg (96 lb)	23.2 kg (51 lb)	11.1 kg (24.5 lb)

1. Per EIA Standard RS-426A.

Note: For more detailed specifications consult individual Engineering Data Sheets.

RO-8A	PRO-12B
80-16,000 Hz	70-16,000 Hz
60 watts	60 watts
240 watts	240 watts
96 dB	96 dB
90° x 90°	80° x 80°
—	—
8 ohms	8 ohms
1.5" piezoelectric 8"	1.5" Super-Dome™ 12"
Indoors	Indoors
20.5 cm (8.6 in.)	30.9 cm (12.17 in.)
20.5 cm (8.6 in.)	30.9 cm (12.17 in.)
8.0 cm (3.15 in.)	15.2 cm (6 in.)
1.2 kg (2.7 lb)	5.5 kg (12 lb)

## **Full-Range Systems, Sentry® Studio Monitors, Ceiling Speakers**

All Electro-Voice full-range and Sentry® monitor systems are designed for professional sound applications. Each family of systems is designed for high sensitivity, high power handling, smooth frequency response, and uniform coverage. Each individual system is designed with a unique combination of enclosure and easy installation features required for many specific professional sound applications. EV ceiling speakers are wide-range, two-way units designed for high-performance distributed systems.

### **Full-Range Systems:**

- Constant-directivity horns in all systems
- P1100 features weatherproof black polyethylene construction
- FR systems have an oak-grain vinyl finish to complement most interiors
- T-nut loaded for easy installation

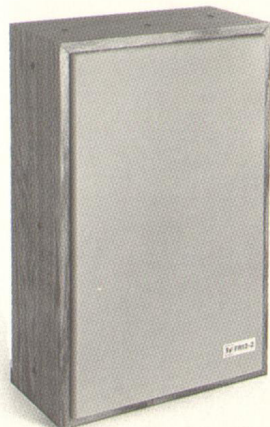
### **Sentry® Monitors:**

- Accurate reproduction
- Uniform coverage
- Consistent, linear response
- Large, small, slant and amplified configurations

### **Ceiling Speakers:**

- The PRO-12B is the world's finest wide-dispersion 12-inch speaker for ceiling applications
- PRO-8A's work where conventional 8-inch speakers would fail

© beim Hersteller  
Archiv Michael Otto  
HiFi-Classic.de



# Portable Stage Systems



© beim Hersteller  
Archiv Michael Otto  
HiFi-Classic.de

Specifications:	FM-1202ER	FM-1502ER	SH-1502ER	SH-1512ER	SH-1810ER
Frequency Response, ± 3 dB:	75-20,000 Hz	65-20,000 Hz	62-20,000 Hz	50-20,000 Hz	46-20,000 Hz
Power Capacity, Long-Term: <sup>1</sup>	300 watts	300 watts	200 watts	200 watts	300 watts
Short-Term:	1,200 watts	1,200 watts	800 watts	800 watts	1,200 watts
Sensitivity (1 W/1 m):	101.5 dB	102 dB	102.5 dB	100 dB	105 dB
Nominal Coverage Angle (HxV):	110° x 45°	105° x 50°	110° x 45°	110° x 45°	60° x 45°
Crossover Frequency:	1,500 Hz	1,500 Hz	1,600 Hz	1,600 Hz	250 Hz/2,500 Hz
Nominal Impedance:	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms
Transducer Complement, High Frequency:	DH2010A on a 90° x 40° constant-directivity horn	DH2010A on a 90° x 40° constant-directivity horn	DH2010A on a 90° x 40° constant-directivity horn	DH2010A on a 90° x 40° constant-directivity horn	DH3 driver, DL10X midrange
Low Frequency:	EVM-12S Pro-Line (12")	EVM-15B Pro-Line (15")	EVG-15 (15")	EVG-15 (15")	EVM-18B Pro-Line (18")
Dimensions, Height:	49.2 cm (19.4 in.)	55.9 cm (22 in.)	81.0 cm (31.9 in.)	81.0 cm (31.9 in.)	121 cm (47.6 in.)
Width:	49.2 cm (19.4 in.)	57.1 cm (22.5 in.)	62.7 cm (24.7 in.)	62.7 cm (24.7 in.)	63 cm (24.8 in.)
Depth:	61.9 cm (24.4 in.)	70.8 cm (27.9 in.)	40.6 cm (16.0 in.)	40.6 cm (16.0 in.)	61 cm (24.0 in.)
Net Weight:	29.5 kg (65 lb)	34.2 kg (72.2 lb)	36.7 kg (81.1 lb)	34.0 kg (75 lb)	75 kg (163 lb)
Specifications:	S-1202ER	S-1503	S-1803	S-200	
Frequency Response, ± 3 dB:	75-20,000 Hz	62-16,000 Hz	50-16,000 Hz	50-18,000 Hz with EQ/90-18,000 Hz	
Power Capacity, Long-Term: <sup>1</sup>	300 watts	200 watts	200 watts	300 watts	
Short-Term:	1,200 watts	1,600 watts	800 watts	1,200 watts	
Sensitivity (1 W/1 m):	101.5 dB	100 dB	99.5 dB	96 dB/100 dB with EQ	
Nominal Coverage Angle (HxV):	110° x 50°	115° x 105°	120° x 70°	100° x 100°	
Crossover Frequency:	1,500 Hz	600 Hz and 4,000 Hz	600 Hz and 4,000 Hz	2,000 Hz	
Nominal Impedance:	8 ohms	8 ohms	8 ohms	8 ohms	
Transducer Complement, High Frequency:	DH2010A on 90° x 40° constant-directivity horn	ST350B tweeter, vented midrange	ST350B tweeter, vented midrange	1½" tweeter with Direktor™	
Low Frequency:	EVM-12S Pro-Line (12")	EVX-15 (15")	EVX-18 (18")	EVM12S Pro-Line (12")	
Dimensions, Height:	62.7 cm (24.7 in.)	72.9 cm (28.7 in.)	90.2 cm (35.5 in.)	61.0 cm (24.0 in.)	
Width:	48.6 cm (19.1 in.)	35.1 cm (13.8 in.)	49.2 cm (19.4 in.)	38.1 cm (15.0 in.)	
Depth:	29.8 cm (11.7 in.)	61.9 cm (24.4 in.)	71.1 cm (28.0 in.)	21.6 cm (8.5 in.)	
Net Weight:	30 kg (66 lb)	47.7 kg (105 lb)	60.9 kg (134 lb)	16.3 kg (36 lb)	

1. Per EIA Standard RS-426A.

Note: For more detailed specifications consult individual Engineering Data Sheets.

SH-1810L-ER	SH-1810H-ER
46-250 Hz	250-20,000 Hz
400 watts	300 watts
3,200 watts	1,200 watts
100 dB	105 dB
Omnidirectional	60° x 45°
250 Hz	2,500 Hz
8 ohms	8 ohms
—	DH3
EVM-18B Pro-Line (18")	DL10X (10")
83 cm (32.8 in.)	42 cm (16.4 in.)
63 cm (24.8 in.)	63 cm (24.8 in.)
61 cm (24.0 in.)	62 cm (24.6 in.)
49 kg (109 lb)	42 kg (89 lb)
100S	
80-18,000 Hz	
100 watts	
400 watts	
96 dB	
100° x 100°	
1,500 Hz	
8 ohms	
1½" tweeter with Direktor™	
12" woofer	
61.0 cm (24.0 in.)	
38.1 cm (15.0 in.)	
21.6 cm (8.5 in.)	
12.7 kg (28 lb)	

## **Portable Stage Systems and Monitors**

Electro-Voice pioneered high-fidelity, high-accuracy sound for professional musicians, goals embodied in the line of stage systems and monitors. These systems are optimized, portable, all-in-one packages, ready for immediate use in a variety of music or speech applications. They feature the highest-quality components.

- Wide, smooth frequency response
- Constant-directivity coverage
- High power handling
- Rugged Road-Wood™ construction

© beim Hersteller  
Archiv Michael Otto  
HiFi-Classic.de





Specifications:	DML-1122 <sup>2</sup>	DML-1152 <sup>2</sup>	DML-2181
Frequency Response, ± 3 dB:	70-20,000 Hz	50-20,000 Hz	36-190 Hz
Average Power Capacity, Long-Term (HF/LF): <sup>1</sup>	75/300 watts	75/400 watts	800 watts
Short-Term (HF/LF):	300/1,200 watts	300/1,600 watts	3,200 watts
Sensitivity (1 W/1 m):	98 dB	100 dB	98 dB
Nominal Coverage Angle (HxV):	80° x 55°	60° x 40°	285° x 240°
Crossover Frequency:	1,250 Hz	1,250 Hz	100 Hz
Nominal Impedance:	8 ohms/8 ohms	8 ohms/8 ohms	Two 8-ohm loads
Transducer Complement, High Frequency:	DH1Amt	DH1A	—
Low Frequency:	DL12X variant (12")	DL15X (15")	Two DL18mt (18")
Dimensions, Height:	58.4 cm (23.0 in.)	75.9 cm (29.88 in.)	91.4 cm (36.0 in.)
Width:	37.1 cm (14.63 in.)	45.2 cm (17.78 in.)	57.2 cm (22.5 in.)
Depth:	35.6 cm (14.0 in.)	41.4 cm (16.28 in.)	75.9 cm (29.88 in.)
Net Weight:	33.9 kg (75 lb)	47.4 kg (105 lb)	79.5 kg (175 lb)

1. Per EIA Standard RS-426A.

2. Available with flying hardware with "F" suffix.

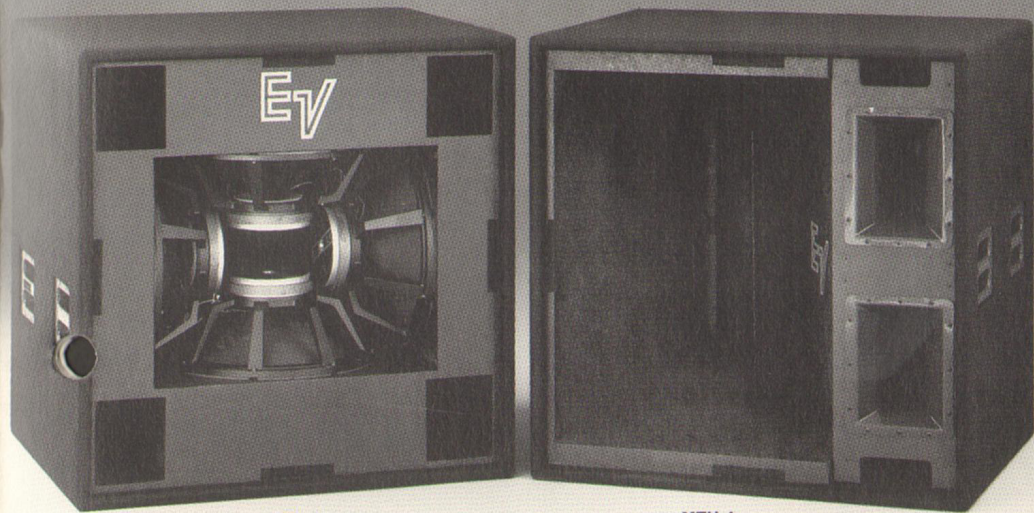
Note: For more detailed specifications consult individual Engineering Data Sheets.

## DeltaMax™ Systems

The DeltaMax™ line of electronically controlled speaker systems provides the contractor with a series of small, high-output speaker systems which protect themselves from damage due to overexcursion, voice-coil overheating and amplifier clipping. Systems include the ultracompact DML-1122 12-inch two-way, the DML-1152 15-inch two-way, and the DML-2181 dual 18-inch subwoofer. These systems should be used only with the associated DMC controllers: DMC-1122A, DMC-1152A and DMC-2181.

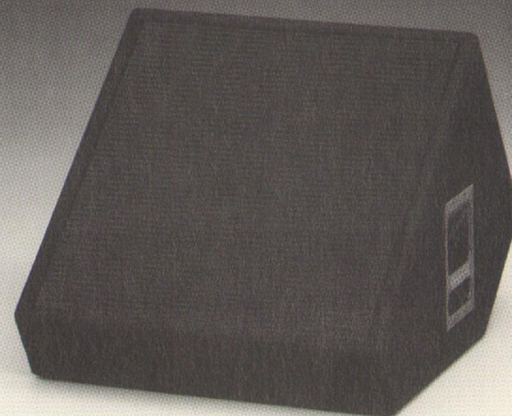
- Optimal sonic quality from a small box
- Matched electronics and loudspeaker systems
- Maximum output without compromising sonic quality
- Easy-to-install Aeroquip flying hardware on "F" versions
- Controller features 4th-order 24-dB/octave Linkwitz-Riley filters, signal delay, and equalization for flat frequency response
- Excursion, thermal and amplifier-clipping protection

# MT-4 Manifold Technology® Systems



MTL-4

MTH-4



FS-212

Specifications:	MTL-4 <sup>2</sup>	MTH-4 <sup>2</sup>	FS-212
Frequency Response:	40-225 Hz	150-20,000 Hz	50-20,000 Hz
Power Capacity, Long-Term: <sup>1</sup>	1,600 watts	MB/MF/HF: 1,200/290/100 watts	LF/HF: 600/75 watts
Short-Term:	6,400 watts	4,800/960/400 watts	LF/HF: 2,400/300 watts
Sensitivity (1 W/1 m):	102 dB	MB/MF/HF: 107/113/108 dB	LF/HF: 101/113 dB
Nominal Coverage Angle (HxV):	180° x 180°	60° x 40°	60° x 40°
Crossover Frequency:	160 Hz	MB/MF/HF: 160/1,600/8,000 Hz	1,250 Hz
Nominal Impedance:	Two 4-ohm loads	MB/MF/HF: 8 ohms/8 ohms/8 ohms	LF/HF: 4 ohms (pair)/8 ohms
Transducer Complement,			
High Frequency:		One DH2010/4mt	
Mid Frequency:		One DH2/4mt	
Low Frequency:	Four DL18mt (18")	Four DL10X (10")	
Finish:	Black Ozite Super TNT carpet	Black Ozite Super TNT carpet	Black Ozite Super TNT carpet
Dimensions,			
Height:	91.4 cm (36 in.)	91.4 cm (36 in.)	67.3 cm (26.5 in.)
Width:	91.4 cm (36 in.)	91.4 cm (36 in.)	59.7 cm (23.5 in.)
Depth:	76.2 cm (30 in.)	76.2 cm (30 in.)	42.5 cm (16.8 in.)
Net Weight:	119 kg (297 lb)	166 kg (367 lb)	54.5 kg (120 lb)

1. Per EIA Standard RS-426A.

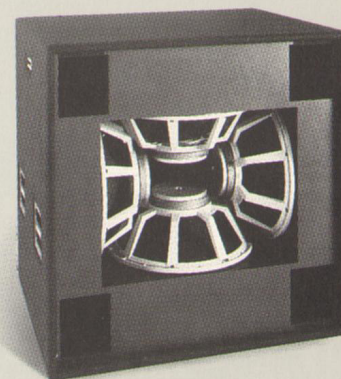
2. Available with flying hardware: "F" suffix; painted "P" suffix; painted/flying "PF" suffix.

Note: For more detailed specifications consult individual Engineering Data Sheets.

## MT-4 Manifold Technology® Systems

Through the use of Manifold Technology®, MT-4 systems deliver unmatched acoustic power for their size. Thus, multiple sources and the interference problems they cause can be avoided.

- Four drivers manifolded in each of four band passes
- Clean, clear full-range sound up to 20,000 Hz
- Uniform 60° x 40° coverage from 160-20,000 Hz
- MTX-4 preset crossover/equalizer/signal-delay electronics available





Specifications:	PL80	635A	DS35	RE10	RE11
Frequency Response:	60-17,000 Hz	80-13,000 Hz	60-17,000 Hz	90-13,000 Hz	90-13,000 Hz
Polar Pattern:	Supercardioid	Omnidirectional	Cardioid	Supercardioid	Supercardioid
Output Level: <sup>1</sup>	-56 dB	-55 dB	-60 dB	-56 dB	-56 dB
Dimensions, Length:	191 mm (7.5 in.)	151 mm (5.94 in.)	184 mm (7.25 in.)	172 mm (6.75 in.)	187.3 mm (7.38 in.)
Maximum Diameter:	50.8 mm (2 in.)	36 mm (1.41 in.)	48 mm (1.88 in.)	35 mm (1.38 in.)	45.2 mm (1.78 in.)
Net Weight:	350 g (12.3 oz)	170 g (6 oz)	261 g (9.2 oz)	170 g (6 oz)	170 g (6 oz)
Specifications:	RE15	RE18	RE20	DL42	RE98
Frequency Response:	80-15,000 Hz	80-15,000 Hz	45-18,000 Hz	50-12,000 Hz	80-15,000 Hz
Polar Pattern:	Supercardioid	Supercardioid	Cardioid	Hypercardioid	Omnidirectional
Output Level: <sup>1</sup>	-56 dB	-57 dB	-57 dB	-50 dB	-45 dB
Dimensions, Length:	187.3 mm (7.38 in.)	178 mm (7.0 in.)	216.7 mm (8.53 in.)	426 mm (16.75 in.)	21.6 mm (0.851 in.)
Maximum Diameter:	45.2 mm (1.78 in.)	41 mm (1.63 in.)	54.4 mm (2.14 in.)	97 mm (3.75 in.)	10.5 mm (0.415 in.)
Net Weight:	227 g (8 oz)	230 g (8 oz)	737 g (26 oz)	369 g (13 oz)	19 g (0.67 oz)
Specifications:	N/D257	N/D357	N/D457	N/D757	N/D308
Close Response:	35-19,000 Hz	25-20,000 Hz	25-21,000 Hz	25-22,000 Hz	40-22,000 Hz
Polar Pattern:	Cardioid	Supercardioid	Hypercardioid	Supercardioid	Cardioid
Output Level: <sup>1</sup>	-53 dB	-53 dB	-50 dB	-50 dB	-53 dB
Dynamic Range:	141 dB	141 dB	144 dB	144 dB	141 dB
Dimensions, Height:	181 mm (7.12 in.)	181 mm (7.12 in.)	181 mm (7.12 in.)	181 mm (7.12 in.)	115 mm (4.55 in.)
Diameter:	52 mm (2.05 in.)	52 mm (2.05 in.)	52 mm (2.05 in.)	52 mm (2.05 in.)	72 mm (2.85 in.)
Weight:	200 g (7.05 oz)	200 g (7.05 oz)	200 g (7.05 oz)	218 g (7.7 oz)	190 g (6.7 oz)
Specifications:	PL50-N/D	PL60-N/D	PL70-N/D	PL77B	PL10
Frequency Response:	80-18,000 Hz	70-18,000 Hz	60-18,000 Hz	50-20,000 Hz	75-15,000 Hz
Polar Pattern:	Cardioid	Supercardioid	Hypercardioid	Cardioid	Cardioid
Dynamic Range:	141 dB	141 dB	144 dB	100 dB	—
Output Level: <sup>1</sup>	-53 dB	-53 dB	-50 dB	-50 dB	-55.8 dB
Dimensions, Length:	169 mm (6.67 in.)	169 mm (6.67 in.)	169 mm (6.67 in.)	191 mm (7.5 in.)	134.6 mm (5.3 in.)
Maximum Diameter:	50 mm (1.97 in.)	50 mm (1.97 in.)	50 mm (1.97 in.)	51 mm (2 in.)	42.2 mm (1.7 in.)
Net Weight:	276 g (9.7 oz)	276 g (9.7 oz)	276 g (9.7 oz)	343 g (12 oz)	315 g (11 oz)

1. 0 dB = 1mW/10 dynes/cm<sup>2</sup>

Note: For more detailed specifications consult individual Engineering Data Sheets.

Specifications:	RE16	
Frequency Response:	85-15,000 Hz	
Polar Pattern:	Supercardioid	
Output Level: <sup>1</sup>	-56 dB	
Dimensions, Length:	187.3 mm (7.38 in.)	
Maximum Diameter:	45.2 mm (1.78 in.)	
Net Weight:	227 g (8 oz)	
Specifications:	CO15P	CS15P
Frequency Response:	20-18,000 Hz	40-18,000 Hz
Polar Pattern:	Omnidirectional	Cardioid
Output Level: <sup>1</sup>	-49 dB	-45 dB
Dimensions, Length:	27 mm (1.06 in.)	27 mm (1.06 in.)
Maximum Diameter:	27 mm (1.06 in.)	27 mm (1.06 in.)
Net Weight:	212.6 g (7.5 oz)	227 g (8 oz)
Specifications:	N/D408	
Frequency Response:	30-22,000 Hz	
Polar Pattern:	Supercardioid	
Output Level: <sup>1</sup>	-50 dB	
Dynamic Range:	144 dB	
Dimensions, Height:	115 mm (4.55 in.)	
Diameter:	72 mm (2.85 in.)	
Weight:	190 g (6.7 oz)	
Specifications:	BK-1	
Frequency Response:	50-18,000 Hz	
Polar Pattern:	Cardioid	
Output Level: <sup>1</sup>	100 dB	
Dynamic Range:	-50 dB	
Dimensions, Length:	190.5 mm (7.5 in.)	
Maximum Diameter:	50 mm (1.97 in.)	
Net Weight:	343 g (12 oz)	

## Microphones

Electro-Voice is the leading innovator in dynamic microphones. Our Variable-D® cardioid microphones utilize porting to the rear of the diaphragm to minimize the up-close bass boost — proximity effect — that can compromise the performance of otherwise well-designed sound systems.

### PL, RE Microphones:

- Mic families that meet a variety of audio applications
- Available in Variable-D® or Single-D designs
- Shock- or non-shock-mounted formats
- High or low impedance
- Models available with/without P-pop filters
- Models available for speech and instrumental applications

### N/DYM® Microphones

Electro-Voice pioneered the use of neodymium in audio products. Our first innovation — N/DYM® microphones with ultra-powerful neodymium magnets — brings a new level of performance to microphones designed for handheld vocal and instrumental use.

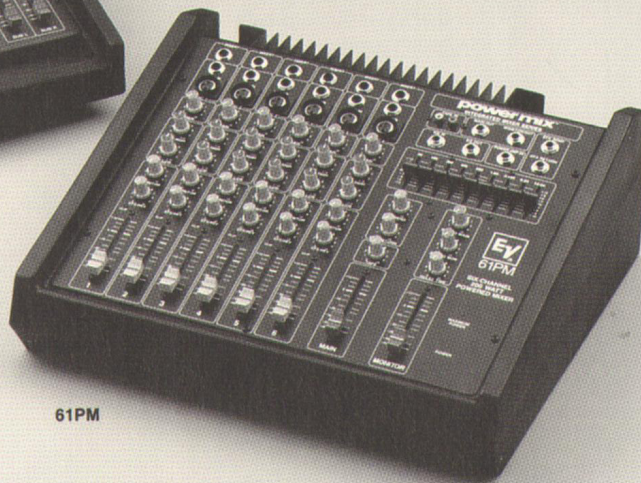
- Neodymium magnet—four times the power of conventional microphone magnets
- 6 dB more sensitivity
- Lower distortion
- Extended high-frequency response
- Reduced feedback and handling noise



# Powered Mixing Systems



100M



61PM



(see pages 9 and 10 for loudspeaker details)

Specifications:	61PM	100M
Frequency Response:	20-20,000 Hz $\pm$ 1 dB	20-20,000 Hz $\pm$ 1 dB
Configuration:	Mono	Stereo
Power Output, 4-Ohms:	200 watts	100 watts
8-Ohms:	125 watts	—
Inputs:	6 mic/line 1 tape	8 mic/line 2 line
Features:	9-band graphic EQ, reverb, main and monitor, 2-band EQ on inputs	Stereo 8-band graphic EQ, reverb, main, 3-band EQ on inputs
Dimensions, Height:	174 mm (6.85 in.)	203.2 mm (8.0 in.)
Depth:	394 mm (15.5 in.)	482.6 mm (19.0 in.)
Width:	445 mm (17.5 in.)	508 mm (20.0 in.)
Weight:	11.4 kg (25.0 lb)	16.3 kg (36 lb)

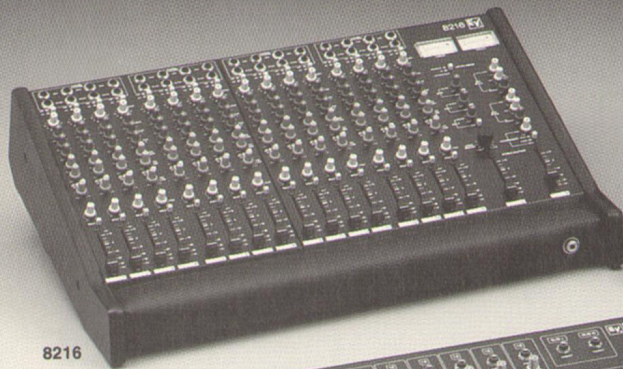
Note: For more detailed specifications consult individual Engineering Data Sheets.

## Powered Mixing Systems

Electro-Voice powered mixers deliver high sonic quality and versatility in a variety of sizes and configurations. These mixers can be used with the 100S and S-200 speakers and the 100BK speaker stand to form a compact, portable sound system.

- Portable
- Conservatively rated
- Rugged polyethylene case construction
- 100-watt, 10-input stereo and 200-watt, 6-input mono configurations

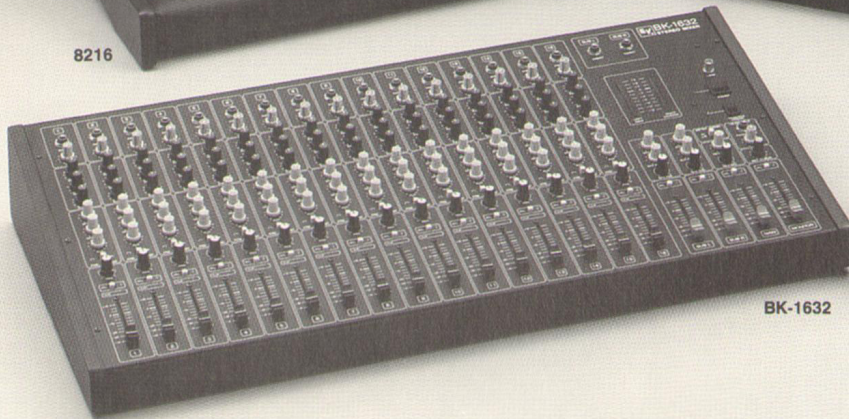
# Sound Reinforcement Consoles



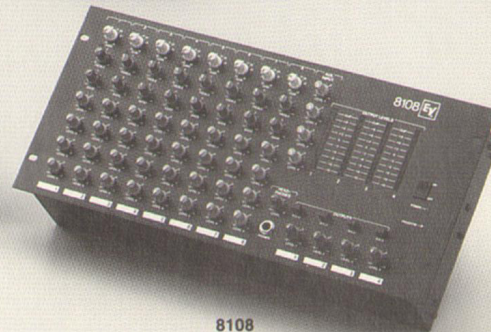
8216



BK-832



BK-1632



8108

© beim Hersteller  
Archiv Michael Otto  
HiFi-Classic.de

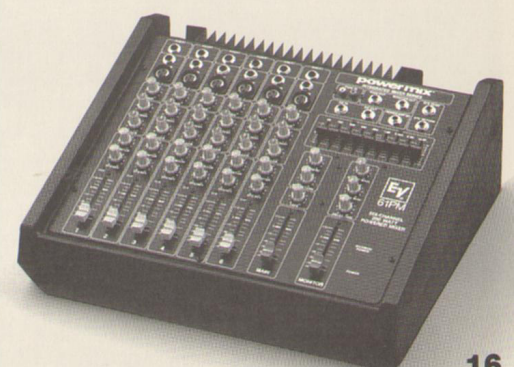
## Mixing Consoles

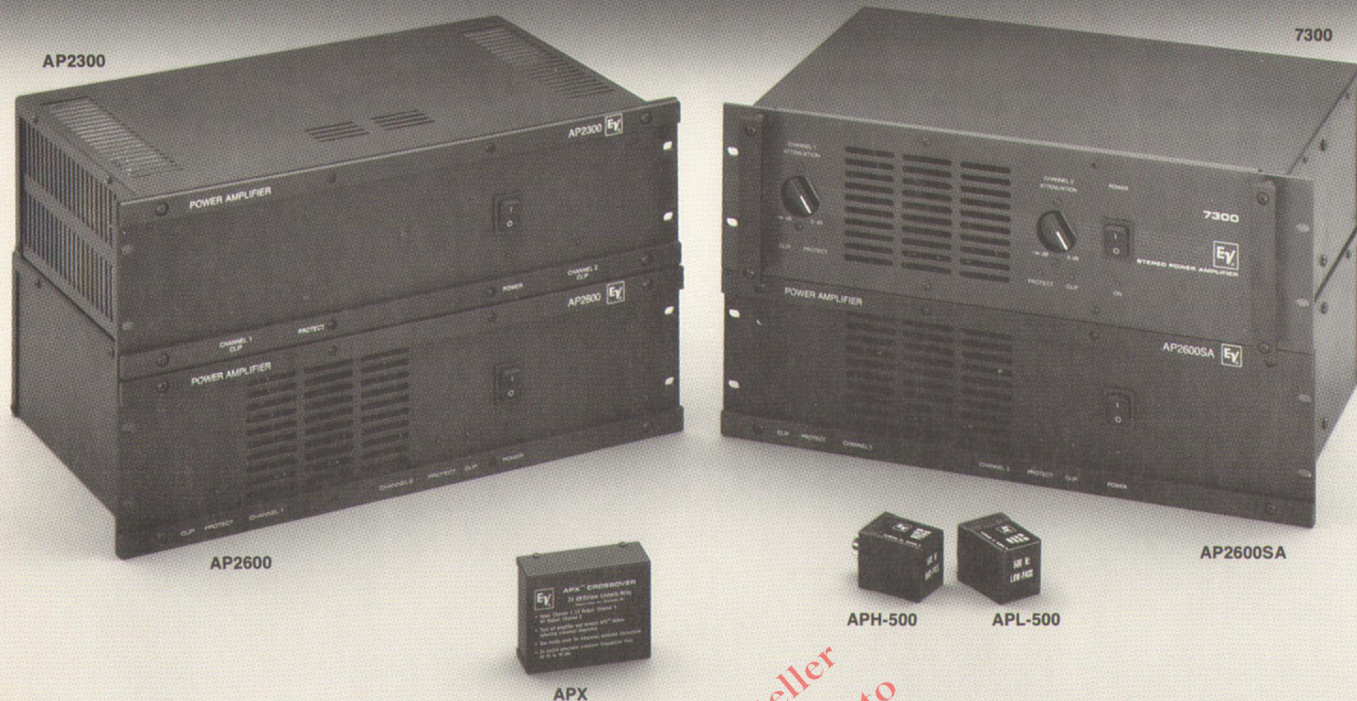
<b>8108</b>	8-channel, 4-output matrix rack-mount mixer
<b>8208</b>	8-channel stereo/mono mixing console
<b>8212</b>	12-channel stereo/mono mixing console
<b>8216</b>	16-channel stereo/mono mixing console
<b>8408</b>	8-channel, 4-subgroup, stereo/mono mixing console
<b>8416</b>	16-channel, 4-subgroup, stereo/mono mixing console
<b>8424</b>	24-channel, 4-subgroup, stereo/mono mixing console
<b>8432</b>	32-channel, 4-subgroup, stereo/mono mixing console
<b>BK-832</b>	8-channel stereo/mono mixing console
<b>BK-1232</b>	12-channel stereo/mono mixing console
<b>BK-1632</b>	16-channel stereo/mono mixing console
<b>BK-2432</b>	24-channel stereo/mono mixing console

## Sound Reinforcement Mixing Consoles

These mixers offer the kinds of features and versatility that will fulfill the requirements of fixed-installation systems. They come in a variety of input/output configurations and offer optimum circuit design to reduce distortion and noise. And they're available in compact, space-saving styles.

- 8108 is an 8-channel mono console
- 82 series features 2-buss consoles in 8-, 12-, or 16-channel configurations
- 84 series features 4-buss consoles in 8-, 12-, 16-, 24- or 32-channel configurations
- BK series features stereo consoles in 8-, 12-, 16- and 24-channel configurations





Specifications:	AP2300	AP2600	7300
<b>Frequency Response:</b>	20-20,000 Hz ± 1 dB	20-20,000 Hz ± 1 dB	20-20,000 Hz ± 1 dB
<b>Power Output, Stereo, 4 Ohms:</b>	150 watts	300 watts	300 watts
<b>8-Ohms:</b>	100 watts	200 watts	200 watts
<b>Bridged Mono, 8-Ohms:</b>	300 watts	600 watts	600 watts
<b>16-Ohms:</b>	200 watts	400 watts	400 watts
<b>Distortion (THD):</b>	0.10% 4-ohm load 0.01% 8-ohm load	0.10% 4-ohm load 0.01% 8-ohm load	0.10% 4-ohm load 0.01% 8-ohm load
<b>Noise:</b>	100 dB*	100 dB*	100 dB*
<b>Connections,</b>			
<b>Input (actively balanced):</b>	Barrier strip/XLR	Barrier strip/XLR	XLR/¼" phone
<b>Output:</b>	Barrier strip	Barrier strip	Five-way binding post
<b>Accessory:</b>	Octal socket	Octal socket	Octal socket
<b>Dimensions, Height:</b>	13.3 cm (5.25 in.)	13.3 cm (5.25 in.)	13.3 cm (5.25 in.)
<b>Width:</b>	48.3 cm (19 in.)	48.3 cm (19 in.)	48.3 cm (19 in.)
<b>Depth:</b>	32.4 cm (12.75 in.)	32.4 cm (12.75 in.)	32.4 cm (12.75 in.)
<b>Weight:</b>	17.7 kg (39 lb)	17.7 kg (39 lb)	17.7 kg (39 lb)

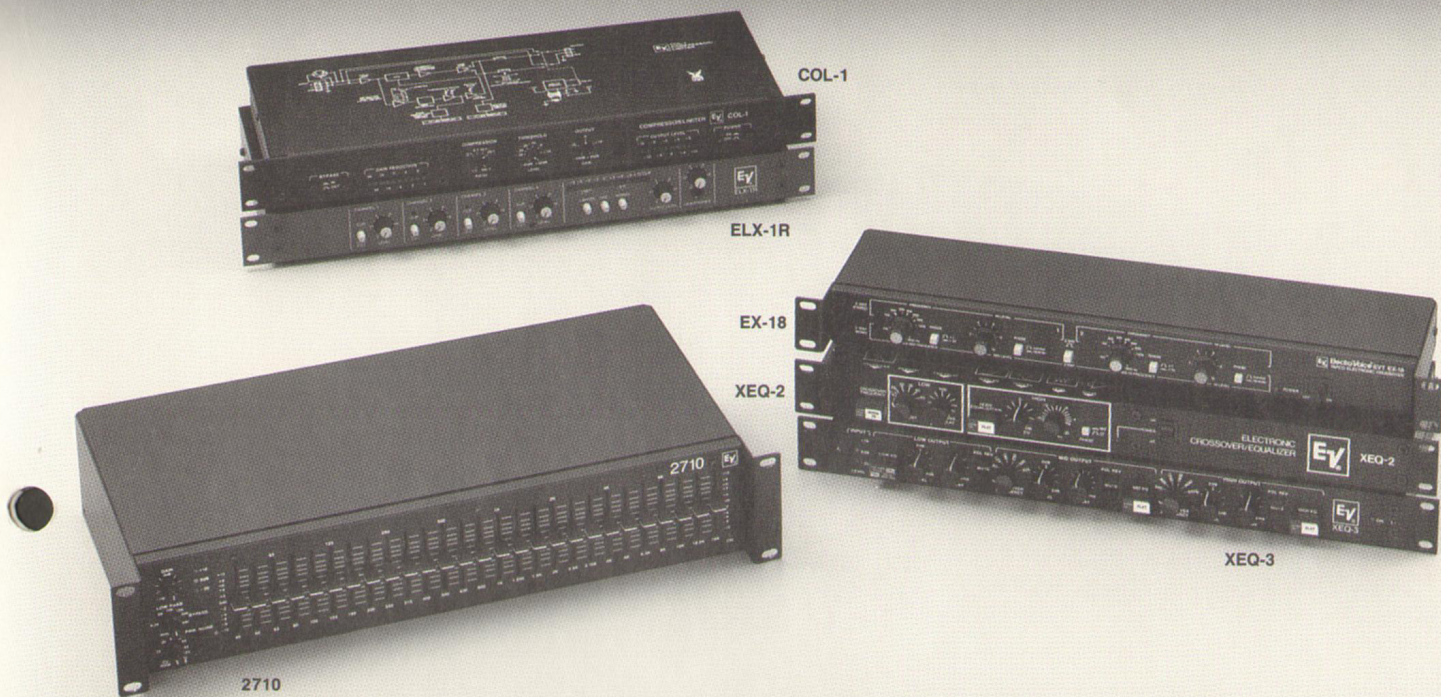
\* Below full-rated output.

Note: For more detailed specifications consult individual Engineering Data Sheets.

## Power Amplifiers

Electro-Voice offers a complete line of power amplifiers designed for fixed-installation applications, providing optimum reliability coupled with cost effectiveness, various power levels and easy-to-use accessories.

- Rear-mounted attenuators
- Precision stepped attenuators on SA models (1 dB per step)
- Barrier strip inputs and outputs
- Asymmetrical cooling
- Octal sockets for input accessories
- Input accessories include APM-1 transformer, APX crossover module, CX1 crossover/delay/EQ module and APH/APL series high- and low-pass filters
- Output accessories include AT100 and AT300 autoformers, and TR150, TR300 and TR600 70.7-volt output transformers



## Miscellaneous Electronics

Electro-Voice offers a complete line of electronics specifically designed for fixed-installation applications. Many features were built into these products utilizing suggestions from installers and users.

### XEQ-2, XEQ-3 Active Crossovers:

- 2- and 3-way configurations
- Allow low-frequency signal delay for source alignment
- Low-frequency boost for extended bass, step-down operation of TL bass systems
- Simple, easy-to-install modules for compression-driver high-frequency equalization

### EX-18:

- 2-way stereo crossover
- 3-way mono
- Variable crossover frequency

### 2710 Graphic Equalizer:

- 27-band,  $\frac{1}{3}$ -octave equalizer
- Constant Range™ variable-Q filters
- Minimal interference between adjacent filters
- User-selectable high- and low-pass filters
- Built-in pink-noise generator for noise masking, system equalization and other applications

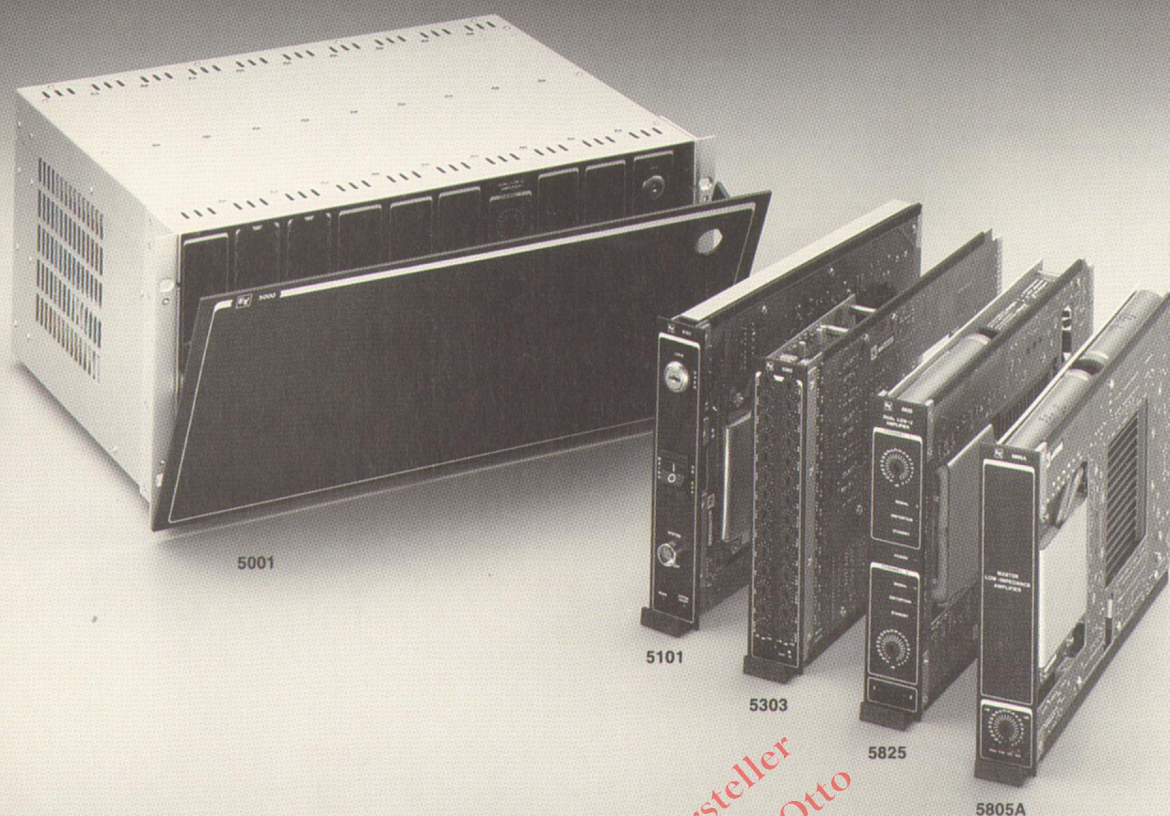
### COL-1 Compressor/Limiter:

- Unique circuitry eliminates peak reversion
- Designed especially for fixed installations

### ELX-1R:

- Exceptionally low distortion and noise
- LED clip indicators on each channel
- 4-inputs, 1 output
- Built-in limiter





## EV 5000 Series Modular System

<b>5001</b>	Main frame
<b>5105</b>	ac power distribution module
<b>5202</b>	Two-way crossover with switchable crossover slope
<b>5301</b>	Octave-band equalizer
<b>5303</b>	One-third-octave equalizer
<b>5306</b>	Notch filter
<b>5502</b>	Four-input automatic mixer with remote-controllable output
<b>5503</b>	Four-input automatic mixer with remote-controllable inputs and outputs
<b>5505</b>	Six-input, one-output mixer
<b>5506</b>	Six-input, two-output mixer with remote-control capacity
<b>5702</b>	Compressor/limiter
<b>5805A</b>	100-watt low-impedance (4- or 8-ohm) amplifier
<b>5806</b>	100-watt low-impedance "slave" amplifier (must be used with 5805A)
<b>5807A</b>	100-watt high-impedance (70.7-V) amplifier
<b>5808</b>	100-watt high-impedance "slave" amplifier (must be used with 5807A)
<b>5825</b>	Dual 50-watt low-impedance amplifier
<b>5902</b>	Custom module for user-configuration circuits
<b>5934</b>	Four-room combiner

### ACCESSORIES:

<b>52LF1</b>	Low-frequency equalization submodule for Thiele-tuned bass enclosures; plugs into 5202, 5301 or 5303
<b>52HF1</b>	High-frequency equalization submodule for compression drivers on constant-directivity horns; plugs into 5202, 5301 or 5303
<b>53X12</b>	12-dB-per-octave, two-way-crossover submodule; plugs into 5301 or 5303
<b>53X18</b>	18-dB-per-octave, two-way-crossover submodule; plugs into 5301 or 5303
<b>53X18HF</b>	18-dB-per-octave, two-way-crossover submodule with high-frequency equalization; plugs into 5301 or 5303

## EV Modular Electronics

The 5000 modular system offers an alternative to conventional sound system design, installation and use. Because of its compact modular design and several levels of security, the 5000 system can be installed in places where conventional systems are simply not appropriate. A wide variety of signal-processing and amplifier modules will fit the requirements of even the most complex systems.

- Up to 54 channels of stereo mixing
- Up to 1 kilowatt of amplifier power
- Any combination of the above with the necessary signal processing
- Automatic module interconnection—no cables to make or install—eliminates ground-loop problems
- Designed for versatility, easy service and maintenance
- Less rack space required
- Multiple mainframes easily linked for larger systems



## Pro Plus Systems

- R33 Miniature portable, battery-powered nondiversity receiver
- R42 True (space) diversity receiver
- 66B Portable, battery-powered nondiversity receiver
- 67B Portable, true (space) diversity receiver
- 77/DII Bodypack transmitter
- T-88 Handheld transmitter with Electro-Voice N/DYM® 757 mic element

## Pro 2 True Diversity Systems

- R32 True (space) diversity receiver
- T-37 Bodypack
- T-36 Handheld transmitter with Electro-Voice BK-1 condenser mic element
- T-38 Handheld transmitter with Electro-Voice N/DYM® 457 mic element

## Pro 1 Nondiversity Systems

- R31 Nondiversity receiver
- T-37 Bodypack
- T-36 Handheld transmitter with Electro-Voice BK-1 condenser mic element
- T-38 Handheld transmitter with Electro-Voice N/DYM® 457 mic element

## Reporter Portable Systems

- R-26 Portable receiver
- T-23 Bodypack
- T-24 Handheld transmitter with Vega K4 mic element

## Traveler Portable Systems

- 66B Portable, battery-powered nondiversity receiver
- 67B Portable, battery-powered true (space) diversity receiver
- T-37 Bodypack
- T-36 Handheld transmitter with Electro-Voice BK-1 condenser mic element
- T-38 Handheld transmitter with Electro-Voice N/DYM® 457 mic element

## Ranger 2 True Diversity Systems

- R-98 True (space) diversity receiver
- T-93 Bodypack transmitter
- T-94 Handheld transmitter with Vega K4 mic element
- T-99 Handheld transmitter with Electro-Voice N/DYM® 757 mic element

## Ranger 1 Nondiversity Systems

- R-97 Nondiversity receiver
- T-93 Bodypack transmitter
- T-94 Handheld transmitter with Vega K4 mic element
- T-99 Handheld transmitter with Electro-Voice N/DYM® 747 mic element

## Vecta Systems

- VR-1 Nondiversity receiver
- VT-1 Bodypack transmitter

## "Q" Plus Full-Duplex Wireless Intercom Systems

- QX-6 Full-duplex master station
- QTR-1 Full-duplex beltpack

## Vega Wireless Systems

Vega wireless microphone systems are the leaders in wireless technology. This exciting line of products offers systems for a variety of wireless applications and performance needs.

- Wide selection of transmitters and receivers
- Lavalier and hand-held microphone elements
- Use standard 9-volt battery
- Superior audio and wireless performance
- Durable, reliable



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. Also consult the appropriate EVM data sheet for a complete description of power testing.

#### **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); and/or Electro-Voice West, 8234 Doe Avenue, P.O. Box 3297, 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.

© beim Hersteller  
Archiv Michael Otto  
HiFi-Classic.de



**Electro-Voice®** a MARK IV company

600 Cecil Street, Buchanan, Michigan 49107, Phone (616)695-6831, TWX: 810-270-3135

8234 Doe Avenue, Visalia, California 93291, Phone (209)651-7777, TLX 172 119

Mark IV Audio Canada, Inc., 345 Herbert St., Gananoque, Ontario, Canada K7G 2V1, Phone (613)382-2141, FAX (613)382-7466

Electro-Voice, S.A., Keltenstrasse 5, CH-2563 IPSACH, Switzerland, Phone (41)32-51-12-21, TLX 845 934 045, FAX (011)61/254 21298

Electro-Voice, Ltd., 2-5-60 Izumi, Suginami-ku, Tokyo, Japan 168, Phone (81)3-325-7900, TLX 781 232 2494, FAX (011)81/3-325-7878

Electro-Voice Germany, Larchenstrasse 99, 6230 Frankfurt/Main 80, Germany, Phone (49)69-380-100, TLX 841 413 847, FAX (011)49-69-386-959

Electro-Voice Pty, Ltd., Unit 24, Block C, Slough Business Park, Slough Ave., Silverwater, N.S.W. 2141, Australia, Phone (61)2-648-3455, FAX 2-648-5585