

EVU Series

Acoustic Performance

EVU

EVU Ultracompact



Ultracompact systems that support and complement the other members of the EV Innovation family—for delay systems, under-balcony applications, front-fill applications, wall-mount applications and distributed audio systems.

The EV-Innovation (EV-I) family of loudspeakers sees Electro-Voice redefine the state-of-the-art in installed sound once again.

EV-I is the result of the largest development program in the history of Electro-Voice. Building upon an 80-year heritage of audio design excellence proven in thousands of installations around the world, EV-I systems offer an unprecedented combination of audio performance, versatility, ease of use, and aesthetics focused directly on the requirements of installed sound systems.

At the heart of the EV-I family are brand-new and highly refined transducers, designed by EV engineers—the most knowledgeable and passionate in the industry—using the very latest developmental and diagnostic tools exclusive to Electro-Voice R&D. EV-I currently comprises four system formats: horn-load (EVH), front-load (EVF), true line array (EVA), and ultracompact (EVU). Manufactured to the highest standards in EV factories, EV-I systems collectively represent the most comprehensive family of loudspeakers the industry has ever seen.

EVU-Ultracompact

- 6.5- and 8-inch woofers allow ultracompact enclosures
- Delay systems
- Under-balcony applications
- Front-fill applications
- Wall-mount applications
- Distributed audio systems
- Asymmetrical enclosure shape provides an appropriate vertical aiming angle for both under-balcony and stage-lip applications
- Sophisticated, 18-dB-octave passive crossover/EQ networks
- Supplied U-bracket
- Rear mounting points accept OmniMount brackets
- Available in black or white in EVCoat™ (interior use)

EVU Constant-Directivity Waveguides

Electro-Voice developed the first “constant directivity” waveguides in the 1970s, which, unlike conventional devices of the day, maintained their rated coverage angles over a wide frequency range. EV constant directivity meant that anyone seated in the waveguide’s pattern received the same frequency balance as anyone else, a great boon in providing truly uniform coverage and sound quality across a venue.

Today’s EVU waveguide incorporates the design refinements of over 30 years’ development. Its square mouth makes the EVU 90° x 50° coverage pattern rotatable, so enclosure orientation is independent of the desired horizontal coverage pattern. The six-inch overall mouth size is a good physical and directivity match to the EVU’s 6.5- and 8-inch woofers.

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All four EVU systems employ an ICT-1-8 small-format high-frequency compression driver with a 1.3-inch titanium diaphragm, mounted on a six-inch-square, 90° x 50° rotatable waveguide. The systems are shipped to provide a 90° horizontal coverage angle when the long enclosure axis is horizontal.



EVU-1062/95:
single ICT-6.5-8
6.5-inch woofer



EVU-2062/95:
dual ICT-6.5-8
6.5-inch woofers



EVU-1082/95:
single ICT-8-1
8-inch woofer



EVU-2082/95:
dual ICT-8-1
8-inch woofers

The single-woofer EVU-1062/95 offers the most compact enclosure, just over 8 inches high and 14 inches wide. Yet system power-handling capacity and sensitivity are quite high for the size: 160 W continuous and 92 dB 1 W/1 m, respectively. The EVU-2062/95 dual-woofer system is wider (21 inches), with increased power handling (300 W) and sensitivity (94 dB), for a substantial increase in maximum output: 5 dB more maximum output.

For a modest increase in enclosure dimensions, about 10 inches high and 16 inches wide, the single-woofer EVU-1082/95 offers twice the maximum output than its 6.5-inch counterpart (+3 dB). The dual-woofer EVU-2082/95 doubles the maximum output again.

Sophisticated, 18-dB-octave passive crossover/EQ networks are tuned for under-balcony/front-fill applications, optimizing mid- and high-frequency performance for ideal alignment to the main system.

	EVU-1062/95	EVU-2062/95	EVU-1082/95	EVU-2082/95
Frequency Response (-3 dB):	110-16,000 Hz ¹	100-16,000 Hz ¹	110-16,000 Hz ¹	100-16,000 Hz ¹
Frequency Response (-10 dB):	65-20,000 Hz ¹	70-20,000 Hz ¹	65-20,000 Hz ¹	60-20,000 Hz ¹
Recommended High-Pass Frequency:	90 Hz	90 Hz	90 Hz	90 Hz
Axial Sensitivity (1 W/1 m):	92 dB	94 dB	95 dB	95 dB
Maximum SPL (continuous/peak, calculated):	114/120 dB	119/125 dB	117/123 dB	120/126 dB
Waveguide:	6 in. x 6 in., rotatable			
Horizontal Coverage:	90°	90°	90°	90°
Vertical Coverage:	50°	50°	50°	50°
Power Handling (continuous/peak):	160/640 W ²	300/1,200 W ²	175/700 W ²	350/1,400 W ²
LF Transducer:	One ICT-6.5-8 165-mm (6.5 in.) woofer	Two ICT-6.5-8 165-mm (6.5 in.) woofers	One ICT-8-8 203-mm (8 in.) woofer	Two ICT-8-8 203-mm (8 in.) woofers
HF Transducer:	One ICT-1-8 compression driver with 33-mm (1.3 in.) diaphragm	One ICT-1-8 compression driver with 33-mm (1.3 in.) diaphragm	One ICT-1-8 compression driver with 33-mm (1.3 in.) diaphragm	One ICT-1-8 compression driver with 33-mm (1.3 in.) diaphragm
Nominal Impedance:	8 ohms	8 ohms	8 ohms	8 ohms
Minimum Impedance:	6 ohms	6 ohms	6 ohms	6 ohms
Connectors:	4-pin Phoenix/Euroblock screw terminals accepting up to 10-gauge wire (AWG)	4-pin Phoenix/Euroblock screw terminals accepting up to 10-gauge wire (AWG)	4-pin Phoenix/Euroblock screw terminals accepting up to 10-gauge wire (AWG)	4-pin Phoenix/Euroblock screw terminals accepting up to 10-gauge wire (AWG)
Enclosure Material:	9-ply hardwood plywood	9-ply hardwood plywood	9-ply hardwood plywood	9-ply hardwood plywood
Enclosure Finish:	EVCoat™ textured paint	EVCoat™ textured paint	EVCoat™ textured paint	EVCoat™ textured paint
Color:	Black or white	Black or white	Black or white	Black or white
Grille, Standard Versions:	18-gauge steel with cloth behind			
Suspension	Six M8 threaded points			
Dimensions (hwd):	209 mm x 370 mm x 207 mm (8.21 in. x 14.6 in. x 8.14 in.)	209 mm x 533 mm x 207 mm (8.21 in. x 21.0 in. x 8.14 in.)	247 mm x 409 mm x 237 mm (9.73 in. x 16.1 in. x 9.34 in.)	247 mm x 615 mm x 237 mm (9.73 in. x 24.2 in. x 9.34 in.)
Net Weight:	6.53 kg (14.4 lb)	11.3 kg (25.0 lb)	7.40 kg (16.3 lb)	12.8 kg (28.3 lb)
Shipping Weight:	9.12 kg (20.1 lb)	14.2 kg (31.2 lb)	10.3 kg (22.6 lb)	16.0 kg (35.2 lb)

¹ Half-space measurement.

² EIA RS-426A (eight hours).



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