

**EV** Electro-Voice

**EVU**  
EV-Innovation



# EV-Innovation

## EV-Innovation

EV-Innovation – A New Era for Installed Sound

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 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.

### 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 (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.

### EVU Series Acoustic Performance

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**

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.



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

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



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

For the dual-woofer systems, one woofer is "shaded" (high-frequency response rolled off before the crossover frequency) in order to usefully reduce the inevitable midrange interference of spaced woofers.

## EVU Series

### Mechanical Aspects and Rigging

Each EVU loudspeaker has six M8 threaded suspension points. One point on each end is used with the supplied U-bracket. The bracket allows full, unobstructed rotation of the system (330° if the optional EVU-TK60 70.7/100-V transformer kit is installed).

Four points located on the back of each system accept OmniMount 30.0 series brackets (single-woofer systems) and 60.0 series brackets (dual-woofer systems). The OmniMount brackets offer very flexible vertical tilt and horizontal pan around a single point at the rear of the loudspeaker.



EVU1062



EVU2082



### Input Panel

Rear-mounted input panels are equipped with a four-pin Phoenix Euroblock screw-terminal connector, which accepts up to 10-gauge wire (AWG) and allows convenient daisy chaining of multiple systems.

### Optional Accessories

The input panel accepts the optional EVU-TK60 60-W 70.7/100-V input transformer, with taps at 60, 30, 15, and 7.5 W (70.7 V), 60, 30, and 15 W (100 V), and an 8-ohm pass through. The input panel also accepts the optional EVU-CDNL4 cover, equipped with dual Neutrik Speakon® NL4 chassis connectors for quick-disconnect applications such as front fill.



EVU-TK60



EVU-CDNL4

	EVU-1062/95	EVU-2062/95	EVU-1082/95	EVU-2082/95
<b>Frequency Response (-3 dB):</b>	110-16,000 Hz <sup>1</sup>	100-16,000 Hz <sup>1</sup>	110-16,000 Hz <sup>1</sup>	100-16,000 Hz <sup>1</sup>
<b>Frequency Response (-10 dB):</b>	65-20,000 Hz <sup>1</sup>	70-20,000 Hz <sup>1</sup>	65-20,000 Hz <sup>1</sup>	60-20,000 Hz <sup>1</sup>
<b>Recommended High-Pass Frequency:</b>	90 Hz	90 Hz	90 Hz	90 Hz
<b>Axial Sensitivity (1 W/1 m):</b>	92 dB	94 dB	95 dB	95 dB
<b>Maximum SPL (continuous/peak, calculated):</b>	114/120 dB	119/125 dB	117/123 dB	120/126 dB
<b>Waveguide:</b>	6 in. x 6 in., rotatable			
<b>Horizontal Coverage:</b>	90°	90°	90°	90°
<b>Vertical Coverage:</b>	50°	50°	50°	50°
<b>Power Handling (continuous/peak):</b>	160/640 W <sup>2</sup>	300/1,200 W <sup>2</sup>	175/700 W <sup>2</sup>	350/1,400 W <sup>2</sup>
<b>LF Transducer:</b>	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
<b>HF Transducer:</b>	One ICT-1-8 compression driver with 33-mm (1.3 in.) diaphragm			
<b>Nominal Impedance:</b>	8 ohms	8 ohms	8 ohms	8 ohms
<b>Minimum Impedance:</b>	6 ohms	6 ohms	6 ohms	6 ohms
<b>Connectors:</b>	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)
<b>Enclosure Material:</b>	9-ply hardwood plywood	9-ply hardwood plywood	9-ply hardwood plywood	9-ply hardwood plywood
<b>Enclosure Finish:</b>	Textured paint	Textured paint	Textured paint	Textured paint
<b>Color:</b>	Black or white	Black or white	Black or white	Black or white
<b>Grille, Standard Versions:</b>	18-gauge steel with cloth behind			
<b>Suspension</b>	Six M8 threaded points			
<b>Dimensions (hwd):</b>	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.)
<b>Net Weight:</b>	6.53 kg (14.4 lb)	11.3 kg (25.0 lb)	7.40 kg (16.3 lb)	12.8 kg (28.3 lb)
<b>Shipping Weight:</b>	9.12 kg (20.1 lb)	14.2 kg (31.2 lb)	10.3 kg (22.6 lb)	16.0 kg (35.2 lb)

<sup>1</sup> Half-space measurement.

<sup>2</sup> EIA RS-426A (eight hours).

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