

ZX1i

Indoor/Outdoor Surface Mount Speaker System



Compact | High Performance | Versatile



High Performance System Components With True Compression High Frequency Driver

The ZX1i's long excursion, high output EV8L 8" woofer with a weatherized treated cone delivers smooth low frequency performance with exceptional reliability. A sophisticated crossover network integrates it with the DH2005, a 1 1/4 - inch voice coil true compression driver with extended frequency response. The system also features full overload protection for reliable, long term operation.

- 1 EV8L high performance weatherized 8" woofer
- 2 DH2005 1" true compression driver
- 3 Rotatable waveguide allows for speaker orientation in either direction
- 4 Weatherized multi layer grille gives protection indoors or out
- 5 Low loss crossover network for high efficiency
- 6 Full system overload protection circuitry ensures reliable operation
- 7 Easy to access "keyed" adjustment points for horizontal and vertical settings
- 8 "Click n' Mount" QuickSAM™ mounting system provides wide range of motion for flexibility in placement
- 9 One piece lightweight enclosure is extremely durable
- 10 High capacity 100w transformer with ASC™ eliminates distortion and saturation at high volume levels



- 11 4 pin detachable Phoenix-style connector provides pass thru terminals for easy system wiring
- 12 Easy to access wattage tap selector switch on "t" models provides a wide range of power settings



The ElectroVoice **ZX1** family of speaker systems is truly an industry first. Never before has a single speaker design been so closely customized to a wide range of audio applications. Consisting of 8 distinct versions, a **ZX1** model is available to fit the need whether it's part of a portable PA for a local band or a large distributed sound system for a major audio installation.



The Exclusive QuickSAM™ Mounting System is Fast & Secure

The QuickSAM™ is a unique, integrated mounting bracket which is virtually foolproof. It allows the installer to simply "click" and snap the speaker onto the bracket then tighten it to the desired position.

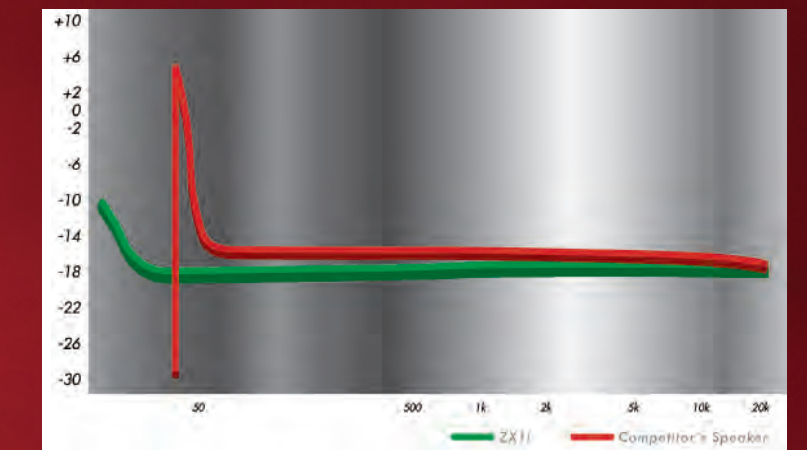


The ZX1i Waveguide Rotates For Flexible Speaker Orientation

The true compression DH2005 Driver is coupled to one of two available horns. The 90° x 50° horn provides coverage for longer throw and cluster applications while the 100° x 100° horn gives broad even dispersion needed in many distributed audio applications. An important added benefit is the rotatable horn design allowing the **ZX1i** cabinet to be oriented either horizontally or vertically for the ultimate in design flexibility.

ASC™ – Automatic Saturation Compensation Protects Your Amplifier

A real problem with many high power 70/100v equipped speakers is their susceptibility to transformer saturation, especially at low frequencies. All "i" versions of the ZX1i loudspeaker incorporate our exclusive "ASC™" Automatic Saturation Compensation to address this problem. ASC™ is a unique circuit to adjust the characteristics of the transformer that the amplifier sees to create a "stable" load even at very high power levels. This feature virtually eliminates the possibility of the amplifier going into protect mode or worse yet even damaging the amplifier.



The curve above shows the power draw of a conventional speaker and the **ZX1i** over the frequency spectrum. As you can see, the **ZX1i** provides a far more stable and gradual power curve to the amplifier even at the lowest frequencies. No "spikes" means no failed amplifiers!

The ZX1i Works Great: Indoors or Out

The Electro-Voice® **ZX1i** features a lightweight, sealed enclosure that is inherently water resistant. The addition of a multilayer grille and weatherized components enable the **ZX1i** to perform under many environmental conditions. An optional weatherized input panel cover with a gland nut is available for additional protection.



The Complete ZX1 Family

The **ZX1i** is part of a complete compact speaker system product line with models for fixed installations distributed systems, portable PA and even musician vocal monitors. Each model incorporates a wide range of features to make the system attractive to every user.

The ZX1 line of speakers can be summed up in two words: Compact Flexibility

Delivering on this promise for fixed audio installations, the **ZX1i** model is the new standard of no compromise audio performance and versatility in an easy to install, lightweight and compact package. Finally, a compact high performance loudspeaker system designed exclusively for the professional contractor to use in dozens of different fixed installations. It doesn't matter if your requirements are providing a compact sound reinforcement system in a church, a complex background music system in a sports bar or other high-energy environment or fill sound in a large auditorium, the **ZX1i** can solve the problem.

Flexibility

- Choice of two available coverage patterns with horn rotation feature
- All "i" versions have an 8 ohm bypass position to allow low impedance operation

Performance

- True compression HF driver and 8" long throw woofer provide smooth and wide frequency response

Design

- Attractive ZX series family styling blends smoothly with EV EVID series speaker systems

Fast & Secure Installation

- The EV exclusive QuickSAM mount system enables a more secure, faster installation experience
- 4 pin Phoenix style connector with pass through terminals for quick and simple connections

ZX1i

	ZX1-90 Portable Version	ZX1i-90 Fixed Install Version	ZX1i-100 Fixed Install Version	ZX1i-100r 70v/100v Version
Frequency Response⁽¹⁾ (-3 dB)	60 Hz - 20 kHz	60 Hz - 20 kHz	60 Hz - 20 kHz	60 Hz - 20 kHz
Frequency Range⁽¹⁾ (-10 dB)	48 Hz - 20 kHz	48 Hz - 20 kHz	48 Hz - 20 kHz	48 Hz - 20 kHz
Axial Sensitivity⁽¹⁾	94 dB (1W/1m)	94 dB (1W/1m)	92 dB (1W/1m)	92 dB (1W/1m)
Maximum Calculated SPL	123 dB	123 dB	121 dB	121 dB
Horizontal Coverage	90° or 50°	90° or 50°	100°	100°
Vertical Coverage	50° or 90°	50° or 90°	100°	100°
System Power Handling	200W Continuous, 400W Program	200W Continuous, 400W Program	200W Continuous, 400W Program	200W Continuous, 400W Program
LF Transducer	EV8L, 8 in (203mm) Driver	EV8L, 8 in (203mm) Driver	EV8L, 8 in (203mm) Driver	EV8L, 8 in (203mm) Driver
HF Transducer	DH2005, 1 in. (25.4mm) Exit Compression Driver	DH2005, 1 in. (25.4mm) Exit Compression Driver	DH2005, 1 in. (25.4mm) Exit Compression Driver	DH2005, 1 in. (25.4mm) Exit Compression Driver
Nominal Impedance	8 Ohms	8 Ohms	8 Ohms	8 Ohms
Pole Mount	Included	N/A	N/A	N/A
Transformer Taps	N/A	N/A	N/A	6.5, 12.5, 25, 50, 100 watts 70/100v
Connectors	Two NLA Connectors	4-Pin detachable Phoenix style	4-Pin detachable Phoenix style	4-Pin detachable Phoenix style
Overload Protection	Full protection – all modes	Full protection – all modes	Full protection – all modes	Full protection – all modes
Mounting System	Four M8 studs on bottom of speaker	QuickSAM™ Heavy-Duty Strong-Arm Mounting Bracket	QuickSAM™ Heavy-Duty Strong-Arm Mounting Bracket	QuickSAM™ Heavy-Duty Strong-Arm Mounting Bracket
Built-In Monitor Angle	Yes	No	No	No
Available Colors	Black	Black/White	Black/White	Black/White
Included Accessories	None	QuickSAM™ Mount	QuickSAM™ Mount	QuickSAM™ Mount
Dimensions (H x W x D)	17.75" x 11.12" x 10.35" 451mm x 282mm x 263mm	17.75" x 11.12" x 10.35" 451mm x 282mm x 263mm	17.75" x 11.12" x 10.35" 451mm x 282mm x 263mm	17.75" x 11.12" x 10.35" 451mm x 282mm x 263mm
Net Weight	8.4 kg (18.5 lbs)	8.4 kg (18.5 lbs)	8.4 kg (18.5 lbs)	10.4 kg (23.0 lbs)
Shipping Weight	10.2 kg (22.5 lbs)	10.2 kg (22.5 lbs)	10.2 kg (22.5 lbs)	12.3 kg (27.0 lbs)

(1) Half-space measurements

Available Accessories

TC-ZX1— The TC-ZX1 terminal cover with gland nut attaches to the rear input panel and seals the rear connectors against moisture and contamination.

AB-ZX1— The AB-ZX array bracket system provides a flexible array mounting solution for 2 or 4 ZX1i speaker systems.

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