

Appropriate Use of Power

By Jake Feldman

This combo from E-V helps you provide potent but tailored sound

For many shows, disc jockeys have to decide what “over kill” and “under kill” are.

At a 250-person wedding, a line array is definitely overkill. For the 2,500-person prom, a pair of self-powered 450-watt speakers is unquestionably underkill. For most jocks, it is not that they want to commit such an obvious audio atrocity, it is that they are limited by their wallet and schedule as to what they may purchase and use for their event.

Solid Stack of Sound

Electro-Voice speakers are known for their smooth sound, sleek looks, and marketplace sensibility. Two of their products, the ZX1 High Performance Compact Loudspeaker and the SB122 Sx/Sb Series Speaker System fit together seamlessly to offer you the ability to pull off those “small” shows without blasting Grandma out of the room, or leaving your guests wondering why the DJ showed up with what sounded like a home stereo unit.

On the audio low end, the SB122 packs just the right “tight” punch you have been looking for, without the back strain. At a shockingly light 33 lbs, this little workhorse puts out 400 watts continuous, with a program handling output of 800W and a peak of 1600W. While rubber footings provide piece of mind in a sturdy base, the SB122 may also be flown if desired, with optional hardware available from EV.

Also flyable and easy to transport, the ZX1 brings out the highs and mids with a nice, crisp

200 watts (continuous). With a 90° by 50° coverage pattern, you rest assured that your outer guests will hear the ever important announcements emitting from within. The ZX1 also acts as a great floor monitor for small bands, speaking engagements, and churches.

Getting Amped Up

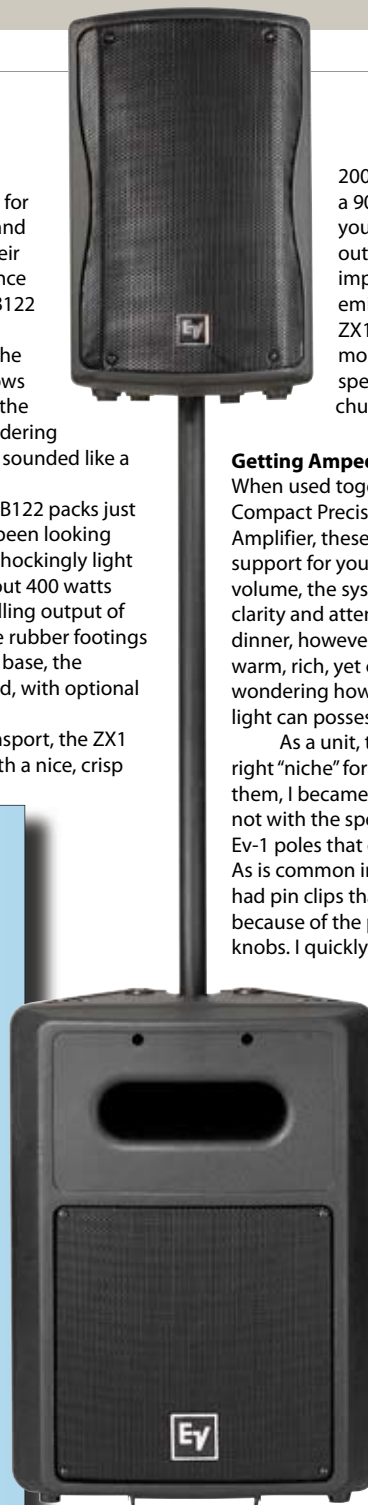
When used together with EV’s CP2200 Compact Precision Series Class H Power Amplifier, these speakers offer great support for your small events. At a low volume, the system presents a great clarity and attention to the music. After dinner, however, these speakers provide a warm, rich, yet crisp sound that leaves one wondering how a system so compact and light can possess such a bite.

As a unit, these speakers fit into the right “niche” for small events. As I tested them, I became aware of a slight problem not with the speakers, but with the Asp Ev-1 poles that come with this system. As is common in similar setups, the poles had pin clips that I was not using correctly, because of the presence of tightening knobs. I quickly learned that such a mistake

would create a vibration of the pin, which can be annoying. After the misuse was corrected and the pin was placed correctly, the problem was solved.

I brought these speakers out to numerous events, most notably a wedding at a church gymnasium that was being used as a reception site. Usually, in a gymnasium, most of the high end is transported away from your audience and into the ceiling, creating a headache for guests and for the DJ. With this system, I was able

to convey every important word of the Couple of Honor’s special day, and was complemented about how well the system worked in such an acoustical nightmare—over kill or under kill. ■



SPECS

ZX1 HIGH PERFORMANCE COMPACT LOUDSPEAKER

Frequency Response (-3dB)	60Hz-20kHz
Frequency Response (-10dB)	48Hz-20kHz
Sensitivity 1W/1m	94 dB
Max. SPL / 1m (calc); full space	123 dB
Coverage (nominal -6dB) H°	90 °
Coverage (nominal -6dB) V°	50 °
Rotatable Horn	Yes
System Power Handling (cont/prog/peak)	200/400/800W
Nominal Impedance (Passive)	8 Ohms
Input Connections	Parallel Neutrik® NL4
Weight Net	18.52 lbs
Dimensions (HxWxD)	17.76" x 11.1" x 10.35"

Sb122 SX/SB SERIES SPEAKER SYSTEM

Sensitivity 1W/1m	99 dB
Max. SPL / 1m (calc); full space	131 dB
System Power Handling (cont/prog/peak)	400/800/1600W
LF Transducer	EVS12SB
Flying	Optional
Input Connections	Parallel Neutrik® NL4
Internal Crossover	Yes
Weight Net	33.07 lbs
Dimensions (HxWxD)	23.07" x 16.89" x 12.28"

CP2200 COMPACT PRECISION SERIES CLASS H POWER AMP

Continuous rated power (1k Hz, THD 1%) 2Ω	1100 Watts
Continuous rated power (1k Hz, THD 1%) 4Ω	800 Watts
Continuous rated power (1k Hz, THD 1%) 8Ω	500 Watts
Maximum bridged output 4Ω	2200 Watts
Maximum bridged output 8Ω	1600 Watts
Total harmonic distortion	< 0.05 %
Weight Net	16 kg (35.27 lbs)
Dimensions (HxWxD)	3.47" x 19.02" x 14.52"

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