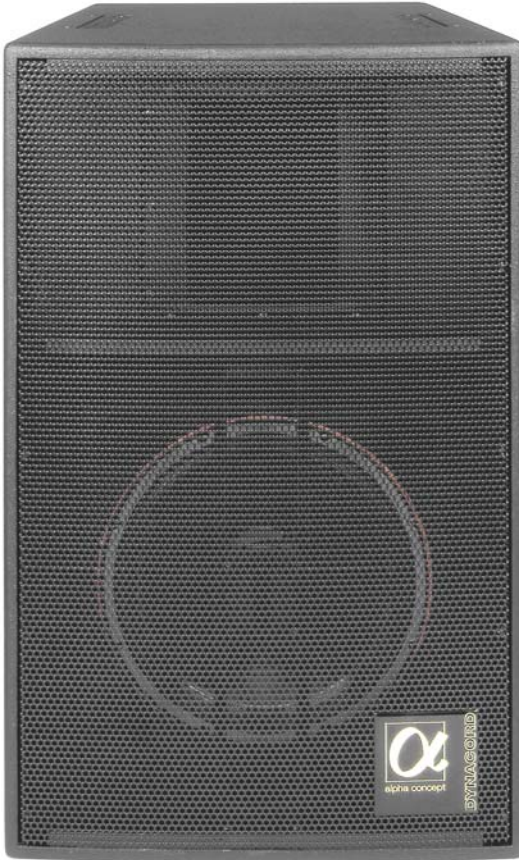


DYNACORD® ALPHA CONCEPT™ SYSTEM INSTALLED AT TORONTO CLUB



Toronto (May 2004): Boa Redux (www.boa-redux.com) is THE dance club in Toronto, a 15,000 square-foot shrine to sound that has reinforced its city's status on the international club scene. The sonic powerhouse driving Boa's reputation is the Dynacord® alpha concept™ club system, the first of its kind to be fully integrated in North America.

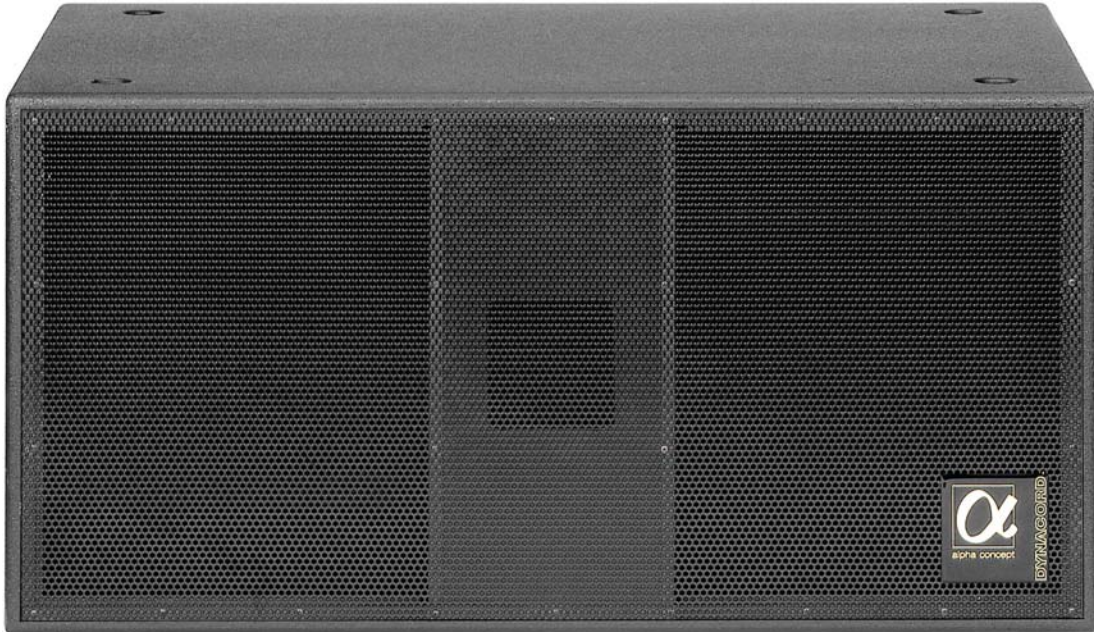
Serious attention to detail was paid to surpassing the expectations of the sophisticated Toronto club community, who can take their pick of numerous world-class nightspots, and the buzz around Boa's sound system prior to opening night proved more than justified. Indeed, after an inaugural set at Boa at the end of December 2003, legendary British DJ Paul Oakenfold was reportedly heard to comment "this was the first time I could hear the difference between vinyl and CD on a system this big!"

Above: alpha concept X-1 horn-loaded three-way loudspeaker

Boa is located inside a former movie theater, spectacularly converted with no expense spared to create a club environment unlike anything else out there. The same approach went for the sound system -- the space and the sound are both larger than life.

Peter Lima of Sound Dymax, Toronto's premier system designers and installers, described why alpha is set to dominate the world of high-performance club sound: "For anyone interested in unbiased feedback regarding the alpha system, I'd suggest checking out the club community webforums -- Boa is unanimously considered to be the best club in Canada, and the alpha system is certainly integral to that prestige. The club is in a really interesting space -- a converted theater that has been precisely remodelled to excel as a club venue. The slope inside the main auditorium was converted into stepped levels in 20-foot increments, using a computer designed, highly dense concrete floor. Sound absorption treatment is built into the floor and its surface, and all the walls are double hung and don't touch the floor. So, though this was a potentially challenging environment in which to install a serious

sound system, every effort was made to add acoustic control to aesthetic value, from room materials to choice of PA.”



Above: alpha concept B-3 2x18” subwoofer

Lima continued: “In terms of sound pressure level? There is more power here than most people have ever experienced. We hit 130 dB at the beginning, and then lowered it to a regular 115 dB. Having that headroom for bursts is great though, to kick it up when things really heat up. The ground-stacked speakers are 42 feet square, creating a massive amount of air pressure. In this sense the alpha system adds to the physical, as well as sonic, club experience, and the compression issues usually associated with this degree of air movement – distorted perception of highs amidst the high-velocity envelope of lows being a chief concern – are under control with the alpha concept, which is custom-fitted to the space.

alpha concept at Boa Redux:

(16) alpha B-3 2x18 Subs, (8) X-1 horn-loaded 3-way, (14) L2400 Amps, (5) L1600 Amps, (5) L1200 Amps, and (6) Dx38 signal processors.

Lima added: “Using a SMAART® analysis, we tried a couple of configurations with the X-1 tops: flat on the subs, and then with a downward tilt. The boxes are all stacked. The floor is multi-levelled, and we found the downward tilt deactivated the room in terms of high reflection. In fact, the reflections worked really well in this room – it’s not a live room, so we put the X-1 boxes flat on the subs again. I really like the how it sounds this way – as opposed to killing the

reflection in a room that was already pretty dead, we flattened it, turning the room's material characteristics to our advantage.”

“The floor is multi-tiered, so two of the subs/speakers are on the stage, and the two at the back of the room are multi-levelled up to almost the same height – the dance floor is sunken at many levels. When we aimed the boxes with a downward tilt it gave more sound quality to the floor but not the rest of the room. Putting them flat again increased the arrayed efficiency of the horns, especially with the highs, balancing things out from the dancefloor. To have this kind of versatility and control with a system this powerful makes a lot of difference.”

The alpha concept Philosophy

alpha concept by Dynacord is synonymous with high-end audio in clubs and discotheques. alpha concept stands for superior performance and reliability. Installations using alpha concept represent a reference point for the industry by which all others are measured. An alpha project stands out from the rest. alpha projects are professional audio installations at the highest level. alpha concept marks the standard for outstanding sound reinforcement in discotheques.

With the loudspeaker cabinets alpha X-1 and alpha B-2, alpha concept became the reference for the best sound in major clubs. Numerous well-known clubs and discotheques have successfully used alpha concept systems for years in Europe and around the world. Only now is alpha available in the U.S. Their outstanding reliability, enormous output power capacity and their truly breathtaking sound have set a new standard for club and discotheque applications.

The alpha X-1 system is a horn-loaded, active 3-way loudspeaker system. The bass-reflex tuning of two 15-inch drivers, coupled with a Constant Directivity™ horn, provides extremely precise and punchy reproduction of the Lo-Mid frequencies down to 80 Hz.

In the range of 800 Hz to 8 kHz, the truly dynamic and clear reproduction of Mid-Hi frequencies is handled by a 2-inch high-performance drive unit with a True Constant Directivity horn (90-degrees x 40-degrees or 60-degrees x 40-degrees). The brilliant Hi-frequency reproduction is provided by two diffraction or ring radiators (90-degrees or 60-degrees model, respectively). The alpha X-1's trapezoidal shaped cabinet allows convenient arraying of several systems.

The alpha B-3 system incorporates 2 x 18-inch PWH – Planar Waveguide™ technology (patented) subwoofers. The patent specification defines “PWH” as Planar Waveguide with a Helmholtz resonator, placed inside the waveguide. The 6 to 7 dB gain in the SPL of low-frequencies results from the

News Release

Pro Audio Group
EV • Telex • Midas • Klark Teknik
Dynacord • RTS • University Sound

relation between the resonance of the waveguide and that of the Helmholtz resonator. The PWH subwoofer's construction additionally limits the cone's excursion, guaranteeing truly faithful impulse reproduction, excellent dynamic capabilities, very low distortion, and continuous reliable operation. alpha B-3 systems provide extraordinary directivity in the low-frequency range down to 35 Hz, combining the advantages of direct-radiating and horn-loaded system principles. The unique PWH-design makes the B-3 system superior to any conventional subwoofer design.

For full details on all Dynacord products, please visit www.dynacord.com

Dynacord® is a professional audio brand of Telex Communications, Inc., a leader in the design, manufacture and marketing of sophisticated audio, wireless, multimedia, aircraft, broadcast and communications equipment for commercial, professional and industrial customers. Telex Communications markets its products in more than 80 countries under the brands EV®, Telex®, RTS™, Dynacord®, Midas®, Klark Teknik®, University® and others.

James Edlund
Public Relations Manager
Telex Communications, Inc.
12000 Portland Ave. South
Burnsville, MN 55337
Phone: 952-736-3901
Fax: 952-736-4582
James.Edlund@telex.com

Guy Low
Public Relations Coordinator
Telex Communications, Inc.
12000 Portland Ave. South
Burnsville, MN 55337
Phone: 952-736-3935
Fax: 952-736-4582
Guy.Low@telex.com

###