

Yorkville Sound

Product Data Sheet

élite éXcursion2000 Complete PA System Solution

The élite éXcursion2000 system is the ideal marriage of Yorkville Sound's loudspeaker design experience and their innovative electronics and power amplifier engineering into one compact, complete and convenient PA system solution for live sound and DJ applications.



The concept behind the élite éXcursion2000 was to create a powerful and effective active stereo PA system solution centered around one 18-inch subwoofer and two 12-inch woofer / 1-inch horn satellite loudspeakers.

The center of the élite éXcursion2000 is a single active subwoofer that delivers 1200 continuous watts (1900 watts burst) that is loaded with the same powerful 18-inch driver used in the popular élite LS1208 subwoofer, the flagship of the élite passive subwoofer line.

Three separate power amplifiers are integrated into the electronic component of the active subwoofer that powers the entire system. An electronic crossover network ensures an acoustically

perfect transition between the subwoofer and the mid / high satellite speakers. Opto-limiter circuitry provides an unobtrusive and 'musical sounding' hard-knee compression that not only protects the speaker components, but ensures balanced and clear reproduction from the satellite cabinets.

The entire system can be connected to any mono or stereo mixer source through either XLR or 1/4-inch TRS balanced inputs. The satellite speakers are connected to the subwoofer with two 25-foot (8m) Speakon™ speaker cables that are included with the package. The system is powered by one AC line cord ensuring quick and convenient set-up and teardown, with a minimum of cabling and connectivity around the stage.

Great care was taken during the initial circuit design to ensure good common mode rejection (50Hz / 60Hz hum rejection) at the input so your PA system is as free from extraneous noise as possible while in use. Separate gain controls for subwoofer and for the left and right satellite cabinets are easily accessible from the back panel. Warning lights show the user when the system is limiting or clipping at the input.

Yorkville's proven high output class-D technology is used for the Subwoofer amplifier. This highly efficient technology ensures there is always enough power for the system even when AC input



voltages are limited. The mid / high frequency component of the élite éXcursion2000 is driven by a stereo 220-watt per side power amplifier. A reliable, efficient and effective three-tier amplifier design was chosen for the mid / high component of the éXcursion2000. The 12-inch and horn satellite loudspeakers are true élite quality in both component selection and design.



A 90(H) x 30(V) degree injection molded horn (1-inch throat with 1-inch mylar diaphragm) completes the high-end component of the system while a high quality single 12-inch driver handles the mid frequencies. True to the design philosophy behind Yorkville's élite loudspeaker line, all of the cabinets in the élite éXcursion2000 are made with solid 15mm 11-ply birch plywood, not MDF or wood composite construction.

The éXcursion2000 nests into one convenient package for transportation and storage. A detachable caster kit included with the system ensures easy and safe transport. Unlike competitive system solutions, the caster kit from the élite system does not remain attached to the subwoofer when the system is in use, eliminating caster buzz and rattle when performing with this system.

élite éXcursion2000 System Specifications

SATELLITE SPEAKERS

FREQUENCY RESPONSE	100Hz -18 000Hz
SENSITIVITY 1W/1M	95 dB
MAXIMUM SPL @ 1M	119 dB calculated
NOMINAL IMPEDANCE	4 ohm
LOW / MID DRIVER CONFIGURATION	12-inch driver w/ 2-inch voicecoil
HIGH FREQUENCY DRIVER	1-inch mylar 1-inch throat ABS custom waveguide
DIRECTIVITY (DEGREES H x V)	90 x 30
CROSSOVER FREQUENCY	2200Hz
ACTIVE PROTECTION CIRCUITRY	Clipping
HF PROTECTION (PASSIVE)	CTL™
CONTINUOUS POWER	2 x 220 Watts program
BURST POWER	2 x 260 Watts burst @ 1kHz
CONNECTOR	2 x ¼-inch / 1 speakon
POLE MOUNT COLLAR	1
DIMENSIONS (WxHxD IN /CM)	22.25 x 14.25 x 10.75 / 56.5 x 36.25 x 27.3
WEIGHT	33 lbs. / 14.9kg

SUBWOOFER

FREQUENCY RESPONSE	42-100 Hz
SENSITIVITY 1W/1M	99 dB
MAXIMUM SPL @ 1M	128 dB calculated
CONTINUOUS POWER	1200 Watts (Class D Technology)
BURST POWER	1900 Watts burst @ 60Hz
BASS WOOFER	1 x 18-inch w/ 4-inch voicecoil
DIMENSIONS (WxHxD IN /CM)	29.5 x 22 x 18.25 / 75 x 55.8 x 46.3
WEIGHT	112 lbs / 51 kg

ELECTRONICS

INPUTS	2 x XLR & 2 x ¼-inch TRS balanced / unbalanced line inputs 1 x ¼-inch TRS balanced subwoofer input
CONTROLS	Subwoofer level control / left and right satellite level controls / limiter and input clip indicators
SATELLITE POWER	High Efficiency 3-tier class A/B design
SUBWOOFER POWER	Class D Technology
ACTIVE PROTECTION CIRCUITRY	Excursion / Clipping / Thermal



Feature Overview

- Ideal PA system solution for audiences of up to 400 people.
- Voiced for recorded music playback as well as live sound reinforcement applications.
- XLR and 1/4-inch TRS balanced inputs connect easily to any mixer source.
- Active crossover network and integrated power amplification creates a seamless balance between subwoofer and stereo full range loudspeakers.
- System nests together for easy transportation and storage.
- Integrated bar handles and standmount adaptors.
- Solid plywood cabinet construction.
- Removable caster kit.



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