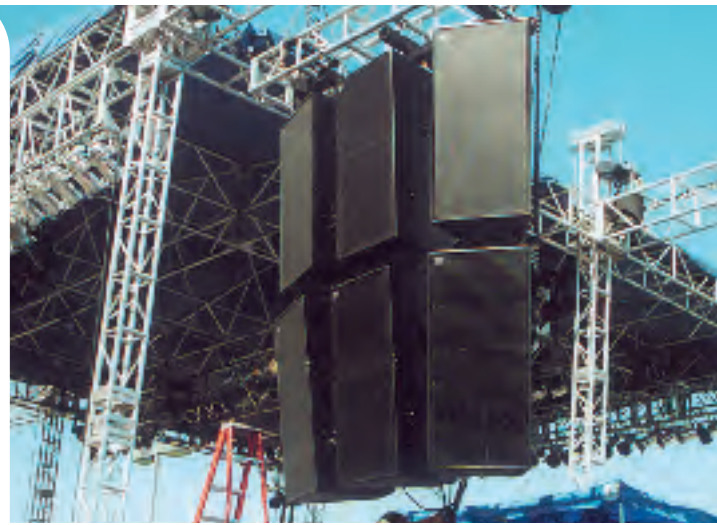




Yorkville Professional Audio Products

Volume ONE



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Yorkville Professional Audio Products

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The Unity™ Series Clearly Superior

The Unity™ Series loudspeakers are a radical design from Yorkville Sound that delivers ultra clear reproduction, extremely linear frequency response and incredibly low distortion in a high quality professional loudspeaker cabinet. The unprecedented clarity and linear frequency response through the high-mid band is achieved using the patented Unity™ horn technology, designed by Tom Danley and licensed from Sound Physics Lab.

Unity™ horn technology combines a single 1.75-inch compression driver with three 5-inch sealed back ceramic magnet midrange drivers on a single highly efficient conical horn. This combines high and mid frequency driver components in a single 60° x 60° conical horn that produces frequencies from 300Hz to 20kHz. All four driver components mounted in a Unity™ horn take advantage of the variable flare rate nature of the constant directivity horn, and measure and act like a single point source. This allows the mid frequency and high frequency drivers to act as one complete unit, without cumbersome digital signal processing, external crossover networks or complex bi-amplification when used in a passive loudspeaker configuration.



Unlike multi-driver two or three way full range speaker systems, in a Unity™ horn, there is no self-interference between the various components at crossover, and unlike conventional loudspeakers systems, the polar plots are free of lobes and large changes in directivity versus frequency. The front to back spacing of the drivers on the horn exactly compensates for the drivers' "built in" delays and the phase shift / delay introduced by the crossover.

Polar measurements show that while there are four drivers loading the horn, it is acoustically ONE source. Energy vs. Time measurements show all of the mid and high frequencies from a Unity™ loudspeaker emanate from one source, and acoustic phase measurements give no indication of where the crossover point is set.

Due to the high efficiency of the horn loading, the mid and high frequency drivers are conservatively driven well below each component's maximum power handling which accounts for the ultra low distortion specification. In Unity™ loudspeaker cabinets, the cone drivers for the mid section are running well below the rated output capacity in normal operation, they are +2dB more efficient than the compression driver and the group of three handles about two times the power.

In operation they are padded down about -7dB to match the sensitivity of the low frequency section. As a result of efficient horn loading and high headroom, mid range harmonic distortion is typically 1/10 to 1/100 of that measured in most speakers at the same SPL, far lower than any 2-inch compression driver.



Unity™ is arguably the first major evolution in horn technology in the last 60 years. When combined with neodymium woofers in a rugged Yorkville designed and manufactured solid birch plywood cabinet, the Unity™ Series redefines the boundaries of affordable professional PA loudspeakers.

Features:

- Unity™ delivers ultra-clear reproduction through the high-mid band with extremely linear frequency response. The Unity™ Series have the highest definition and clarity of any professional loudspeaker that Yorkville has ever produced
- Unity™ horn technology combines a single 1-inch throat with a 1.75-inch diaphragm high frequency compression driver along side three 5-inch ceramic magnet midrange drivers on a single, highly - efficient conical horn. This combines high and mid frequency energy in a single 60° x 60° conical horn that produces frequencies from 300Hz to 20kHz
- It has ultra-low distortion, is very loud, and essentially has the clarity, sound and reproduction of a "giant studio monitor" - In short it will simply make competitive speaker boxes "sound broken" by comparison, regardless of their price.



Optional UP15 and UP215 Processors

Although Unity Series loudspeakers can operate easily and effectively on their own, there are optional dedicated stereo processors that enhance the cabinet's overall performance. The UP15 processor (for U15 cabinets) and the UP215 (for use U215s) offer pre-equalization to optimize cabinet response when running Unity cabinets in full range mode, and provide crossover facilities for bi-amplification of Unity enclosures. The Unity processors also provide simple cost effective subwoofer control when UCS1 subs are being added to the system.

Unity™ Passive Cabinets

U15 High Powered Passive Loudspeaker

Engineered for the serious pro audio user, the U15 is among the most advanced, most versatile and most efficient high-powered compact PA cabinet available in the market today. The unparalleled clarity and precision of the patented Unity™ Summation Aperture conical horn when combined with the single 15-inch Neodymium woofer deliver extreme intelligibility and performance unmatched by any competitive loudspeaker in this class.

The compact footprint and relative light weight of the U15 easily makes it a first choice for front-of-house applications, drum monitor, side fill, front and down fill or virtually any situation where a professional quality sound reinforcement system is required.

The sonic clarity and smooth frequency response also makes the U15 a great PA cabinet for high volume recorded music playback applications. With pre-recorded music the U15 has the hi-fidelity to put it on par with some of the best studio reference monitors. But unlike traditional studio reference monitors, the U15 is capable of putting out extremely high sound pressure levels from its high-efficiency 800-watt, 4ohm format.

The U15 can be easily driven as a bi-amplified loudspeaker by way of a switch on the rear jack plate, and used with any Unity or elite series subwoofer for extended low frequency support. The UP15 Unity™ processor, designed specifically to optimize the sonic characteristics of the U15 has also been developed to ensure trouble free, “plug-and-play” full range or Bi-amp operation with or without a subwoofer.

The cabinet's trapezoidal shape was designed with multi-box, tight pack arraying in mind. Due to the nature of the conical horn, the polar pattern remains quite constant regardless of any vertical, or off axis rotation put upon it. It acts the same on all vertical axis, making it ideal for use upright or on its' side, without the need to ever rotate the horn.

The Unity U15 is made with solid 15mm 11-ply birch plywood cabinet construction and has heavy gauge perforated metal grille to protect the components. Integrated bar handles and standmount adaptor makes it an ideal cabinet for highly mobile front-of house applications where quick and easy set-up and tear down is required. Integrated flypoints allow Unity U15 to be flown in any array or installation quickly and safely. The U15 is available in two cabinet finishes including a rugged black Ozite carpet covering, ideal for mobile PA and rental houses (U15), or in a black painted finish (U15B) more suited to installation or touring systems.



U215 Compact Subwoofer

The U215 is a large format trapezoidal shaped, 1600-watt cabinet with a carefully chosen crossover point to seamlessly match the directivity characteristics of the Unity™ conical horn to the two, highly efficient neodymium 15-inch woofers.

The MTM (Mid-Top-Mid) cabinet design was chosen as the perfect format for the U215 driver configuration. An MTM design is ideal as it makes the most efficient use out of the Unity™ conical horn, especially when the cabinet is flown or used in a ground-stack with subwoofers. The trapezoidal footprint is identical to the U15 allowing them to be mated together in a variety of ways where an unconventional cabinet array is required. This is accomplished while still maintaining the ideal array angle to best couple multiple cabinets.

The lightweight neodymium drivers help to keep the U215 total weight under 100lbs, virtually unheard of for a 1600 watt 2x15" cabinet. Compare that to the 1500-watt E2152 at 167lbs and it is easily the lightest in its class.



Integrated flypoints mean the U215 cabinet can be easily used in many applications, as part of an installed system, or as the center-point of a touring or club rig. The trapezoidal shape was designed with multi-box, tight pack arraying in mind. Extensive Research and Development using the latest in acoustical measurement and modeling software was done to ensure that all of the Unity™ Series cabinets function equally on their own or in tight pack cluster arrays. Flying multiple cabinet arrays is possible with the addition of an optional ATM™ Flyware bumper system, allowing tight-pack horizontal arrays of up to 3 cabinets at the optimum splay to maximize the Unity™ horn's dispersion pattern while minimizing phasing and lobing.

Like the U15, the U215 uses solid 15mm 11-ply birch plywood cabinet construction and heavy gauge perforated metal grilles to protect the speaker components. The U215 is available in two finishes, a rugged black carpet covering (U215) ideal for highly mobile PA applications and rental houses, or black painted finish (U215B) more suited to club installation and touring systems. The U215 and U215B have integrated metal bar handles and wheels for maximum mobility.



UCS1 Unity™ Series Compact Subwoofer

Unity UCS1 / UCS1B Passive Subwoofers

The UCS1 is the ideal passive subwoofer to use with the Unity™ U15 or U215 loudspeaker systems. This 1000-watt 8-ohm cabinet takes full advantage of its horn-loaded design to deliver fierce bottom end from a surprisingly compact, single 15-inch loaded passive subwoofer.

The performance the UCS1 delivers from a box this manageable in size is the direct result of outstanding loudspeaker cabinet design. Optimized horn flare geometry, careful attention to the front and rear internal chamber dimensions, as well as the use of a high performance long excursion 15-inch driver give the UCS1 surprising high output volume and extended bass response for a subwoofer cabinet occupying only a total volume of just over 11 cubic feet.

The UCS1 is made with a solid 15mm 11-ply birch plywood cabinet construction and has a heavy gauge perforated metal grill to protect the components. Integrated wheels and bar handles make moving and stacking the UCS1 as easy as it can possibly be for a subwoofer in this class.

The UCS1 comes in a black carpet covering to mate with the U15 and U215, or is available in a black painted Ultrathane finish (UCS1B) for use with the painted versions of the Unity™ loudspeakers (U15B and U215B).

Unity™ Active Cabinets

U15P High Powered DSP Controlled Active Loudspeaker

Since its introduction in late 2003, Yorkville's Unity™ Series has well established itself as one of the most advanced, most versatile and most efficient high-powered portable PA cabinet designs currently available. The radical Unity™ Summation Aperture Horn Technology provides remarkably even high / mid frequency distribution from the 60° x 60° horn assembly, delivering unmatched clarity and definition from a loudspeaker box.



The next step in the evolution of the Unity™ line is the addition of an active loudspeaker cabinet. Building on the popularity of the single 15-inch and horn Unity™ U15, the logical step was to offer that highly successful passive cabinet in a radically redesigned active version. The result is the 900-watt three-way 15-inch and horn U15P.

The radical nature of the Unity horn required a radical power amp solution to ensure optimum performance from the system. An integrated DSP provides three-way internal crossover, time alignment, component protection, limiting and an extremely accurate overall cabinet EQ. Time delayed output for accurate subwoofer alignment ensures the Unity U15P delivers maximum impact in systems where complex external processing isn't the preferred set-up solution.

The U15P uses a combination of amplifier topographies to ensure reliability and superior loudspeaker performance. Two Class A/B amplifier modules deliver 150-watts each to the 1.75-inch horn driver, and to the three 5-inch ceramic drivers that make up the Unity horn assembly. An additional three-tier designed amplifier module delivers 600-watts to the 15-inch neodymium woofer.

The U15P is built using 5/8-inch birch plywood cabinet construction. Integrated bar handles and standmount adaptor allows the U15P to be quickly and easily integrated into any mobile live PA system. The cabinet's unmatched clarity and performance make an ideal choice as a repeater cabinet in large rooms and concert halls. Integrated flypoints allow the U15P to be flown in multi-cabinet arrays or installations without modification to the box. The cabinet's trapezoidal shape was designed with tight-pack box arrays in mind.



UCS1P Active Subwoofer

The Active UCS1P combines is the ideal active subwoofer solution for use with any combination of Unity™ loudspeaker full-range cabinets. The 1500-watt integrated power amplifier takes full advantage of the cabinet's horn-loaded design and single 15-inch long excursion driver to deliver enough bottom end support for virtually any PA application.

The unmatched performance of the UCS1P is the direct result of outstanding cabinet design combined with innovative integrated electronics designed to maximize the UCS1P's output.

The UCS1P can be connected to any line level signal source, including the time compensated output of the U15P via the XLR / TRS Combi-jack input. Built-in crossover circuitry means the UCS1P can be added to any system without complicated external crossovers being required. Multiple UCS1P's can be integrated into any setup using the XLR balanced thru put on each power module.

The UCS1P is made with solid 15mm 11-ply birch plywood cabinet construction and has a heavy gauge perforated metal grill to protect the components. Integrated wheels and bar handles make moving and stacking the UCS1P as easy as it can possibly be for a subwoofer in this class.



Unity™ Passive Series Specifications:

Model	U15	U215	UCS1
SYSTEM TYPE	Passive 3-Way	Passive 3-Way	Passive Subwoofer
BIAMPABLE	YES	YES	-
PROGRAM POWER (watts)	800	1600	1000
BI-AMP POWER	800 LF / 200 HF	1600 LF / 200 HF	-
IMPEDANCE (ohms)	4	4	8
FREQ. RESPONSE (Hz +/- 3dB)	50 - 20000	45 - 20000	37 - 150
SENSITIVITY (dB @1W/1m)	98	98	102
MAXIMUM SPL (dB)	127	130	132
X-OVER FREQUENCY (Hz)	300 / 1250	300 / 1250	-
DRIVER CONFIGURATION	15" / 3 x 5" / 1 x 1.75"	2 x 15" / 3 x 5" / 1 x 1.75"	1 x 15" Horn Loaded
LF DRIVER(S)	15" Neodymium / 3" voice coil	2 x 15" Neodymium / 3" voice coil	15" / 3" voice coil
MF DRIVER(S)	3 X 5" / 1" voice coil	3 X 5" / 1" voice coil	-
HF DRIVER(S)	1.75" polyester	1.75" polyester	-
HIGH / MID HORN CONFIGURATION	Conical Unity™ Horn	Conical Unity™ Horn	-
HIGH / MID HORN DISPERSION (H° x V°)	60 x 60	60 x 60	-
HF HORN THROAT DIAMETER	1"	1"	-
HF PROTECTION	PTC™	PTC™	-
CONSTRUCTION	15mm 11-ply Birch	15mm 11-ply Birch	15mm 11-ply Birch
GRILLE	Perforated Metal	Perforated Metal	Perforated Metal
STOCK FINISH	Black carpet	Black carpet	Black carpet
OPTIONAL FINISH	Black Ultra-thane paint (U15B)	Black Ultra-thane paint (U215B)	Black Ultra-thane paint (UCS1B)
INPUTS (1/4" / Speakon™)	2 / 2	2 / 2	2 / 2 Configurable
HANDLES	2 Side Bar	1 Top / 2 Side Bar / 1 Bottom	4 Bar
FLYWARE TYPE / QUANTITY	3/8" / 9	3/8" / 9	-
FLYWARE LOCATIONS	All corners / 1 pullback	All corners / 2 pullbacks	-
OPTIONAL ACCESSORIES	Unity™ UP15 Processor	Unity™ UP215 Processor	-
HARDWARE	Stand mount adaptor	Wheels	Wheels / Stand mount
DIMENSIONS (DxWxHxBW inches)	16.25 x 19.25 x 34 x 9.5	16.25 x 19.25 x 50 x 9.5	26.25 x 19.25 x 41
DIMENSIONS (DxWxHxBW cm)	42 x 49 x 87 x 24	42 x 49 x 127 x 24	66.7 x 49 x 104
WEIGHT (lbs / kg)	80 / 36	95 / 43	118 / 44.5

Unity™ Active Series Specifications:

Model	U15P	UCS1P
SYSTEM TYPE	Active 3-Way	Active Subwoofer
PROGRAM POWER (watts)	900	1500
FREQ. RESPONSE (Hz +/- 3dB)	50 - 20,000	37 - 120
MAXIMUM SPL (dB)	127	137
X-OVER FREQUENCY (Hz)	350 / 1250	-
DRIVER CONFIGURATION	15" / 3 x 5" / 1 x 1.75"	1 x 15" Horn Loaded
LF DRIVER(S)	15" Neodymium / 3" voice coil	15" / 4" voice coil
MF DRIVER(S)	3 X 5" / 1" voice coil	-
HF DRIVER(S)	1.75" polyester	-
HIGH / MID HORN CONFIGURATION	HConical Unity™ Horn	-
HIGH / MID HORN DISPERSION (H° x V°)	60 x 60	-
HF HORN THROAT DIAMETER	1"	-
HF PROTECTION	DSP Limiter	-
CONSTRUCTION	15mm 11-ply Birch	15mm 11-ply Birch
GRILLE	Perforated Metal	Perforated Metal
INPUTS	2 x 1/4-inch / 2x XLR	2 x 1/4-inch / 2x XLR
HANDLES	2 Side Bar	2 Side / 2 Back / 1 Bottom
FLYWARE TYPE / QUANTITY	3/8" / 9	-
FLYWARE LOCATIONS	3/8inch x 9 (all corners)	-
HARDWARE	Stand mount adaptor	Wheels / Stand mount
DIMENSIONS (DxWxHxBW inches)	16.5 x 22.5 x 34 x 13	27 x 22.25 x 41
DIMENSIONS (DxWxHxBW cm)	42 x 57 x 86 x 33	68.6 x 56.5 x 104
WEIGHT (lbs / kg)	110 / 49.9	TBA

éXcursion Systems

Yorkville's éXcursion Systems are the ideal marriage of our loudspeaker design experience and innovative electronics and power amplifier engineering into convenient PA system solutions. Built for live sound or DJ applications, éXcursion Systems are complete, self contained self powered systems with integrated crossover networks, system equalization, separate stereo full range and subwoofer level controls make the éXcursion Series the ultimate "Plug and Play" PA.

The simple concept behind the éXcursion Systems was to create powerful and effective active stereo PA systems centered around one active subwoofer and two stereo satellite loudspeakers. Designed to deliver maximum performance from the most compact components possible, éXcursion systems nest together for storage and transport. Convenient and highly mobile packages, éXcursion systems are ideal for rental houses or commercial PA applications and institutions where high-powered high performance PA systems are required, yet storage space may be at a premium.

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

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

éXcursion Systems are built using solid, void-free plywood cabinet construction for added strength and long term reliability. The speaker components are protected with Heavy gauge perforated metal grilles.

A detachable caster dolly is included with éXcursion systems, ensuring easy and safe transport and convenient storage. Unlike competitive system solutions, the caster kit from éXcursion Systems does not remain attached to the subwoofer when in use, eliminating caster buzz and rattle during live performances.

Features:

- 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 stand mount adaptors
- Solid plywood cabinet construction
- Removable caster kit



éXcursion EX2

The 1650-watt éXcursion EX2 is the most powerful self-contained PA system in its class.

The center of the system is a single 1200-watt active subwoofer loaded with the same powerful 18-inch driver used in the popular élite LS1208 subwoofer, the flagship of the élite passive subwoofer line.

The 12-inch and horn satellite loudspeakers used in the EX2 are true 'élite' cabinet quality in both component selection and design. A 90 x 30 degree injection molded 1-inch horn 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 same design philosophy behind Yorkville's élite loudspeaker line, all of the cabinets in the EX2 System are made with solid 15mm 11-ply birch plywood, not MDF or wood composite construction.

Three separate power amplifiers are integrated into the electronic components of the EX2's active subwoofer power the entire system. An electronic crossover network ensures an acoustically perfect transition between the subwoofer and the mid / high satellite speakers while 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 12-inch and horn satellite cabinets.

XLR and 1/4-inch TRS balanced inputs ensure the EX2 can be connected to any stereo mixer source quickly and easily. The satellite speakers are connected to the subwoofer with two 25-foot (8m) 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 around the stage.

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 1200-watt bottom end amplifier even when AC input voltages are limited. The mid / high frequency component of the EX2 is driven by a stereo 450-watt power amplifier. A reliable, efficient and effective three-tier amplifier design was chosen for the mid / high component of this system.

The EX2 System nests into one convenient package for transportation and storage, and is available in two finishes, including a rugged black Ozite carpet covering, ideal for mobile PA and rental houses (EX2), or in a black painted finish (EX2B) more suited to institutional or club system applications.



éXcursion EX1

The simple concept behind the élite EX1 was to create a powerful, effective and highly mobile active stereo live PA / Club System centered around one 15-inch active subwoofer and two active 8-inch / 1-inch bi-amplified satellite loudspeakers.

The core of the élite EX1 is the single 15-inch loaded subwoofer that houses the input section, electronic crossover networks and five integrated power amplifier modules that power the entire EX1 system.

The EX1 system delivers 950 watts total power. 650-watts is dedicated to the subwoofer, and 150-watts to each of the two satellite loudspeakers. To ensure system performance and clarity, the satellite speakers are bi-amplified (125-watts to each 8-inch driver and 25-watts to each 1-inch horn).

The satellite speakers are connected to the subwoofer with two 8m Speakon™ four connector 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. True to Yorkville loudspeaker design, all of the cabinets in the élite EX1 are made with plywood, not MDF or composites.

The electronic crossover network ensures an acoustically perfect transition between the subwoofer and the mid / high satellite speakers. Opto-limiter circuitry in the crossover network provides an unobtrusive and 'musical sounding' compression that not only protects the speaker components, but also 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.

To ensure trouble free movement from Point A to Point B, the EX1 comes shipped with a detachable swivel caster dolly and Velcro™ tie down strap for the satellite cabinets. Unlike competitive system solutions, the caster kit from the élite EX1 does not remain attached to the subwoofer when the system is in use, eliminating caster buzz and rattle during live performances.

Like the EX2, the EX1 system is available in two finishes, including a rugged black Ozite carpet covering, ideal for mobile PA and rental houses (EX1), or in a black painted finish (EX1B) more suited to institutional or club system applications.



éXcursion Specifications:

MODEL	EX1	EX2
SYSTEM TYPE	Self Contained Loudspeaker System	Self Contained Loudspeaker System
ACTIVE OR PASSIVE	Active	Active
PROGRAM POWER (Watts)	2x 150 / 650	2x 225 / 1200
MAX SPL (dB)	118 / 124	119 / 128
FREQUENCY RESPONSE (Hz +/- 3db)	45 - 19,000	42 - 18,000
CROSSOVER FREQUENCY (Hz)	130 / 3000	110 / 2200
DRIVER CONFIGURATION	2 x 1 x 8-inch / 1 x 15-inch	2 1x12 inch / 1 1x18 inch
HF DRIVER(S)	1.4-inch Aluminum	1 inch Mylar
HF PROGRAM POWER (Watts)	25	225
HF HORN	ABS Custom Waveguide	ABS Custom Waveguide
HF DISPERSION (°H x °V)	100 x 25	90 x 30
HF PROTECTION	Clip / Thermal / Short Circuit	CTL
MF DRIVER(S)	8-inch	12 inch (2 inch voicecoil)
MF PROGRAM POWER (Watts)	125	225
MF PROTECTION	Clip / Thermal / Short Circuit	-
LF DRIVER(S)	15 inch (2.5-inch voicecoil)	18 inch (4 inch voicecoil)
SUBWOOFER PROGRAM POWER (Watts)	650	1200
LF PROTECTION	Clip / Thermal / Short Circuit	Excursion / Clipping / Thermal
SATELLITE POWER AMPLIFIER (Watts)	25 x 2 (HF) / 125 x 2 (MF)	225 (HF+MF)
LF POWER AMPLIFIER (Watts)	650	1200
INPUTS	2 x 1/4" Jacks / 2 x XLR	2 x 1/4" Jacks / 2 x XLR
CONTROLS	Subwoofer level control / Left and Right satellite level controls	
HARDWARE	Wheels (Dolly Board) , Bar Handles, Pole Mount Adapter	
ENCLOSURE MATERIALS	15mm 11-ply birch, Perforated Metal Grille	
COVERING / FINISH	Black Ozite carpet (EX1), Black Painted (EX1B)	Black Ozite carpet (EX2), Black Painted (EX2B)
SATELLITE SPEAKERS (WxHxD in/cm)	8.5x10.75x15.5 / 21.5x27.3x39.4 17.7lbs / 8.1kgs	22.25x14.25x10.75 / 56.5x36.25x27.3 33lbs / 14.9kgs
SUBWOOFER (WxHxD in/cm)	21.5x17.25x22.25 / 54.6x43.8x56.5 81.2lbs / 36.8kgs	29.5x22x18.25 / 75x55.8x46.3 112lbs / 51kgs

élite Series Loudspeakers

For the best in sound reinforcement technology ... join the élite

Since the mid 80's, the élite series has grown from the innovative M160, the original micro-sized high-powered loudspeaker, into a complete line of professional enclosures including both active and passive full-range cabinets, stage monitors and a full line of subwoofers. Today's élites, from the highly efficient and extremely compact two-way E10 (a direct descendent of the original M160) to the 1500-watt large format E2152 have some of the most advanced component protection and crossover technology available today.

A modified trapezoidal shape and recessed input jack panel and handles mean these cabinets can function perfectly as a wedge monitor or front-of-house loudspeaker. Unlike some 'multi function' loudspeakers currently in the marketplace, great care has been taken in the design process to ensure that élite cabinets will perform without compromising functionality as either a monitor or a front-of-house enclosure. Neither application was considered as an afterthought.

Integrated bar handles, stand mount adaptors and flypoints means these enclosures can be adapted easily to any permanent installation or touring application. Large format cabinets and subwoofers have additional handles and wheels to maximize mobility. In addition, the modified cabinet shape utilized on select cabinets means the new élite series can be installed much closer to vertical surfaces and in some cases, under balconies in tight locations, and can be arrayed in a much tighter less obtrusive cluster.

Several of the élite loudspeakers are loaded with 80° x 50° rotatable Waveguide horn assemblies (the E10 utilizes a 100° x 25° horn). The ability to rotate the horn assembly ensures that the cabinet can provide optimum high frequency dispersion when the loudspeaker is used in either a vertical, horizontal or arrayed application.



Alternative Finishes

The stylish yet practical carpet that covers the élite cabinets keeps them looking great. The two part rubberized glue that is used to attach the carpet ensures that élite cabinets will stand up against moisture by effectively wrapping the cabinet in a rubber glove. For touring applications and installations where carpet may not be the preferred finish solution, Yorkville's Ultrathane black painted finish is available on all models.

FEATURE CHECKLIST

- 1 Processor Controlled - Dual purpose electronic processors specifically designed to enhance bass response and to act as stereo crossovers when bi-amping with subwoofers. Most models are configurable for passive or bi-amplified operation, as well as live or recorded music applications.
- 2 Flying Hardware - All full range models in the élite series are equipped with flying hardware for safe and professional suspended application.
- 3 Rugged Driver Mounting System - All élite cabinets feature a specially reinforced driver mounting system that makes sure the horn drivers will still be attached to the horns when you get to the show. The injection molded or composite horns are pressure fitted to the driver which is bolted to the internal driver support.
- 4 Custom Design Horns - Custom Waveguide horns, or in the case of the E2152, composite radial horns are specifically designed for each cabinet and manufactured right in our factory for optimum quality control. This insures proper waveguide output for better clarity and lower distortion.
- 5 Curved Metal Speaker Grilles - Curved metal grilles absorb shocks evenly to resist dings and dents while eliminating frequency resonance. The unique cabinet shape allows for arrayable performance with minimal phase cancellation.
- 6 Only high quality Birch plywood is used for cabinet construction. Reinforced internal bracing maximizes durability and road-worthiness.
- 7 Recessed Handles - All élite cabinets feature attractively recessed bar handles. Great care is taken to make sure that they "stay out of the way", but are easy to get at when you need them.
- 8 Flush Mounted Stand Adaptors - Flush-mounted stand adaptors in the top of the subs and bottom of the full-range speakers allow the use of the adjustable SW-TELETUBE1 option which makes setup a breeze by eliminating the need for speaker stands.
- 9 Integrated Wheels - Tilt back wheels and top-mounted handles are standard issue on the larger cabinets.



Innovative Component Protection

Depending on power handling and choice of components used in the loudspeaker, not all protection systems are created equal. Élite loudspeakers use a combination of proven protection schemes to ensure maximum reliability, regardless of the application.

Select élite full range cabinets feature seamless driver interaction through sophisticated high-slope passive networks and the CTL™ (Current-To-Light) protection scheme. This scheme allows continued operation by absorbing excess signal in a standard automotive light bulb, thus preventing HF driver failure. In extreme conditions, the low-cost light bulb will burn out before harmful current can damage expensive driver components.

Yorkville's proven PTC™ high frequency protection is employed in some higher-powered élite models. PTC™ is an ingenious current sensing / self-resetting breaker that offers some serious advantages over current protection schemes used in many loudspeaker cabinets. This protection scheme, while always present in the signal path, remains inaudible until it becomes necessary for it to react. It kicks in at a point where it effectively reduces output to the horn and protects that diaphragm from damage due to excessive power input or signal distortion. Unlike a breaker it does not require a physical reset to allow signal back to the horn driver, and unlike a bulb or fuse, does not need to be replaced if the circuit is tripped, and the fuse is blown.

The high-powered E2152 features the ATP™ (Active-Transistor) protection system that allows the horn driver to operate at levels significantly above those required for normal operation. The ATP™ brickwall element of the protection circuit uses power transistors configured to operate linearly yet have the fast attack required to protect against harmful transients. Along with ATP™, the new crossover also incorporates air core coils and polypropylene capacitors to guarantee reliable and distortion free operation at extreme levels. The sonic benefit is higher output and greater transparency when operating at high levels.

Full Range Enclosures



E10

The two-way E10 loudspeaker is one of the first in a new series of élite cabinets designed and built for maximum versatility in multiple applications. One of the best sounding ultra-compact cabinets in the market, the E10 is a new concept in loudspeaker cabinet design.

The E10 is loaded with 100° x 25° Waveguide horn assembly. A modified trapezoidal shape and recessed input jack panel and handle means the E10 cabinet can function perfectly as a wedge monitor or front-of-house loudspeaker. Integrated stand mount adaptor and flyware means the E10 can be utilized in any permanent install or touring application. In addition, the modified cabinet shape means the élite E10 can be installed much closer to vertical surfaces and in some cases, under balconies in tight locations, and can be arrayed in a much tighter less obtrusive cluster.

Ideal for any small PA rental house, installer or sound company, these loudspeakers may replace a number of specific application cabinets in any inventory.



E210

The lowest profile high power cabinet in the élite line. This 2 x 10-inch / 1-inch, 600-watt loudspeaker is designed as the ultimate box for clubs or installs where sight lines might be an issue.

The E210 can be utilized vertically or horizontally. The rotatable 80° x 50° horn means high frequency dispersion can be tailored to suit the cabinet's placement.

The versatile cabinet design takes both front-of-house and monitoring applications into account. This cabinet easily performs extremely well in either application. The unique cabinet shape makes for tighter arrays and the ability to fly the cabinet much closer to walls and ceilings than most conventional boxes.

Flypoints are integrated on the top, bottom and sides of the E210. A metal standmount adaptor and recessed jackplate make the E210 a versatile club system cabinet.

When used with the EP210 processor, the E210 can be easily bi-amplified, or used with any élite series subwoofer.



E12

This 1 x 12-inch / 1-inch, 400-watt loudspeaker delivers amazing punch for its size. The E12 can be utilized vertically or horizontally. The rotatable 80° x 50° horn means high frequency dispersion can be tailored to suit the cabinet's placement. Integrated flypoints and standmount adaptor means the E12 can be easily used as a front-of-house box or stage monitor in any install, touring or club rig.

The E12 might be the most useful and versatile cabinet we have ever made. The unique cabinet shape makes for tighter arrays and the ability to fly the cabinet much closer to walls and ceilings than most conventional boxes.



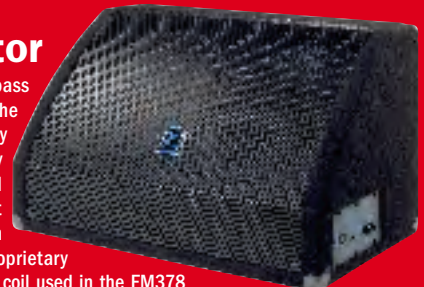
E15

This extremely versatile 1 x 15-inch / 1-inch, 450-watt loudspeaker delivers amazing punch and extended low frequency response. One of the most popular cabinets in the élite line, the E15's extended bottom end can easily cover many club applications on its own. When coupled with any élite subwoofer, the E15 becomes the ideal high powered mid / high frequency PA cabinet for virtually any club application. The E15 can be utilized vertically or horizontally. The rotatable 80° x 50° horn means high frequency dispersion can be tailored to suit the cabinet's placement. Integrated flypoints and standmount adaptor means the E15 can be easily used as a front-of-house box or stage monitor in any install, touring or club rig.

The unique cabinet shape makes for tighter arrays and the ability to fly the cabinet much closer to walls and ceilings than most conventional boxes. When used with the EP1215 processor, the E15 can be easily bi-amplified, or used with any élite series subwoofer.

EM378 Monitor

Vocal clarity and excellent bass response are hallmarks of the bi-ampable EM378. This extremely loud compact wedge is specifically optimized for use on the floor and can be used with the baffle at either 50° or 40° for maximum application flexibility. The proprietary 12-inch woofer with 3-inch voice coil used in the EM378 provides extra high output at 80Hz, making the EM378 sound much larger than it appears. The smooth 2-inch high frequency driver is mounted on a vertical format 40° x 60° horn and is combined with the woofer using very steep crossover slopes to minimize floor reflections.



E152

The compact and efficient E152 features a 2-inch high frequency driver mounted on a Waveguide horn and a 15-inch woofer with a 3-inch voice-coil. This 800-watt cabinet has a carefully chosen crossover point, seamlessly matching the directivity characteristics of the woofer to the horn. As the most compact enclosure in its class, the ultra-high output E152 is perfect for application in medium to large sized venues, and has integrated flypoints and standmount adaptor for easy integration into any mobile PA setup, installation or touring rig.

The E152 can be utilized vertically or horizontally. The rotatable 80° x 50° horn means high frequency dispersion can be tailored to suit the cabinet's placement. The unique cabinet shape makes for tighter arrays and the ability to fly the cabinet much closer to walls and ceilings than most conventional boxes. When used with the EP152 processor, the E152 can be easily bi-amplified, or used with any elite series subwoofer for extended low frequency support.



E152

E215

This 2 x 15-inch / 1-inch, 1000-watt loudspeaker delivers amazing punch and extended low frequency response.

Ideal for use with or without a subwoofer, the E215's extended bottom end can easily cover many club applications on its own. The rotatable 80° x 50° horn means high frequency dispersion can be tailored to suit the cabinet's placement or application. Flypoints on the top, sides and back of the E215 allow the cabinet to be easily adapted to any installation or touring rig. Integrated wheels and bar handles maximize mobility.

The E215 is perfect for applications in medium to large venues, especially when used with an optional EP215 processor and/or elite subwoofer for extended low frequency support.



E215

E2152

This 2 x 15-inch 2-inch, 1500-watt cabinet proves that matched drivers do make a cabinet better. The design of this bi-ampable trapezoidal cabinet incorporates a 2-inch high frequency driver that has exceptional upper frequency response, yet provides highly efficient mid-range output as well. The driver fires through an ultra-modern true conical radial horn, back-set to optimize time alignment with the low frequency section.

The Yorkville designed 90° x 40° horn is composed of a rigid, non-resonant high-tech composite that virtually eliminates high frequency coloration. The E2152 features the ATP™ protection scheme. The electronics have also been updated to provide a firm acoustic bond between low and high frequency using phase correction filters. Flypoints on the top, sides and back of the E2152 allow the cabinet to be easily adapted to any installation or flying assembly. Integrated wheels and bar handles maximize mobility.



E2152

élite Full Range Enclosure Specifications:

Model	E10	E12	E210	E15	E152	E215	E2152	EM378
SYSTEM TYPE	Passive 2-Way	Passive 2-Way	Passive 2-Way	Passive 2-Way	Passive 2-Way	Passive 2-Way	Passive 2-Way	Passive 2-Way
PROGRAM POWER (watts)	200	400	600	450	800	1000	1500	350
IMPEDANCE (ohms)	8	8	4	8	8	4	4	8
FREQ. RESPONSE (Hz +/-3dB)	65 - 18k	55 - 20k	55 - 20k	55 - 20k	50 - 16k	55 - 20k	55 - 20k	65 - 16k
SENSITIVITY (dB@1W/1m)	100	102	102	102	98	102	100	102
MAXIMUM SPL (dB)	123	128	128	129	127	132	132	127
X-OVER FREQUENCY (Hz)	2900	1900	1900	1900	1200	1000	1500	1200
LF DRIVER(S)	10"	12"	2 x 10" Neodymium	15" / 3" Voicecoil	15" / 4" Voicecoil	2 x 15"	2 x 15" / 3" Voicecoil	12" / 3" Voicecoil
HF HORN	Waveguide	Rotatable Waveguide	Rotatable Waveguide	Rotatable Waveguide	Rotatable Waveguide	Rotatable Waveguide	Composite Conical Radial	Waveguide
HF DRIVER	1" Titanium	1.5" Polyester	1.5" Polyester	1.5" Polyester	3" Titanium	1.75" Polyester	3" Titanium	3" Titanium
HF HORN THROAT DIAMETER	1"	1"	1"	1"	1"	1"	1.5"	1.5"
HF DISPERSION (H x V)	100 x 25	80 x 50 / 50 x 80	80 x 50 / 50 x 80	80 x 50 / 50 x 80	80 x 50 / 50 x 80	80 x 50 / 50 x 80	90 x 40	40 x 60
HF PROTECTION	CTL™	PTC™	PTC™	PTC™	PTC™	PTC™	ATP™	CTL™
BI-AMPABLE	No	Yes	No	Yes	Yes	Yes	Yes	Yes
CONSTRUCTION	15mm 11-ply Birch	15mm 11-ply Birch	15mm 11-ply Birch	15mm 11-ply Birch	15mm 11-ply Birch	15mm 11-ply Birch	15mm 11-ply Birch	3/4" 7-ply Spruce
STOCK FINISH	Black Carpet	Black Carpet	Black Carpet	Black Carpet	Black Carpet	Black Carpet	Black Carpet	Black Carpet
ALTERNATE FINISH	Black Ultrathane (E10B)	Black Ultrathane (E12B)	Black Ultrathane (E210B)	Black Ultrathane (E15B)	Black Ultrathane (E152B)	Black Ultrathane (E215B)	Black Ultrathane (E2152B)	-
GRILLE	Perforated Metal	Perforated Metal	Perforated Metal	Perforated Metal	Perforated Metal	Perforated Metal	Perforated Metal	Perforated Metal
INPUTS (1/4" / Speakon™)	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
HANDLES	1 Side Bar	2 Side Bar	2 Side Bar	2 Side Bar	2 Side Bar	1 Corner Bar / 2 Side Bar	2 Corner Bar / 2 Side Bar	2 Side Bar
FLYWARE TYPE / QUANTITY (CARPET)	3/8" x 5	3/8" x 5	3/8" x 9	3/8" x 5	3/8" x 5	3/8" x 5	3/8" x 9	-
FLYWARE TYPE / QUANTITY (PAINTED)	3/8" x 9	3/8" x 9	3/8" x 9	3/8" x 9	3/8" x 9	3/8" x 9	3/8" x 9	-
STAND MOUNT ADAPTOR	Yes	Yes	Yes	Yes	Yes	No	No	Yes
WHEELS	-	-	-	-	-	Yes	Yes	-
OPTIONAL ACCESSORIES	EP10 Processor	EP1215 Processor	EP210 Processor	EP1215 Processor	EP152 Processor	EP215 Processor	EP2152 Processor	EP378 Processor
DIMENSIONS (DxWxHxBW inches)	12 x 13 x 18.5 x 5.5	14 x 18 x 25 x 8.5	12 x 14 x 34 x 6.5	15.5 x 19 x 28.5 x 8	15.5 x 19.5 x 29 x 8	23 x 22 x 46 x 11	19 x 26 x 45 x 18	25 x 16 x 15
DIMENSIONS (DxWxHxBW cm)	30 x 33 x 45 x 14	36 x 46 x 64 x 22	31 x 36 x 86 x 17	38 x 48 x 72 x 20	40 x 50 x 74 x 20	58 x 56 x 117 x 28	48 x 66 x 115 x 46	65 x 40 x 39
WEIGHT (lbs / kg)	36 / 16.4	60 / 27.3	52 / 23.6	66 / 29.8	83 / 37.7	136 / 61.7	167 / 75.8	66 / 30

Specifications subject to change without notice.

élite passive subwoofers

All élite subwoofers are horn-loaded except for the LS1004, which is a bass reflex design. Suitable for touring or fixed installations, the cabinets are constructed of 15mm plywood with heavy internal bracing for reduced resonance and better durability.

All enclosures are covered in black carpet covering and incorporate metal corner protectors, rugged curved anti-resonant metal grilles, and 1/4-inch or Speakon™ input connectors. Additionally, the Speakon™ connectors feature a configuration switch which allows instant reversal of Speakon™ jack pinouts for easy single wire hook-up using optional four wire Speakon™ cables.



LS608



LS808



LS1004



élite Passive Subwoofer Specifications:

Model	LS608	LS808	LS1004	LS1208
SYSTEM TYPE	Quasi Horn-Loaded	Rear Horn-Loaded	Bass Reflex	Horn-Loaded
PROGRAM POWER (watts)	800	800	1200	1200
IMPEDANCE (ohms)	8	8	4	8
FREQ. RESPONSE (Hz +/-3dB)	50 - 300	45 - 180	40 - 300	35 - 200
SENSITIVITY (dB @1W/1m)	103	105	102	105
MAXIMUM SPL (dB)	132	134	133	136
LF DRIVERS	18" / 4" Voice Coil	18" / 4" Voice Coil	2 x 18" / 4" Voice Coil	18" / 4" Voice Coil
CONSTRUCTION	15mm 11-ply Birch	15mm 11-ply Birch	15mm 11-ply Birch	15mm 11-ply Birch
STOCK FINISH	Black Carpet	Black Carpet	Black Carpet	Black Carpet
ALTERNATE FINISH	Black Ultrathane (LS608B)	Black Ultrathane (LS808B)	Black Ultrathane (LS1004B)	Black Ultrathane (LS1208B)
INPUTS (1/4" / Speakon™)	2 / 2 Configurable	2 / 2 Configurable	2 / 2 Configurable	2 / 2 Configurable
HANDLES	2 Side Bar	2 Side Bar / 1 Corner Bar	2 Side Bar / 2 Corner Bar	2 Side Bar / 2 Corner Bar
STAND MOUNT ADAPTOR	Yes - Top	Yes - Top	-	-
WHEELS	-	Yes	Yes	Yes
DIMENSION (DxWxH inches)	26.2 x 23.1 x 24.6	23 x 28.3 x 31.5	23.5 x 28.3 x 43.5	33 x 28 x 43.5
DIMENSION (DxWxH cm)	66 x 58 x 62	58 x 72 x 80	60 x 72 x 110	84 x 71 x 111
WEIGHT (lbs / kg)	91 / 41.3	115 / 52	163 / 74	172 / 78.1

Specifications subject to change without notice.

LS1208

A two year investigation into the optimization of high output low frequency sound has yielded the LS1208 "basspipe" subwoofer system.

The "basspipe" is a multiple flare horn, connected to an organ like pipe, slowly flaring to the mouth. The bandwidth is narrowed, optimized to a specific range in the lower registers. Outdoor measurements show very smooth, very high output in the 35Hz to 200Hz range. This is the highest efficiency that we have ever seen for a single 18-inch driver enclosure, especially with a gross volume of only 22 cubic feet. In addition, a significant gain is achieved when using two units side by side as the mouth nears maximum acoustic load.

Additional research has developed a woofer with significantly higher power handling than any other speaker that we currently use, making the LS1208 one of the highest output subwoofers available at any price. Performance, packaging, and overall value make the LS1208 a benchmark.



élite processors *The Optional élite Processors Explained*

Every élite enclosure can be used with an optional, dedicated stereo processor which is designed to optimize the performance of that specific cabinet.

The 19" rack-mountable processors interface between the output of the mixer and the input of the power amplifier(s) to provide both pre-equalization and crossover facilities, plus enhanced subsonic protection and hum-rejection.

Subwoofer outputs feature user variable 90Hz to 150Hz crossover frequency controls. Bass frequencies destined for the full-range enclosure's woofer, which are more effectively reproduced by the subwoofer are rolled off. A two or three way system can be achieved by adding a subwoofer to your existing élite system. Additional features include push buttons for live/playback mode, bi-amp/full range mode and subwoofer in/out.

All processors feature balanced 1/4" TRS (XLR optional) inputs and outputs and can be used with all Yorkville subwoofers - they are even compatible with our competitor's subs! All feature a signal-to-noise ratio of better than 97dB and a max output of 8Vrms, 20dBm at 1kHz.

Question - Will my élite speakers work without a processor?

Answer - élite boxes do sound great on their own, without much

tweaking or external processing. The simple answer is no, you don't absolutely need a processor, as much as you may want it after trying the system with and without the processor.

Confused? Don't be.

In reality, all of the élite cabinets will operate just fine without the processor in the system. There is a tuned passive crossover network in every élite loudspeaker, and the component protection is part of that crossover network. (Unlike the fully processed Yorkville TX systems where that processor is the only crossover system, and is integral to protect the components.)

However, there are advantages to having that élite processor around.

First of all, the élite processors are designed for specific cabinets and must be used in the right combination. If you're using the E215 then there is an EP215 processor, likewise the E2152 should have an EP2152 processor. The reason is simple. Our processors provide a proper overall pre-EQ'd tone and are tweaked for their specific cabinets.

Each processor takes into account the individual cabinet's design characteristics. They know where to boost and to cut frequencies for optimum, even and most efficient cabinet response. In the cases of the smaller cabinets like the E10, the processor rolls off extremely low frequencies the cabinet isn't designed to reproduce, thus making the system operate more efficiently.

When using élite cabinets with subwoofers, the processor becomes the active crossover as well. Again, it optimizes the frequency response of the 'top' cabinet taking into account that there is a subwoofer present, and properly crosses over and phase aligns the system. Simply throw the switch on the processor from one-way to two-way mode and the crossover kicks in, the top box (E10, E12 or whatever enclosure you choose) becomes smooth mids and highs only, and you have a balanced output to feed the low frequency program to a subwoofer system.

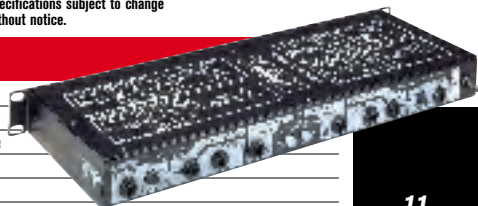
****User Tip** - When running a monitor system on stage with any élite monitor enclosures, throw the processor into two-way mode. This will create a dramatic bass roll off in the cabinet and in some cases, more mid presence. In a monitor system, excess bottom end clutters up the stage sound (there's usually tons of bottom coming off the back of the main system anyways) and the increased presence makes the monitor mix much clearer and far more intelligible.

Larger élite cabinets like the E2152, E215 and E152 can often be bi-amplified internally and the processor is by far your most cost effective solution. Again, by switching into three-way mode in an E2152 the processor EQ's for the bi-amplified system set up, and provides balanced outputs to feed the multiple amplifier array.

Specifications subject to change without notice.

élite Processor Specifications:

Model	EP10	EP1215	EP152	EP210	EP215	EP2152	EP378
BI-AMP X-OVER FREQ. (Hz)	NA	1500	1400	1900	1000	1500	1200
SUBWOOFER X-OVER FREQ. (Hz)	90 to 150 variable	90 to 150 variable	90 to 150 variable	90 to 150 variable	90 to 150 variable	90 to 150 variable	90 to 150 variable
S/N RATIO (dB)	>97	>97	>97	>97	>97	>97	>97
MAX. OUTPUT @ 1kHz	8Vrms, 20 dBm	8Vrms, 20 dBm	8Vrms, 20 dBm	8Vrms, 20 dBm	8Vrms, 20 dBm	8Vrms, 20 dBm	8Vrms, 20 dBm



élite active subwoofers

élite active cabinets are the ultimate in convenience. Each includes a state of the art amplifier coupled with a high quality driver system enclosed in a tuned enclosure designed specifically to complement the amp/driver combination. All include comprehensive speaker and amplifier protection as well as excellent interconnectability options and the standard élite, ultra-rugged design.

The precisely tuned band-pass enclosures of the LS200P and LS700P provide rock-solid low frequency output previously available only from much larger cabinets. In fact, the unique combination of high-excursion woofers, electronic control and proprietary, series-loaded box design results in higher acoustic output than many single 18-inch enclosures which are 30-50% larger!

Extensive research into woofer suspension systems has resulted in the use of a unique high-tech, high-compliance Santoprene cone surround. This virtually indestructible surround material minimizes distortion and allows very high sound pressure levels. Advanced sensing circuitry offers sonically transparent limiting and thermal driver protection for maximum reliability. A flush, top-mounted stand adaptor is included so that a speaker pole (optional) may be used to mount full-range enclosures thus avoiding the need for a tripod stand.

LS200P

This is our most compact élite subwoofer, and it's active. The LS200P is ideally suited for smaller venues where convenience and ease of setup are paramount. This is not to say that the sub is lacking in power - it definitely is not! A reliable 10-inch driver powered by a processed amplifier delivers specs of 125dB max SPL and frequency response of 50 to 110Hz. Not only does it perform, it is also protected well enough to set your mind at ease that it will not self-destruct when delivering demanding sonic passages.

LS700P

The élite LS700P is a low profile, ultra-compact high-output, active subwoofer with two 350-watt 10-inch cast-frame speakers and a built-in 700-watt power amplifier. The LS700P is very versatile, transportable and above all great sounding! The precisely tuned band-pass enclosure provides rock-solid low frequency output previously available only from much larger cabinets.

Features include adjustable high frequency cut-off and volume controls as well as switchable speaker/line level inputs (balanced 1/4-inch TRS). These allow the LS700P to be effectively matched to any system and even driven from an external amplifier. Additionally, it is capable of accepting a stereo signal and blending it to mono, thus allowing one LS700P to be used with nearly any stereo system.



LS200P



LS700P



LS800P

LS800P

The ultimate in active subwoofers. A single 18-inch speaker in rear horn loaded cabinet with 1000 watts of integrated power, XLR and 1/4-inch TRS inputs that can handle both speaker and line level sources and a tunable low pass filter, user definable 50Hz boost.

The power section of the LS800P active subwoofer has an ingenious input / output system. XLR balanced inputs as well as TRS 1/4-inch balanced ins make sure you can get into the LS800P from any source. 1/4-inch inputs will support either line level or speaker level source signal. An additional XLR 'Mono Blend Input' allows one LS800P to function in a stereo system by blending the two sources and creating a single in-phase mono subwoofer. A +/- 12dB trim control makes sure the LS800P level can always be matched with whatever tops you may be using to complete your system.

Yorkville's active élite cabinets reflect the synergistic advantage of integrating electronic and acoustic elements into one attractive package that is very versatile, transportable and, above all, great sounding! These enclosures offer the ultimate in 'plug and play' convenience while maximizing sonic performance. Advanced sensing circuitry offers sonically transparent limiting and thermal driver protection for maximum reliability.



élite active cabinets

E160P

So compact, so versatile and with such fidelity, the E160P could revolutionize the standards for quality portable speaker systems. This highly versatile, internally bi-amplified and processed cabinet can be stand-mounted for front-of-house or tilted back on its specially engineered rear chassis-ears for effective stage monitoring. The integration of power amplifiers and internal processing yields performance previously attainable only by much larger and more complicated processor-controlled systems.

The EF500P

The EF500P redefines performance in a high-power professional active loudspeaker enclosure.

The EF500P redefines performance in a high-power professional active loudspeaker enclosure. Utilizing the popular élite EF508 as a base, and adding a total of 800 watts of bi-amped power and advanced signal processing, the EF500P is destined to set a new standard for active loudspeaker design. The woofer or low frequency amplifier uses Class D switching technology to reduce overall weight of the amplifier section. This amp delivers over 650 watts to the 15" woofer. A 150-watt two-tier linear technology class H amplifier drives the 2" titanium diaphragm horn driver. This solution allows the horn to produce loud clean transients to keep up with the high output of the woofer. The two-tier amplifier technology isn't typically seen in a product like this, however we found the advantages (lower weight, more efficiency, higher headroom and lower operating temperature) made it a perfect choice for powering the top end.

As an additional advantage, our unique combination of two-tier and Class D amplification has reduced extraneous heat to the point that EF500P can easily be used in any orientation, and close to walls, floors and in close arrays with multiple cabinets.

Borrowing some ideas from our powerful and popular TX Series PA systems, the limiters used in the input and crossover stages are a complex combination of gain reduction and sweeping filters. As the EF500P is being pushed to its maximum input / output levels, it's advanced filtering begins rolling off unnecessary subsonic frequencies. In addition the processing protects the individual components ensuring failure free operation even after long term operation at close to maximum output levels.

This is achieved without negatively affecting the overall sonic quality of the cabinet. This ensures that the essential part of any mix, like the vocals or solo instruments, come out clean and clear when the cabinet is being operated at the extremes of power and woofer excursion. Extremely fast and accurate limiting is in place to protect the speaker components.

The EF500P has a built in mixer allowing the loudspeaker to be used directly with a microphone and / or line source. The loop output allows additional active cabinets to be driven from one cabinet's mixer stage, or a series of cabinets to be driven from one source. If desired, the end user can combine a pair of the EF500P's using the mixer inputs on each cabinet and coupling the loop outputs.

The microphone input has equalization and high pass filtering appropriate for vocal applications. The trim control allows looped cabinets to be individually adjusted in level. This is invaluable in applications where large numbers of cabinets are used such as clusters or in trade show applications or when EF500P's are used as repeater cabinets or for side fill. The 100 Hz high pass filters allows the EF500P to be used more efficiently with any active subwoofer.



EF500PB
(input section)

élite Active loudspeaker Specifications:

Model	E160P	EF500P	LS200P	LS700P	LS800P
SYSTEM TYPE	Active 2-Way	Active 2-Way	Active Band Pass Subwoofer	Active Band Pass Subwoofer	Active Rear Horn-Loaded
PROGRAM POWER (watts)	160 LF +30 HF	650 LF +150 HF	200	700	1500
FREQ. RESPONSE (Hz +/- 3dB)	50 - 18k	50 - 16k	50 - 110	45 - 125	45 - 180
MAXIMUM SPL (dB)	122	127	125	131	137
X-OVER FREQUENCY (Hz)	4000	2100	-	-	-
LF DRIVER(S)	10"	15"	10"	2 x 10"	18"
HF HORN	All Metal Bi-Radial	Waveguide	-	-	-
HF DRIVER	1" Mylar	3" Titanium	-	-	-
HF HORN THROAT DIAMETER	1.2"	2"	-	-	-
HF DISPERSION (H° x V°)	100 x 30	60 x 40	-	-	-
HF PROTECTION	Active Limiter	Thermal / Peak Limiter	-	-	-
LF PROTECTION	Overexcursion	Thermal / Peak Limiter / Overexcursion	Thermal / Overcurrent / Clip	Thermal / Overcurrent / Clip	Thermal / Overcurrent / Clip
BI-AMPABLE	Active Bi-Amp	Active Bi-Amp	-	-	-
CONSTRUCTION	3/4" 7-ply Spruce	3/4" 7-ply Spruce	15mm 11-ply Birch	15mm 11-ply Birch	15mm 11-ply Birch
STOCK FINISH	Black Carpet	Black Carpet	Black Carpet	Black Carpet	Black Carpet
ALTERNATE FINISH	-	Black Ultrathane (EF500PB) 18mm Birch	Black Ultrathane (See NX200S)	Black Ultrathane (LS700PB) 15mm 11-ply Birch	Black Ultrathane (LS800PB) 15mm 11-ply Birch
GRILLE	Perforated Metal	Perforated Metal	Perforated Metal	Perforated Metal	Perforated Metal
INPUTS (1/4" / XLR)	2 / none	3 / 2	-	2 / none	2 / 2
MIXER CONTROLS	Line Source Gain Ground Lift Speaker / Line Level Input	Mic Gain / Line Source Gain +/- 6dB Input trim control Subwoofer tuning / selection switch	Line Source Gain Speaker / Line Level Input	Line Source Gain Speaker / Line Level Input	Line Source Gain Speaker / Line Level Input
LOOP IN / OUTPUTS	1/4" TRS balanced (x2)	XLR-M / XLR-F 1/4" TRS balanced (x2)	1/4" TRS balanced (x2)	1/4" TRS balanced (x2)	XLR-M / XLR-F 1/4" TRS balanced (x2)
HANDLES	1 Side Bar	2 Side Bar	1 Side Bar	2 Side Bar	2 Side Bar / 1 Corner Bar / Wheels
FLYWARE TYPE / QUANTITY	-	3/8" x 9	-	-	-
FLYWARE LOCATIONS	-	2 x Top / Bottom / Sides 1 x Back	-	-	-
STAND MOUNT ADAPTOR	Yes	Yes	Yes Top	Yes Top	Yes Top
DIMENSIONS (DxWxBW inches)	16 x 12.9 x 17.5	14.5 x 18.6 x 28.2 x 11	27 x 17.5 x 14	24.5 x 24 x 17.5	23 x 28.3 x 31.5
DIMENSIONS (DxWxBW cm)	41 x 33 x 44.5	37 x 47 x 72 x 28	69 x 44 x 36	62 x 61 x 44.5	58.4 x 72 x 80
WEIGHT	45 / 20.4	89 / 40.4	57 / 25.9	91 / 41.3	143 / 65

Specifications subject
to change without notice.

The NX Series – The Next Generation

The newly designed NX series cabinets are the next evolution in injection-molded loudspeaker technology from Yorkville Sound. The non-resonant Polypropylene construction materials, an improved cabinet design with greatly reinforced internal structure improves the low frequency response of the newest NX Series boxes, making for a better and more balanced overall loudspeaker performance.

The modified trapezoidal shape of the NX series loudspeakers allows both active and passive versions to function flawlessly in any PA application. The reinforced cabinet design ensures a proper up-angle and stable footing when NX loudspeakers are employed as monitors, and allows NX cabinets to be packed in more compact arrays or multiple cabinet clusters.

Integrated bar handles and standmount adaptors allow the NX Series cabinets to be quickly and easily adapted to any mobile PA application. Proprietary flyware brackets are available for the NX Series designed to mount to integrated flypoints in the cabinets, allowing these rugged and reliable lightweight boxes to be flown in arrays or clusters, or mounted via wall mount adaptors safely to walls, under balconies or to structural pillars in virtually any installation.



NX35

NX35 Passive Loudspeaker

The 350-watt NX35 uses a premium high-powered and highly efficient Neodymium 12-inch woofer. The 80° x 50° horn design, patterned after the custom Waveguide horn technology used in Yorkville's popular élite loudspeaker line is used in the NX35. An improved dual bulb CTL™ protection circuit is now used to protect the aluminum diaphragm neodymium magnetic high frequency horn driver.

Integrated bar handles and stand mount adaptors make the lightweight NX35 loudspeaker the ideal highly mobile live or DJ PA box. Integrated 1/4-20 flypoints and optional flyware assemblies ensure the NX35 can be easily adapted to any installation.

NX300 Passive Loudspeaker

The 300-watt NX300 is the most cost effective passive 15-inch and horn injection-molded loudspeaker available in the NX Series. Ideal for virtually any PA application, the unique trapezoidal shape employed on the NX300 allows the cabinet to be used as effectively as a monitor or front-of-house loudspeaker. The cabinet shape makes it ideal for mounting in tight arrays, or in multiple cabinet clusters.

The rotatable 80° x 50° horn custom ABS waveguide horn used in the NX300 allows this loudspeaker to be flown either horizontally or vertically, or close to walls and ceilings making an ideal fill cabinet for installations. Integrated flypoints in the NX300 ensure this injection-molded loudspeaker can be easily adapted for installation without modification to the cabinet. Rugged bar handles and an integrated standmount adaptor ensure maximum mobility and easy set-up in any live PA application.



NX600 Passive Loudspeaker

The NX600 is the highest-powered passive cabinet in the series. Loaded with a Neodymium 15-inch woofer and horn, this 600-watt passive box is manufactured using a new injection molded technology and features a rotatable 80° x 50° horn patterned after the custom Waveguide horn used in our popular élite loudspeaker line.

The unique trapezoidal shape employed on the NX600 allows the cabinet to be used as a monitor or front-of-house loudspeaker and makes it ideal for mounting in tight arrays, or in multiple cabinet clusters. The NX600 easily handles 600 watts with its Neodymium 15-inch woofer and 1.5-inch polyester high frequency driver.

The NX600 uses Yorkville's proven PTC™ (Positive Temperature Coefficient) protection on the high frequency compression driver. PTC™ is an ingenious current sensing / self-resetting breaker that offers some serious advantages over current protection schemes used in many loudspeaker cabinets.

Where PTC™ shines is in heavy feedback environments where most horn diaphragm damage occurs. PTC™ will significantly reduce output level to the horn to protect the diaphragm. When the situation has been rectified, and the feedback eliminated, the horn will return to full operating level within half a second.



NX25P Active Loudspeaker

The new NX25P offers the best value in a 12-inch and horn active molded loudspeaker cabinet. The enclosure is the same proven design as the NX35 passive loudspeaker and uses the same rugged and reliable speaker components. The bi-amplified 200-watt power module has a minimum of controls yet provides maximum versatility making the NX25P the ideal solution for many applications.

A three band EQ, XLR balanced microphone input as well as an XLR / TRS 1/4-inch balanced combi-jack line input on the power module means the NX25P can be easily connected to any source and quickly EQ balanced for the room. An XLR balanced line output allows multiple NX25P's to be linked together for use in an array or for easy distribution around a large room when used as repeater cabinets.

Integrated bar handles, 1/4-20 flypoints and integrated stand mount adaptor, as well as combi-jack inputs ensure the NX25P can be easily integrated into any live or DJ PA set up, or adapted to any installation with optional NX Series flyware.



NX55P Active Loudspeaker

The new NX55P active speaker enclosure uses a combination of amplifier technologies to create the best combination of lightweight enclosure and high quality sound. The combination of neodymium woofer magnetics, lightweight Polypropylene construction and high tech amplifier technology create a loudspeaker that has remarkable performance in a lightweight package.

The 550-watt bi-amplified NX55P uses a two-tier class H linear technology for high frequencies, allowing the horn to produce loud clean transients to keep up with the high output of the woofer. The two-tier amplifier technology is a lower weight, more efficient amplifier with higher headroom and lower operating temperature, and a perfect solution for powering the top end. The woofer or low frequency amplifier uses Class D switching technology to reduce overall weight of the amplifier section, and deliver maximum power to the 12-inch neodymium woofer.

The NX55P can easily be used in any orientation, and close to walls, floors and in close arrays with multiple cabinets. Particular care was taken designing the components to reduce extraneous heat production.

The NX55P has a versatile direct input system and built-in mixer. The mixer allows the loudspeaker to be used directly with a microphone and / or line source. The loop output allows additional active cabinets to be driven from one cabinet's mixer stage, or a series of cabinets to be driven from one source. The NX55P has user defeatable 100Hz high pass filters that allow either cabinet to be used more efficiently with any Yorkville active subwoofer.

Integrated bar handles, 1/4-20 flypoints and integrated stand mount adaptor, as well as 1/4-inch TRS and XLR inputs ensure the NX55P can be easily integrated into any live or DJ PA set up, or adapted to any installation with optional NX Series flyware.



NX750P Active Loudspeaker



The NX750P is the culmination of all of Yorkville's research and development of molded technology to this point in time. The injection molded loudspeaker enclosure is loaded with a high performance 15-inch neodymium woofer and an 80° x 50° rotatable custom Waveguide horn.

It delivers 750 watts and uses the same combination of amplifier technologies that have already been proven in Yorkville active loudspeakers. The horn amplifier uses a two-tier class H linear technology, allowing the horn to produce loud clean transients to keep up with the high output of the woofer. The two-tier amplifier technology is a lower weight, more efficient amplifier with higher headroom and lower operating temperature. It is a perfect solution for powering the top end.

A newly designed switching amplifier drives the bottom end or woofer in the NX750P. The woofer or low frequency amplifier uses Class D switching technology to reduce overall weight of the amplifier section. This technology is similar to the power supply found in the Yorkville A4.4 power amplifier, the EF500P active enclosure and MicroMix M8 powered mixer.

Like the NX55P, careful consideration was taken in the design process to ensure the NX750P can easily be used in any orientation, close to walls, floors, and in close arrays with multiple cabinets. Particular care was taken designing the components to reduce extraneous heat production.

The NX750P has a versatile direct input system and built-in mixer. The mixer allows the loudspeaker to be used directly with a microphone and / or line source. The loop output allows additional active cabinets to be driven from one cabinet's mixer stage, or a series of cabinets to be driven from one source. If desired, multiple NX750P's can be combined using the mixer inputs on each cabinet and coupling the loop outputs. This way you would have the ideal presentation system with two microphone inputs and two line inputs without any additional mixer.

The microphone input has equalization and high pass filtering appropriate for vocal applications. The trim control allows looped cabinets to be individually adjusted in level. The NX750P has user defeatable 100Hz high pass filters to allow the cabinet to be used more efficiently with any Yorkville active subwoofer.





CX80

Passive Loudspeaker Cabinet

The CX80 is a 'live PA' version of the popular Coliseum C170 installation loudspeaker. Designed to be one of the most economical loudspeakers in the Yorkville line, the CX80 delivers 100 watts of continuous power and boasts a frequency response of 60Hz to 20kHz with a maximum SPL of 113dB. The 8-ohm 8-inch woofer and tweeter package are loaded into a rugged injection molded plastic cabinet with an integrated speaker

stand mount, and has been equipped with two 1/4-inch and one Speakon input connector.

Compact and lightweight design makes the CX80 the perfect companion for the M8 powered mixer in the M8P1 prepackaged PA system solution.



CX80P

Active Loudspeaker Cabinet

The Yorkville CX80P is the ideal compact active cabinet for small PA applications where maximum mobility, reliability and high quality loudspeaker performance is required from an unobtrusive, highly portable easy to speaker solution.

Designed for mobility, the CX80P's cabinet is made from a rugged ABS plastic, and features an integrated standard

1 3/8-inch loudspeaker standmount adaptor. The power amplifier module delivers 100-watts to the CX80P's 8-inch driver and 1-inch mylar tweeter. A 1/4-inch TRS balanced line input for direct connectivity to any source, as well as an auxiliary thru-put for connecting multiple CX80P's together for larger applications. Controls on the power module include Gain, Volume and Tone, with switchable mic/line input sensitivity.



The CX80P is perfectly suited to applications where additional compact and unobtrusive cabinets need to be added to a larger system for even sound distribution and can easily be used as delayed repeater cabinets in large halls. The CX80P can operate at either 115V/230V voltage, making it the ideal solution for highly mobile PA applications, demonstration stations or mobile presentation and public address systems.

NX Series Specifications:

Model	CX80	CX80P
SYSTEM TYPE	Passive 2-Way	Active 2-Way
PROGRAM POWER (watts)	100	100
IMPEADANCE (ohms)	8	8
FREQ. RESPONSE (Hz +/- 3dB)	60 - 20000	60 - 20000
SENSITIVITY (dB@1W/1m)	93	93
MAXIMUM SPL (dB)	113	113
X-OVER FREQUENCY (Hz)	2500	2500
LF DRIVER(S)	8-inch	8-inch
HF HORN	1-inch Mylar Tweeter	1-inch Mylar Tweeter
HF DRIVER	1-inch Mylar	1-inch Mylar
CONSTRUCTION	Injection Molded	Injection Molded
STOCK FINISH	Black	Black
GRILLE	Perforated Metal	Perforated Metal
INPUTS	2 x 1/4-inch / 1x Speakon™	2 x 1/4-inch (Input/Aux Out)
MIXER / CONTROLS		Mic/Line Sensitivity Switch Gain / Tone/Volume
STAND MOUNT ADAPTOR	Yes	Yes
DIMENSIONS (DxWxHxBW inches)	11.25 x 9.75 x 16.25 x 9.5	11.25 x 9.75 x 16.25 x 9.5
DIMENSIONS (DxWxHxBW cm)	29 x 25 x 42 x 24	29 x 25 x 42 x 24
WEIGHT (lbs / kg)	14.5 / 6.6	18.7 / 8.5

NX200S

Active Subwoofer

The NX200s is an ultra-compact, high efficiency powered subwoofer that features a single 10-inch speaker and a built in 200-watt power module. The precisely tuned band-pass enclosure of the NX200s provides rock-solid low frequency output previously available only from much larger cabinets. In fact, the unique combination of high-excursion woofers, electronic control and proprietary, series-loaded box design results in higher acoustic output than many single 18-inch enclosures which are 30-50% larger!

Yorkville's powered NX Series subwoofers reflect the synergistic advantage of integrating electronic and acoustic elements into one attractive package that is very versatile, transportable and, above all - great sounding! These enclosures offer the ultimate in 'plug and play' convenience while maximizing sonic performance. Advanced sensing circuitry offers sonically transparent limiting and thermal driver protection for maximum reliability.

Designed for the NX system the NX200S performs remarkably well with the NX35 or NX25P loudspeaker enclosures. It is also one of the first products Yorkville has released in the new Ultrathane finish.



NX200S Specifications:

SYSTEM TYPE	Active Band Pass Subwoofer
PROGRAM POWER (watts)	200
FREQ. RESPONSE (Hz +/- 3dB)	50 - 110
MAXIMUM SPL (dB)	125
LF DRIVER(S)	10"
LF PROTECTION	Thermal / Overcurrent / Clip
CONSTRUCTION	15mm 11-ply Birch
FINISH	Black Ultrathane
GRILLE	Perforated Metal
INPUTS (1/4" / XLR)	2 / none
MIXER CONTROLS	Line Source Gain Speaker / Line Level Input
LOOP IN / OUTPUTS	1/4" TRS balanced (x2)
HANDLES	1 Side Bar
STAND MOUNT ADAPTOR	Yes Top
DIMENSIONS (DxWxHxBW inches)	27 x 17.5 x 14
DIMENSIONS (DxWxHxBW cm)	69 x 44 x 36
WEIGHT	57 / 25.9

NX Series Flying Hardware

The NXF flyware is a unique and versatile U-bracket system that attaches to the integrated flypoints on NX cabinets for a safe and secure installation. There are NXF flyware systems available for all NX enclosures including all versions of the passive and active loudspeakers. Once mounted, the cabinets can be flown at almost any angle with a standard shackle and cable system. In addition, the cabinet can be angled up to 30 degrees left or right across the horizontal plane within the NXF U-bracket.

For wall-mounted installations, the NXF flyware bracket can be attached to an optional wall-mount bracket. This bracket can angle the NX cabinet forward up to 30 degrees and be securely attached to any wall or pillar.

Flying an array of NX cabinets with ideal spacing between boxes is possible by joining multiple NXF U-Brackets and their mounted cabinets together with a simple arraying adaptor. This allows simple installation or flying from two loudspeaker box arrays to full six cabinet circular arrays.

Multiple flypoints on each bracket ensure the rig can be flown at virtually any angle and secured to the truss or roofing system with any of the typical flyware currently available.

NXF Flyware for NX35, NX25P, NX55P

NXF35U - Steel U-Bracket flying assembly

NXF35W - Wall Mounting Bracket (to attach NXF35U assembly to wall or pillar)

NXF35A - Array Link Assembly (to properly array NXF35U flying assemblies - sold in pairs)

NXF Flyware for NX300, NX600, NX750P

NXF600U - Steel U-Bracket flying assembly

NXF600W - Wall Mounting Bracket (to attach NXF35U assembly to wall or pillar)

NXF600A - Array Link Assembly (to properly array NXF600U flying assemblies - sold in pairs)



The ideal center cluster array as shown (above) is easily assembled using three NXF35U brackets, and two pairs of NXF35A array adaptors. (Shackles and cable not included.)

NX Passive Series Specifications:

Model	NX35	NX300	NX600
SYSTEM TYPE	Passive 2-Way	Passive 2-Way	Passive 2-Way
PROGRAM POWER (watts)	350	250	600
IMPEDANCE (ohms)	8	8	8
FREQ. RESPONSE (Hz +/- 3dB)	60 - 18000	70 - 18000	60 - 20000
SENSITIVITY (dB@1W/1m)	100	97	98
MAXIMUM SPL (dB)	125	121	126
X-OVER FREQUENCY (Hz)	2000	2000	1300
LF DRIVER(S)	12" Neodymium	12" Ceramic	15" Neodymium 3" voicecoil
HF HORN	Molded Composite	Molded Composite	Injected Molded Waveguide
HF DRIVER	1" Aluminum	1" Aluminum	1.5" Polyester
HF HORN THROAT DIAMETER	1"	1"	1"
HF DISPERSION (H° x V°)	80 X 50	80 x 50	80 x 50 Rotatable
HF PROTECTION	Dual Bulb CTL™	Dual Bulb CTL™	PTC™
LF PROTECTION	-	-	-
CONSTRUCTION	Molded Composite	Molded Composite	Injection Molded
GRILLE	Perforated Metal	Perforated Metal	Perforated Metal
INPUTS	2 x 1/4" / 1x Speakon™	2 x 1/4" / 1x Speakon™	2 x 1/4" / 1x Speakon™
MIXER / CONTROLS			
LOOP IN / OUTPUTS			
HANDLES	1 x Side Bar	1 x Side Bar	1 x Side Bar
FLYWARE TYPE / QUANTITY	1/4-20 x 5	1/4-20 x 5	1/4-20 x 5
FLYWARE LOCATIONS	2 Top / 1 Back / 1 Bottom	2 Top / 1 Bottom	2 Top / 2 Back / 1 Bottom
OPTIONAL ACCESSORIES	NXF Brackets	NXF Brackets	NXF Brackets
STAND MOUNT ADAPTOR	Yes	Yes	Yes
DIMENSIONS (DxWxHxBW inches)	12.25 x 13.5 x 26.25 x 8.5	12.25 x 13.5 x 26.25 x 8.5	32 x 22 x 15 x 9.5
DIMENSIONS (DxWxHxBW cm)	31 x 34.25 x 66.5 x 21.5	31 x 34.25 x 66.5 x 21.5	84 x 56 x 38 x 24
WEIGHT (lbs / kg)	29 / 13	33 / 15	44 / 20

NX Active Series Specifications:

Model	NX25P	NX55P	NX750P
SYSTEM TYPE	Active 2-Way Bi-Amplified	Active 2-Way Bi-Amplified	Active 2-Way Bi-Amplified
PROGRAM POWER (watts)	180 (LF) / 20 (HF)	450 LF + 100 HF	650 LF + 100 HF
IMPEDANCE (ohms)	-	-	-
FREQ. RESPONSE (Hz +/- 3dB)	70 - 18000	45 - 18000	50 - 26000
SENSITIVITY (dB@1W/1m)	-	-	-
MAXIMUM SPL (dB)	120	125	126
X-OVER FREQUENCY (Hz)	2000	2000	1300
LF DRIVER(S)	12" Ceramic	12" Neodymium	15" Neodymium 3" voicecoil
HF HORN	Molded Composite	Molded Composite	Injected Molded Waveguide
HF DRIVER	1" Aluminum w/ Neodymium	1" Aluminum	1.5" Polyester
HF HORN THROAT DIAMETER	1"	1"	1"
HF DISPERSION (H° x V°)	80 x 50	80 x 50	80 x 50 Rotatable
HF PROTECTION	Peak Limiter	Thermal / Peak Limiter	Thermal/Peak Limiter
LF PROTECTION	Peak Limiter	Thermal / Overcurrent	Thermal/Overcurrent
CONSTRUCTION	Molded Composite	Molded Composite	Injection Molded
GRILLE	Perforated Metal	Perforated Metal	Perforated Metal
INPUTS	Combi-jack 1/4" TRS / XLR-F Line	XLR-F (mic) 1/4" TRS balanced (x2)	XLR-F (mic) / 1/4" TRS x 2
	XLR-F Microphone Input	Mic/Line Gain / 2-Band EQ	Mic/Line Gain / 2-Band EQ
	Microphone Gain / Line Input Gain	+/- 6 dB Input Trim Control	+/- 6 dB Input Trim Control
	Bass / Mid / Treble Control	Subwoofer Tuning / Selection Switch	Subwoofer Tuning / Selection Switch
	1 x XLR-M	XLR-M / XLR-F 1/4" TRS balanced (x2)	XLR-M / XLR-F 1/4" TRS x 2
	1 x Side Bar	1 x Side Bar	1 x Side Bar
	1/4-20 x 5	1/4-20 x 5	1/4-20 x 5
	2 Top / 1 Back / 2 Bottom	2 Top / 1 Bottom	2 Top / 2 Back / 1 Bottom
	NXF Brackets	NXF Brackets	NXF Brackets
	Yes	Yes	Yes
DIMENSIONS (DxWxHxBW inches)	12.25 x 13.5 x 26.25 x 8.5	12.25 x 13.5 x 26.25 x 8.5	32 x 22 x 15 x 9.5
DIMENSIONS (DxWxHxBW cm)	31 x 34.25 x 66.5 x 21.5	31 x 34.25 x 66.5 x 21.5	84 x 56 x 38 x 24
WEIGHT (lbs / kg)	42 / 19	47 / 21.4	62 / 28

YX Series

Loudspeakers

The YX Series delivers maximum performance in the most cost effective loudspeaker line ever offered by Yorkville Sound. Engineered in North America, the YX Series benefits from Yorkville's forty plus years of PA enclosure design experience in the creation of these high performance general purpose loudspeaker enclosures.

The YX Series cabinets use injection molded 90 x 30 degree horns with 1-inch throat and 1.4-inch Celestion neodymium compression drivers. Yorkville's tried and true dual-bulb CTL™ protection system protects the horn driver's aluminum diaphragm ensuring unmatched reliability in the field. These cabinets are built road-ready with easy-to-clean, durable black carpet covering, solid internal plywood bracing and reinforced internal component mounts.

Designed with working musicians in mind, the YX Series offers rugged 5/8-inch plywood cabinet construction, all-metal bar handles, metal input plate, integrated speaker mounts and a custom punched, perforated metal grille to protect the speaker components. A modified trapezoidal shape (YX10, YX12, YX15 and YX15P) ensures the YX Series can function equally as well as a front-of-house or monitor speaker.



YX10, YX12 and YX15

The modified trapezoidal shape of the passive YX10, 12 and 15 cabinets ensure they can work in any application including as a front-of-house cabinet, or monitor speaker. Dual bulb CTL™ circuit protection protects the 1.4-inch aluminum diaphragm horn drivers to ensure the YX cabinets' high frequency horn will continue to function, without damage, during typical overload conditions.

All YX cabinets offer professional features, from the most compact cabinet in the line to the full 600-watt dual 15-inch loaded loudspeaker. Metal bar handles, integrated stand mounts, full metal grille and metal input plate (with 1/4-inch and Speakon™ inputs) as well as an injection molded 90 x 30 degree horns are featured on all cabinets in the YX line, including the 10-inch and horn YX10, the 12-inch loaded YX12 or the highly effective 15-inch / 1-inch YX15.

YX215

The largest full-range cabinet in the YX Series, the 600-watt dual 15-inch loaded YX215 is the ideal loudspeaker for larger live PA applications or mobile DJ systems. Built for use at higher volumes, the solid plywood cabinet construction and rugged internal bracing ensures the YX215 will enjoy a long rattle-free life. Integrated bar handles and wheels ensure maximum portability for this large format YX Series loudspeaker box.

YX18S Passive Subwoofer

The passive YX18S uses the tried and true vented 18-inch front loaded bass reflex subwoofer design. The internal passive crossover allows the 600-watt YX18S to be added to any system without additional external processing. Solid plywood cabinet construction ensures the YX18S will remain rattle and buzz-free at the high volumes a subwoofer must endure. Integrated pole mount adaptor allows full range loudspeakers like the YX15 or YX15P to be raised above the crowd easily and effectively with a simple subwoofer speaker-mount like the SW-tube.



YX18S

YX15P

Active Full-Range Loudspeaker

The Active 200-watt YX15P offers the same highly effective modified trapezoidal shape as the passive 15-inch / 1-inch loaded YX15, making it ideal for front-of-house applications or for use as the ideal active monitor. This active loudspeaker will also function as the ideal 'repeater' cabinet in more complex systems where additional cabinets are required to effectively distribute sound around a large room.



XLR balanced microphone input as well as an XLR / 1/4-inch TRS balanced combi-jack line input on the power module means the YX15P can be easily connected to any source. A highly effective three-band EQ means the YX15P can be easily balanced for the room, ensuring simple system set-up. The XLR balanced line output allows multiple YX15P's to be linked together quickly and easily.

The YX15's horn amplifier uses a proven two-tier class A/B technology, allowing it to produce loud clean transients and extremely sharp sibilants. The woofer or low frequency amplifier uses an extremely efficient class-H two-tier amplifier technology that provides high headroom at a lower operating temperature, making it the ideal lightweight amplification solution to drive the YX15P's 15-inch woofer.

The rugged and reliable YX15P uses a full plywood cabinet construction, integrated stand mount adaptor, metal bar handles, a full metal amplifier chassis and all-metal grille to protect the speaker and amplifier components.

YX Series Specifications:

MODEL	YX15P
SYSTEM TYPE	2-Way
ACTIVE OR PASSIVE	Active
PROGRAM POWER (Watts)	200
BIAMPABLE	YES
SENSITIVITY (dB @1Watt/1m)	99
MAX SPL (dB)	122
FREQUENCY RESPONSE (Hz +/- 3db)	60 - 20k
CROSSOVER FREQUENCY (Hz)	1800
HF DRIVER(S)	1.4 inch Aluminum (1-inch Throat)
HF HORN	Injection Molded ABS
HF DISPERSION (°H x °V)	90 x 40
HF PROTECTION	-
LF DRIVER(S)	15-inch Ceramic
LF PROGRAM POWER(WATTS)	200
INPUTS - 1/4" JACKS	2
INPUTS - SPEAKON 4-PIN	2
CORNERS	Metal
FEET	Plastic Glides
BAR HANDLES	2 (Sides)
POLE MOUNT ADAPTER (1 3/8"-3.5cm)	Yes
ENCLOSURE MATERIALS	15mm (5/8inch) Plywood
GRILLE	Custom Punched Black Perforated Metal
COVERING / FINISH	Black Ozite
DIMENSIONS (DWH xbackW, inches)	15.5 x 19.25 x 27.5 x 7.5
DIMENSIONS (DWH xbackW, cm)	39.4 x 48.9 x 69.9 x 19
WEIGHT (lbs/kg)	51 / 23.1



YX Series Specifications:

MODEL	YX10	YX12	YX15	YX215	YX18S
SYSTEM TYPE	2-Way	2-Way	2-Way	2-Way	2-Way
ACTIVE OR PASSIVE	Passive	Passive	Passive	Passive	Passive
PROGRAM POWER (Watts)	150	200	300	600	400
NOMINAL IMPEDANCE (Ohms)	8	8	8	4	6
SENSITIVITY (dB @1Watt/1m)	97	99	99	99	98
MAX SPL (dB)	118.7	122	123.7	126.7	124
FREQUENCY RESPONSE (Hz +/- 3db)	70 - 20k	65 - 20k	60 - 20k	55 - 20k	45 - 150
CROSSOVER FREQUENCY (Hz)	2000	1800	1800	1800	1800
HF DRIVER(S)	1.4 inch Aluminum (1-inch Throat)	1.4 inch Aluminum (1-inch Throat)	1.4 inch Aluminum (1 inch Throat)	1.4 inch Aluminum (1 inch Throat)	-
HF HORN	Injection Molded ABS	Injection Molded ABS	Injection Molded ABS	Injection Molded ABS	-
HF DISPERSION (°H x °V)	100 x 30	90 x 40	90 x 40	90 x 40	-
HF PROTECTION	Dual Bulb	Dual Bulb	Dual Bulb	Dual Bulb	-
LF DRIVER(S)	10-inch Ceramic	12-inch Ceramic	15-inch Ceramic	15-inch Ceramic	18-inch Ceramic
INPUTS - 1/4" JACKS	2	2	2	2	2
INPUTS - SPEAKON 4-PIN	2	2	2	2	2
CORNERS	Metal	Metal	Metal	Metal	Metal
WHEELS	No	No	No	2	No
BAR HANDLES	1 (Side)	2 (Side)	2 (Side)	2 (Side) / 1 (Top)	2 (Side)
POLE MOUNT ADAPTER (1 3/8"-3.5cm)	Yes	Yes	Yes	Yes	Yes
ENCLOSURE MATERIALS	15mm (5/8inch) Plywood	15mm (5/8inch) Plywood	15mm (5/8inch) Plywood	15mm (5/8inch) Plywood	15mm (5/8inch) Plywood
GRILLE	Custom Punched Black Perforated Metal	Custom Punched Black Perforated Metal	Custom Punched Black Perforated Metal	Custom Punched Black Perforated Metal	Custom Punched Black Perforated Metal
COVERING / FINISH	Black Ozite	Black Ozite	Black Ozite	Black Ozite	Black Ozite
Dimensions (DWH xbackW, inches)	12 x 13.5 x 19 x 5.75	13.75 x 18 x 25.5 x 8.5	15.5 x 19.25 x 27.5 x 7.5	21.25 x 19.25 x 42 x 12	26 x 22 x 25
Dimensions (DWH xbackW, cm)	30.5 x 34.3 x 48.3 x 14.6	34.9 x 45.7 x 64.8 x 21.6	39.4 x 48.9 x 69.9 x 19	54 x 48.9 x 106.7 x 30.5	66 x 55.9 x 63.5
Weight (lbs/kg)	24 / 10.9	37 / 16.8	45 / 20.4	78 / 35.4	74 / 33.6

Pulse Series Loudspeakers

Designed to deliver maximum performance at a mid-level price point, the Pulse line uses premium compression drivers, redesigned proprietary woofers and carefully tuned speaker enclosures to deliver clarity and fierce bottom end.

A highly practical black Ozite (carpet) covering the 15mm 11-ply birch plywood cabinet construction ensures these cabinets are built to last a lifetime on the road or in a nightclub.

- Recessed metal jack plates with Speakon™ and 1/4-inch inputs
- Anti-resonant, dent resistant curved metal grilles
- Affordable, arrayable trapezoidal cabinets
- Custom designed ABS Waveguide horns
- 15mm 11-ply Birch construction
- Flush-mounted handles



TL8C

This ultra compact 150-watt loudspeaker is the smallest cabinet in the Pulse line. Loaded with an 8-inch Speaker and 1-inch High Frequency driver and a 90° x 30° horn. This could be the ideal box for announcement PA, background playback or conference PA. CTL™ Component Protection ensures years of trouble free operation. Recessed Standmount Adaptor and 1/4-inch Phone Inputs are standard.



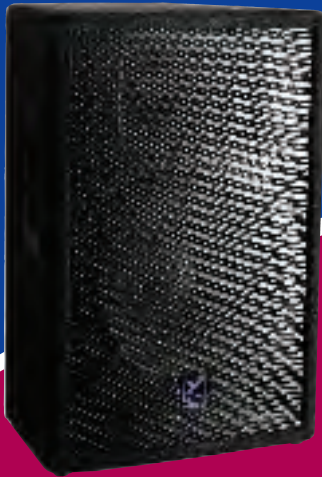
TL10C

This compact 200-watt 10-inch Speaker and 1-inch loudspeaker has CTL™ Component Protection and recessed standmount adaptor. Loaded with a 10-inch Speaker and 1-inch High Frequency driver, this 200-watt loudspeaker uses the reliable CTL™ Component Protection. Recessed Standmount Adaptor, 1/4-inch Phone and Speakon™ inputs makes sure the TL10C can be easily connected and rigged in mobile systems.



TL12C

Enough power and low frequency response to hold it's own on club dates and small DJ applications, the 12-inch / 1-inch 250-watt TL12C comes with 90° x 30° horn and proven CTL Component Protection. Strap handle and standmount adaptor make the TL12C easy to move and to rig for mobile systems. 1/4-inch Phone and Speakon Inputs ensure quick and versatile connectivity.



TL315C

The TL315C is a 400-watt three-way 15-inch / 1-inch / tweeter loudspeaker made for live sound reinforcement. With improved 90° x 30° mid and high frequency projection this cabinet may be the ideal vocal projector / live music cabinet. The single 15-inch woofer delivers enough bottom end for most applications where a smaller box can't do the entire job, while Yorkville's proven PTC™ circuit protects the TL315C's high frequency components. Integrated recessed standmount adaptor, and all metal bar handles ensure maximum mobility and easy setup. 1/4-inch and Speakon™ inputs ensure the TL315C can be connected to any amplifier source.



TL3215C

Where still more power and bottom end response is required, the TL3215C delivers. Equipped with dual 15" drivers, 1-inch titanium HF driver and two piezo tweeters the TL3215C is a full range, high SPL loudspeaker ideal for situations where maximum volume is required, but carrying additional subwoofers may not be the ideal solution. Although this is not a small loudspeaker, recessed bar handles and integrated wheels make for maximum portability for a cabinet of it's size.



TL3252C

The 1000-watt dual 15-inch / 2-inch TL3252C is the loudest cabinet in the Pulse line. The 60° x 40° two inch horn provides maximum clarity and projection, making this an ideal live music loudspeaker for high volume, high SPL applications. The TL3252C is bi-ampable for the pro user, and features proven PTC high frequency protection. This is the ideal Pulse cabinet for large club installations, especially when paired with the Pulse TS18C subwoofer. Recessed bar handles and integrated wheels make for maximum portability for a cabinet of the TL3252C's stature.

Pulse Series



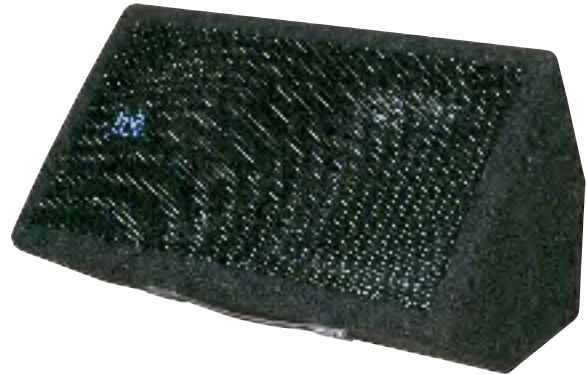
TL352

Live sound, higher SPL and maximum projection is what the Pulse TL352 loudspeaker does best. Custom heavy-duty woofers, zoned conical wave-guide horns with 2" titanium drivers and tweeters really deliver for those in need of some extreme sound. The TL352 is bi-ampable for the pro and semi-pro user. Available in black Ultrathane painted finish only the TL352 is ideal for touring rig club system install where a carpet covering may not be the preferred finish.

Pulse Monitors

TM12C

A unique cabinet shape makes the 250-watt TM12C a natural for use as a wedge monitor, yet the overall design, with recessed handles and recessed input jack plate means it can be easily used vertically as a front of house loudspeaker as well. The unique 65 x 60 degree horn means the TM12C can operate equally as well in either cabinet orientation. Yorkville's proven CTL™ circuitry protects the TM12C's high frequency components.



Pulse Subwoofers

TS18C Passive Subwoofer

The TS18C is the only subwoofer in the Pulse line with an internal passive band pass filter. Bi-amping is of course an option, but not a necessity due to an this ingenious 150Hz low-pass network. With power handling of 350 W, the TS18C may be used independently or in parallel with any full range loudspeaker cabinet. A single, custom designed cast frame 18" speaker assures tight control and excellent linear response.

Pulse Series Specifications:

Model	TL8C	TL10C	TL12C	TL315C	TL3215C	TL3252C	TM12C	TS18C
SYSTEM TYPE	Passive 2-Way	Passive 2-Way	Passive 2-Way	Passive 3-Way	Passive 3-Way	Passive 2-Way	Passive 2-Way	Passive Subwoofer
PROGRAM POWER (watts)	150	200	250	400	600	1000	250	350
IMPEDANCE (ohms)	8	8	8	8	4	4	8	8
FREQ. RESPONSE (Hz +/-3dB)	65 - 18k	60 - 18k	55 - 18k	50 - 18k	45 - 18k	45 - 16k	60 - 18k	50 - 150
SENSITIVITY (dB @1W/1m)	95	98	98	100	100	99	98	100
MAXIMUM SPL (dB)	117	121	122	126	128	129	122	125
X-OVER FREQUENCY (Hz)	2100	2500	2200	2100 / 8000	2200 / 10000	1800	2400	-
LF DRIVER(S)	8"	10"	12"	15" (3" Voicecoil)	2 x 15" (2.5" Voicecoil)	2 x 15" (3" Voicecoil)	12"	18" (3" Voicecoil)
HF HORN	Waveguide	Waveguide	Waveguide	Waveguide	Waveguide	Waveguide	Waveguide	-
HF DRIVER	1" Mylar	1" Mylar	1" Mylar	2" Titanium	2" Titanium	3" Titanium	1" Mylar	-
HF HORN THROAT DIAMETER	1"	1"	1"	1"	1"	1.5"	1"	-
HF DISPERSION (H° x V°)	90 x 30	90 x 30	90 x 30	90 x 30	90 x 40	60 x 40	65 x 60	-
TWEETER	-	-	-	Piezo Tweeter	2 x Piezo Tweeter	-	-	-
HF PROTECTION	CTL™	CTL™	CTL™	PTC™	PTC™	PTC™	CTL™	-
BI-AMPABLE	No	No	No	No	Yes	Yes	No	-
CONSTRUCTION	15mm 11-ply Birch	15mm 11-ply Birch	15mm 11-ply Birch	15mm 11-ply Birch	15mm 11-ply Birch	15mm 11-ply Birch	15mm 11-ply Birch	15mm 11-ply Birch
STOCK FINISH	Black Carpet (TL8C)	Black Carpet (TL10C)	Black Carpet (TL12C)	Black Carpet (TL315C)	Black Carpet (TL3215C)	Black Carpet (TL3252C)	Black Carpet (TM12C)	Black Carpet (TS18C)
GRILLE	Perforated Metal	Perforated Metal	Perforated Metal	Perforated Metal	Perforated Metal	Perforated Metal	Perforated Metal	Perforated Metal
INPUTS (1/4" / Speakon™)	2 / none	2 / 1	2 / 1	2 / 1	2 / 2	2 / 2	2 / 1	2 / 1
HANDLES	1 Strap	1 Strap	1 Strap	2 Side Bar	1 Corner Bar	1 Corner Bar	1 Strap	2 Side Bar
STAND MOUNT ADAPTOR	Yes	Yes	Yes	Yes	No	No	Yes	Yes Top
WHEELS	-	-	-	-	Yes	Yes	-	-
DIMENSIONS (DxWxHxBW inches)	23 x 16 x 13.5 x 8	12 x 16 x 19.5 x 10	13 x 17 x 24 x 11	15 x 20 x 29 x 13	23 x 22 x 41 x 11	19 x 26 x 45 x 18	15 x 15 x 25	21 x 21 x 30
DIMENSIONS (DxWxHxBW cm)	30 x 40 x 34 x 20	31 x 40 x 50 x 25	33 x 43 x 62 x 28	38 x 50 x 73 x 33	57 x 54 x 105 x 26	48 x 66 x 115 x 47	36 x 38 x 64	55 x 55 x 70
WEIGHT (lbs / kg)	25 / 11.4	31 / 14	42 / 19.1	63 / 28.6	108 / 49	140 / 56	40 / 18	81 x 37

Adrenalin Series

The Adrenalin Series has been designed from the ground up to be the ideal club system loudspeaker solution. Tuned specifically to excel when reproducing pre-recorded source material, the Adrenalin Series of loudspeakers and subwoofers delivers maximum performance from cabinets built with full system mobility in mind.

A proprietary 90° x 60° multi-flare ABS horn assembly has been designed with the specific sonic characteristics of playback music in mind. Bone crushing low frequency SPL can be felt and heard thanks to the long excursion, heavy-duty, ceramic magnet drivers, with more than enough power handling to rattle the walls of any nightclub, rave, wedding or even the most rocking of house parties.

An internal crossover network allows the entire system to be powered by a single power amplifier (like the AudioPro AP4040) with one simple hook up, and without any additional signal processing. Adrenalin series cabinets are designed to be the ultimate in 'Plug-And-Play' simplicity.

All cabinets in the Adrenalin line are manufactured from solid 15mm birch plywood. Experience has taught us that the MDF (medium density fiberboard) or particleboard often used in competitive loudspeakers isn't necessarily the best solution for cabinet durability or a long rattle free life in high-powered club system cabinets.

Speakon™ and 1/4-inch input connections are provided to ensure convenient connectivity, integrated stand mount adaptors, solid bar handles, perforated all metal grilles and a rugged carpet covering ensure maximum mobility and long term reliability for the road or club.



A15 Passive Full Range Cabinet



The A15 is a 400-watt single 15-inch woofer / 1-inch horn loaded loudspeaker specifically designed as a club system cabinet. A proprietary 90° x 60° multi-flare ABS horn assembly with a 1-inch throat diameter has been tuned to handle the specific demands created when reproducing high-volume recorded source material in a club environment. Bone crushing low frequency SPL can be felt and heard thanks to the long excursion, heavy-duty, ceramic magnet 15-inch driver, with more than enough power handling to rattle the walls of any nightclub, rave, wedding or even the most rocking of house parties.

Delivering a punishing 124dB maximum SPL, and employing Yorkville's proven PTC™ high frequency component protection, the A15 is tuned specifically for recorded playback music.

Speakon™ and 1/4-inch input connections are provided to ensure convenient connectivity to any power amp source, integrated stand mount adaptors, solid bar handles, perforated all metal grilles and a rugged Ozite carpet covering ensures maximum mobility and long term reliability for the road or nightclub.

A215S Passive Subwoofer

The A215S is an 800-watt dual 15" bass reflex subwoofer. Bone crushing low frequency SPL can be felt and heard thanks to the two long-excursion, heavy-duty, ceramic magnet 15-inch drivers. With a maximum SPL of 132db there is more than enough power handling to rattle the walls of any nightclub, rave, wedding or even the most rocking of house parties. The A215S subwoofer is tuned specifically for even the deepest low frequency sonic demands of recorded playback music.

An internal low pass filter network in the A215S subwoofer allows both itself and the A15 to be powered by a single power amplifier (like the AudioPro AP4040) with one simple hook up, and without additional crossover or additional expensive amplification. The simplicity of this true 'Plug-And-Play' design makes the Adrenalin Series A15 and A215S an unbeatable one-two punch.

Like all Adrenalin Series cabinets, the A215S subwoofers are manufactured from solid 15mm birch plywood simply because the MDF (medium density fiberboard) or particleboard often used in competitive loudspeakers isn't necessarily the best solution for long rattle free life in high-powered club system subs.

Speakon™ and 1/4-inch input connections are provided to ensure convenient connectivity, integrated stand mount adaptors, solid bar handles, tilt-back handles, integrated wheels, perforated all metal grilles and a rugged Ozite carpet covering ensures maximum mobility and long term reliability for the road or nightclub.

Additionally, the Speakon™ connectors feature a configuration switch which allows instant reversal of Speakon™ jack pin-outs for easy single wire hook-up using optional four wire Speakon™ cables.



Adrenalin Club Series Specifications:

Model	A15	A215S
SYSTEM TYPE	Passive 2-Way	Passive Subwoofer
PROGRAM POWER (watts)	400	800
IMPEDANCE (ohms)	8	8
FREQ. RESPONSE (Hz +/-3dB)	45 - 20k	45 - 150k
SENSITIVITY (dB@1W/1m)	98	103
MAXIMUM SPL (dB)	124	132
X-OVER FREQUENCY (Hz)	2800	1800
LF DRIVER(S)	15"	2 x 15"
HF HORN	Molded ABS	-
HF DRIVER	1" Celestion	-
HF HORN THROAT DIAMETER	1.75"	-
HF DISPERSION (H° x V°)	90 x 60	-
HF PROTECTION	PTC™	-
CONSTRUCTION	15mm 11-ply Birch	15mm 11-ply Birch
STOCK FINISH	Black Carpet	Black Carpet
GRILLE	Half Perforated Metal	Full Perforated Metal
INPUTS (1/4" / Speakon™)	1 / 2	1 / 2
HANDLES	2 Side Bar	2 Side Bar
STAND MOUNT ADAPTOR	Yes	Yes
DIMENSIONS (DxWxHxBW inches)	16.5 x 19.75 x 30.5	23.75 x 19.75 x 34.75
DIMENSIONS (DxWxHxBW cm)	42 x 50 x 77	60 x 50 x 88
WEIGHT (lbs / kg)	66 / 30	99 / 45

Specifications subject to change without notice.

TX Series

No Compromise

World Leader in Pro Audio

For more than 40 years, Yorkville has been a leader in the world of professional audio. Innovation in product design has always been the key to our success, so with the TX Series enclosures, Yorkville set out to change the accepted rules of concert system design. Our goal was to create a group of extremely high quality, high performance products that would meet the needs of system designers in the most demanding of circumstances. We think that you'll agree that we've succeeded.

Leading-Edge Technology

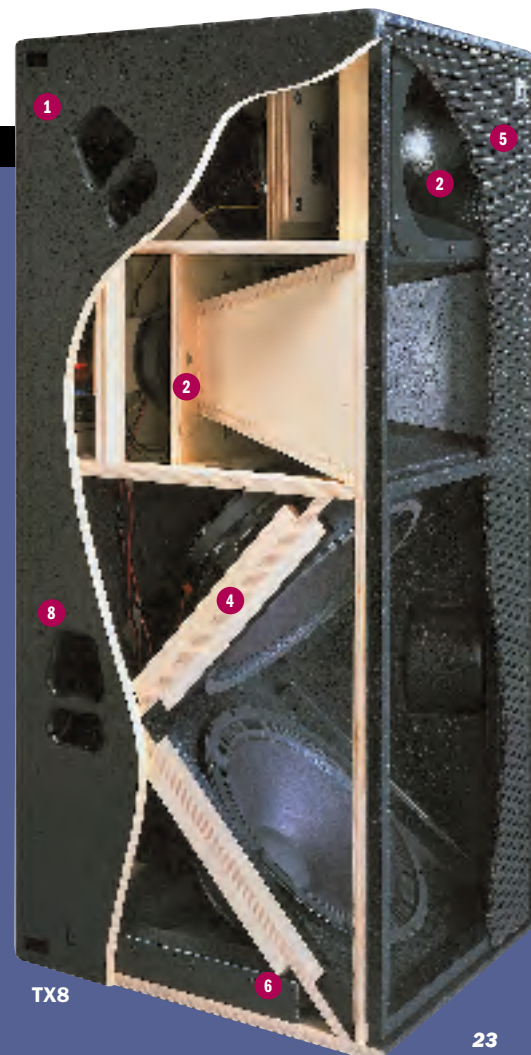
Working with system designers as well as component manufacturers, Yorkville has incorporated leading-edge proprietary technology into the design of the TX Series. In-house design and manufacturing capabilities have enabled us to do exhaustive experimentation with horn design and driver implementation. Close working relationships with industry-leading driver manufacturers have yielded new driver technologies that have been applied using state of the art network and enclosure design techniques.

Synergistic Design

The Synergistic advantages always enjoyed by Yorkville, as a result of our wide product range, have been exploited to yield advanced network designs using a combination of passive and active technologies. All full range boxes incorporate a passive network designed to supplement the active crossover networks, as well as to protect high and mid frequency drivers from accidental exposure to subsonic frequencies. Specific self-calibrating analog processors provide advanced protection circuitry for each system to match and optimize driver performance and amplifier circuitry.

FEATURE CHECKLIST

- 1 High efficiency, compact trapezoidal enclosure designs
- 2 Advanced horn technology for controlled application of leading edge drivers from world-renowned manufacturers
- 3 Ultra-low distortion at extreme sound pressure levels
- 4 Rock solid 13-ply Baltic Birch enclosures with rigid bracing
- 5 Perforated 16 gauge, black painted metal grilles
- 6 Integrated, versatile ATM Fly-Ware™ AMTS series internal bumper and flytrack system and pole mount adaptors (TX4 only)
- 7 Excellent 'flown' performance in accurately formatted arrays with outstanding long distance projection
- 8 Integral, inset carry handles (and casters on the TX9S)
- 9 Consistent box to box production using advanced quality assurance methodology & CAD/CAM technology
- 10 Foolproof protection & crossover networks using dependable and simple-to-use, highly advanced analog signal processors
- 11 Neutrik Speakon™ four or eight-pin interconnects throughout
- 12 Enclosure dimensions configured for optimum truck pack
- 13 Optional, rugged dollies for selected cabinets



TX8



TX4 Full Range

The compact and efficient TX4 features the same 2-inch high frequency driver as the TX8, but is mounted on a slightly shorter horn. The 4-inch voice coil of the proprietary 15-inch woofer provides increased output to keep pace with the efficient 2-inch high frequency driver while ensuring safe operation at high sound pressure levels. The crossover point optimizes the directivity characteristics of the woofer in relation to the HF horn. The result is smooth horizontal coverage and a seamless transition in the midrange. Top and bottom flytrack and fixed eyebolt connections provide flexible, secure and cost effective 'flying' capability.



TX8 Full Range

Dynamic and efficient, the TX8 is a category leader. This seamless three-way enclosure is capable of extremely high output levels with low distortion. The large motor 2-inch high frequency driver utilizes a titanium diaphragm and is mounted on a custom 60° x 40° horn that starts directly at the driver phasing plug, thus eliminating horn throat 'squeeze'. The proprietary ultra-light mass 8-inch midrange driver and waveguide horn combination provide loud, crystal clear reproduction throughout the entire midband. Two low-cone-mass 15-inch woofers are mounted in a 90° manifold horn hybrid resulting in astonishing lowband efficiency. The small footprint Baltic Birch enclosure uses high rigidity bracing and incorporates the extremely versatile top and bottom ATM Fly-Ware™ flytrack and internal bumper system for accurate yet simple 'flying'. (See the cutaway on previous page.)



TX9S Subwoofer

The TX9S is a very high-power, dual 18-inch subwoofer capable of extreme amounts of deep low frequency output. Utilizing a massive magnetic structure with one of the largest top plates available, each TX9S woofer has excursion characteristics that push the limits of the speaker's mechanical system. The use of resonant controlled venting and careful attention to rear output phase correction results in a seamless transition with associated enclosures. Special attention has been paid to the octave to octave balance in the deep low frequency region of the enclosure tuning. When large amounts of cone travel are encountered, the box tuning maximizes the load on the speaker cone to maintain the mechanical stability of the system. Tremendous, high level, 40Hz output results! Handling over two horsepower, the TX9S is a welcome member of the TX family.

TX Flyware

All trapezoidal TX-Series enclosures incorporate the AMTS series of internally braced flying hardware developed by ATM Fly-Ware™. The TX4 is equipped with internal braces (top and bottom) with recessed 3-inch long flytracks as well as 3/8-inch threaded eyelets. This unique combination enables the application of either track fittings or eyebolts for easy, adaptable and secure enclosure suspension.



The TX8 features a specially developed internal-brace module which provides the end user with the quickest, most flexible and most accurate method of configuring large-scale loudspeaker arrays. The track-based AMTS system has the capacity and capability to be arranged as either a vertically-stacked track system or as a rigid, horizontally-arranged modular system via the use of connecting bars that are attached with quick-release pin fasteners. In addition, both formats can be used within the same loudspeaker cluster in order to optimize setup time without compromising the acoustical characteristics of the loudspeaker array.

TX2M Monitor

Vocal clarity, excellent bass response and low profile design makes the TX2M a popular choice for many touring contractors. This extremely loud, compact wedge is specifically designed for use on the floor and can be used with the baffle angled at either 50° or 40° for even more on-stage versatility. The proprietary 12-inch woofer with 3-inch voice coil used in the TX2M, provides extra high output at 80Hz, making the TX2M sound much larger than it appears. Advanced woofer cone technology uses an engineered mixture of cloth to paper to minimize unwanted resonances above the crossover point. The smooth 2-inch high frequency driver is mounted on a vertical format 40° x 60° horn and is combined with the woofer using very steep crossover slopes to minimize floor reflections. Neutrik Speakon™ connectors are provided on both sides of the enclosure for easy, multi-cabinet chaining. The TX2M is available in mirror-image (left or right) versions.



TX Connectors

Neutrik Speakon™ multi-pin connectors make setup and operation a snap. These four and eight-pin connectors feature a positive locking system as well as a large contact area for high current demand. The TX2M and TX4 two-way enclosures include dual Neutrik Speakon™ four-pin connectors, while the TX8 three-way enclosure features dual Neutrik Speakon™ eight-pin connectors as well as a single four-pin connector that can be used to link to the TX9S subwoofer.



TX Processors

Specific analog processors have been engineered for each TX Series system to ensure maximum performance and implementation of a foolproof protection scheme. Single rack-space design, stereo four-way (TX8), stereo three-way (TX4) and quad two-way (TX2M) configurations provide fixed point, high slope active crossovers which integrate with the passive networks in each of the enclosures to provide seamless driver interaction. Processor-controlled frequency response contouring enhances system performance.

The microprocessor-controlled TX processors calibrate the system to set the appropriate input levels to each of the bands by monitoring amplifier gain via feedback sense lines that return to the processor. Each band is constantly monitored (before and after the amplifier) to ensure safe operation through the use of a complex limiting circuitry which addresses the thermal excursion and musical aspects of limiting. Of course, band mutes and level controls are also provided for each channel of the processor.

TX Cabinet & Processor Specifications:

Loudspeaker Model	TX8	TX4	TX2M	TX9S
SYSTEM	3-Way	2-Way	2-Way, Angled	Subwoofer
TYPE	Trapezoid	Trapezoid	Floor Monitor	Rectangular
DRIVER CONFIGURATION AND PROGRAM POWER	HF: 2" -120W MF: 8" -100W LF: 2 x 15" - 400W	HF: 2" - 120W - LF: 15" - 500W	HF: 2" - 120W - LF: 12" - 350W	- - LF: 2 x 18" - 850W
RECOMMENDED HF POWER	200W @ 8 ohms	200W @ 8 ohms	200W @ 8 ohms	-
RECOMMENDED MF POWER	200W @ 8 ohms	-	-	-
RECOMMENDED LF POWER	1200W @ 4 ohms	600W @ 8 ohms	350W @ 8 ohms	2000W @ 4 ohms
DISPERSION (H° x V°)	60 x 40	60 x 40	40 x 60	-
SENSITIVITY / IMPEDANCE (1W @ 1m)	HF: 110 dB / 8 ohms MF: 109 dB / 8 ohms LF: 104 dB / 4 ohms	HF: 110 dB / 8 ohms - LF: 99 dB / 8 ohms	HF: 110 dB / 8 ohms - LF: 99 dB / 8 ohms	HF: 110 dB / 8 ohms - LF: 98 dB / 4 ohms
MAXIMUM SPL	~134 dB	~127 dB	~125 dB	~131 dB
FREQUENCY RESPONSE	60 - 19,000 Hz	50 - 19,000 Hz	60 - 19,000 Hz	30 - 130 Hz
CONNECTORS	2 - Speakon™ 8 1 - Speakon™ 4 (sub out)	2 - Speakon™ 4	2 - Speakon™ 4	2 - Speakon™ 4
HF PROTECTION (Internal)	Hi-Pass Filter (12 dB / Octave)	Hi-Pass Filter (12 dB / Octave)	Hi-Pass Filter (12 dB / Octave)	-
(PROCESSOR-BASED)	Limiter (Thermal & Excursion)	Limiter (Thermal & Excursion)	Limiter (Thermal & Excursion)	-
PROCESSOR	TX8P	TX4P	TX2P	-
CONSTRUCTION	3/4-inch (18 mm) Baltic Birch Plywood Screw Fastened, Triple Braced	3/4-inch (18 mm) Baltic Birch Plywood Screw Fastened, Triple Braced	3/4-inch (18 mm) Baltic Birch Plywood Screw Fastened, Triple Braced	3/4-inch (18 mm) Baltic Birch Plywood Screw Fastened, Triple Braced
EXTERIOR FINISH	Black Ultrathane (Painted Finish)	Black Ultrathane (Painted Finish)	Black Ultrathane (Painted Finish)	Black Ultrathane (Painted Finish)
RIGGING	ATM Flyware™	ATM Flyware™	-	-
DIMENSIONS (inches)	23.9 x 23.9 x 50 x 11.3	14.6 x 18.3 x 28 x 11	15.6 x 25.2 x 15	25 x 24 x 51
D x W x H x BW (cm)	60 x 60 x 127 x 29	37 x 46 x 71 x 27	39.6 x 64 x 38	63 x 61 x 130
WEIGHT (lb/kg)	206 / 93.4	89 / 40	68 / 31	208 / 94
Processor Model	TX8P	TX4P	TX2P	-
CONTROLS (Switches)	Calibrate, Mute, Mode	Calibrate, Mute, Mode	Calibrate, Mute	-
CONTROLS (Pots)	Trim	Trim	Trim	-
LED INDICATORS	Power, Clip, Limit, Mute, Mode	Power, Clip, Limit, Mute, Mode	Power, Clip, Limit, Mute	-
TYPE	Stereo, 3 or 4-way	Stereo, 2 or 3-way	4 bi-amplified mixes	-
RACK SPACES	1 unit	1 unit	1 unit	-
INPUTS	XLR female (x2), 20 Kohms	XLR female (x2), 20 Kohms	XLR female (x4), 20 Kohms	-
MAX INPUT	+18 dB, 6 Vrms	+18 dB, 6 Vrms	+18 dB, 6 Vrms	-
OUTPUTS	XLR male (x8), 600 ohm min.	XLR male (x6), 600 ohm min.	XLR male (x8), 600 ohm min.	-
MAX OUTPUT LEVEL	+12 dBu, 3 Vrms	+12 dBu, 3 Vrms	+12 dBu, 3 Vrms	-
SENSE INPUTS	Speakon™4 (x4)	Speakon™4 (x3)	Speakon™4 (x4)	-
	Stereo 1 band / connector	Stereo 1 band / connector	Stereo 2 band / connector	-
TRIM CONTROLS	+/- 3 dB for HF, MF & LF +/- 6 dB for Subwoofer	+/- 3 dB for HF & LF +/- 6 dB for Subwoofer	+/- 3 dB for HF	-
X-OVER POINTS (Hz)	~300 & ~1700 (3 way mode) ~100, ~300 & ~1700 (4 way mode)	~125 & ~1300 (3 way mode) ~1200 (2 way mode)	~1800	-



Coliseum Series Installation Loudspeakers



After years of experience with enclosure design, it was logical for Yorkville to apply its knowledge to the design of a range of speaker cabinets that have been specifically designed for installation purposes. The knowledge that we gained while developing the TX, elite, Pulse and Performance series enclosures was applied to yield a series of practical yet cost-effective installation enclosures. The combination of custom designed woofers and compression drivers mounted on Yorkville's exclusive molded horns, and less complex crossover networks has proven to be an excellent compromise between performance and price.

All wooden Coliseum series enclosures are now constructed of highly rigid 15mm (.59-inch) Baltic Birch plywood. Although the standard, rugged white epoxy finish is clean and attractive, all Coliseum series enclosures are also available by special order in black Ultrathane or unpainted Birch (special order). The trapezoidal shape makes mounting in arrays simple, compact and convenient and minimizes lobing difficulties. Flypoints are steel reinforced and engineered to allow easy, flexible and safe enclosure suspension.

All enclosures and grilles can be easily refinished and now feature a screwed on grille for easy removal and recovering. Painstaking attention to design detail is evident by features such as the safety screw hidden under the embossed Yorkville logo ensures that the grille does not inadvertently come loose.



CU15 Unity™

Technology for Installation PA

The Coliseum CU15 is a radical new installation loudspeaker cabinet design from Yorkville Sound. Ultra clear reproduction through the high-mid band with extremely linear frequency response is achieved using the patented Unity™ horn technology, licensed from Sound Physics Lab. The Unity™ Horn in the Coliseum CU15 makes it the ideal loudspeaker cabinet for use in any installation where clarity and intelligibility are paramount.

Building on the success of the already popular Unity™ U15 loudspeaker introduced in late 2003, the Coliseum CU15 enclosure has been redesigned specifically for the installation market. Unlike the Unity™ U15, the touring version of this cabinet, the CU15 enclosure is covered in an unobtrusive white paintable finish, and it has been stripped of extraneous touring hardware not required on an installation loudspeaker box.

The CU15 has been further reinforced for installation and has seventeen integrated flypoints on the enclosure, making it extremely easy to install on any angle, hung as a single cabinet or in any array.

*CU15FH Flyware kit available.

Coliseum Series Specifications:

Model	CU15
SYSTEM TYPE	Passive 3-Way
BIAMPABLE	YES
PROGRAM POWER (watts)	800
PROGRAM BI-AMP POWER (watts)	800 LF / 200 HF
IMPEDANCE (ohms)	4
FREQ. RESPONSE (Hz +/- 3dB)	50 - 20000
SENSITIVITY (dB@1W/1m)	98
MAXIMUM SPL (dB)	127
X-OVER FREQUENCY (Hz)	300 / 1250
DRIVER CONFIGURATION	15" / 3 x 5" / 1 x 1.75"
LF DRIVER(S)	15" Neodymium / 3" Voicecoil
MF DRIVER(S)	3 x 5" / 1" voice coil
HF DRIVER(S)	1.75" polyester
HIGH / MID HORN CONFIGURATION	Conical Unity™ Horn
HIGH / MID HORN DISPERSION (H° x V°)	60 x 60 Waveguide
HF HORN THROAT DIAMETER	1"
HF PROTECTION	PTC™
CONSTRUCTION	15mm 11-ply Birch
GRILLE	Perforated Metal
STOCK FINISH	White painted
INPUTS (1/4" / Speakon™)	2 / 2
FLYWARE TYPE / QUANTITY	3/8" / 17
FLYWARE LOCATIONS	All corners / sides and pullback
OPTIONAL ACCESSORIES	Unity™ UP15 Processor
DIMENSIONS (DxWxHxBW inches)	16.25 x 19.25 x 34 x 9.5
DIMENSIONS (DxWxHxBW cm)	42 x 49 x 87 x 24
WEIGHT (lbs / kg)	80 / 36

Coliseum C190 / C190W

The ultra-compact and ultra-versatile 150-watt C190 or C190W are the ideal loudspeaker solutions for small commercial installs, for larger installations requiring delayed repeater cabinets or for multi-zone rooms where a number of unobtrusive loudspeakers are needed to complete the system.

This proven 8-inch woofer and horn design uses an injection molded 90 x 30 degree horn assembly with 1.4-inch titanium driver to deliver a full 70 to 20,000 Hz frequency response, making it the most compact full range loudspeaker in the Coliseum Series.

Yorkville's ingenious self-resetting PTC™ high frequency protection circuit protects the high frequency components used in the C190 / C190W. PTC™ offers serious advantages over protection schemes used in many loudspeaker cabinets. While always present in the signal path, remains inaudible until it becomes necessary for it to react, at which point it effectively reduces output to the horn, protecting it from damage due to excessive power input or signal distortion. Unlike a breaker it does not require a physical reset to allow signal back to the horn driver, and unlike a bulb or fuse, does not need to be replaced if the circuit is tripped, and the fuse is blown, making it the ideal high frequency protection scheme for an installation loudspeaker.

The rugged 3/4-inch MDF cabinet is available in either a white (C190W) or black (C190) paintable finish. Nine integrated 3/8-inch flypoints allow the C190 / C190W to be flown easily and on virtually any angle without modification to the speaker. An integrated stand mount adaptor allows the cabinet to be mounted safely and securely with a one-point wall-mount stand, such as the SKS-WALL, to any solid wall or structural pillar.

An all-metal grille protects the loudspeaker components while the all-metal input plate supports both 1/4-inch and binding post connectors.



C2285

This 300-watt 12-inch / 1-inch combination has a Waveguide 80° x 50° rotatable horn assembly. This cabinet can be mounted or flown in either a horizontal or vertical orientation and has fly points on all sides, top, and bottom to ensure easy installation in virtually any environment. CTL™ protection ensures years of trouble free operation.

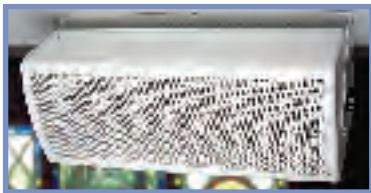
C2560

The higher power, 300-watt C2560 contains a single 15-inch speaker and a 2-inch titanium diaphragm high frequency driver firing through a 1-inch exit hole to a 60° x 40° waveguide horn, for unsurpassed sonic clarity. A time-tested passive crossover network (12dB per octave) ensures sonic accuracy.

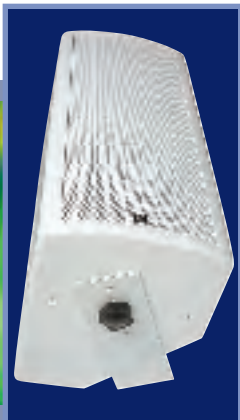
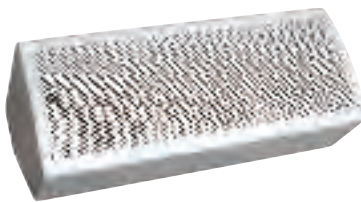
In the low frequency range the high power woofer combines solid performance with outstanding reliability. The enclosures feature inset input-jack plates which contain binding posts and 1/4-inch phone connectors.

C2890

The C2890 is the lowest profile cabinet in the Coliseum line. This 2 x 8-inch / 1-inch horn, 200-watt loudspeaker is designed as the ultimate box for installations where sight lines might be an issue. The C2890 can be flown vertically or horizontally. The rotatable 90° x 30° horn means that high frequency dispersion can be tailored to suit the cabinet's placement. The unique cabinet shape makes for tighter arrays and the ability to fly the cabinet much closer to walls and ceilings than conventional design loudspeaker boxes. Optional C2890BRKT mounting bracket (shown below) maximizes installation options in one simple mounting solution.

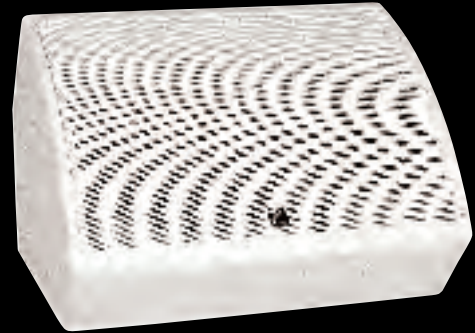


C2890 with bracket



CM1260 Wedge Monitor

The 150-watt CM1260 contains a single 12-inch speaker and horn. Each enclosure features a 1-inch mylar, high frequency driver firing through a 40° x 60° Waveguide for unsurpassed sonic clarity. Time-tested passive crossover network (12dB per octave) ensures sonic accuracy and CTL™ protection circuitry guards against damage to the high frequency driver.



CM1260

Coliseum Series Specifications:

Model	C190	C2560	C2285	C2890	CM1260
SYSTEM TYPE	Passive 2-Way	Passive 2-Way	Passive 2-Way	Passive 2-Way	Passive 2-Way Monitor
PROGRAM POWER (watts)	150	300	300	200	150
IMPEDANCE (ohms)	8	8	8	8	8
FREQ. RESPONSE (Hz +/-3dB)	70 - 20k	60 - 16k	55 - 16k	65 - 16k	80 - 16k
SENSITIVITY (dB@1W/1m)	91	100	99	97	100
MAXIMUM SPL (dB)	113	125	124	120	121
X-OVER FREQUENCY (Hz)	1800	1200	2500	2500	4000
LF DRIVER(S)	8"	15"	12"	2 x 8"	12"
HF HORN	Injection Molded	Waveguide	Rotatable Waveguide	Rotatable Waveguide	Waveguide
HF DRIVER	1.375" Titanium	2" Titanium	1" Mylar	1" Mylar	1" Mylar
HF HORN THROAT DIAMETER	1"	1"	1"	1"	1"
HF DISPERSION (H° x V°)	90 x 30	60 x 40	80 x 50 / 50 x 80	90 x 30 / 30 x 90	40 x 60
HF PROTECTION	PTC	CTL™	CTL™	CTL™	CTL™
CONSTRUCTION	3/4" MDF	15mm 11-ply Birch	15mm 11-ply Birch	15mm 11-ply Birch	15mm 11-ply Birch
STOCK FINISH	White Painted	White Painted	White Painted	White Painted	White Painted
GRILLE	Perforated Metal	Perforated Metal	Perforated Metal	Perforated Metal	Perforated Metal
INPUTS (1/4" / Binding Post)	2 / 1 pair	2 / 1 pair	2 / 1 pair	2 / 1 pair	2 / 1 pair
FLYWARE TYPE / QUANTITY	3/4" x 5	3/8" x 9	3/8" x 9	3/8" x 9	-
FLYWARE LOCATIONS	2 Tops / 2 Bottom / 1 Back	All Corners / 1 Pull Back	All Corners / 1 Pull Back	All Corners / 1 Pull Back	-
OPTIONAL ACCESSORIES	-	-	-	C2890BRKT	-
DIMENSIONS (DxWxHxBW inches)	12.5 x 9.75 x 17.5 x 8	20 x 21 x 27 x 12	14 x 17 x 24 x 11	15 x 12 x 29 x 6	15 x 21 x 18
DIMENSIONS (DxWxHxBW cm)	31.75 x 24.75 x 44.5 x 20.25	52 x 54 x 68 x 32	36 x 43 x 61 x 28	38 x 29 x 73 x 15	38 x 55 x 46
WEIGHT (lbs / kg)	25 / 11.5	71 / 31.8	44 / 20	42 / 19.1	37 / 17

Coliseum Mini-Series

Small, inconspicuous,
clean and clear.



C170/C170W

The Coliseum C170 is the highest power-handling cabinet currently available in the Coliseum 'mini' series installation loudspeaker line. The 8-inch woofer and tweeter package in the C170's can handle 100 watts continuous power and boasts a frequency response of 60Hz to 20kHz with a maximum SPL of 113dB.

Designed for installation, the C170 has two 1/4-inch inputs and a pair of binding post connectors. They are shipped with wall mount U-brackets and all the necessary mounting hardware. Speaker stand adaptor (C170ADAPT) is available as an option when the C170's are used in applications where stand mounting is preferred. The C170's are available in both black (C170) and a white (C170W) paintable finish.



C170P Active installation loudspeaker

The C170P is a 100-watt active version of the C170. This compact speaker is ideally suited for any application like commercial installations, satellite extension speaker, home theatre, home stereo, reference monitor or personal stage monitor where an active loudspeaker is the preferred solution.

The C170P has a 1/4-inch TRS balanced input, switchable between microphone and line level. An input gain control as well as a master volume control ensures the C170P will operate with any source material or direct microphone input. An additional 1/4-inch TRS balanced auxiliary output means any number of C170P's can be daisy chained together in an installation or for use as spot monitors around a stage or in a broadcast facility. A master overall tone control is included.

The C170P is shipped with a mounting U-bracket and hardware for installation applications. Standard speaker stand adaptor (C170ADAPT) is available as an option when the C170P's are used in applications where stand mounting is preferred.



C130

The newest addition to the series is the Coliseum C130, a compact loudspeaker in the 100-watt range with a 6 1/2-inch driver and 1-inch mylar tweeter. The trapezoidal shape makes the C130 ideal for install or array mounting in tight locations. Weather resistant plastic enclosure and mylar components mean the C130 can be used indoors or outdoors, ideal for foyers, patio systems for music and paging systems. Shipped with a rugged proprietary U-bracket for wall or ceiling mounting, they may be the most versatile and cost-effective solution for small installations, or as a repeater or fill cabinet in larger venues.

The C130 is available either in an 8-ohm version, or as a 70-volt multi tapped transformer version designed for fixed installation systems (130/70). The integrated 70-volt 'matching transformer' allows multiple C130/70's to be connected together without danger of overloading the power amplifier due to impedance drop. The user has a choice of three sensitivity settings (6w, 12.5w, 25w or bypass). Black (C130) or white (C130W) versions are available.



C130 U-brackets
(included)

Coliseum Mini-Series



C120

The Coliseum C120 is a high-end, water resistant speaker featuring specially treated drivers and a sculpted plastic enclosure. This compact speaker is ideally suited for many applications: commercial installations, home theatre, home stereo, mobile applications, reference monitor, personal stage monitor and can even be used outdoors.

The C120 is a bass reflex enclosure with a tuned port and a 5-inch woofer which provides improved bass performance over conventional 5-inch woofer enclosures. Removing the press-fit grille gives access to the eyeball tweeter which can be swivelled to suit various listening positions. The C120 will handle 100 watts of continuous music and is accurate from 75Hz to over 19kHz.

The C120 is designed to allow a multitude of mounting options including a press-fit microphone stand mount, integral key hole screw-slots or the provided metal U-bracket which allows it to be angled up, down or sideways depending on the mounting orientation.

The optional swivel mount (C120MOUNT) allows the C120 to be dropped through a ceiling or suspended from a wall in any number of angles and includes a safety wire for peace of mind. For maximum convenience in live or mobile applications, the back plate features push terminals and dual 1/4-inch inputs. The C120 is available in a low-reflectance black (C120) or white (C120W) finish with a matching, perforated metal grille and can be painted to match its surroundings.

Also available is the C120/70. The integrated 70-volt 'matching transformer' allows multiple C120s to be connected together without danger of overloading the power amplifier due to impedance drop. The user has a choice of three sensitivity settings (6w, 12.5w, 25w or bypass) selected via a rotary switch located on the rear panel of the speaker, allowing convenient adjustment of the relative volumes of multiple interconnected cabinets.



C120MOUNT
(optional)



C120P Active installation loudspeaker

The Coliseum C120P is the most compact active loudspeaker Yorkville Sound has to offer. This compact speaker is ideally suited for many applications including commercial installations, satellite extension speaker, home theatre, home stereo, reference monitor or personal stage monitor. The bass reflex enclosure with a tuned port and a 5-inch woofer that provides improved bass performance over conventional 5-inch woofer enclosures. Removing the press-fit grille gives access to the eyeball tweeter that can be swivelled to suit various listening positions.



The C120P will deliver 125 watts of continuous music with a frequency response of 75Hz to over 19kHz. Its amplifier section has easy to access volume, bass and treble controls, TRS balanced 1/4-inch inputs; 1/8-inch TRS stereo inputs are mounted on the rear panel. An innovative 1/8-inch TRS stereo link output is provided for true stereo operation when using two C120P's.

The C120P is shipped with a mounting U-bracket and all the necessary hardware for installation applications.



C110

The Coliseum C110 is a high quality, weather resistant speaker which features specially treated drivers in a rugged plastic enclosure. It is well-suited for many applications including commercial installations, home theaters, home stereos, reference monitors and personal stage monitors. The C110 is a bass reflex enclosure with a tuned port and a 5-inch woofer whose computer-optimized design gives improved bass performance over conventional 5-inch woofer enclosures. With a power rating of 40 watts of continuous music power the C110 is accurate from 85Hz to 19kHz with an efficiency of 92dB.

The C110 features an internal 70-volt 'matching transformer' which allows multiple C110s to be connected together without danger of overloading the power amplifier due to impedance drop. The user has a choice of three sensitivity settings (10w, 20w, 30w or off) selected via a rotary switch located on the rear panel of the speaker, allowing convenient adjustment of the relative volumes of multiple interconnected cabinets.

A wide variety of mounting options are available using the four integral screw-slots or the provided metal L-bracket which allows it to be angled up, down or sideways depending on the mounting orientation. The C110 is available in a low-reflectance black or white finish with a matching, perforated metal grille and can be painted to match its surroundings.



Coliseum Outdoor Installation

C140W

The C140W is a narrow format waterproof 12-watt column speaker designed for any installation where a visually unobtrusive sound source is required. Seven 2.5-inch wide band plastic cone speakers in an extruded aluminum cabinet make the C140W ideal for patios, pool decks, sports facilities or outdoor background music / paging systems. The C140W can be easily installed and driven by any 70-volt amplification system, including the Coliseum CA1 or CA1T.

The C140W is shipped with mounting hardware and has built in 70-volt speaker taps at 2.5, 5 and 10 watts.



C140W



70-Volt Transformers and Taps

LT-70V 70-volt amplifier transformer

The LT-70V is a rackmounted transformer that allows any standard power amplifier or powered mixer to drive any installed 70-volt paging or background music system.

MT-70V Cabinet Transformer

The MT-70V transformer box can be easily mounted to any 8 or 4-ohm Coliseum Series loudspeaker allowing the cabinet to be adapted for use in any 70-volt installed paging or background music system. The MT-70V can be weather-proofed, has barrier strip connections and can be tapped at 6,12, 25, 50, 100, and 150-watts.

Coliseum Mini-Series Specifications:

Model	C170 / C170W	C170P	C120P
SYSTEM TYPE	2-Way	2-Way	2-Way
ACTIVE OR PASSIVE	Passive	Active	Active
IMPEDANCE	8	N/A (Active)	N/A (Active)
SENSITIVITY (dB @ 1W / 1M)	93	N/A (Active)	N/A (Active)
PROGRAM POWER (watts)	100	100	125
MAXIMUM SPL (dB)	113	113	113
FREQ. RESPONSE (Hz +/- 3dB)	60 - 20000	60 - 20000	65 - 19000
DRIVER CONFIGURATION	8" / 1" dome tweeter	8" / 1" dome tweeter	5 inch / 1" dome tweeter
HF DRIVER(S)	1" Mylar Dome Tweeter	1" Mylar Dome Tweeter	Aimable 1" Mylar Dome Tweeter
LF DRIVER(S)	8"	8"	5 inch
TOTAL POWER (watts)	100	100	125
COOLING SCHEME	-	Heat Sink	Heat Sink
POWER CABLE	-	Built-in	Built-in
POWER SWITCH	-	Yes	Yes
INPUTS	2 x 1/4" TRS (Input/Aux Out)	2 x 1/4" TRS (Input/Aux Out)	1 x 1/4" TRS / 1 x 1/8" TRS
INPUTS - 1/4" Jacks	1 x TRS	1 x TRS	1 x TRS
MIXER CONTROLS	-	Mic/Line sensitivity switch Gain, Tone, Volume controls	Stereo Select
OTHER CONTROLS / FEATURES	-	Switchable AC voltage 115/230	Switchable AC voltage 115/230
FEET	Yes	Yes	-
INCLUDED HARDWARE	Mounting Bracket	Mounting Bracket	Mounting Bracket
OPTIONAL HARDWARE	Pole Mount Adaptor (1 3/8"-3.5cm) (C170ADAPT)	Pole Mount Adaptor (1 3/8"-3.5cm) (C170ADAPT)	-
ENCLOSURE MATERIALS	ABS Plastic	ABS Plastic	ABS Plastic
OPTIONAL FINISH	White (C170W)	-	-
GRILLE	Perforated Metal	Perforated Metal	Perforated Metal
DIMENSIONS (DxWxH inches)	11 x 9 x 16	11 x 9 x 16	6.5 x 6.75 x 10.25
DIMENSIONS (DxWxH cm)	28 x 23 x 41	28 x 23 x 41	16.5 x 17.2 x 26
WEIGHT (lbs/kg)	14.5 / 6.6	18.7 / 8.5	8.5 / 3.9



C180

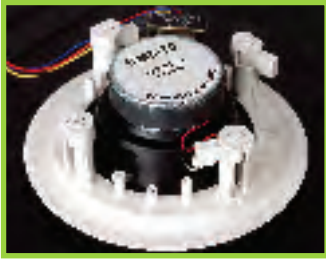
The Coliseum C180 is the ideal outdoor P.A. horn for 70-volt installations. Perfect for announcement systems, paging systems, arenas, sports fields or anywhere a weatherproof audio source is required. Designed for maximum intelligibility, the C180 has power taps from 1 watt to 30 watts, and comes with a secure integrated mounting bracket.

Coliseum Mini-Series Specifications:

Model	C130/70	C130
TYPE	2-Way, Tuned Port	2-Way, Tuned Port
SYSTEM	Bass Reflex	Bass Reflex
PROGRAM POWER (watts)	100	100
IMPEDANCE (ohms)	70V Transformer	Passive 8Ω
SENSITIVITY (dB @ 1W/1m)	92	92
FREQ. RESP. (+/-3dB)	85 - 19k	85 - 19k
WOOFER	5"	5"
TWEETER	Mylar (aimable)	Mylar (aimable)
INPUTS	2 x 1/4" Phone / Push Terminal	2 x 1/4" Phone / Push Terminal
CABINET CONSTRUCTION	Injection Molded ABS Plastic	Injection Molded ABS Plastic
STANDARD COLOR	Black	Black
OPTIONAL COLOR	White (C130W/70)	White (C130W)
STANDARD HARDWARE	Rear Key Hole Mounts (2) / U-Bracket	Rear Key Hole Mounts (2) / U-Bracket
OPTIONAL HARDWARE	Swivel Wall Mount Assembly (C120MOUNT)	Swivel Wall Mount Assembly (C120MOUNT)
70V TRANSFORMER TAPS	6W / 12.5W / 25W	-
DIMENSIONS (DxWxH inches)	7.5 x 8.5 x 11.5 x 3.5	7.5 x 8.5 x 11.5 x 3.5
DIMENSIONS (DxWxH cm)	19 x 22 x 29 x 9	19 x 22 x 29 x 9
WEIGHT (lbs / kg)	8.2 / 4	6.6 / 3.2

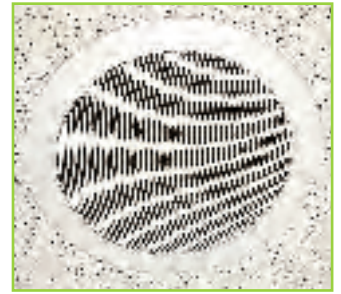
Specifications subject to change without notice.

Coliseum Ceiling and In-Wall



CM5/70 Ceiling Speaker

The CM5/70 is a 25-watt 5-inch high performance ceiling mount loudspeaker. Ideal for any background music or paging system where superior sound quality is a priority, this speaker is made for louder club or restaurant / retail environments. Built in 70-volt taps at 5, 10 or 20 watts as well as optional 8-ohm (25-watt) operation means the CM5/70 can be driven by virtually any amplification or paging system including the Coliseum CA1 or CA1T.



C160W 'Pot Light' Ceiling Speaker

Ideal for any paging or background music system, the C160W is a 10-watt, 4-inch diameter flush mount-ceiling speaker designed specifically for quick and simple installation in office and retail environments.

The C160W has built in 70-volt transformer and taps, and can operate at 2.5 watts, 5 or 10 watts. An efficiency of 92dB (1 W/m) and a frequency response of 100 - 16kHz.

Rugged ABS plastic construction in a 'pot light' format with an all metal grille makes the C160W ideal for any drywall or tile drop ceiling mount application. The C160W can be easily installed and driven by any 70-volt amplification system, including the Coliseum CA1 or CA1T.

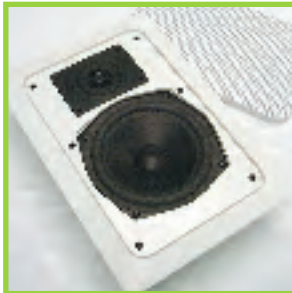


C165W Ceiling Speaker

Ideal for any paging or background music system, the C165W is a 10-watt, 6-inch diameter flush mount-ceiling speaker designed specifically for quick and simple installation in office and retail environments.

The C165W has built in 70-volt transformer and taps, and can operate at 2.5 watts, 5 or 10 watts. An efficiency of 92dB (1 W/m) and a frequency response of 100 - 16kHz.

Rugged ABS plastic construction in a 'pot light' format with an all metal grille make the C165W ideal for any drywall or tile drop ceiling mount application. The C165W can be easily installed and driven by any 70-volt amplification system, including the Coliseum CA1 or CA1T.



WM5T/70

Looking for a way to hide speakers in a room? Don't have space to put a speaker? The Coliseum WM5T/70 in-wall, flush mount loudspeaker is your answer. This compact speaker is ideally suited for many applications: commercial installations, home theatre, or home stereo. Using the volume between wall studs as an enclosure, this bass reflex speaker has a 5-inch woofer and mylar dome tweeter that provides impressive bass, and clean, crisp high frequency response. Installation is a snap with the provided cutting/painting template, while a press-fit grille hides all mounting holes to give the WM5T/70 a very clean and finished look. All mounting hardware is provided. The baffle is made of white ABS plastic with a matching, white, perforated metal grille. It can be easily painted to match its surroundings.

The WM5T/70 features built in 70-volt taps at 5, 10 or 20 watts as well as optional 8-ohm (25-watt) operation mean the WM5T/70's can be driven by virtually any amplification or paging system including the Coliseum CA1 or CA1T.

C120/70	C120	C110	C140W	CM5/70	C160W	C165W	WM5T/70
2-Way, Tuned Port	2-Way, Tuned Port	2-Way, Tuned Port	Horn Speaker Assembly	Ceiling Speaker	Ceiling Speaker	Ceiling Speaker	2-Way, In-Wall Mount
Bass Reflex	Bass Reflex	Bass Reflex	Full Range Column	Full Range Tile Mount	Full Range 'Pot Light'	Full Range 'Pot Light'	Bass Reflex
100	100	40	20	30	10	60	50
70V Transformer / Passive 8Ω	Passive 8Ω	70V Transformer / Passive 8Ω	70V Transformer	70V Transformer / Passive 8Ω	70V Transformer / Passive 8Ω	70V Transformer / Passive 8Ω	70V Transformer / Passive 8Ω
94	94	92	94	91	92	92	92
75 - 19k	75 - 19k	85 - 19k	250 - 15k	150 - 20k	100 - 16k	100 - 20k	80 - 18k
5"	5"	5"	7 x 2.5"	6"	4"	6"	5"
Mylar (aimable)	Mylar (aimable)	Mylar	-	-	-	3/4"	Mylar
2 x 1/4" Phone / Push Terminal	2 x 1/4" Phone / Push Terminal	Screw Terminals	Wire Harness	Wire Harness	Solder Lug	Screw Terminal	Solder Lug
Injection Molded ABS Plastic	Injection Molded ABS Plastic	Injection Molded ABS Plastic	Aluminum Frame	Injection Molded ABS Plastic	Injection Molded ABS Plastic	Aluminum / ABS Plastic	Injection Molded ABS Plastic
Black	Black	Black	White	White	White	White	White
White (C120W/70)	White (C120W)	White (C110W)	-	-	-	-	-
Rear Key Hole Mounts (2) / U-Bracket	Rear Key Hole Mounts (2) / U-Bracket	Rear Key Hole Mounts (4) / L-Bracket	L-Bracket (2)	-	Ceiling Mount Clips	Ceiling Mount Clips	Mounting Screws / Mounting Bracket / Cutting Template / Putty Sealer Strip
Swivel Wall Mount Assembly (C120MOUNT)	Swivel Wall Mount Assembly (C120MOUNT)	-	-	-	-	-	-
6W / 12.5W / 25W / 8R	-	10W / 20W / 30W / 8R	2.5W / 5W / 10W	5W / 10W / 20W	2.5W / 5W / 10W	2.5W / 5W / 10W	5W / 10W / 20W
6.5 x 6.75 x 10.25	6.5 x 6.75 x 10.25	5.5 x 6.26 x 8.9	3 x 4 x 24	8 (Diameter) x 3 (Depth)	5.6 (Diameter) x 4.8 (Depth)	10 (Diameter) x 7 (Depth)	3.5 x 7.5 x 11
16.5 x 17.2 x 26	16.5 x 17.2 x 26	14 x 15.9 x 22.6	8 x 11 x 61	20 (Diameter) x 7.6 (Depth)	14.2 (Diameter) x 12 (Depth)	25 (Diameter) x 18 (Depth)	9 x 29 x 28
6.3 / 2.9	4.7 / 2.1	3.8 / 1.7	8.5 / 3.9	3.0 / 1.4	3 / 1.4	7.3 / 3.3	3 / 1.4

Coliseum CA1 / CA1T

The new Coliseum CA1 and CA1T public address amplifiers have been designed specifically for installations where a versatile paging system with high quality music playback is required.

Ideal for restaurants, small clubs, offices and retail environments where a simple and reliable system capable of servicing multiple paging zones is required. Multiple inputs for microphone or source material, and voice activated paging from either a microphone or telephone matrix means the CA1 or CA1T can be used in virtually any application.

Versatile input mixing capabilities make the CA1 and CA1T the solution for small churches, boardrooms and conference room PA applications. Unlike most installation amplifiers in this class, user selectable phantom power is available on three channels to drive condenser microphones, the type most commonly used on podiums or as a lavalier (tie clip) microphone.

XLR / TRS balanced combi-jack inputs and attenuated RCA unbalanced inputs ensure the CA1 and CA1T system can interface with any source (CD, Cassette, Satellite Tuner, DVD or video system) your installation may require. The onboard AM / FM tuner in the CA1T offers a simple, cost effective background music source.

Capable of driving either a 4-ohm speaker load, or four separate 70-volt speaker systems (one 'system' per zone), the CA1 system delivers 120 watts (mono). A pre-amp output is available to feed an auxiliary power amplifier or active subwoofer to enhance the system, or to feed video or audio recording equipment.



CA1 / CA1T Specifications:

- Output Power: 120 watts
- Frequency Response: 50 - 15000kHz (+/- 3dB)
- Total Harmonic Distortion: Less than 1% @ 1 kHz
- Signal to Noise Ratio: Greater than 55 dB
- Dimensions (inches): 19 x 12 x 6
- Dimensions (cm): 480 x 320 x 150
- Weight: 24 lbs. / 9kg



Coliseum CA12

Multi-channel Installation Amplifier

The Coliseum CA12 multi-channel amplifier is the ideal solution for powering any complex multi-zone, multi-speaker installation. Designed with versatility in mind, the CA12 can be configured as 12 single channel 50-watt amplifiers, each capable of driving 4 or 8-ohm loads or 70-volt speakers. The 12 mono channels can be configured in six stereo pairs for easy hook up to stereo source mixers. Stereo channels can be bridged mono, effectively turning the CA12 into six 100-watt (at 8 ohms) amplifiers.

RCA and Terminal Block inputs as well as terminal block outputs ensure quick, safe and secure installation. Every channel on the CA12 has its own individual volume control as well as clip and activity lights. Voltage Control Inputs allow remote volume control of individual channels.

- 12 Channel (6 stereo zones) Installation Amplifier
- 50-watts per channel (bridgeable to 100-watts per zone)
- 70-volt or 4 and 8-ohm per channel selectable output configuration
- RCA & terminal block inputs, terminal block outputs
- Individual volume control, clip & activity LED's per channel
- Defeatable limiters & remote channel volume voltage control inputs



Coliseum CV1

70-volt In-wall Speaker Volume Control

The Coliseum CV1 in-wall speaker volume control is the ideal simple, user-friendly solution installations requiring remote regulation of individual room level in complex 70-volt systems. Designed for easy installation, the CV1 is wired for simple inline tapping of any 70-volt signal up to 35 watts per channel, and fits into a standard single gang light switch box. A dual transformer design allows the CV1 to handle stereo signal for background music and paging systems with nine volume level positions on the simple rotary control, including a full off position for silencing a room remotely.

Audiopro Power Amplifiers

AudioPro AP-Series power amplifiers are built for both heavy-duty live sound reinforcement. Whether your application is a touring system, club system or installation, AudioPro amplifiers are the ideal choice when high headroom and low distortion is required, especially when reproducing the dynamic range and clarity of today's digital recordings.

Yorkville's AudioPro AP-Series power amplifiers are designed for rock solid performance right down to and below their lowest impedance ratings. An 'impedance aware' design strategy deals with the realities of driving typical speaker loads and addresses the associated problems such as thermal shutdown, inductive 'snap-back', and premature current limiting. AP amplifiers will easily drive reactive phase shifted loads with no difficulty - even though they are still fully protected from accidental short circuits.

The AudioPro Series features advanced protection schemes including DC current, load, thermal and breaker protection as well as a user-defeatable peak limiter that is transparent below clipping levels. A 'soft turn-on' circuit eliminates damage to attached components and prevents nuisance breaker-tripping. The computer-optimized (Silentfan™) front-to-back heat dissipation system incorporates ultra-quiet, variable-speed internal fans designed to ensure that excessive thermal stress will not occur. For ease of maintenance and to ensure efficient cooling, the amplifiers are supplied with long-life, faceplate-mounted, user serviceable, air intake filters. Front panel Power, Protect, Activity and Clip LEDs are bright and easy to see and all knobs and handles are recessed for safe, easy transportation.

The internal signal path has been optimized to reduce hum, and a toroidal transformer is used keeping weight to a minimum. The two-tier power conversion technology of the AudioPro AP-Series amplifiers approaches efficiency levels normally associated with switching power supply amplifiers; yet it provides the superior transient response and low distortion of the best analog designs.

AudioPro amplifier designs are conservative with regard to the power handling capabilities of the output devices. To further assure trouble-free operation, all AudioPro AP Series amplifiers undergo a thorough computer-monitored, temperature-cycled, burn-in period to test for any deviation from design parameters.

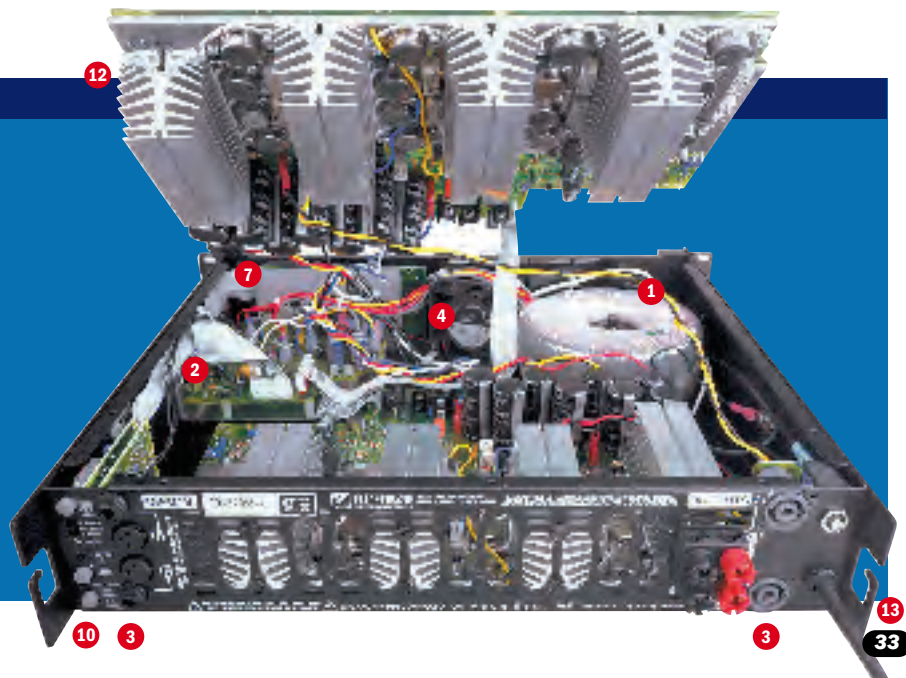
The back panel features Speakon™ and binding post outputs as well as balanced XLR & 1/4-inch TRS inputs. The peak limiter, subsonic filter, mono/stereo/bridge mode and ground lift switches are also mounted on the back panel. The unique Yorkville Impedance Mode switch (AP1020 & AP2020), also located on the back panel, allows the user to select full output power into two or four ohms for maximum application flexibility.

Sturdy all-steel construction with a baked-on, black finish is used throughout and, for ease of integration, the amplifiers feature reinforced mounting ears and a compact two or three rack-space design. All AudioPro amps come with Yorkville's standard two-year (even if you break it!) unlimited warranty (valid in USA and Canada only).



FEATURE CHECKLIST

- 1 Toroidal transformer
- 2 Heavy-duty circuit boards
- 3 Comprehensive connectors (XLR, Binding Post, Speakon™ and 1/4-inch)
- 4 Front-to-back cooling path with variable speed DC fan(s)
- 5 User-serviceable filter(s)
- 6 All-steel chassis construction with a baked-on, black finish
- 7 Electronic protection (DC, Load, Thermal)
- 8 Front-mounted gain controls
- 9 LED indicators for power, activity and clipping
- 10 Rear-mounted switches for ground lift, mode, limiter & HP filter
- 11 Rack-mountable, integrated carry-handles
- 12 Efficient aluminum heatsinks
- 13 Integrated cord-wrap/rear-panel protector



Choosing the Right Amplifier

The AP-Series has a number of amplifiers that appear to deliver the same power, yet are rated into differing minimum loads. The AP4040 and AP4020, or the AP6040 and AP6020 are prime examples. At a first reading of the specifications, the AP4040 and AP4020 may look like the same amplifier, yet the AP4040 delivers 1200 watts per channel into a minimum 4-ohm load (per channel), where the AP4020 delivers that same 1200 watts per channel into a 2-ohm load. Looking at the AP6040 and AP6020, again the same amount of power is delivered into differing minimum loads, or 2000 watts per channel into 4 ohms in the AP6040, 2000 watts per channel into 2 ohms in the case of the AP6020.

In the case of the AP2020 and AP800 power amplifiers, a unique minimum load operation switch on the back of the amplifier allows each amplifier to deliver their maximum power into either a 2-ohm or 4-ohm load for maximum flexibility. A simple user definable configuration allows the AP2020 to deliver 600 watts per channel (400 watts per channel in the AP1020) into either a 2-ohm or a 4-ohm load.

The Limiter Switch

All AudioPro power amplifiers have a user defeatable limiter circuit switch located on the back panel, next to the input jacks. The limiter circuit is in place to protect high frequency loudspeaker components that could be damaged by even small amounts of clipping when an amplifier is being driven close to its maximum output into a full-range cabinet.

When driving subwoofers at the maximum rated output power of the amplifier however, allowing a small amount of clipping at the output of the amplifier is considered an excellent trade-off to get a potential 2dB or 3dB increase in volume, and a small amount of clipping will not damage low frequency drivers. Defeating that limiter allows AudioPro amplifiers to run closer to clipping, and increases the audible volume by potentially as much as 3dB.

Competitive amplifiers without user defeatable limiting either, A) Set their limiting too high to actually offer any practical real-world high frequency component protection, or B) Set their limiting so low that they limit the amplifier's overall potential headroom.

AP6040 & AP6020

The AP6040 / AP6020 amplifiers are Yorkville's most powerful, featuring a massive toroidal transformer, rugged design and top quality components, ensuring many years of reliable service. Nearly identical in appearance, the AudioPro AP6040 and AP6020 amplifiers each deliver 2000 watts per channel into 4 ohms and 2 ohms, respectively. They have top-of-the-line specifications, ample headroom and are extremely low noise, making them ideally suited for a wide variety of high-power applications.



AP6040 rear



When comparing AudioPro AP-Series amplifiers to any competitive product, remember to turn the limiter off to feel the increased output when driving subwoofers. However, please note, you should remember to use the limiter when driving full range cabinets. You are less likely to do high frequency component damage with the limiter set to 'on'.

AP4040 & AP4020

As the workhorses of the AudioPro AP-Series amplifier line, the AP4040 / AP4020 deliver 1200 watts per channel (at 4-ohms in the AP4040, 2-ohms for the AP4020). Sonic quality is excellent while the proven design and quality components assure many years of trouble free performance.

AP4040/AP4020 FEATURE CHECKLIST

- Switchable stereo/mono/bridge mode
- 2 x 1200 watts (AP4040 @ 4 ohms / AP4020 @ 2 ohms)
- Advanced protection circuitry
- Toroidal transformer
- Soft Turn-On, defeatable limiter
- Defeatable high pass filter (40Hz, 12dB / octave)
- Ultra-quiet Silentfan™ internal cooling
- User-serviceable filter
- XLR and 1/4-inch TRS input connectors
- Speakon™ and binding post output connectors
- Baked, black-painted steel chassis, 2U format
- Computer designed & tested
- Two-year (even if you break it!) unlimited warranty (Valid in USA & Canada only)



AP2020 FEATURE CHECKLIST

- Switchable stereo/mono/bridge mode
- 600 watts (x2) @ 4 ohms or 2 ohms selectable minimum Impedance
- Advanced protection circuitry
- Toroidal transformer
- Defeatable limiter
- Defeatable high pass filter (40Hz, 12dB / octave)
- Ultra-quiet, Silentfan™ internal cooling
- User-serviceable filter
- XLR and 1/4-inch TRS input connectors
- Speakon™ and binding post output connectors
- Baked, black-painted steel chassis, 2U format
- Computer designed & tested
- Two-year (even if you break it!) unlimited warranty (Valid in USA & Canada only)

AP2020 The AP2020 weighs a comfortable but solid 35 pounds, fits into two rack spaces, and has the best distortion and noise specifications you will find anywhere. A simple user definable configuration allows it to deliver 600 continuous average watts per channel into either a 2-ohm or a 4-ohm load.



AP1020



The AP1020 is 400 watts per channel, impedance-selectable, professional quality amplifier providing outstanding reliability and performance in a rugged package. The AP1020 is unique in its class, allowing the user to select between two configurations to allow the amplifier to provide maximum possible output into either 4-ohms or 2-ohms, as the user requires for their particular speaker configuration - much like the impedance-switching feature of the AP2020.

Audiopro Amplifier Specifications:

Model	AP6040	AP6020	AP4040	AP4020	AP2020 (A/B)*	AP1020 (A/B)*
CONTINUOUS AVERAGE POWER (Both Channels Driven)						
Watts @ 8 ohms	1250 (x2)	800 (x2)	750 (x2)	475 (x2)	250 (x2) / 400 (x2)	160 (x2) / 250 (x2)
Watts @ 4 ohms	2000 (x2)	1300 (x2)	1200 (x2)	750 (x2)	450 (x2) / 600 (x2)	260 (x2) / 400 (x2)
Watts @ 2 ohms	NA	2000 (x2)	NA	1200 (x2)	600 (x2) / NA	400 (x2) / NA
Watts Bridged	NA	4000 @ 4 ohms	2400 @ 8 ohms	2400 @ 4 ohms	1200 @ 4/8 ohms	800 @ 4/8 ohms
BURST AVERAGE POWER (BCD)						
Watts @ 8 ohms	2000 (x2)	1200 (x2)	1200 (x2)	625 (x2)	350 (x2) / 450 (x2)	200 (x2) / 320 (x2)
Watts @ 4 ohms	3625 (x2)	2175 (x2)	2175 (x2)	1200 (x2)	650 (x2) / 800 (x2)	360 (x2) / 560 (x2)
Watts @ 2 ohms	NA	3625 (x2)	NA	2175(x2)	1325 (x2) / NA	600 (x2) / NA
Watts Bridged	NA	7200 @ 4 ohms	4350 @ 8 ohms	4350 @ 4 ohms	2100@4 / 1600@8	1200@4 / 1100@8
FREQ. RESPONSE (+/- 1dB)	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz	20Hz-20kHz
HUM & NOISE	-103dB	-103dB	-103dB	-103dB	-103dB	-101dB
THD (1 kHz/4 ohms)	<0.01%	<0.01%	<0.01%	<0.01%	<0.01%	<0.01%
THD (20-20 kHz/4 ohms)	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%
SLEW RATE (V/us)	50	25 (50 bridged)	25 (50 bridged)	25 (50 bridged)	22 (44 bridged)	20 (40 bridged)
DAMPING FACTOR	>600	>600	>600	>600	>600	>300
CROSSTALK (1 kHz/20-20 kHz)	-75/-60 dB	-75/-60 d	-75/-60 dB	-75/-60 dB	-75/-60 dB	-80/-75 dB
INPUT IMPEDANCE (Ba/UnBa)	20 / 10 kOhms	20 / 10 kOhms	20 / 10 kOhms	20 / 10 kOhms	20 / 10 kOhms	22 / 12 kOhms
INPUT SENSITIVITY (VRMS Sine)	1.4 (41dB gain)	1.4 (39dB gain)	1.4 (39dB gain)	1.4 (36dB gain)	1.0 / 1.4 (31dB gain)	1.0 / 1.4 (29dB gain)
CMRR @ 60Hz (Min/Typ)	48 / 56dB	48 / 56dB	48 / 56dB	48 / 56dB	48 / 56dB	54 / 66dB
STEREO / MONO / BRIDGE (S/M/B)	S/M	S/M/B	S/M/B	S/M/B	S/M/B	S/M/B
POWER CONSUMPTION (Typ/Max)	1800 / 3000W	1800 / 3000W	1130 / 1800W	1130 / 1800W	700 / 1440W	750 / 1440W
PROTECTION	DC, Load, Thermal	DC, Load, Thermal	DC, Load, Thermal	DC, Load, Thermal	DC, Load, Thermal	DC, Load, Thermal
LIMITER (User defeatable)	Peak	Peak	Peak	Peak	Peak	Peak
HIGH PASS FILTER	40Hz, 12dB Octave	40Hz, 12dB Octave	40Hz, 12dB Octave	40Hz, 12dB Octave	40Hz, 12dB Octave	40Hz, 12dB Octave
COOLING (Variable Speed DC Fan)	Dual Front > Rear	Dual Front > Rear	Front > Rear	Front > Rear	Front > Rear	Front > Rear
FACEPLATE-MOUNTED FILTER	User Serviceable (x2)	User Serviceable (x2)	User Serviceable	User Serviceable	User Serviceable	User Serviceable
INPUT CONNECTORS	XLR (x2) 1/4" Phone TRS (x2)	XLR (x2) 1/4" Phone TRS (x2)	XLR (x2) 1/4" Phone TRS (x2)	XLR (x2) 1/4" Phone TRS (x2)	XLR (x2) 1/4" Phone TRS (x2)	XLR (x2) 1/4" Phone TRS (x2)
OUTPUT CONNECTORS	Binding Post (x2) Speakon™ SP-4 (x2)	Binding Post (x2) Speakon™ SP-4 (x2)	Binding Post (x2) Speakon™ SP-4 (x3)	Binding Post (x2) Speakon™ SP-4(x3)	Binding Post (x2) Speakon™ SP-4 (x3)	Binding Post (x2) Speakon™ SP-4 (x3)
RACK SPACES	3	3	2	2	2	2
TRANSFORMER	Toroidal	Toroidal	Toroidal	Toroidal	Toroidal	Toroidal
EXTERIOR FINISH	Baked, Black Painted Steel	Baked, Black Painted Steel	Baked, Black Painted Steel	Baked, Black Painted Steel	Baked, Black Painted Steel	Baked, Black Painted Steel
DIMENSIONS (w/h/d from ears - inches)	19 x 18.5 x 5.25/17.6	19 x 18.5 x 5.25/17.6	19 x 17.3 x 3.5/16.2	19 x 17.3 x 3.5/16.2	19 x 17.3 x 3.5/16.2	19 x 16.8 x 3.5/15.7
DIMENSIONS (w/h/d from ears - cm)	48.3 x 47.0 x 13.3/44.7	48.3 x 47.0 x 13.3/44.7	48.3 x 43.9 x 8.9/41	48.3 x 43.9 x 8.9/41	48.3 x 43.9 x 8.9/41	48.3 x 43.0 x 8.9/40
WEIGHT (lbs / kg)	67 / 31	67 / 31	43.5 / 19.8	40.5 / 18.4	35 / 15.9	31.5 / 14.3

*Configuration A - Maximum power into 2 ohms • Configuration B - Maximum power into 4 ohms • Specifications subject to change without notice.

Specifications subject to change without notice.

MicroMix

M8 Powered Mini-Mixer



The M8 Mixer/Amplifier is designed and built to provide long-term trouble free performance. Drawing on over thirty years of experience in the design and manufacture of powered mixing consoles; our engineers were able to optimize the design of the M8 greatly. Including comprehensive features such as quiet internal fan cooling, four microphone input channels, two stereo input channels, headphone monitoring, phantom power, 4-band main EQ, dual level-meters, 170 watts of stereo power built-in, and powered by an advanced switching power supply that allows you to connect the power plug of your M8 into any wall socket around the world!!

Rugged and reliable, the M8 is ideal for use in the boardroom, the multimedia studio or for use as a micro monitor system for rehearsal or low volume stereo stage monitoring. Don't let the packaging fool you, there is some high technology in this little package.

The M8 features two 85 watt (at 4 ohm) power amps (170 Watts @ 4 ohm total), and has 8 inputs (4 mic / balanced line & 4 additional inputs on 2 stereo channels). There is switchable phantom power on mic channels, as well as combi-jack XLR & 1/4-inch inputs. There are individual clip indicator lights on each channel, three band Eq in mic / line channels with a wide range two band Eq on stereo lines. In addition, there is a four-band master Eq on the output.

The M8 Micro mixer also has one master auxiliary send with stereo returns, and a separate level control for tape record outputs. To make it more versatile the M8 also has selectable source cueing and separate level control for control room / headphones output, which can be used as an additional zone output in a small restaurant or club install.



PA Mate

Unlike many of the pre-packaged PA systems now on the market, the Yorkville M8P1 package offers superior sound quality, a professional full-featured mixer, ample output power, and high quality full range loudspeakers. The Yorkville PA Mate package is ready to go right out of the box, and includes a quality Apex dynamic handheld microphone, all the required cables and a versatile, convenient, ingenious packaging and transportation solution.

The M8P1 PA Mate package includes the popular Yorkville M8 powered mini mixer. The M8 is a true stereo 85-watt per channel (at 4 ohms) powered mixer. It has all the features you would never expect to find in a powered mixer this small and compact.

The speakers in the M8P1 package are the ultra-compact CX80s. Designed to be one of the most economical loudspeakers in the Yorkville line, the CX80 delivers 100 watts of continuous power and boasts a frequency response of 60Hz to 20kHz with a maximum SPL of 113dB. The 8-ohm 8-inch woofer and tweeter package are loaded into a rugged injection molded plastic cabinet with an integrated speaker stand mount, and has been equipped with two 1/4-inch and one Speakon input connector.

Compact and lightweight design makes the CX80 the perfect companion for the M8 powered mixer in the M8P1 prepackaged PA system solution.

Rounding out the package is the APEX850 dynamic cardioid handheld microphone. The low impedance, dynamic APEX850 is ideal for vocals as well as instrument and stage applications. It features an on/off switch and the same rugged metal construction as other Apex microphones including a one-piece molded cartridge. Included is a mic clip and mic cable. A pair of 25 foot 1/4" speaker cables is also in the package to facilitate proper connectivity between the M8 and CX80's.

Transportation of the M8P1 is a breeze with the two separate ergonomically designed padded carrying bags, included with the system. Bag one carries one CX80 speaker and the M8 powered mixer, bag two carries the other CX80 and the accessories kit. Each bag weighs less than 25 pounds fully loaded, making them the easiest way to pack, carry, and load a small PA. The two bags feature compartment dividers and can be securely attached together using a combination of velcro fasteners and a pair of plastic side-release buckles to simplify shipping and storage as a single unit if required.



M8P1 System Features

- M8 8 channel micro mixer
- Two CX80 lightweight loudspeakers
- APEX850 dynamic cardioid handheld microphone with mic clip
- One pair of 25 foot (7.62m) 18 gauge speaker cables
- One XLR to XLR mic cable
- Two padded nylon carry cases with zippered tops and
- separate M8/accessories section, velcro fasteners and plastic
- side-release buckles and adjustable-length carry strap

M8 Features

- Two 85-watt (at 4 ohm) power amps (170 watts at 4 ohm total)
- 8 inputs (4 mic / balanced line and 4 additional inputs on 2 stereo channels)
- Switchable phantom power on mic channels
- Combi-jack XLR & 1/4" inputs
- Four-band master EQ on the output
- One master auxiliary send with stereo returns
- Selectable source cueing and separate level control for control room / headphones output

APEX850 Features

- Dynamic cardioid pattern suitable for vocals as well as instrument and stage applications
- Rugged metal construction
- One piece molded cartridge
- XLR to XLR mic cable
- mic stand clip
- On/Off switch



Micromix Box Mixers

Just Plug and Play

MM4D

Four Channel Powered Box Mixer with Digital Effects Unit.

The MicroMix MM4D powered box mixer is the ideal PA solution for most applications where 150 watts (@4 ohms) is more than enough power, and four inputs are all that's required. Professional features like balanced XLR mic, 1/4-inch phone and dual RCA line inputs, onboard user controlled digital effects unit and tape outs (with separate level control) make the MM4D the perfect mixer for live PA, rehearsal, installation or announcement PA applications. The rugged and reliable MM4D has a scratch resistant front panel, durable carpet covering and metal corner protectors.



M1610 and M810

A new shape makes the Yorkville M1610 and M810 the most versatile high-powered compact mixers on the market. The convenience, lighter weight and small 'footprint' of a box mixer with the tilt-back visibility and channel control access of a desk mixer makes these new 'wedge' mixers an ideal high power, high quality powered mixer solutions.

High-powered high-efficiency class-H power amplifiers, newly designed input strips, on-board DSP and a new, more effective master EQ section and ten very useful and usable input channels complete the new 'wedge' mixer packages.

Both the M1610 and M810 offer 10 input channels. The first six have balanced XLR microphone and TRS balanced inputs, input trim control, three-band EQ, master volume and trim set light. The mono line inputs on channels 5 and 6 are pre-EQ'd for Hi-Z instrument level input, making them an ideal place to start when looking for that perfect live acoustic guitar or direct bass sound. With the input trim level is properly set, users will have ample overall gain while taking full advantage of the new clip elimination circuit that makes it virtually impossible to distort the input of the microphone and instrument channels.

In addition to the 6 mono microphone channels, the M810 and M1610 offer two discrete stereo input channels (channel 7 & 8, 9 & 10) each with three-band EQ and stereo TRS balanced inputs. Both stereo channels have an additional XLR balanced microphone input, making for a total of 8 potential microphone inputs, or 6 mono microphone inputs and two stereo line inputs.

The 1600-watt M1610 has two integrated 800-watt power amplifiers that can be assigned to power stereo mains, or a mono main and mono monitor mix.

The more cost effective 800-watt M810 has two integrated 400-watt power amplifiers. Either mixer's amplifier is attached to an innovative master EQ section designed specifically for these new mixers. The master EQ has a 9-band graphic EQ with additional high and low shelving EQ's at either end of the frequency band. The nine graphic sliders are essentially all of the middle bands of a 15-band graphic EQ with the low and high frequency bands covered by separate shelving controls. This gives the user more control over the feedback-prone mid frequency bands; with high and low tone-shaping frequencies controlled by additional simple +/- 15 dB trim controls.



Optional Rackmount Kit for M810 / M1610

The optional RK1610 allows simple and secure rack mounting of the M810 or M1610 wedge mixer. Simply remove the stock gables from the mixer, replace them with the RK1610 and the wedge mixer becomes a rack mount powerhouse.



Micromix Powered Mixer Specifications:

MODEL	M1610	M810	MM4D
POWER OUTPUT (Continuous):	800W (x2) @ 4 ohms 600W (x2) @ 8 or 2 ohms	400W (x2) @ 4 or 2 ohms 250W (x2) @ 8 ohms	150W @ 4 ohms
FREQ. RESPONSE, +/- 2dB (Tone Flat):	20 Hz to 20 kHz	20 Hz to 20 kHz	20 Hz to 20 kHz
THD (Main out w/-10dB input):	< 0.03%	< 0.03%	< 0.1%
HUM & NOISE:	-103dB	-103dB	-96dB
MASTER EQ:	(2x) 9-band (2/3 octave) graphic EQ w/addnl +/- 12dB high & low shelving EQ	(2x) 9-band (2/3 octave) graphic EQ w/addnl +/- 12dB high & low shelving EQ	-
EQ			
INPUT CHANNELS:	10	10	4
XLR BALANCED MICROPHONE INPUTS:	8 (Channels 1 to 6, 7+8, 9+10)	8 (Channels 1 to 6, 7+8, 9+10)	4 (Channels 1 to 4)
TRS BALANCED LINE INPUTS:	10 (1 thru 10)	10 (1 thru 10)	3 (1 to 3)
STEREO INPUTS:	3 stereo (7+8 / 9+10 / Aux Input)	3 stereo (7+8 / 9+10 / Aux Input)	RCA (Channel 4)
ACTIVITY LIGHTS:	all mono channels	all mono channels	-
CLIP INDICATORS:	all channels & master output	all channels & master output	Main Out
INPUT IMPEDENCE (Balanced)	22 kOhms	22 kOhms	22 kOhms
(unbalanced)	12 kOhms	12 kOhms	12 kOhms
INPUT SENSITIVITY:	1.4 Vrms Sine	1.4 Vrms Sine	1.4 Vrms Sine
MAX. GAIN TO LINE OUT (Mic Input):	+63 dB	+63 dB	+44 dB
(Line Input):	+56 dB	+56 dB	+24 dB
TYPICAL CROSSTALK:	less than -60 dB	less than -60 dB	less than -65 dB
MAX VOLTAGE GAIN:	32 dB	32 dB	24 dB
COMMON MODE REJECTION RATIO (Minimum)	54 dB	54 dB	N/A
(typical)	66 dB	66 dB	N/A
PHANTOM POWER:	yes	yes	-
CHANNEL EQ (All Channels)	3-band +/-15dB shelving EQ	3-band +/-15dB shelving EQ	Low, High
INTERNAL EFFECTS:	16-Bit; 255 Digital Effects	16-Bit; 255 Digital Effects	Digital Delay
RECORD OUT:	Stereo (RCA - L & R w/ level control)	Stereo (RCA - L & R w/ level control)	Yes (w/ level control)
SPEAKER OUTPUTS:	4 x 1/4-inch / 2 x Speakon	4 x 1/4-inch / 2 x Speakon	2 x 1/4"
REVERB / EFFECT FOOTSWITCH:	Yes - optional	Yes - optional	Yes - optional
POWER CONSUMPTION (typical) / (max):	360 VA / 960 VA	240 VA / 840 VA	110 VA / 320 VA
DIMENSIONS (DxWxH inches):	11 x 18 x 11	11 x 18 x 11	21.0 x 11.0 x 5.9
DIMENSIONS (DxWxH cm):	28 x 47 x 28	28 x 47 x 28	53.0 x 28.0 x 15.0
WEIGHT (lbs / kg):	29 / 13	27 / 12	25.0 / 11.5

Specifications subject to change without notice.

Audiopro Powered Mixers

Audiopro mixers combine the power and features most required for today's pro audio applications. They come with functional graphics, non-slip wrist-supports, color-coded rubberized knobs, 60mm slide pots and sturdy steel chassis finished in scratch-resistant, grey vinyl. Inside, our exclusive SilentFan™ cooling assures quiet operation and efficient heat dissipation. In the unlikely event that something goes wrong, you're covered by Yorkville's two-year (even if you break it!) unlimited warranty (valid in USA and Canada only).



- Powered console mixers
- 12 or 18 channel configurations
- 2 x 400 watts or 2 x 160 watts
- 255 Preset digital effects processor

AP818 Putting out more than 800 watts (2 x 400 watts), the eighteen channel AP818 stereo powered console mixer delivers the power and features required for demanding professional applications.

The AP818 is ideal for most recorded and live music applications. Mono channels include gain, three-band EQ (mid-frequency sweeps), EFX level and pan controls as well as a clip indicator. Channels 1 to 14 are mono with XLR and 1/4-inch phone jack inputs, while channels 15 to 18 are configured in stereo with RCA inputs and cueing switches. Patching includes switchable mains/monitor amp assignment along with enough inputs and outputs for external audio processing. Rear-mounted Speakon™ and 1/4-inch phone jacks are provided for flexible speaker output.

Other features include: internal SilentFan™ cooling which provides whisper-quiet heat dissipation, two assignable nine-band graphic EQs, a 255-preset footswitchable digital effects processor, phantom power, effects return fader, headphone jack, two LED VU meters, amp clip LEDs, easy access top-mounted input and output jacks, rubber-surround rotary knobs and an attractive, durable, baked-on finish.



AP812 The AP812 includes all of the power and features of the AP818 but has eight mono channels instead of fourteen. Channels 9 to 12 are configured in stereo, with RCA inputs and cueing switches for live or recorded music applications. Patching includes switchable mains/monitor amp assignment along with enough inputs and outputs for hassle-free external audio processing. The Speakon™ and 1/4-inch phone jacks are rear-mounted for convenient speaker output. Other noteworthy features include: SilentFan™ cooling for efficient heat dissipation and quiet, reliable performance, sweep-mid controls, two assignable nine-band EQs, a 255-preset footswitchable digital effects processor, phantom power, effects return fader, headphone jack, two LED VU meters, easy access top-mounted inputs and outputs, rubber-surround rotary knobs, smooth faders and an optional 19-inch rackmount kit (RK812).

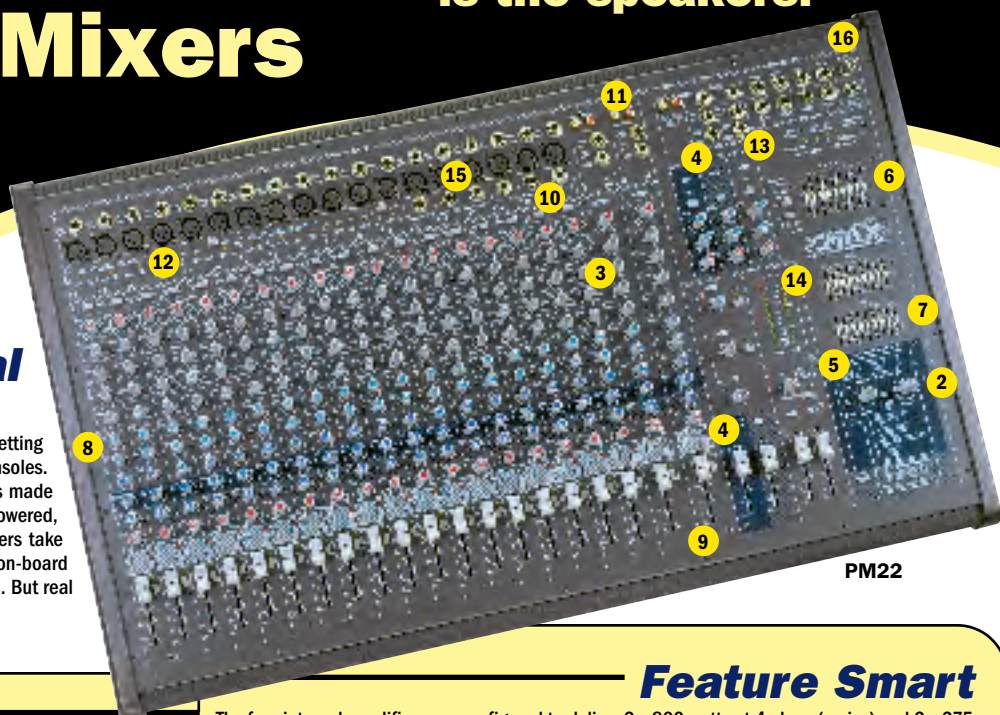
PowerMAX™ Powered Mixers

All you need
is the speakers!

A Total Solution

Since the mid '60s, Yorkville has been setting the pace for professional powered mixing consoles.

With a flare for practicality, Yorkville has always made their powered consoles easy to use, compact, high powered, dependable and feature-smart. The PowerMAX™ mixers take this concept to a new level. With over 2150 watts of on-board power, Yorkville has raised the bar for the competition. But real power is just the beginning of this story.



PM22

FEATURE CHECKLIST

- 1 Four internal amplifiers deliver 2 x 800 watts at 4 ohms (mains) and 2 x 275 watts at 4 ohms (monitors)
- 2 Dual mode digital effects processor (255 preset in stereo mode, dual 16 preset processors in mono mode)
- 3 Mid-frequency sweeps (four-way EQ on stereo channels)
- 4 Mute and solo switching on channels, sends and returns
- 5 Solo AFL/PFL select for more effective mix/channel tuning
- 6 Stereo nine-band graphic EQ on mains
- 7 Two nine-band monitor graphic EQs
- 8 Dual monitor sends (post EQ & pre-fader), aux and two effects sends (post EQ & fader)
- 9 Scratch resistant vinyl-coated front panels
- 10 Switchable hi-pass filtering (80Hz)
- 11 Metal phone jacks, balanced XLR, 1/4-inch phone and dual RCA inputs
- 12 Defeatable Channel Overload Protection (C.O.P.™)
- 13 Selectable speaker processor (50/80Hz)
- 14 Twelve-segment LED meter with peak hold
- 15 Inserts on top six mono channels and all amps
- 16 Phantom power

Feature Smart

The four internal amplifiers are configured to deliver 2 x 800 watts at 4 ohms (mains) and 2 x 275 watts at 4 ohms (monitors). Not only do the PowerMAX™ mixers have extremely powerful amplifiers, they also possess extensive, professional feature-sets - at very attractive prices. Standard features include: mid-frequency sweep controls, switchable hi-pass filtering, two monitor sends, aux send, two effects sends, mute and solo switching with AFL/PFL select, stereo graphic EQ for mains, two monitor graphic EQs, and a dual mode digital effects processor. Efficient cooling is via our exclusive SilentFan™ system which incorporates two 80mm variable-speed fans and ensures that the PowerMAX™ mixers do in fact stay cool. Connectivity and patching is effortless! The PowerMAX22™ has eighteen mono mic/line balanced channels and two stereo channels (19-22) while the PowerMAX16™ includes twelve mono mic/line balanced channel inputs and two stereo line level channels (13-16). Mono channels one to six (one to twelve on the PM22) also feature Yorkville's group-defeatable channel overload protection circuitry.

Other typically-Yorkville features include scratch-resistant vinyl-coated front panels, metal phone jacks, phantom power, balanced XLR, 1/4-inch phone and dual RCA inputs, gold plated connectors, high quality epoxy circuit boards coated with thick copper laminate and precision low-noise components.

Naturally the PowerMAX™ mixers come with Yorkville's two-year (even if you break it!) unlimited warranty (valid in USA and Canada only).

* Continuous maximum power output limited by available line current.



PM16

*Mixer Specifications on page 40

PowerMAX / Audiopro Specifications

Amplifier Section Specifications:

PowerMAX22™ and PowerMAX16™

	Mains (A + B)	Monitors (C + D)
POWER OUTPUT (0.1% THD, 1kHz)	Continuous Average with One Channel Driven	
8 ohms:	420 watts	140 watts
4 ohms:	800 watts	275 watts
2.7 ohms:	NA	275 watts
THD (1 kHz, 1 dB below full power):	< 0.02%	< 0.02%
HUM & NOISE (unweighted):	-100 dB	-100 dB
TYPICAL CROSSTALK (1kHz):	< -60 dB	< -60 dB
INPUT IMPEDANCE (Bal/UnBal):	22 kOhms / 12 kOhms	22 kOhms / 12 kOhms
INPUT SENSITIVITY (VRMS Sine):	1.4 V (800W / 4 ohms)	1.4 V (275W / 4 ohms)
CMRR @ 60Hz (Min/Typ):	54 dB / 66 dB	54 dB / 66 dB
MAX VOLTAGE GAIN:	32 dB	27 dB
PROTECTION:	Thermal / Load / DC	Thermal / Load / DC
COOLING:	2x Variable Speed DC Fan	2x Variable Speed DC Fan
TRANSFORMER TYPE:	Toroidal	Toroidal
TOTAL POWER CONSUMPTION:	660 VA (typical) / 1800 VA (max)	

Mixer Section Specifications:

Model	PowerMAX22™	PowerMAX16™
FREQ. RESPONSE (Tone & EQ Flat, +/- 2dB):	20 Hz to 20 kHz	20 Hz to 20 kHz
THD (Main out w/10dB input):	0.03%	0.03%
INPUT REFERRED NOISE (to line out):	-117 dBv @ 150 ohms	-117 dBv @ 150 ohms
PHANTOM POWER:	24 V + LED indicator	24 V + LED indicator
MAX. GAIN TO LINE OUT (Mic Input):	+63 dB	+63 dB
(Line Input):	+56 dB	+56 dB
DIGITAL EFFECTS PROCESSOR:	Dual Mode, 16 Bit; 255 Effects	Dual Mode, 16 Bit; 255 Effects
PRIMARY GRAPHIC EQUALIZER TYPE:	9 Band Stereo	9 Band Stereo
PRIMARY GRAPHIC EQUALIZER RANGE:	63 Hz to 16 kHz	63 Hz to 16 kHz
SECONDARY GRAPHIC EQUALIZER TYPES:	9 Band Mono x 2	9 Band Mono x 2
SECONDARY GRAPHIC EQUALIZER RANGE:	63 Hz to 16 kHz	63 Hz to 16 kHz
MONO CHANNEL EQ:	(ch.1 to 18) Low, Mid Sweep, Mid, High	(ch.1 to 12) Low, Mid Sweep, Mid, High
STEREO CHANNEL EQ:	(ch.19 to 22) Low, Low Mid, High Mid, High	(ch.13 to 16) Low, Low Mid, High Mid, High
EFFECTS SENDS / MONITOR SENDS	3 post fade / 2 pre fade	3 post fade / 2 pre fade
C.O.P.™ (channel overload protection):	1 to 12	1 to 6
CHANNEL INSERTS:	13 to 18	7 to 12
BALANCED XLR / 1/4" INPUTS:	18 / 22	12 / 16
UNBALANCED RCA INPUTS:	4	4
LINE LEVEL OUTPUTS:	L & R, Mon1, Mon2 (each 1/4" TRS)	L & R, Mon1, Mon2 (each 1/4" TRS)
LINE LEVEL INPUTS:	Amp A, B, C, D (each 1/4" TRS)	Amp A, B, C, D (each 1/4" TRS)
MAIN AMP OUTPUTS:	Amp A, Amp B (each 2 x 1/4" & Speakon™)	Amp A, Amp B (each 2 x 1/4" & Speakon™)
MONITOR AMP OUTPUTS:	Amp C, Amp D (each 2 x 1/4")	Amp C, Amp D (each 2 x 1/4")
MONITOR OUTPUTS (Euro Models):	Amp C, Amp D (1 of 1/4" & Speakon™)	Amp C, Amp D (1 of 1/4" & Speakon™)
MASTER EQ / MONITOR1 EQ / MONITOR2 EQ:	Yes / Yes / Yes	Yes / Yes / Yes
HEADPHONE MONITOR FEATURES:	Level, AFL/PFL Switch, 1/4" TRS Output	Level, AFL/PFL Switch, 1/4" TRS Output
INTERNAL EFFECT FOOTSWITCH:	Yes	Yes
12 VDC CONSOLE LAMP CONNECTOR (BNG):	Yes	Yes
VU METER:	2 x 12 LEDs with Floating Peak	2 x 12 LEDs with Floating Peak
SOLO SWITCHES, ACTIVITY/SOLO LED:	All Channels, Mon1, Mon2, EFX Returns	All Channels, Mon1, Mon2, EFX Returns
MUTE SWITCHES, CLIP/MUTE LED:	All Channels	All Channels
HI-PASS SWITCHES:	Channels 1 to 18	Channels 1 to 12
FINISH:	Scratch Resistant Vinyl-Coated Aluminum	Scratch Resistant Vinyl-Coated Aluminum
DIMENSIONS (inches / cm WxDxH):	34.3 x 19.8 x 5.6 / 87.2 x 50.3 x 14.3	28.0 x 19.8 x 5.6 / 71.2 x 50.3 x 14.3
WEIGHT (lbs / kg):	74 / 33.5	68 / 31

Amplifier Section Specifications:

AP818 / AP812

ONE CHANNEL DRIVEN (0.1% THD, 1kHz)	Cont. Avg. Power Output
8 ohms:	240 watts
4 ohms:	455 watts

BOTH CHANNELS DRIVEN INTO

VARIOUS LOADS (0.1% THD, 1kHz)	Cont. Avg. Power Output
8 : 8 ohms:	240 : 240 watts
8 : 4 ohms:	220 : 425 watts
8 : 2 ohms:	200 : 300 watts
4 : 4 ohms:	410 : 410 watts

THD (1 kHz, 1 dB below full power):	< 0.03%
HUM & NOISE (unweighted):	-101 dB
TYPICAL CROSSTALK (1kHz):	-66 dB
INPUT IMPEDANCE (Bal/UnBal):	22 kOhms / 12 kOhms
INPUT SENSITIVITY (VRMS Sine):	1.47 V (400W / 4 ohms)
CMRR @ 60Hz (Min/Typ):	54 dB / 66 dB
MAX VOLTAGE GAIN:	29 dB

System Specifications

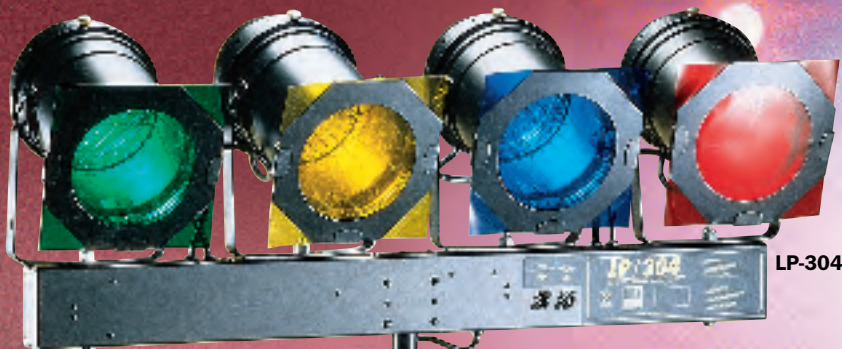
PROTECTION:	Thermal / Load / DC
COOLING:	Variable Speed DC Fan
TRANSFORMER TYPE:	Toroidal
POWER CONSUMPTION:	660 VA (typ) / 1200 VA (max)

Specifications subject to change without notice.

Mixer Section Specifications:

	AP818 / AP812
FREQ. RESPONSE (Tone & EQ Flat, +/- 2dB):	20 Hz to 20 kHz
THD (Main out w/10dB input):	0.03%
INPUT REFERRED NOISE (to line out):	-117 dBv @ 150 ohms
PHANTOM POWER:	24 V
MAX. GAIN TO LINE OUT (Mic Input):	+63 dB
(Line Input):	+45 dB
DIGITAL EFFECTS PROCESSOR:	16 Bit; 255 Effects
PRIMARY GRAPHIC EQUALIZER TYPE:	9 Band Assignable
PRIMARY GRAPHIC EQUALIZER RANGE:	63 Hz to 16 kHz
SECONDARY GRAPHIC EQUALIZER TYPE:	9 Band Assignable
SECONDARY GRAPHIC EQUALIZER RANGE:	63 Hz to 16 kHz
NUMBER OF CHANNELS:	18 / 12 / 12
AP818 CHANNEL EQ (ch.1 to 14):	Low, Mid Sweep, Mid Level, High
AP812 CHANNEL EQ (ch.1 to 8):	Low, Mid Sweep, Mid Level, High
AP312 CHANNEL EQ (ch.1 to 8):	Low, Mid Level, High
AP818 CHANNEL EQ (ch. 15/16 & 17/18):	Low, Mid, High
AP812 CHANNEL EQ (ch. 9/10 & 11/12):	Low, Mid, High
AP312 CHANNEL EQ (ch. 9/10 & 11/12):	Low, High
CHANNEL EFFECTS / MONITOR EFFECTS:	Yes / Yes
BALANCED XLR INPUTS:	12 / 8 / 8
BALANCED 1/4" INPUTS:	18 / 12 / 12
UNBALANCED RCA INPUTS:	4
MAIN OUTPUT / AMP INPUT:	Yes (2 x 1/4" TRS)
MONITOR OUT / MON. AMP IN:	Yes (1/4" TRS)
AP818 / 812 SPEAKER OUTPUTS:	4 x 1/4" & 2 x Speakon™
AP312 SPEAKER OUTPUTS:	4 x 1/4" (2 x Speakon™ - Euro only)
MASTER EQ / MONITOR EQ:	Yes
HEADPHONE MONITOR:	Yes (Switchable)
REVERB / EFFECT FOOTSWITCH:	Yes
FINISH:	Grey, Scratch-Resistant Vinyl
RACKMOUNT:	19" (Optional) - AP812 / 312 only
DIMENSIONS OF AP818 (WxDxH inches / cm):	25.3 x 18.0 x 5.5 / 64.3 x 45.7 x 14.0
DIMENSIONS OF AP812 / 312 (WxDxH inches / cm):	19.0 x 18.0 x 5.5 / 48.3 x 45.7 x 14.0
WEIGHT AP818 / 812 / 312 (lbs):	43.0 / 38.0 / 38.0
(kg):	19.5 / 17.3 / 17.3

Specifications subject to change without notice.



LP-304



LP-302

Lighting Systems

Yorkville lighting systems are easy to operate, compact, sophisticated and will often outperform larger, more expensive rigs. The basic system consists of a pair of LP-304 or LP-302 light bars with built-in dimmers and an LP-608 foot controller. Simply put the bars on stands and plug them into standard wall receptacles. Link the bars to the LP-608 foot controller using standard XLR microphone cables and you have up to eight channels of lights - enough to illuminate a small stage or club easily.

LP-304 Dimmer Bar

Each bar consists of four 300-watt Par 56 cans (spots), swivel mounted on a steel frame which houses a four channel dimmer pack and comes supplied with four colored gels. Standard XLR balanced microphone cables are used as control cables and an optional MIDI to XLR interface box is available to allow the LP-304 to be used with standard MIDI devices. For maximum flexibility the dimmer bars may be used in parallel by daisy chaining the control cables. SKS-21B lighting stands are sold separately.

LP-302 Dimmer Bar

The Yorkville LP-302 lighting bar consists of two 300-watt Par 56 cans (spots) on a short, lightweight standmount bar. The integrated dimmer pack in the LP-302 can be connected to Yorkville's LP-608 light controller via standard XLR balanced microphone cables, or can be turned on and off via a single optional one button footswitch like our AFS-1. Link outputs for both the XLR and 1/4-inch footswitch jacks allow multiple LP-302's to be daisy-chained together for more complex lighting scenes, or used in systems with Yorkville's LP-304 four-can light bars.



LP-608 Foot Controller

This compact and versatile lighting controller does not require AC and permits manual, footswitch or MIDI operation. Microprocessor controlled functions include: eight channels, six preset scenes, six effects (including chase, random flash and colour organ), audio trigger and MIDI operation. Scene memory is automatically stored as adjustments are made and remains in memory even after the system is powered down. The rugged footswitches are touch-sensitive in manual mode and feature sturdy construction to provide many years of reliable service.

Specifications:

DIMMER	LP-304	LP-302
POWER CONSUMPTION:	1200 W (4 x 300W bulbs)	600 W (2 x 300W bulbs)
LAMP TYPE:	Par 56 NSP	Par 56 NSP
STAND MOUNT SIZE:	1 3/8-inch round	1 3/8-inch round
CONTROL CABLE:	XLR	XLR / 1/4-inch on/off footsw
DIMENSIONS (WxHxD inches/cm):	40 x 16 x 17 / 102 x 41 x 43	20.5 x 16 x 17 / 54 x 41 x 43
WEIGHT (lbs/kg):	40 / 18	TBA
LP-608	15mV/pA 9-36.5 dB = 1V/pA	
OUTPUT CHANNELS:	8 (2 x 4)	
PRESET SCENES:	6	
EFFECTS:	6	
AUDIO INPUT:	1 to 100 volts	
MIDI INPUT:	accepts channels 1 to 16	
DIMENSIONS (WxHxD inches/cm):	22 x 2.3 x 10 / 56 x 6 x 25	
WEIGHT (lbs/kg):	18 / 8	

Specifications subject to change without notice.

YSM1i Contemporary Passive Studio Monitors



For more than a decade the YSM1 has been a vital mixing tool for the serious studio engineer, widely accepted as one of the most transparent and wide response small format studio monitors available on the market. Carrying forward the standard set by the original, the newest iteration of Yorkville's passive studio monitor, the YSM1i, has upgraded the cosmetics without affecting its outstanding performance.

Like the original YSM1, the YSM1i is a compact, two-way, near-field studio monitor designed to accurately reproduce the signal from a recording and mixing chain without contributing sonic coloration. It has clarity and bass response that you would expect to hear from a much larger cabinet and is suitable for home and project-studio recording as well as sound reinforcement applications. It reproduces timbres with near pinpoint accuracy and produces pristine sound that defines the finest details and harmonics of the input signal.

The YSM1i features a 1-inch soft-dome, ferrofluid-cooled tweeter and a 6 1/2-inch foam-surround woofer arranged in a symmetrical, vertical configuration with the drivers mounted slightly forward to minimize reflections off the cabinet face. A precisely tuned 2-inch cylindrical port directly below the woofer increases bass response and allows cabinet size to be kept compact. The internal crossover network is a 'tried and true' design consisting of a 12dB / octave low-pass filter and a 6dB / octave high-pass filter with a crossover point at 2.5 kHz. This proven design is functional, efficient and highly resistant to failure. Speaker cables are secured with gold-plated binding posts that also accept banana plugs.

The rock-solid YSM1i is constructed of 3/4-inch MDF with a 3/4-inch thick PVC clad MDF baffle, and features heavy internal bracing as well as ample internal dampening material ensuring that there is no unwanted bass resonance.

The cabinet is finished in an attractive, charcoal gray vinyl that resists scuffs and is easily cleaned. The YSM1i exhibits impressive bass response and well-articulated and balanced mid-range & treble resulting in a sound that is tight and well controlled without overshoot or flabbiness. In addition, stereo imaging is very good, resolution is consistent in every frequency range and bass response is excellent. The monitors excel at placing incredibly detailed, uniform sound across a relatively wide area allowing good variation in optimum listening location. Designed by Yorkville's team of engineers using state-of-the-art computer technology, the YSM1i features the best price to performance value on the market.

Studio Monitor Specifications:

Model	YSM1i	YSM1p
System Type	2-Way Studio Reference Monitor	2-Way Studio Reference Monitor
Active or Passive	Passive	Active
Program Power (watts)	70	115
Bi-ampable	No	Self Powered
Bi-amp Operation Only	-	Yes
Nominal Impedance (Ohms)	6	-
Sensitivity (dB @1watt/1m)	90	90
Frequency Response (Hz +/- 3db)	40 - 20k	40 - 20k
Crossover Frequency (Hz)	2500	2500
Driver Configuration	1 inch, 6.5 inch	1 inch, 6.5 inch
HF Driver(s)	1 inch Soft (Silk) Dome Medium Viscosity Ferrofluid Cooled	1 inch Soft (Silk) Dome Medium Viscosity Ferrofluid Cooled
HF Program Power (watts)	-	30
HF Protection	-	Tweeter Overpower
LF Driver(s)	6.5 inch Foam Surround	6.5 inch Foam Surround
LF Program Power (watts)	-	85
LF Protection	-	Woofer over-excursion
Shielding	Dual Magnet on Woofer and Tweeter	Dual Magnet on Woofer and Tweeter
Total Power (watts)	70	115
HF Power Amplifier (watts)	-	30
HF Distortion	-	less than 0.05%
LF Power Amplifier (watts)	-	85
LF Distortion	-	less than 0.05%
Cooling Scheme	-	Passive
Power Cable	-	Yes (Removable)
Power Switch	-	Yes
Inputs - Dual Binding Post	1	-
Inputs - 1/4" Jacks / XLR	-	1 (Combi-Jack)
Input Sensitivity (Vrms Sine)	-	1.0
Level Controls	-	Input Trim (+9/-6dB)
Limiter	-	On/Off Switch
LED Indicators	-	Clip-Red, Power-Blue Front Mounted
Other Controls / Features	-	Environmental Processor w/ Four Dip Switches HF Reflection Optimization +/-2dB boost/cut 10-20kHz LF Efficiency Factor +/- 2dB boost/cut 20-80Hz / Full Space / 1/2 Space / 1/4 Space
Enclosure Materials	MDF Wood	MDF Wood
Baffle Material	Gray PVC Clad MDF Wood	Gray PVC Clad MDF Wood
Port(s)	Tuned 2-inch Cylindrical	Tuned 2-inch Cylindrical
Other Details	Shipped in Mirrored Pairs.	Shipped in Mirrored Pairs.
Dimensions (DxWxH inches)	9 x 10 x 16	11 x 10 x 16
Dimensions (DxWxH cm)	23 x 25 x 41	28 x 25 x 41
Weight (lbs / kg)	18 / 8	25 / 11.5

Specifications subject to change without notice.

YSM1P **Bi-amplified** Active Studio Monitors



There are huge advantages in choosing active studio monitors for the studio. There is a substantial cost saving in buying a system where the power amplifier is incorporated into the loudspeaker monitor. The physical advantages of having the power amplifier and the loudspeaker cabinet in one unit seem obvious especially when your recording system of choice might be one of the 'all in one' digital recording stations currently available. What might seem less obvious are the technical advantages of Active monitor systems.

High quality recording systems and computer based direct to drive recording systems make great demands on your studio monitors, sharp attack transients, wide dynamic range and wider frequency responses can be punishing to a monitor system not up to the task. Since the power amplifier section is physically attached to the loudspeaker, it is designed as a complete closed system.

In an active 'system' the power amplifier limiting can be tweaked to know the exact physical limitations of the speaker components. EQ and filtering can be designed into the circuitry to take maximum advantage of the tonal characteristics of the loudspeaker box. If the monitor is bi-amplified, the electronic crossover and separate power modules mean far superior performance that you will hear in the engineer's chair. Bi-amplification means high frequency horn and bass speakers are driven independently, more efficiently and with greater definition and clarity.

Yorkville Sound's YSM1P is a prime example of the ideal active studio monitor solution. The YSM1P uses the same cabinet as and similar components to the popular original Yorkville YSM1, including a rugged 6.5-inch shielded 100-watt woofer and shielded 1-inch silk dome tweeter. What is new is a cylindrical port directly below the woofer that significantly increases bass response and allows cabinet size to be kept compact.

The YSM1P incorporates a bi-amplified power module that delivers 115 watts (85 watts of power to the woofer, 30 watts to the tweeter) and features +9/-6dB input trim, defeatable limiter and specialized tweeter overpower limiting and woofer over-exursion limiting.

Unique to active near-field monitors in this price range, the YSM1P features user selectable filtering. A series of dipswitches on the back of the monitor allows the engineer to select overall tone shaping for the cabinet. This allows the end user to tune the monitor for location, (i.e., full space for use centered in the room (+2dB boost at 20Hz to 80Hz) 1/2 space for use against a flat wall (0dB boost or cut), or 1/4 space for use in corners (-2dB at 20Hz to 80Hz).

This ensures more flat frequency response, regardless of location in home studio, writing room or professional studio. An additional user selectable high frequency filter (+2dB boost at 10kHz to 20kHz) has been added to allow further tweaking of the monitor to individual tastes. Inputs are XLR and 1/4-inch TRS balanced. The YSM1P features a blue power LED and a red input clip LED on the front of the monitor for quick and easy status checking from the engineer's chair.

The YSM1P is a compact, active, near-field studio monitor designed to accurately reproduce the signal from a recording and mixing chain without contributing sonic coloration. It has clarity and bass response that you would expect to hear from a much larger cabinet and is suitable for home and project-studio recording facilities. It is also the ideal near-field monitor for MIDI rooms, post-production facilities, writing rooms or for use with any of the 'all in one' digital recording stations available today.

It reproduces timbres with near pinpoint accuracy and produces pristine sound, which defines the finest details and harmonics of the input signal. The rock-solid YSM1P is constructed of 3/4-inch MDF with a 3/4-inch thick PVC clad MDF baffle, and features heavy internal bracing as well as ample internal dampening material, ensuring that there are no unwanted bass resonances.



YSM2P Studio Monitor

High quality digital workstations and computer-based direct-to-drive recording systems make great demands on your studio monitors. Sharp attack transients, wide dynamic range and wider frequency responses can be punishing on any monitor system not up to the task. Often the best solution for today's home and project studios is an active monitor system, like the Yorkville YSM2P active studio monitor.

The YSM2P is a compact, bi-amplified, active, near-field studio monitor designed to accurately reproduce the signal from a recording and mixing chain without contributing sonic coloration. A 1-inch domed Mylar tweeter and 5 1/4-inch low-resonance woven laminate cone woofer deliver maximum clarity and smooth low frequency response. It reproduces timbres with near pinpoint accuracy and produces pristine tone, which defines the finest details and harmonics of the input signal.

In an active studio monitor like the YSM2P, the integrated power amplifiers that drive the high and low frequency drivers are tweaked to know the exact physical limitations of the speaker components. This allows the monitors to deliver maximum volume while protecting the loudspeaker components. EQ, high and low pass filtering has been integrated into the design to take maximum advantage of the tonal characteristics of the loudspeaker box. As in any bi-amplified system, the YSM2P's high frequency tweeter and bass woofers are driven independently, with much higher efficiency and greater definition and clarity.

The YSM2P is the ideal near-field monitor for midi rooms, 5.1 surround suites, post-production facilities, writing rooms or for use with any of the 'all in one' digital recording stations available today.



Studio Monitor Specifications:

Model	YSM2p
System Type	2-Way Studio Reference Monitor
Active or Passive	Active Bi-amplified
Program Power (watts)	46
Frequency Response (Hz +/- 3db)	70 - 19k
Crossover Frequency (Hz)	2000
Driver Configuration	1 inch, 5.25 inch
HF Driver(s)	1 inch Polyester Dome
	Medium Viscosity Ferrofluid Cooled
HF Program Power (watts)	14
HF Protection	Tweeter Overpower
LF Driver(s)	5.25-inch Woven Laminate cone
LF Program Power (watts)	32
LF Protection	Woofer over-exursion / Thermal
Shielding	Bucking Magnet
Total Power (watts)	46
HF Power Amplifier (watts)	14
HF Distortion	less than 0.05%
LF Power Amplifier (watts)	32
LF Distortion	less than 0.05%
Cooling Scheme	Passive
Power Cable	Yes (Removable)
Power Switch	Yes
Inputs - 1/4" Jacks / XLR	1 (TRS) / 1 XLR
Input Sensitivity (Vrms Sine)	0.25
Level Controls	Input Trim (+9/-6dB)
Enclosure Materials	MDF Wood
Baffle Material	Gray PVC Clad MDF Wood
Port(s)	1-inch Vented
Other Details	Shipped in Mirrored Pairs.
Dimensions (DxWxH inches)	10.5 x 7.6 x 11.5
Dimensions (DxWxH cm)	26.6 x 19.4 x 29.2
Weight (lbs / kg)	12 / 5.4

Specifications subject to change without notice.

YSS1 Active Studio Subwoofer

Demand for additional bottom end support in the studio has led to the introduction of active subwoofers specifically designed for the studio. Today's music demands more bass, especially when synth bass and samples are the norm.

The Yorkville YSS1 Active Studio Subwoofer answers the call. Features like a 150-watt integrated power amplifier, a high quality MDF cabinet loaded with a single 12-inch high performance speaker make the YSS1 is ideal for any professional studio, project studio or 5.1-surround mix station.

A frequency response of 35 to 150Hz means the Yorkville YSS1 is capable of reinforcing the bottom end in virtually any mix situation. The power module controls include a variable frequency selectable crossover, tunable from 60 to 150Hz, a volume control and phase reverse switch to ensure it's working with whatever monitors you choose for the top end of your mix.

A pair of XLR / 1/4-inch TRS combi-jack balanced inputs, as well as RCA unbalanced inputs are provided. Internal pre-amp ensures stereo input sources are summed in phase to the integrated mono amplifier. Two transparent XLR balanced stereo outputs (or thru-puts) are provided to pass stereo input signal through to feed full range active nearfield monitors or additional power amplifier(s) for passive monitor loudspeakers.

The Subwoofer Bypass Footswitch

One ingenious (and essential) feature of the YSS1 Studio Subwoofer is a bypass footswitch function on the rear panel. This bypass function allows the engineer to remotely take the subwoofer out of the signal path and pass the full range mix through to the near-field monitors using the optional Yorkville AFS1 footswitch. During the recording process this allows you to quickly slip between a quiet nearfield mix for tracking, and a full-on subwoofer reinforced high volume playback to get a feel for the track in the final mix.

This will give anyone in a home or project studio without the space or the budget for separate nearfield and fullfield monitor systems the ability to toggle back and forth between a 'quiet mix' and a 'loud mix' easily and conveniently. This is essential for making music that sounds as good in a club, a theatre or on a CD as it does in your control room.

Although designed for the studio, the YSS1 may be the ideal subwoofer solution for small clubs, large home theatre systems and for restaurant / bar systems, especially when paired with the YSM1P active studio monitors handling the high end.



YSS2 Active Studio Subwoofer

The ultra-compact xx-watt Yorkville YSS2 active studio subwoofer is the ideal companion for any DAW, project or midi studio where additional bottom end in the monitoring system is required, yet space may be at a premium. Designed for easy hook-up to any source, the YSS2 offers stereo RCA In / Outs for connection between mixer and active near field monitors, as well as speaker push terminal In / Outs for connection between power amplifier and passive full range cabinets.

Stereo inputs are summed to create a mono subwoofer mix in the YSS2's power module, while the stereo source input is passed through the system via additional RCA or speaker push terminal thru-puts to the near field monitor system.

Controls on the YSS2 Studio Subwoofer include level control, phase inversion switch and selectable sweepable high pass filter (50 to 200Hz). The YSS2 features an auto on function that powers up the system when signal appears at either RCA or speaker level input.

Specifications: YSS1 Active Subwoofer YSS2 Active Subwoofer

Specifications:	YSS1 Active Subwoofer	YSS2 Active Subwoofer
System Type	Studio Subwoofer	Compact Studio Subwoofer
Active or Passive	Active	Active
Program Power (watts)	150	150
Max SPL (dB)	125	105
Frequency Response (Hz +/- 3db)	35 - 150	50 - 150
Driver Configuration	12-inch	10-inch
LF Power Amplifier (watts)	150	150
Balanced Inputs	XLR / TRS 1/4-inch combi-jacks x 2	-
Unbalanced Inputs	RCA x 2	RCA x 2
Speaker Level Input/Thru	-	Speaker push terminals x 2 (Inputs/Outputs)
Transparent Outputs	XLR-M x 2 (Balanced)	RCA x 2 (Unbalanced)
Level Controls	Main Volume	Main Volume
Other Controls / Features	Selectable Low pass filter, input Phase-flip Switch	High pass filter, input Phase, Auto On
Enclosure Materials	3/4-inch MDF	3/4-inch MDF
Dimensions (DWH, inches)	20.5 x 13.75 x 16.75	15 x 14.5 x 15
Dimensions (DWH, cm)	52 x 35 x 41	380 x 370 x 380
Weight (lbs/kg)	44 / 20	TBA



Specifications subject to change without notice.

Suggested Systems

YX Series solutions



YX System: One

- MicroMix MM4D Powered Mixer
- Yorkville YX10 Loudspeakers (2)
- SKS-11B Aluminum Speaker Stands (2)

Features: Mixer: Four channel box mixer, 150 watts w/ XLR, 1/4-inch and RCA inputs with EQ on each channel as well as RCA master in / out for recording and Digital Effect (delay) on board. Speakers: Two-way (10-inch and horn) loudspeakers w/ CTL™ protection scheme. Ideal for public speaking events, background music playback, light acoustic and vocal PA for venues up to 125 people.



YX System: Two

- MicroMix M810 Powered Mixer
- YX15 Loudspeakers for Mains (2)
- YX12 Loudspeakers for Monitors (2)
- SKS-11B Speaker Stands (2)

Features: Mixer: Ten-channel 'wedge' mixer format with 400 watts mains & 400 watts monitors. XLR and 1/4-inch balanced inputs and additional stereo inputs on channels 7 & 8, 9 & 10. RCA record outs / expanded graphic EQs w/ overall high & low shelving EQ with Digital effects and Phantom power. Speakers: Two-way (15-inch and horn) loudspeakers w/ CTL™ protection scheme for main PA and additional two-way (12 and horn) enclosures w/ CTL™ protection for use as monitors. Ideal for jazz, acoustic and vocal PA, midi duos, karaoke for venues up to 250 people.



YX System: Three

- YX15P Powered Loudspeakers (2)
- YX18S Passive Subwoofer (2)
- AudioPro AP1020 Power Amplifier (to power Subwoofer)
- SW-Tube 41-inch Subwoofer mounted Speaker Stand (2)

Plug and play with any unpowered mixer.

Features: Self-powered YX15P full range loudspeakers direct connect to any mixer source. The 200-watt bi-amplified 15-inch and horn system delivers enough volume for any small performance, vocal PA, background music or small DJ function. The addition of the YX18S passive subwoofer with built in low pass filter means the sub can be added to the system for increased low frequency output without adding complicated crossover network. Just connect the power amplifier to the source mixer, plug in the YX18S subs and start the show. Top mounted stand adaptors in the YX18S mean the full range YX15P's in this setup can be elevated above the crowd with simple SW-Tube stand adaptors.



YX System: Four

- YX215 Loudspeakers (2)
- YX18S Passive Subwoofer (2)
- AudioPro AP1020 Power Amplifier (2)

Features: The YX215's dual 15-inch drivers and horn configuration makes them the loudest cabinet in the YX Series. Ideal for any PA or DJ application needing a cost effective high-powered full range solution, a pair of YX215 cabinets are easily powered by a single AP2020 power amplifier. The addition of four YX18S passive subwoofers with built in low pass filters means the subs can be added to the system for increased low frequency output without adding complicated crossover network. One AP2020 can easily power all four of the subwoofers in this configuration.

NX Series solutions



NX System: One

- MicroMix M810 Powered Mixer
- NX35 Loudspeakers (2)
- Yorkville SKS-11B Speaker Stands (2)

Features: Mixer: Ten-channel 'wedge' mixer format with 400 watts mains & 400 watts monitors. XLR and 1/4-inch balanced inputs and additional stereo inputs on channels 7 & 8, 9 & 10. RCA record outs / expanded graphic EQs w/ overall high & low shelving EQ with Digital effects and Phantom power. Speakers: Two-way (12-inch and horn) loudspeakers for main PA w/ CTL™ protection scheme. Ideal for jazz, acoustic and vocal PA, midi duos, karaoke for venues up to 200 people where monitors are not required. Active loudspeakers like the NX25P can easily be added to the system at any time for use as monitors.



NX System: Two

- NX25P Active Loudspeakers (2)
- NX200S Active Subwoofers (2)
- SW-Tube 41-inch Subwoofer mounted Speaker Stand (2)

Plug and play with any unpowered mixer.

Features: Speakers: Bi-amplified 200-watt self-powered full range loudspeakers with 200 self-powered subwoofer make this the ultimate compact plug and play system to run with any unpowered PA or DJ mixer, no additional power amplifiers, crossovers or EQ's are required. Enough power for any live music or DJ performance up to 300 people.



NX System: Three

- MicroMix M1610 Powered Mixer
- NX35 Loudspeaker Speakers for Mains and Monitors (4)
- Yorkville SKS-11B Speaker Stands (2)

Features: Mixer: Ten-channel 'wedge' mixer format with 800 watts mains & 800 watts monitors. XLR and 1/4-inch balanced inputs and additional stereo inputs on channels 7 & 8, 9 & 10. RCA record outs / expanded graphic EQs w/ overall high & low shelving EQ with Digital effects and Phantom power. Speakers: Two-way (12-inch and horn) loudspeakers for main PA and additional two-way (12 and horn) multi-application NX enclosure w/ CTL™ protection scheme used as monitor. System can easily handle additional monitors (up to four 8-ohm cabinets). Ideal for jazz, acoustic rock / pop and vocal PA, midi duos, karaoke for venues up to 500 people.



NX System: Four

- MicroMix M1610 Powered Mixer
- NX600 Loudspeakers for Mains (2)
- NX25P Loudspeakers for Monitors (2)
- SKS-21B Speaker stands (2)

Features: Mixer: Ten-channel 'wedge' mixer format with 800 watts mains & 800 watts monitors. XLR and 1/4-inch balanced inputs and additional stereo inputs on channels 7 & 8, 9 & 10. RCA record outs / expanded graphic EQs w/ overall high & low shelving EQ with Digital effects and Phantom power. Speakers: Two-way (15-inch and horn) loudspeakers for main PA, driven to full power by the box mixer. Additional two-way (12 and horn) multi-application self-powered NX enclosures used as monitors. System can easily handle additional active monitors each with individual level control for each artist. Ideal for jazz, acoustic rock / pop and vocal PA, midi duos, karaoke for venues up to 500 people.

more Suggested Systems

élite Series solutions

élite System: One

- MicroMix M1610 Powered Mixer
- élite E10 Loudspeakers (4)
- élite EP10 Processor
- élite LS200P Powered Subwoofer
- Yorkville SKS-11B Speaker Stands

Features: 10 channels / 800 watts mains / 800 watts monitors / XLR and 1/4-inch balanced inputs / Additional stereo inputs on channels 7 & 8, 9 & 10 / RCA record outs / expanded graphic EQ w/ overall high & low shelving EQ / Digital effects / Phantom power / Extremely small but powerful two-way (10-inch & horn) loudspeakers for main PA and monitors with single 200 watt powered subwoofer / Speakers and monitors have PTC™ protection scheme / Processor pre-eq's system (making it even more efficient) and provides electronic crossover for the bass bin, and high pass filter for the monitor mix.

Ideal for jazz, folk, acoustic, country and vocal PA. Also great for midi duos, karaoke for venues up to 250 people requiring high fidelity and clarity in a compact complete system.



élite System: Two

- Audiopro AP812 Powered Mixer
- élite E12 Loudspeakers (2)
- élite E10 Loudspeakers (as monitors) (2)
- élite LS200P Powered Subwoofer (2)
- or LS700P Powered Subwoofer (1)
- EP1215 Processor
- EP10 Processor
- SW-Tube Speaker Poles

Features: 12 channels / 1100 watts mains (including powered subwoofer) / 400 watts monitors / XLR and 1/4-inch balanced inputs and 3-band sweep mid EQ on 8 channels / additional 2 stereo channels w/RCA inputs and 3-band fixed mid EQ / 2 x 9-band EQ / Digital effects / Phantom power / Another small but powerful two-way (12-inch & horn) loudspeakers for main PA and Additional two-way (10-inch & horn) enclosures with 200 watt powered subwoofers / Convenient desk style mixer with sweep mid EQ's / Speakers and monitors have PTC™ protection scheme / Processor pre-EQ's system (making it more efficient overall) and provides electronic crossover for additional bass bin / Processor will also act as high pass filter for monitor mix.

Ideal for rock and pop acts, louder midi duos, or karaoke for venues up to 350 people and medium sized club venues.



Adrenalin Series solutions

élite System: Three

- PowerMAX PM16 (or PM22) Powered Mixer
- élite E15 Loudspeakers (2)
- élite EM378 Monitor Speakers (4)
- élite LS700P Powered Subwoofer (2)
- EP210 Processor
- EP378 Processor
- SW-Tube Speaker Poles

Features: This is as big as it gets in powered mixers / Up to 22 input channels / 2400 watts mains (including the powered subs) / 550 watts of monitors with two discreet monitor mixes and separate graphic EQ's / stereo 9-band main EQ / Digital effects / phantom power / XLR and 1/4-inch balanced inputs / High pass filters / Channel overload protection or inserts on all input channels / Easy to set up and operate / Two-way highly efficient 15-inch and horn loudspeakers / powered subwoofers / Drives up to 4 monitors easily as well as the main PA from the one powered mixer / Convenient, complete and compact full PA.

Ideal for any live band in venues up to 600 people. Complete and compact high power PA.



Adrenalin System: One

- Adrenalin A15 Club System Loudspeakers (2)
- Adrenalin A215S Club System Subwoofers (2)
- AudioPro AP4020 Power amplifier (1)

Features: Adrenalin Club System loudspeakers are designed for easy plug in and play performance. The passive low pass filter in the subwoofer allows the full range speakers and subs to be driven from one amplifier, without complicated external crossover or additional amplification. Ideal for any DJ application where 1200 watts per side is enough to meet the audience expectations. Weddings and parties up to 500 people, dances nightclub environments up to 250.



Unity Series solutions



Unity System: One

- Unity U15P Active Full Range Loudspeaker (2)
- Unity UCS1P Active Subwoofer (2)

The Ultimate High Definition Plug in and play PA with any unpowered mixer source.

Features: The simplest and most effective way to run a Unity™ active system for live or DJ applications. This active configuration delivers 4800 watts with stereo highs, mids and subwoofers in a system that direct connects to any mixer source. Integrated DSP in the U15P full range cabinets affects the crossover to the subwoofer and has built in delays for phase / time compensation between top and subwoofer cabinets.



Unity System: Two

- Unity U15 Full Range Loudspeakers (2)
- UCS1 Passive Subwoofers (2)
- AP4040 (1)
- AP4020 (1) (Bridged Mono)
- UP15 Processor

Features: The best solution for running a basic passive Unity™ system with external amplification. This configuration may be preferred in applications where distributed AC power requires all amplification to be located at one source with loudspeaker enclosures connected by simple speaker cable runs. This setup also delivers 4800 watts this time with stereo highs and mids and a mono subwoofer mix for increased bottom end punch.



Unity System: Three

- Unity U15 Full Range Loudspeakers (2)
- UCS1 Passive Subwoofers (4)
- AP2020 (1) (HF)
- AP4040 (1) (LF)
- AP6040 (1) (Subs)
- UP15 Processor (Biamp Mode)

Features: When more power and more room coverage is required, this Unity™ system configuration takes advantage of the cabinet and processor's bi-amplification option. This system offers more control of the individual high, mid and sub frequencies. This 7600-watt system can function in any large room where wide coverage and a high degree of intelligibility through the vocal range is a must.

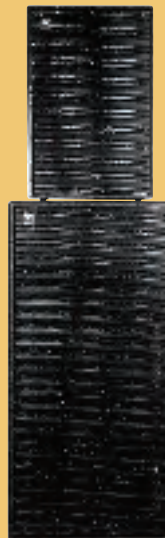
TX Series solutions



Unity System: Four

- Unity U215 Full Range Loudspeaker (2)
- Unity UCS1 Passive Subwoofers (4)
- AP4040 (2) (Driving two U215's in bi-amp mode)
- AP6040 (1) (Subwoofers)
- UP215 Processor (Biamp Mode)

Features: This 9200-watt configuration is the ideal high volume yet highly mobile Unity™ package. Additional midrange from the dual 15-inch drivers in the U215's make this system the best Unity™ option for raves, high volume live rock gigs and club system PA.



TX System: One

- 2 x TX4 Two-way enclosures
- 2 x TX9S Subwoofer
- 1 x TX4P Processor
- 1 x AP800 (HF)
- 1 x AP2020 (LF)
- 1 x AP6040 (Subs)

Power 5600 watts



TX System: Two

- 4 x TX8 Three-way enclosures
- 6 x TX9S Subwoofers
- 1 x TX8P Processor
- 1 x AP2020 (HF)
- 1 x AP2020 (MF)
- 2 x AP4040 (LF)
- 3 x AP6040 (Subs)

Power 18400 watts



Inspiration + Innovation = Common Sense Solutions.

Pete Traynor and Jack Long joined forces in 1963. Jack, then the owner of a successful Toronto area music store, saw promise in Pete, a young bass player with unique skill as a repair man. Later, as it turned out, Pete could design things as well. His creative and innovative solutions to everyday problems faced by musicians led to some of the most successful products in our history. Some of those original Pete Traynor inventions still have

direct descendants in our product line to this day. Products like our powered mixers, wedge monitors, compact lighting systems, and guitar amps with master volume control are all Yorkville innovations.

The products we make are built tough enough for the road, clean enough for the studio, and loud enough for any stage or concert hall. State-of-the-art technology is packaged into easy to use, great sounding products that are made for making music. Since the goal is often to be a musician, not a technician, our products have the features you need and the controls are always well thought out and clearly labeled.

Effective simplicity was the goal we set for our new line of amplifiers. Active filtering circuits allow effective tonal shaping with fewer knobs and switches. You get the sound you want quickly and easily from a Yorkville amp. Inside we use high-grade glass epoxy circuit boards, low noise metal film resistors and phone jacks with gold plated contacts. Outside you will find heavy-gauge curved metal speaker grilles, plywood construction and rugged carpet covering. Add rigorous factory testing and our unbeatable two year (EVEN IF YOU BREAK IT!) Unlimited Transferable Warranty* and you can be sure you've got what you need to reliably sound your best for years to come.

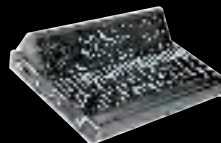
In keeping with our philosophy and reputation as an industry leader, Yorkville has a significant Internet presence. Check out our frequently updated web site at www.yorkville.com. It contains a wealth of information about our products, links to other valuable sites, and related industry information we have gathered for your convenience and education. We firmly believe that a well-educated customer will appreciate the features and benefits of our products.

*Warranty valid in USA and Canada only.

Yorkville Innovations

Since 1963, Yorkville has been a leader in design and innovation. You may be surprised to find that Yorkville first developed some of the products that are now considered standards in our industry. The first commercially available 24 channel mixer, the first tube guitar amp with a master volume control, the first commercially produced graphic EQ and the first wedge monitor are all Yorkville inventions. Shown here are some of Yorkville's most significant innovations along the long road that is our history.

Yorkville amplifiers and mixers are covered by the best warranty in the business - a two-year, unlimited (even if you break it!), transferable warranty (valid in USA and Canada only). See our warranty card or web site for details.



MX24 • circa '69
Our first 24 channel mixer, as well as the first ever, commercially produced, 24 channel sound reinforcement board.



YBA3a • circa '68
The most powerful bass amplifier of its day. This fan-cooled, portable package pumped out 250W.



EQ-1 • circa '73
The first commercially produced PA graphic equalizer.



YSC-1 • circa '63
The first commercially produced PA column. It contained six full range 8" drivers and was designed to be easily transportable.



LS-1 • circa '67
The first commercially produced portable lighting system. It featured six colored flood lights and a switch console.



YM-1 • circa '68
The first wedge-style stage monitor. It gave the user a choice of 3 facing angles (and upright mounting) and had a built-in volume control.



YSC-4 • circa '66
The first stand-mounted portable PA enclosure. It used four 12" full range drivers.



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