

TX2M • TX Series Stage Monitor

- 12" LF, 2" HF (2-Way, Bi-Amped)
- Dual Angle Baffle (40°/50°)
- High Sensitivity, High SPL
- Available Horn Left or Right
- Speakon™ Inputs on each end
- Processor Controlled
- Spatter-Paint Finish
- 13-Ply Baltic Birch Construction
- Comprehensive Warranty



TX2M - TX Series Stage Monitor

Cabinet

Vocal clarity and excellent bass response are hallmarks of the TX2M. This extremely loud, compact wedge is specifically designed for use on the floor and can be used with the baffle at either 50° or 40° for flexible application, while Speakon™ connectors on both ends of the enclosure allow multi-cabinet chains.

Its Yorkville-designed B&C 12" woofer with 3" voice coil, provides extra high output at 80Hz, making the unit sound much larger than expected. Advanced woofer cone technology using an engineered mixture of cloth to paper minimizes unwanted resonances above the crossover point. The smooth, 2" high frequency driver is mounted on a vertical format 40°x 60° wave guide degree horn and its high frequency performance is enhanced by a 'Matched Aperture' driver-throat/horn ratio. This exclusive technique (another Yorkville first) allows the throat/horn construction to start at the diaphragm with no discontinuity in this critical region. All TX Series cabinets have the same HF acoustic signature due to this 'MA' horn design.



Side View



Speakon™ Connectors (both ends)

The cabinets are finished in a modern, low-key, attractive and very durable black spatter paint finish. Recessed carrying handles and a heavy, black metal grille are standard features.

Engineering

Our engineering team has a great deal of experience with the design of cabinets and processors. Working as a closely knit team, the engineers designed the TX series as a *system*, not merely as separate components that *can* be used together. This ensures that the cabinets and processors function synergistically for the best possible sound, convenience and value.

Processor

The TX2P processors are specifically designed for use with TX2M monitors and perform a variety of functions including crossover, equalization, speaker-protection and hum-rejection. The units process a signal before it reaches the power amplifier, with separate amp channels provided for each driver within the cabinet. TX cabinets contain internal, 12dB per octave, high pass filters to provide protection in case of miswiring. To ensure optimum settings and ease of use, processor crossover points are fixed at factory-optimized levels, calculated to provide steep, enhanced crossover slopes which also minimize floor reflections. Gain controls are provided to allow adjustments of +/-3dB per channel.

The TX processors are self-calibrating (a simple 30 second procedure). Automatic amplifier gain detection allows for effective band level-setting without the use of specialized equipment. The processor protects the speakers by activating compressors if necessary. Additionally it provides hum rejection through the use of balanced inputs and via a remote reference feature of the output stage when it is used with unbalanced amplifiers.

The TX2P processor configuration provides four bi-amp mixes in a single rack space. Controls include trim pots and calibrate & mute switches while function-overview is provided by power, clip, limit, calibrate, and mute LEDs, all incorporated into a compact, practical package.

United States

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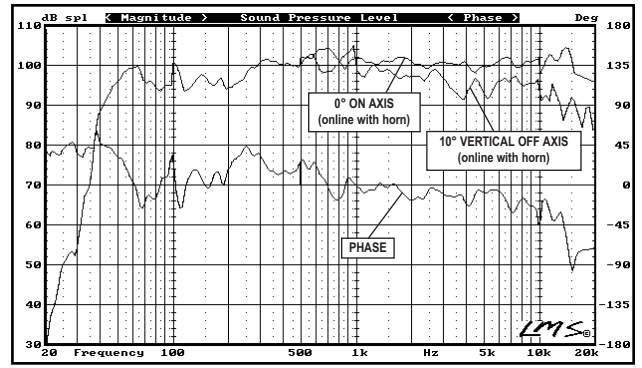


Canada

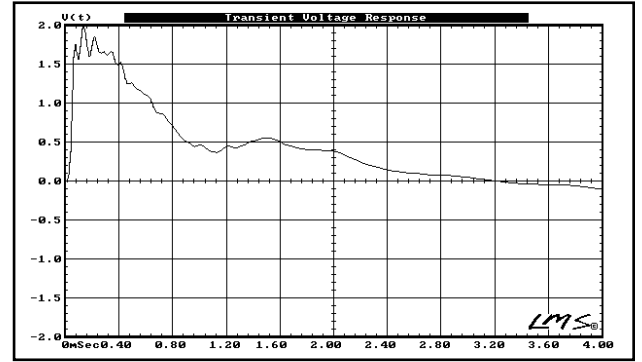
Yorkville Sound
550 Granite Court
Pickering, Ontario L1W 3Y8
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SPECIFICATIONS - TX 2 M

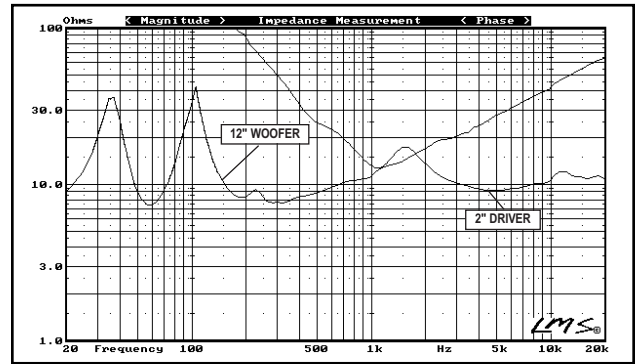
- System Type:** 2-Way, Angled Floor Monitor
Drivers: HF: 2" B&C DE750
 LF: 12" Custom B&C
- PGM Power / Imp:** HF: 120 W / 8Ω
 LF: 350 W / 8Ω
- Sensitivity (1W @1M):** HF: 110 dB
 LF: 99 dB
- Maximum Output:** ~ 125 dB
- Overall Freq. Response:** 60 – 19,000 Hz
- Coverage Angle:** 40° Horizontal
 60° Vertical
- Inputs:** 1 – Speakon™ 4
- Parallel Outputs:** 1 – Speakon™ 4
- Protection:** Electronic Limiting
 (excursion & thermal with TX processor)
 Passive Hi-Pass Filter on Horn
- Construction:** 13-Ply, 13mm Baltic Birch Plywood
 Screw-Fastened, Braced Butt Joints
- Finish:** Black Spatter Paint
 Metal Speaker Grille
- Dimensions:** 14.9" x 25.2" x 15.6"
 (H x W x D)
- Exterior Volume:** 2.62 ft³ / 0.075 m³
- Weight:** 77 lbs / 35 kg
- Amp. Requirements:** HF ~ 200 W into 8Ω
 LF ~ 400 W into 8Ω
- Processor:** TX2P
- Controls (Switches):** Calibrate, Mute
- Controls (Pots):** Trim
- LED Indicators:** Power, Clip, Limit, Mute
- Type:** 4 Bi-Amped Mixes
- Inputs:** XLR Female (x 4), 20 KΩ
- Max Input:** +18 dBu, 6 Vrms
- Outputs:** XLR Male (x 8), 600 Ω min.
- Max Output Level:** +12 dBu, 3 Vrms
- Sense Inputs:** Speakon™ 4 (x 4), 2 Bands / Connector
- Trim Controls:** +/- 3 dB for HF
- Crossover Point:** ~1800 Hz



Frequency Response & Phase



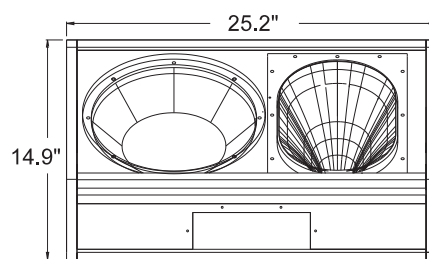
**Step Response
Horn & Woofer Phase Alignment**



Impedance



TX2P - Front



Front (horn-right version)

