

# TXD<sub>series</sub>



 **Turbosound®**

# TXD series

Introducing the TXD series of portable sound reinforcement products: offering unbeatable audio performance, advanced features and excellent long term dependability, designed for the most discerning DJ, performing musician and audio systems contractor.

Turbosound's cutting-edge Aspect system and the legendary Flashlight and Floodlight rock and roll concert touring systems dominate the large scale touring market, and are endorsed by major international artists and PA rental companies. Professional concert touring is the inspiration for a brand new TXD series of loudspeakers, which shares many common features with our industry leading loudspeakers.

From the ground up, TXD series cabinets are constructed from the best quality materials, and are assembled using the same construction techniques as every Turbosound enclosure. Even the heavy duty, signature TurboBlue™ textured paint is the same as that used on our flagship touring enclosures.

The new TXD series features an all-new set of loudspeaker components. High power LF drivers have been selected to our specific requirements and are designed for high efficiency, solid bass response and low colouration. The 1" high frequency

compression driver used in two-way models is carefully selected for distortion-free sound quality and smooth frequency response.

Even though the TXD series is ideal for mobile DJ and live music performances, we also recognise the need to make the range ideal for fixed installation use, and to that end we have provided installers and sound contractors with designed-in rigging points to allow the loudspeakers to be permanently installed in clubs, pubs and other music venues. In order to make the installers job quick and easy, the integral rigging points are designed to accept M10 shoulder eyebolts for a fast and safe method of suspending and angling the enclosures in a variety of installed situations.

All two-way enclosures feature an updated high frequency protection circuit which makes them virtually bulletproof. Turbosound's Thermal Overload Protection System (TOPS) transparently and inaudibly adjusts the level to the compression driver if potentially damaging levels are approached.

**The TXD series loudspeakers from Turbosound: delivering the best possible performance and unbeatable value for real-world portable and fixed sound reinforcement applications.**

Proprietary 70°horizontal x 40°vertical high frequency horn disperses sound coverage evenly and seamlessly over a wide area

← Durable semi-matt textured TurboBlue™ paint (optional black) as used on all Turbosound concert touring products will survive years of punishment on the road

↑ Comfortable, ergonomically placed flush handles are located over the cabinet's centre of gravity for easy lifting and carrying

↑ TXD series cabinets are built from 11-ply birch plywood, internally braced and glued and screwed together for low weight and maximum rigidity

← High tolerance components are used on TXD series crossovers to ensure consistent audio quality and predictable system frequency response

← Tough perforated steel metal grilles protect the drive units from accidental damage at gigs and when in transit

← Industry standard Neutrik connectors are used throughout the range. Bass cabinets have built-in passive crossovers to connect to two-way loudspeakers

↑ Cabinets are fitted with internal M10 rigging points for use with optional eyebolts to facilitate simple rigging solutions in permanent installations

↑ Only premium quality components and materials are used in Turbosound TXD series loudspeakers

↑ Turbosound's Thermal Overload Protection System (TOPS) ensures that the signal to the HF driver is constantly monitored and reduced to avoid driver damage

# TXD-081

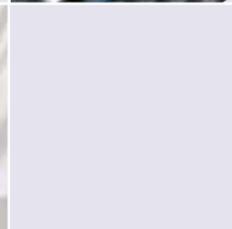
The TXD-081 is a compact two-way loudspeaker recommended for portable speech and music reinforcement in an easily transportable cabinet, as well as fixed install applications requiring professional quality background sound.

It is an all-passive design featuring a 400 watt (program) 8" low frequency driver and a 1" high frequency compression driver on a wide dispersion CEW™ HF horn. The drive units are matched with an internal passive crossover network to ensure a seamless transition and these are all housed in an optimally tuned trapezoidal birch plywood enclosure.

The compression driver is protected from accidental damage due to overdriving by an intelligent protection circuit built into the crossover network which detects signal level, and automatically attenuates should it approach or exceed potentially damaging levels.

The TXD-081 is equipped with internal rigging points for use with Turbosound wall and ceiling brackets, as well as M10 eyebolts. A pole mount socket is fitted.

The rear panel carries dual Neutrik Speakon NL4MP speaker connectors for input and parallel connections to an additional TXD series cabinet.



## technical specifications

- **frequency range** 70Hz - 20kHz ±4dB
- **power handling** 200 watts r.m.s., 400 watts program
- **sensitivity (1w@1m)** 93dB
- **maximum SPL** 116dB cont., 122dB peak
- **dispersion (av.)** 100°H x 60°V @-6dB points
- **impedance (nom.)** 8 ohms
- **dimensions (hwxwxd)** 415mm x 307mm x 270mm
- **net weight** 11.3kg (24.9lbs)

## technical specifications

- **frequency range** 60Hz - 20kHz ±4dB
- **power handling** 300 watts r.m.s., 600 watts program
- **sensitivity (1w@1m)** 97dB
- **maximum SPL** 122dB cont., 128dB peak
- **dispersion (av.)** 70°H x 40°V @-6dB points
- **impedance (nom.)** 8 ohms
- **dimensions (hwxwxd)** 553mm x 411mm x 352mm
- **net weight** 20kg (44lbs)

The TXD-121 is the ideal compact loudspeaker for all kinds of live music, fixed install, and mobile DJ applications that require professional sound quality in an easily transportable format.

The TXD-121 features a 600 watt (program) 12" reflex-loaded low frequency driver and a 1" high frequency compression driver on a wide dispersion HF horn in an optimally tuned, trapezoidal birch plywood enclosure. These high grade components are matched with an internal passive crossover network to ensure a seamless transition between the HF and LF drivers. In order to protect the high frequency driver from accidental damage, the TXD-121 is equipped with an intelligent protection circuit which automatically and transparently reduces the signal to the compression driver should potentially damaging levels be approached.

Use the TXD-121 with 35mm speaker stands or with optional straight poles on top of Turbosound TXD series bass cabinets to give good vertical coverage in small club and pub venues. M10 rigging points are included for use with Turbosound wall and ceiling brackets.

Amplifier connections are simplified by the use of dual Neutrik Speakon NL4MP speaker connectors, allowing a parallel connection to a second TXD-121 cabinet. Add a sub-bass cabinet from the TXD series for a compact and powerful PA system.

# TXD-151

For applications that require more low-end performance, the TXD-151 offers a wide frequency range and increased bass response. It is ideal for reproducing live music in pubs and clubs, without the need for additional sub-bass cabinets.

It features a 600 watt (program) 15" reflex-loaded low frequency driver and a 1" high frequency compression driver on a 70° x 40° horn. The all-birch plywood enclosure is optimally tuned to provide solid bass response even when stand mounted. These high grade components are matched with an internal passive crossover network, featuring an intelligent HF protection circuit which automatically and transparently reduces the signal to the compression driver should potentially damaging levels be approached.

A pole mount socket is fitted to the cabinet to allow it to be used with optional straight poles and standard 35mm speaker stands. M10 rigging points are included for simple and effective mounting solutions in permanent installations. These can be used with Turbosound wall and ceiling brackets.

Two Neutrik Speakon NL4MP connectors are provided on the rear panel for input and parallel connections.



## technical specifications

- **frequency range** 45Hz - 20kHz ±4dB
- **power handling** 300 watts r.m.s., 600 watts program
- **sensitivity (1w@1m)** 99dB
- **maximum SPL** 124dB cont., 130dB peak
- **dispersion (av.)** 70°H x 40°V @-6dB points
- **impedance (nom.)** 8 ohms
- **dimensions (hwxvxd)** 652mm x 465mm x 423mm
- **net weight** 28kg (61.6lbs)

# TXD-252

With its full-range response and a program power rating of 1200 watts from a single enclosure, the TXD-252 is the ideal solution for those live pub gigs and club DJ sessions—just wheel it in and power it up.

Being a passive/active cabinet, the TXD-252 can be powered from a single (but powerful) amplifier or bi-amped using two channels and an LMS-D4 controller.

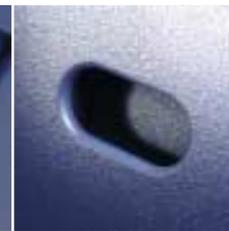
Consisting of two 600 watt (program) 15" low frequency drivers and a 3" coil compression driver on a rotatable 80°H x 50°V Converging Elliptical Waveguide™, the TXD-252 delivers deep and solid low end and sparkling highs over a wide area.

The TXD-252 is designed to fit across the back seat of the average family car, thanks to its space-saving trapezoidal shape. And to make transportation even easier, the optional T4 heavy duty wheel kit is available.

Three Speakon NL4 speaker connectors are located on the rear panel. Two of these provide a passive connection from the amplifier, and link out to additional TXD cabinets, while the third provides an independent switched bi-amp connection. The internal passive crossover network also features thermal overload protection (TOPS) to prevent the HF compression driver from being overdriven.

The TXD-252 is ideal for installing as a permanent system for pubs and clubs.

It can be suspended vertically, or horizontally with the HF horn rotated, using the M10 rigging points.



## technical specifications

- **frequency range** 44Hz - 17kHz ±4dB
- **power handling** 1000 watts r.m.s., 2000 watts program
- **sensitivity (1w@1m)** 97dB
- **maximum SPL** 127dB cont., 133dB peak
- **dispersion (av.)** 80°H x 50°V @-6dB points
- **impedance (nom.)** 4 ohms
- **dimensions (hwxvxd)** 1220mm x 540mm x 434mm
- **net weight** 49kg (107.8lbs)

# TXD-115

When additional bass response and higher sound pressure level is needed, the TXD-115 is the ideal sub-bass complement for TXD-121 or TXD-151 two-way enclosures.

Consisting of a 600 watt (program) reflex-loaded 15" low frequency driver in an optimally tuned birch plywood enclosure, the TXD-115 delivers solid and punchy low frequency energy.

The integral pole mount socket enables the TXD-081, TXD-121 or TXD-151 loudspeakers to be mounted on an optional straight pole at the correct height for controlled and uniform audience coverage in small club and pub venues.

Two Speakon NL4MP speaker connectors are provided on the rear panel. When using the TXD-115 as part of a full range system with TXD mid-high enclosures, the integral passive crossover network filters high frequencies away from the bass cabinet, allowing a full range system to be powered from only one amplifier channel without the necessity for external electronic crossovers. However if required the TXD-115 can easily be used as the low frequency section of a powerful bi-amplified system.

Permanent installations can be simply achieved by the use of the included M10 rigging points, providing a simple and effective mounting solution.



## technical specifications

- **frequency range** 43Hz - 150Hz ±4dB
- **power handling** 300 watts r.m.s., 600 watts program
- **sensitivity (1w@1m)** 96dB
- **maximum SPL** 121dB cont., 127dB peak
- **dispersion (av.)** n/a
- **impedance (nom.)** 8 ohms
- **dimensions (hwxwd)** 652mm x 465mm x 423mm
- **net weight** 25kg (55lbs)



## technical specifications

- **frequency range** 36Hz - 150Hz ±4dB
- **power handling** 300 watts r.m.s., 600 watts program
- **sensitivity (1w@1m)** 98dB
- **maximum SPL** 123dB cont., 129dB peak
- **dispersion (av.)** n/a
- **impedance (nom.)** 8 ohms
- **dimensions (hwxwd)** 652mm x 540mm x 484mm
- **net weight** 28kg (61.6lbs)

# TXD-118

When space permits the use of a larger bass cabinet, the TXD-118 offers deeper low frequency response (down to 36Hz ±4dB) when used as part of a two-way system, making it very suitable for reproducing live music—including instruments and drums as well as voices—in pub and club venues.

The TXD-118 features a 600 watt (program) reflex-loaded 18" low frequency driver in an optimally tuned birch plywood enclosure.

For live sound reinforcement applications use the TXD-118 with TXD-121, TXD-151 or TXD-252 full range loudspeakers to create a very powerful PA system with a lot of low sub-bass energy that's ideal for small club venues. A pole mount socket is fitted to the top of the cabinet which allows TXD mid-high loudspeakers to be used at the correct height with optional 35mm straight poles.

The internal passive crossover includes a link-out connection to TXD-121 or TXD-151 cabinets and allows a full range passive system to be powered from a single amplifier.

M10 rigging points are included on the cabinet for simple and effective mounting solutions in permanent installations.

# TXD-215

The TXD-215 is a high power bass cabinet which will give substantial and punchy bass output when used as part of a two-way installed sound system, or for DJ and live music performances.

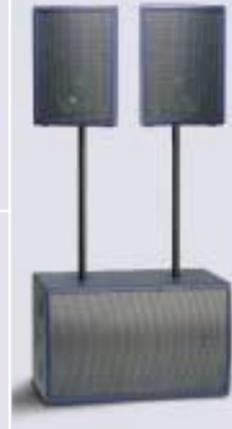
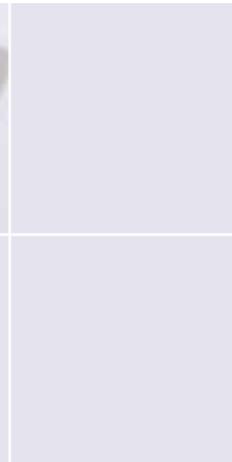
It consists of two 600 watt (program) 15" high power reflex-loaded low frequency drivers in a birch plywood enclosure that can be orientated either horizontally or vertically with any combination of TXD series two-way enclosures. Each driver is housed in its own optimally tuned compartment within the enclosure. As well as the resultant internal brace further increasing cabinet rigidity, this constructional method ensures that the TXD-215 performs identically to two TXD-115 bass cabinets, allowing both models to be freely mixed and matched in any venue.

The TXD-215 contains a passive crossover network with a link-out connection to TXD-081, TXD-121 or TXD-151 two-way loudspeakers.

Pole mount sockets are fitted to the cabinet in three places: one on the top and two on the side. This allows the TXD-215 to be used either vertically with a single satellite loudspeaker on a straight pole, or horizontally with two satellite loudspeakers to give wider horizontal coverage.

M10 rigging points are included for simple and effective mounting solutions in permanent installations.

An optional T4 wheel kit is available for easier transportation.



## technical specifications

- **frequency range** 40Hz - 150Hz ±4dB
- **power handling** 600 watts r.m.s., 1200 watts program
- **sensitivity (1w@1m)** 99dB
- **maximum SPL** 127dB cont., 133dB peak
- **dispersion (av.)** n/a
- **impedance (nom.)** 4 ohms
- **dimensions (hwxvxd)** 891mm x 550mm x 505mm
- **net weight** 47kg (103.4lbs)

# TXD-218

When extremely high power low end extension is needed the TXD-218 provides deep and punchy bass (down to 36Hz). This makes the cabinet suitable for all live music and club applications either as part of a passive two-way system or a three-way active system with the TXD-252.

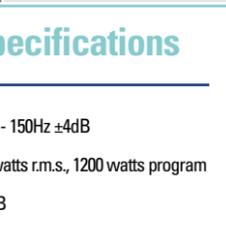
The TXD-218 consists of two 600 watt (program) reflex-loaded 18" low frequency drivers. The tuning and birch plywood construction ensures the TXD-218 performs identically to a pair of TXD-118's; and this allows the units to be freely mixed when used in live work or installations.

The TXD-218 contains a passive crossover network with a link-out connection for TXD two-way enclosures, but can be by-passed when used in an active system.

The TXD-218 features three 35mm pole holders. This means it can be used vertically with a single TXD-151 mounted on top for a simple DJ system; or the unit can be used horizontally with a pair of TXD-151's where very wide coverage is required. Alternatively, a single TXD-252 can be stacked on top of the TXD-218 for an extremely powerful quad system.

Permanent installations can be simply achieved by the use of the included M10 rigging points, providing a simple and effective mounting solution.

The TXD-218 is fitted with rubber feet and an optional T4 wheel kit is available for easier transportation.



## technical specifications

- **frequency range** 36Hz - 150Hz ±4dB
- **power handling** 600 watts r.m.s., 1200 watts program
- **sensitivity (1w@1m)** 101dB
- **maximum SPL** 129dB cont., 135dB peak
- **dispersion (av.)** n/a
- **impedance (nom.)** 4 ohms
- **dimensions (hwxvxd)** 1035mm x 602mm x 532mm
- **net weight** 57kg (125.4lbs)

# TXD-12M

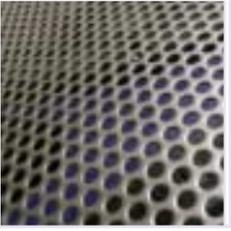
The TXD-12M is a compact passive floor monitor which combines high performance with an unobtrusive, low profile package.

The symmetrical cabinet shape creates a profile that's small enough to fit easily on the smallest stages, and also allows the TXD-12M to be inverted and used in multiples as mirror image left/right pairs.

Designed around a reflex-loaded 12" low frequency driver and a 1" high frequency compression driver on a 40° x 70° horn, these professional quality components are matched with an internal passive crossover network to provide an exceptionally smooth frequency response.

In addition to its primary function as a live sound floor monitor or DJ monitor, the TXD-12M is also fitted with a pole mount socket to allow it to be used with standard 35mm speaker stands for front-of-house applications.

A Neutrik Speakon connector is located on a recessed panel at each end of the cabinet to allow neat parallel interconnection between monitors. Rubber feet are fitted on two faces to protect the cabinet from damage.



## technical specifications

- **frequency range** 65Hz - 20kHz ±4dB
- **power handling** 300 watts r.m.s., 600 watts program
- **sensitivity (1w@1m)** 97dB
- **maximum SPL** 122dB cont., 128dB peak
- **dispersion (av.)** 40°H x 70°V @-6dB points
- **impedance (nom.)** 8 ohms
- **dimensions (hwxvxd)** 435mm x 553mm x 288mm
- **net weight** 18kg (39.6lbs)

# TXD-15M

For applications requiring higher SPLs and extended low-end performance on stage, the TXD-15M is the ideal monitoring loudspeaker.

The TXD-15M has a low profile symmetrical cabinet shape allowing two units to be used as left/right mirror image pairs. Placing the horns to the outside ensures excellent coverage and that the acoustic image is central to the performer.

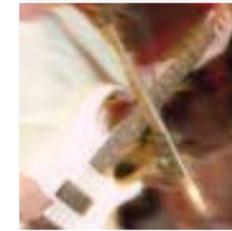
The TXD-15M comprises a 600w (program) 15" reflex-loaded low frequency driver and a 3" coil compression driver on a 40° x 60° horn.

The components are summed with an internal passive/active crossover network to provide specific voicing for monitoring applications. The compression driver is protected from damage by Turbosound TOPS.

In addition to two passive input and link Neutrik speakon connectors, the TXD-15M also features a switchable Neutrik NL4MD-V-S bi-amp connector.

When used in bi-amp mode this connector by-passes the passive links ensuring correct operation.

For increased flexibility the TXD-15M also features a pole holder allowing the unit to double as side-fills or as a primary front of house system. Rubber feet are fitted on both sides of the cabinet to protect the paintwork from scuffs and scratches on the road.

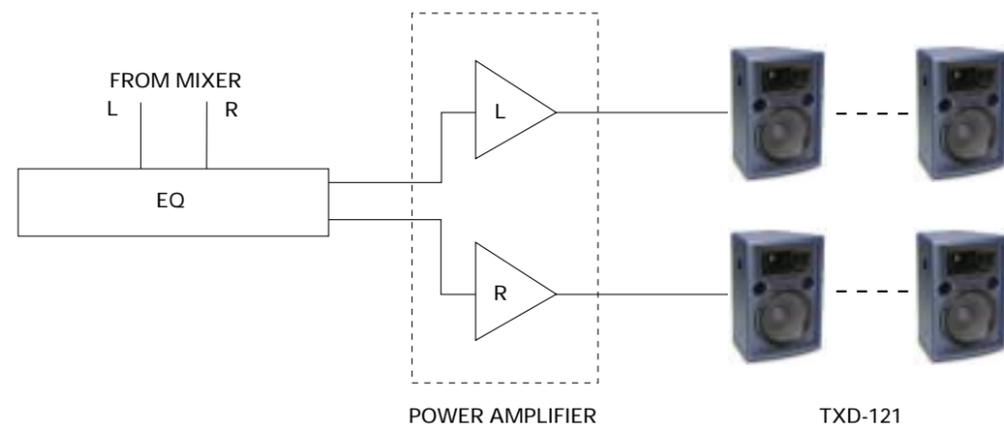


## technical specifications

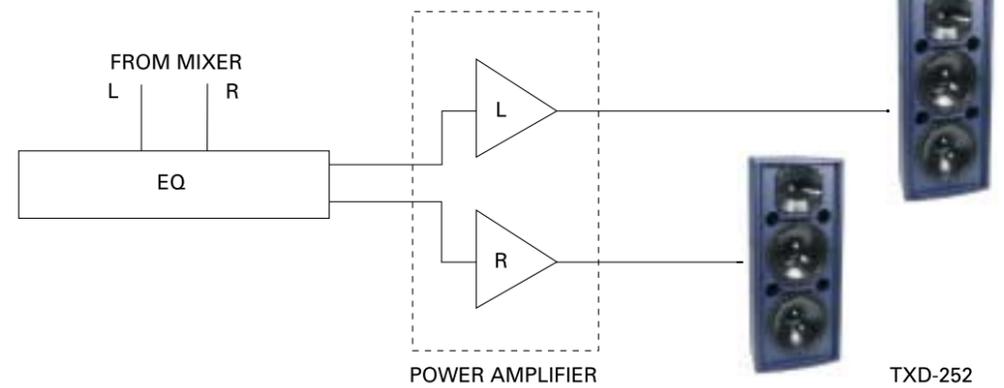
- **frequency range** 65Hz - 18kHz ±4dB
- **power handling** 300 watts r.m.s., 600 watts program
- **sensitivity (1w@1m)** 99dB
- **maximum SPL** 124dB cont., 130dB peak
- **dispersion (av.)** 40°H x 60°V @-6dB points
- **impedance (nom.)** 8 ohms
- **dimensions (hwxvxd)** 652mm x 547mm x 363mm
- **net weight** 30kg (66lbs)

# System Connections

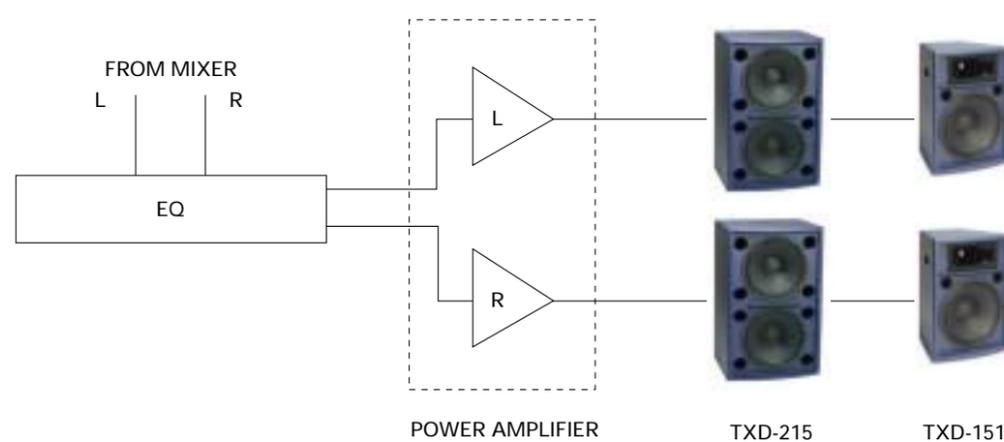
Full range passive live performance system of two-way enclosures



Full range passive live performance system of two-way enclosures

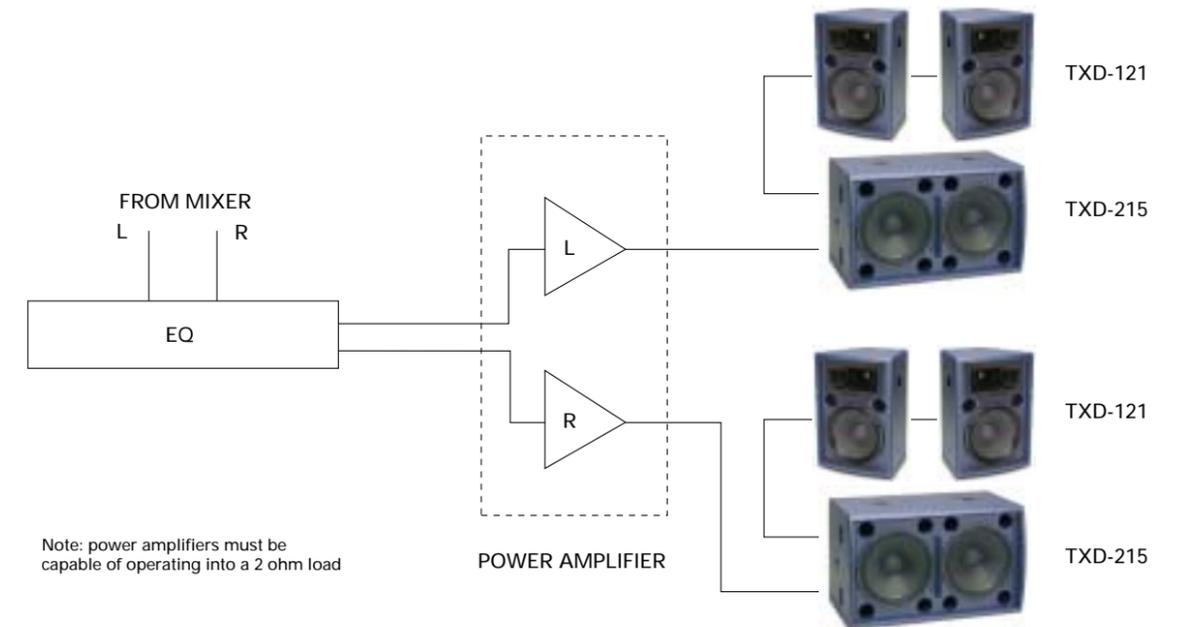


Full range passive live performance system of two-way enclosures with subs



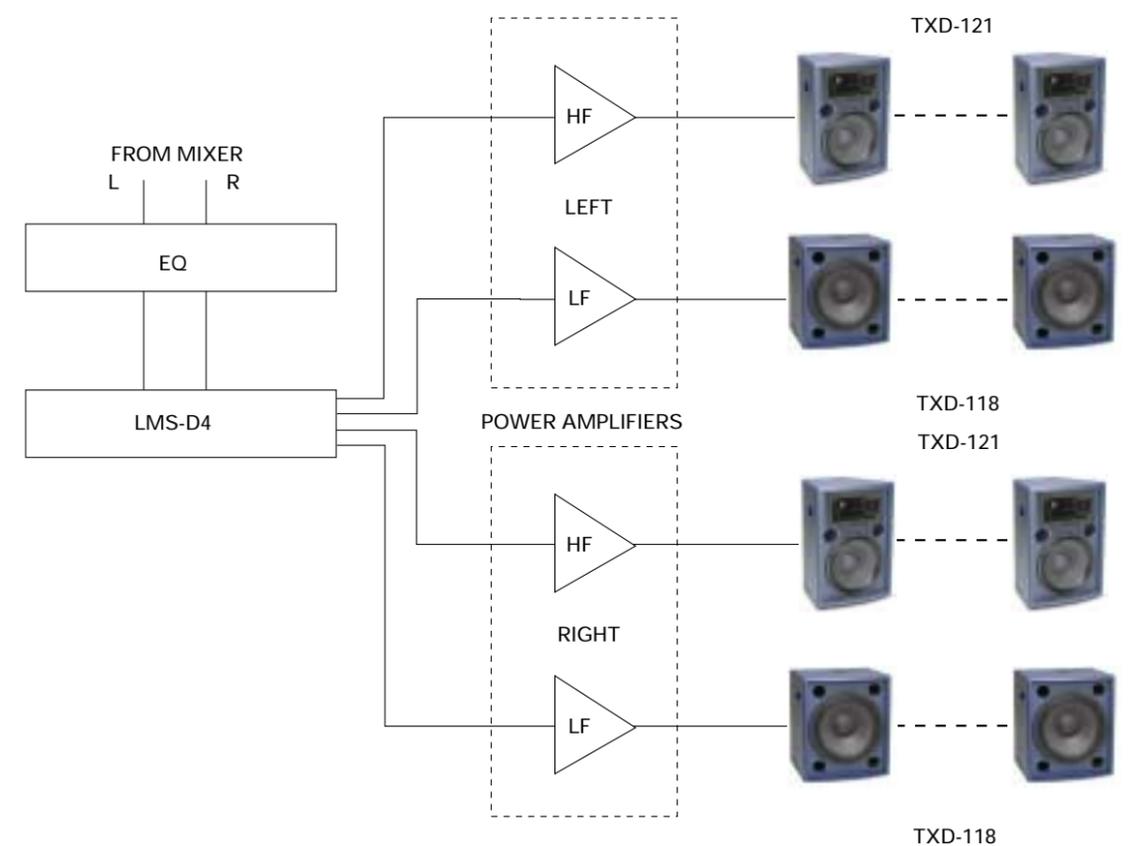
# System Connections

Full range passive live performance system of two-way enclosures with subs



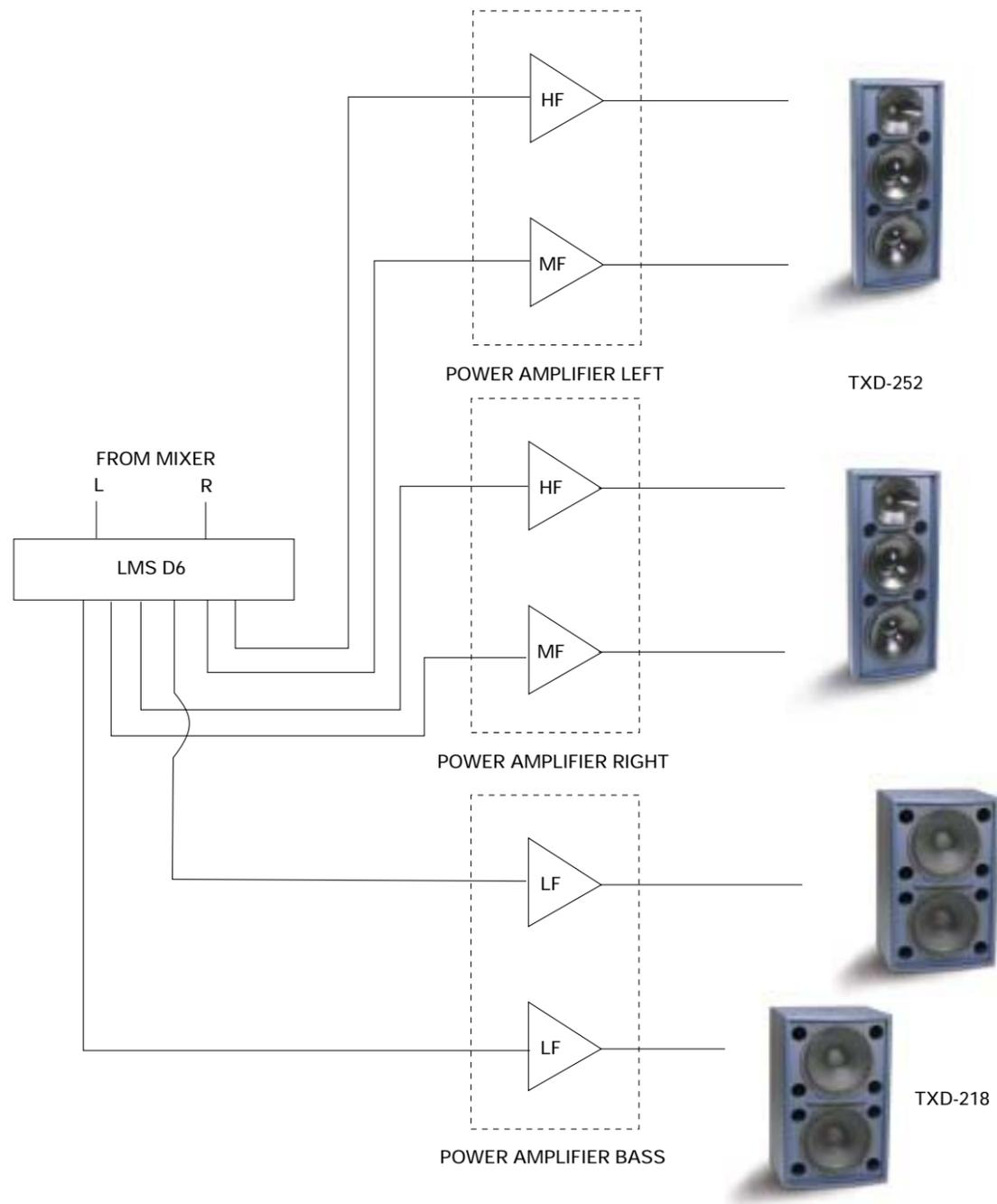
Note: power amplifiers must be capable of operating into a 2 ohm load

Bi-amplified live performance system of two-way enclosures with subs



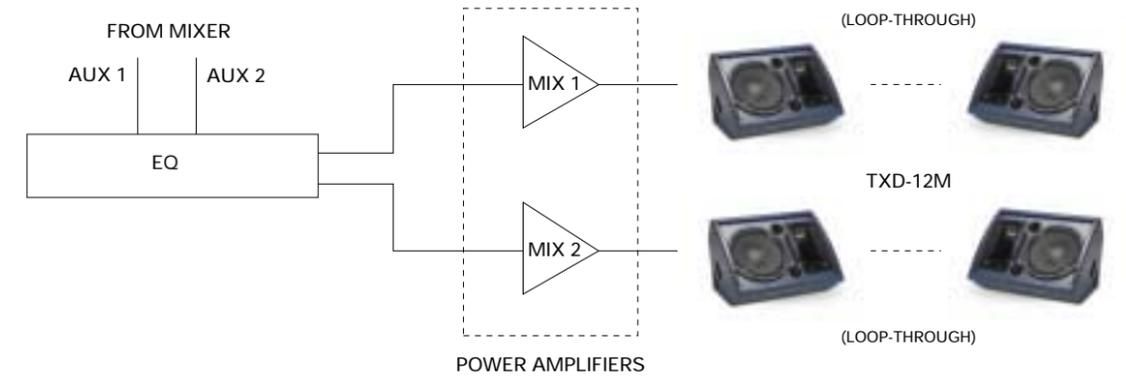
# System Connections

Tri-amplified live performance system of two-way enclosures with subs

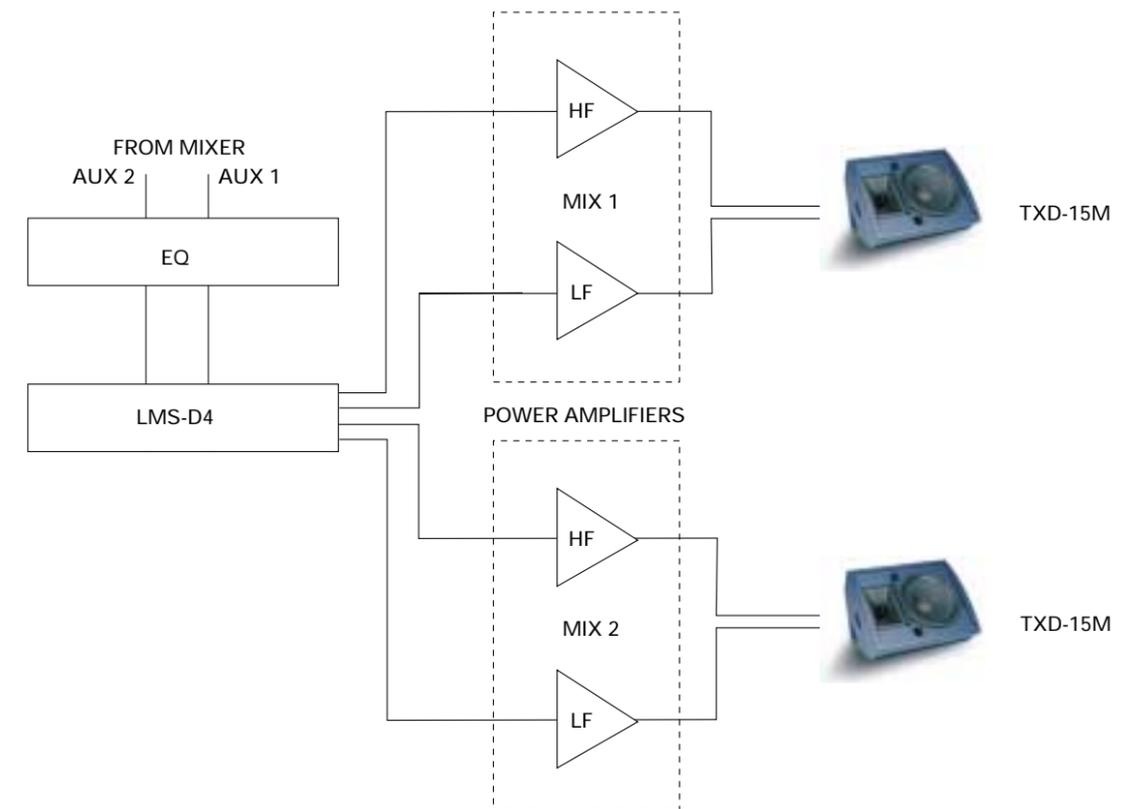


# System Connections

Live performance monitor system

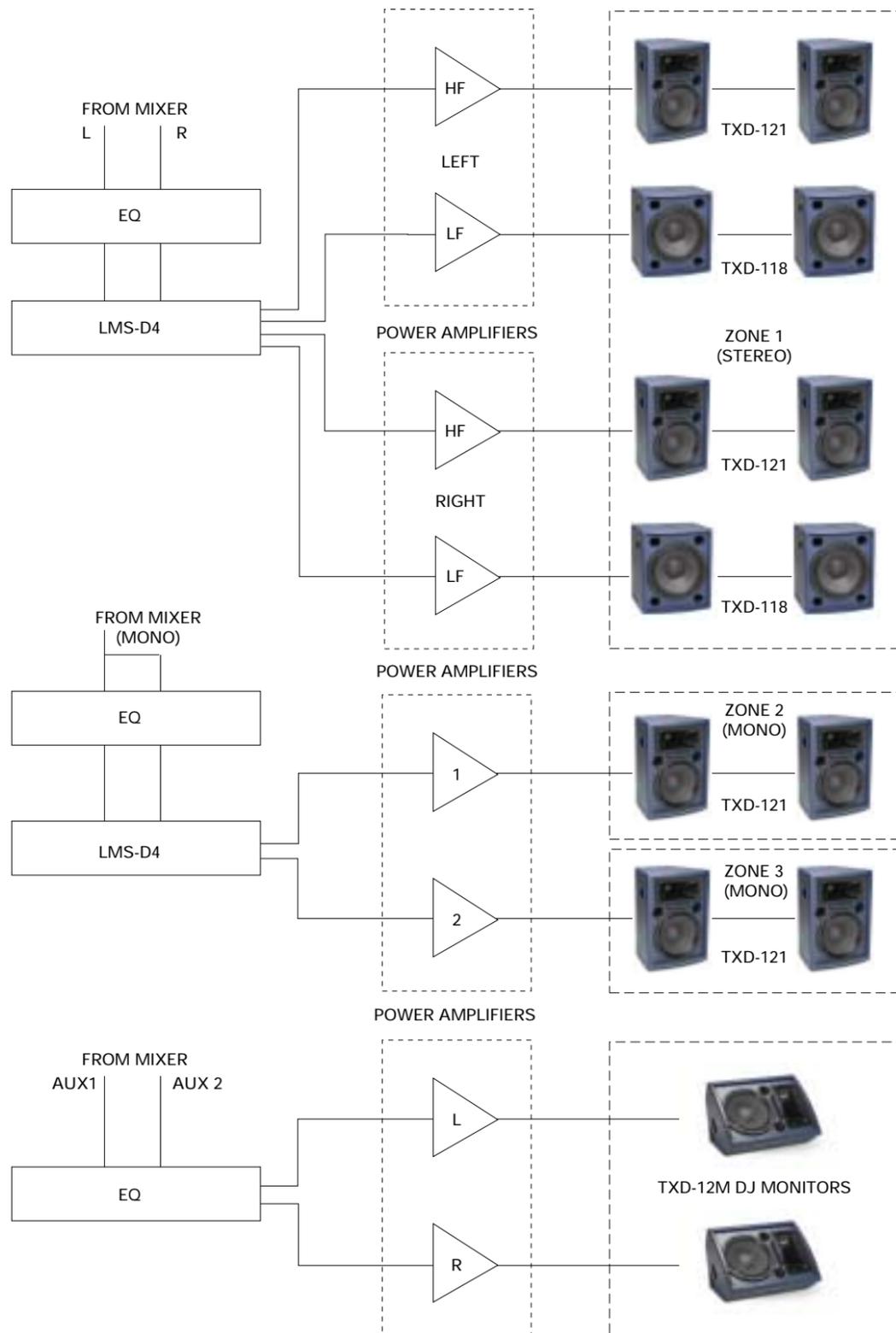


Bi-amplified monitor system



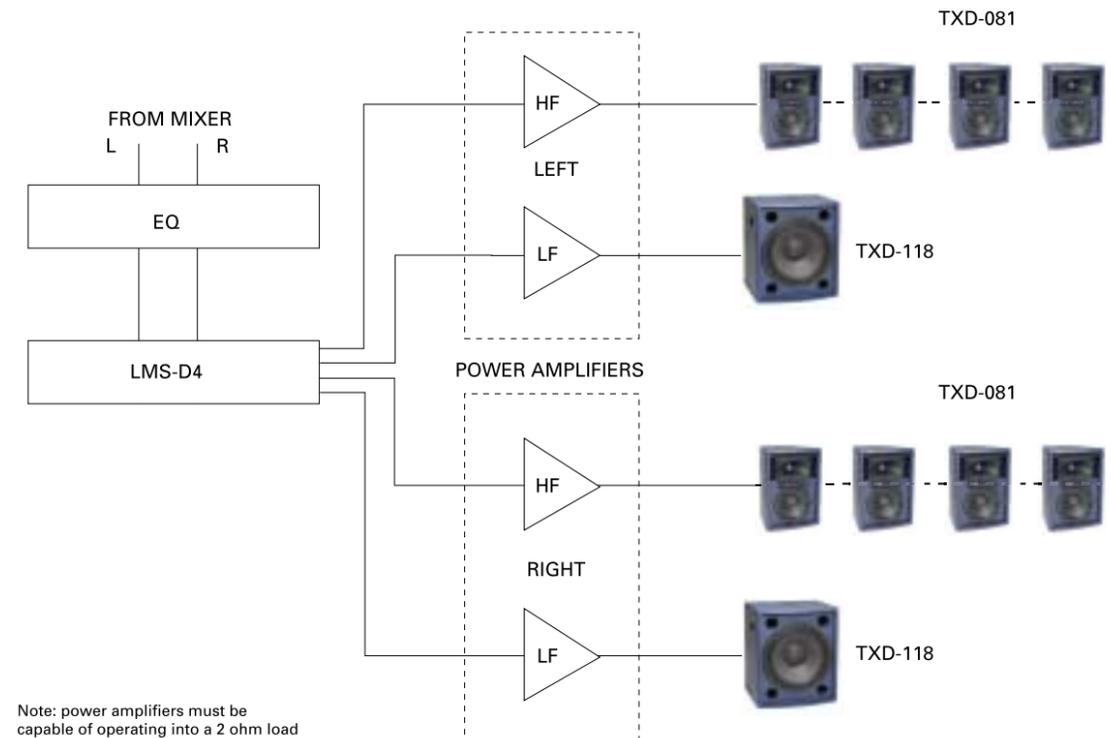
# System Connections

Typical bi-amplified installed small club system with multiple zones



# System Connections

Bi-amplified live performance system of two-way enclosures with subs



Note: power amplifiers must be capable of operating into a 2 ohm load

## Notes on TXD system configurations

In order to develop the best possible performance from your TXD series loudspeakers it is important that the equipment you choose to drive your TXD's can provide sufficient audio quality and is correctly matched to the cabinets—the system can only be as good as the weakest link in the chain.

## Power Amplifiers

TXD loudspeakers should be driven by high quality power amplifiers designed for true professional use. Such amplifiers will have balanced inputs, DC and RF fault protection, and well designed cooling systems for long term reliability. The amplifier's power output should be equivalent to the loudspeaker's program power rating at its stated nominal impedance. This will ensure the system has enough headroom to generate good dynamic range. Conversely a low-powered amplifier will clip easily, delivering a distorted signal which can result in damage to the loudspeakers.

## Graphic Equalisers

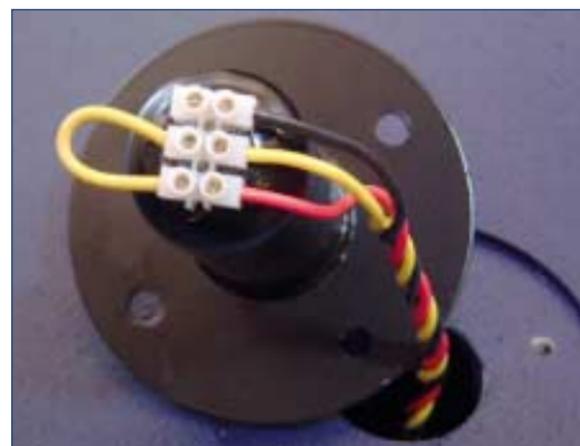
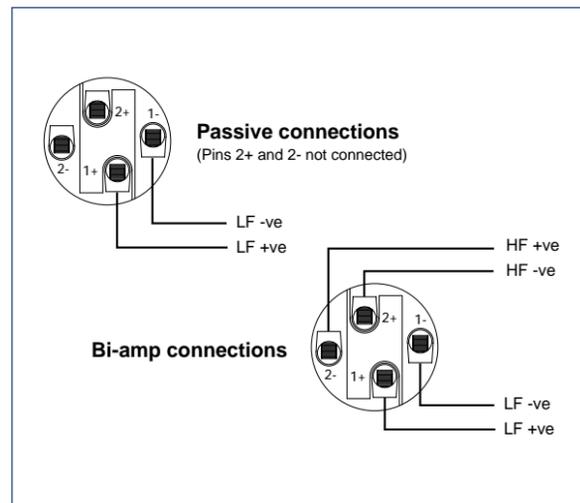
Rooms surfaces are likely to create reflections and standing waves which will cause "booms" and "spikes" in the perceived tonal performance of the system. These can be simply reduced by the careful use of a good quality 1/3rd-octave graphic equaliser. By spending some time before your gig listening to familiar program music and raising/lowering individual frequency bands it will become apparent where the problem areas are. These frequencies should then be cut using the EQ. Remember that better overall sound quality will be achieved if fader movements are kept to a minimum (typically not more than  $\pm 3\text{dB}$ ).

A graphic equaliser can be effectively used with TXD-12M and TXD-15M monitor wedges to reduce feedback problems from microphones on stage, a process known as "ringing out". Carefully turn a vocal microphone up until the system begins to ring or feedback, then reduce the gain at that frequency using the graphic equaliser fader. Repeat this process, gradually tuning out problem frequencies.

# Loudspeaker Connections

TXD series cabinets are equipped with locking Neutrik Speakon NL4MP connectors located on a rear panel connector plate. Typically all passive connections are provided in pairs and are wired in parallel to enable either a link out to additional two-way enclosures, or from the bass enclosure to a two-way enclosure in a full range system with subs.

For cabinets with the facility to operate in bi-amped mode (these include the TXD-252 and TXD-15M) an additional switched Speakon NL4 connector is provided which enables the internal passive crossover to be by-passed when used in bi-amp mode with two amplifier channels. The Speakon connector wiring for both types is shown below.



## Bi-amplified Operation with additional bass cabinets

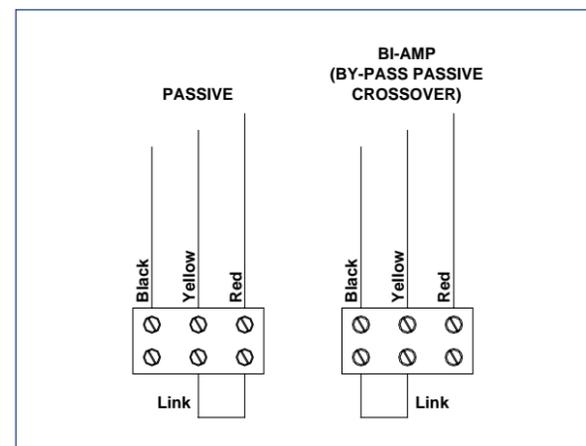
TXD series enclosures are designed to be used in most situations as fully passive systems, generally requiring only a single, two-channel power amplifier for correct operation. However the TXD series system overall power handling, and ultimately the maximum sound pressure level, can be increased by optimising the frequency bands routed to individual bass and mid-high enclosure types.

## Use of System Controllers

The Turbosound LMS-D4 is a high quality 2-in, 4-out digital crossover limiter which provides a cost-effective way of building a bi-amplified system using TXD-081, TXD-121 or TXD-151 two-way loudspeakers with any combination of TXD series bass enclosures. A typical bi-amplified small club system using the LMS-D4 controller is illustrated on the previous pages.

In an active system you will need more amplifiers, typically using one amplifier channel for low frequency and another for high frequency. The LMS-D4 also provides limiters to further protect the components of the system from damage when a system is going to be working hard.

Configuring a TXD system for bi-amp mode is done by changing the position of a link wire inside the bass cabinet. This by-passes the internal filter and allows the external LMS-D4 controller to apply an optimum steep slope crossover at the correct frequency.



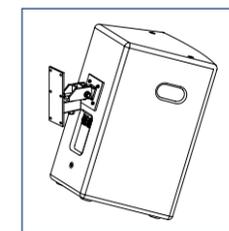
# Hardware and Accessories

## T4 wheel kit

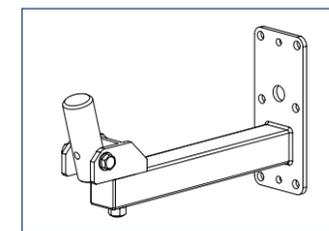
The TXD-215, TXD-218 and TXD-252 are supplied pre-drilled in four locations and fitted with blanking screws to accept optional T4 wheels for easier handling.

## Wall brackets

Two-way TXD loudspeakers may be permanently installed using Turbosound wall and ceiling brackets. A universal tiltable wall bracket is also available for use with TXD models equipped with a pole mount socket.



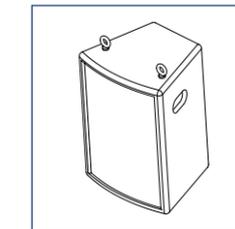
WB-20 wall bracket



PB-55 pole bracket

installed in many types of venue requiring a permanent professional quality sound reinforcement system. An additional rigging point is also located on the rear of each loudspeaker to provide a means of adjusting vertical inclination in order to achieve the required coverage.

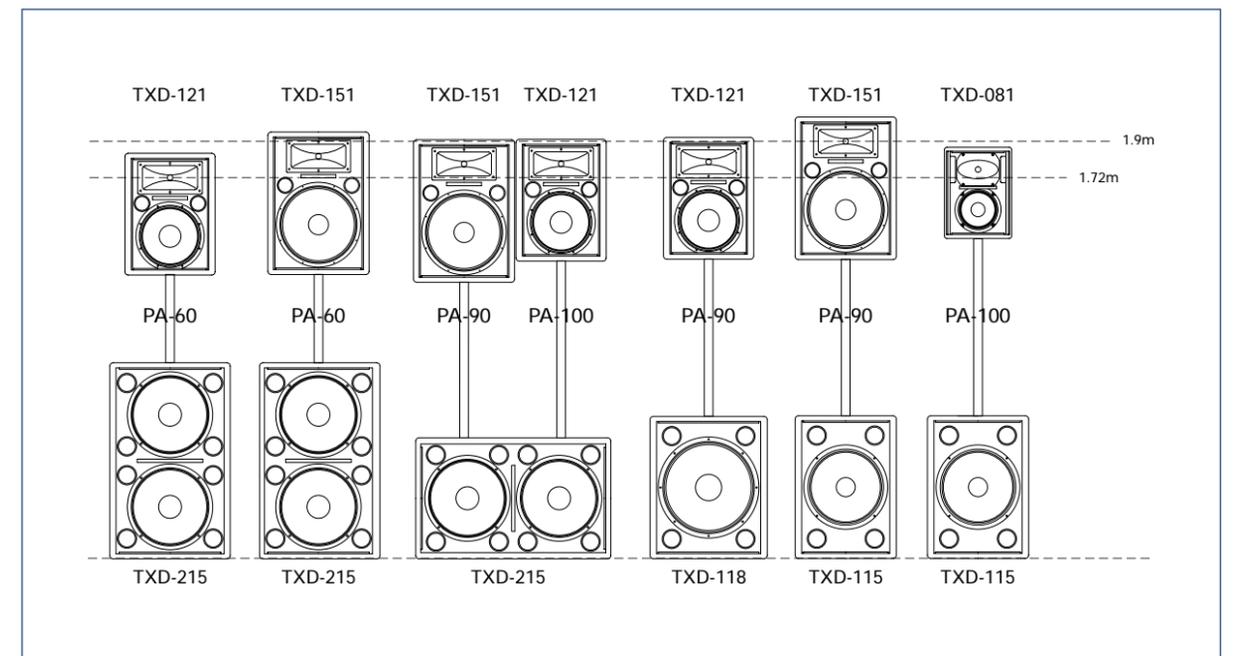
## PA-60, PA-90 and PA-100 pole assemblies



## M10 shoulder eyebolts

Internal rigging points are built in to TXD series cabinets (with the exception of the TXD-12M and TXD-15M wedge monitors) and are designed to accept optional M10 shoulder eyebolts which enable them to be

Straight 35mm poles are optionally available in various lengths for positioning TXD-081, TXD-121, TXD-12M, TXD-15M and TXD-151 two-way loudspeakers on top of bass cabinets. The diagram below shows suggested pole types and cabinet combinations in order to achieve an optimum height from the floor.



# Technical Specifications

	TXD-081	TXD-121	TXD-151	TXD-252	TXD-115	TXD-118	TXD-215	TXD-218	TXD-12M	TXD-15M	
<b>Frequency range (±4dB)</b>	70Hz - 20kHz	60Hz - 20kHz	45Hz - 20kHz	44Hz - 17kHz	43Hz - 150Hz	36Hz - 150Hz	40Hz - 150Hz	36Hz - 150Hz	65Hz - 20kHz	65Hz - 18kHz	<b>Frequency range (±4dB)</b>
<b>Power handling (rms)</b>	200 watts	300 watts	300 watts	1000 watts	300 watts	300 watts	600 watts	600 watts	300 watts	300 watts	<b>Power handling (rms)</b>
<b>Power handling (program)</b>	400 watts	600 watts	600 watts	2000 watts	600 watts	600 watts	1200 watts	1200 watts	600 watts	600 watts	<b>Power handling (program)</b>
<b>Rec. amplifier power/ch</b>	400 watts @ 8Ω	600 watts @ 8Ω	600 watts @ 8Ω	2000 watts @ 4Ω	600 watts @ 8Ω	600 watts @ 8Ω	1200 watts @ 4Ω	1200 watts @ 4 Ω	600 watts @ 8Ω	600 watts @ 8Ω	<b>Rec. amplifier power/ch</b>
<b>Sensitivity (1w @ 1m)</b>	93dB	97dB	99dB	97dB	96dB	98dB	99dB	101dB	97dB	99dB	<b>Sensitivity (1w @ 1m)</b>
<b>Maximum SPL (cont.)</b>	116dB	122dB	124dB	127dB	121dB	123dB	127dB	129dB	122dB	124dB	<b>Maximum SPL (cont.)</b>
<b>Maximum SPL (peak)</b>	122dB	128dB	130dB	133dB	127dB	129dB	133dB	135dB	128dB	130dB	<b>Maximum SPL (peak)</b>
<b>Dispersion (av) @-6dB</b>	100°H x 60°V	70°H x 40°V	70°H x 40°V	80°H x 50°V	n/a	n/a	n/a	n/a	40°H x 70°V	40°H x 60°V	<b>Dispersion (av) @-6dB</b>
<b>Nominal impedance</b>	8 ohms	8 ohms	8 ohms	4 ohms	8 ohms	8 ohms	4 ohms	4 ohms	8 ohms	8 ohms	<b>Nominal impedance</b>
<b>Crossover frequency</b>	3kHz	1.8kHz	1.8kHz	1kHz	150Hz	150Hz	150Hz	150Hz	1.8kHz	1.3kHz	<b>Crossover frequency</b>
<b>Dimensions (mm) (HxWxD)</b>	415 x 307 x 270	553 x 411 x 352	652 x 465 x 423	1220 x 540 x 434	652 x 465 x 423	652 x 540 x 484	891 x 550 x 505	1035 x 602 x 532	435 x 553 x 288	652 x 547 x 363	<b>Dimensions (mm) (HxWxD)</b>
<b>Dimensions (ins) (HxWxD)</b>	16.3 x 12.1 x 10.6	21.8 x 16.2 x 13.9	25.7 x 18.3 x 16.7	48 x 21.3 x 17.1	25.7 x 18.3 x 16.7	25.7 x 21.3 x 19.1	35.1 x 21.7 x 19.9	40.7 x 23.7 x 20.9	17.1 x 21.8 x 11.3	25.7 x 21.5 x 14.3	<b>Dimensions (ins) (HxWxD)</b>
<b>Net weight (kg)</b>	11.3	20	28	49	25	28	47	57	18	30	<b>Net weight (kg)</b>
<b>Net weight (lbs)</b>	24.9	44	61.6	107.8	55	61.6	103.4	125.4	39.6	66	<b>Net weight (lbs)</b>
<b>Pole mounts</b>	One	One	One	n/a	One	One	Three	Three	One	One	<b>Pole mounts</b>
<b>Rigging points</b>	3 x M10	3 x M10	3 x M10	9 x M10	3 x M10	3 x M10	3 x M10	3 x M10	n/a	n/a	<b>Rigging points</b>
<b>Connectors</b>	2 x NL4MP	2 x NL4MP	2 x NL4MP	1 x NL4MD-V-S 2 x NL4MP	2 x NL4MP	2 x NL4MP	2 x NL4MP	2 x NL4MP	2 x NL4MP	1 x NL4MD-V-S 2 x NL4MP	<b>Connectors</b>
<b>Options</b>	Standard finish is TurboBlue™ semi-matt textured paint; TXD cabinets are also optionally available in black textured paint					Standard finish is TurboBlue™ semi-matt textured paint; TXD cabinets are also optionally available in black textured paint					<b>Options</b>

# TXD<sub>series</sub>

