

# TXP

series

A flexible range of portable self-powered loudspeakers designed for musicians, DJs and mobile discos, live music venues and wedge monitoring applications



 **Turbosound®**

# TXP series

Drawing its inspiration from a long line of cutting edge concert touring loudspeaker products that have for over 20 plus years provided the best sound for such universally acclaimed artists as Dave Gilmour, The Magic Numbers, The Fratellis, Buena Vista Social Club, The Shadows, Lily Allen, Bill Wyman's Rhythm Kings, Little Feat, The Killers, Arctic Monkeys, Red Hot Chili Pepper, Amy Winehouse and Roger Waters, the TXP series of self-powered loudspeakers are built to deliver great performance, long term durability, and a hitherto unsurpassed level of convenience and simplicity.

The TXP series of fully self-contained sound reinforcement systems offer ease of use and consistency that far exceeds that of separate amplifier / crossover / loudspeaker systems, afforded by the integrated lightweight and highly efficient Class D amplifier modules.

First off, the setup for any show is quicker and less complicated—TXP series loudspeakers require only a line level signal and mains power to be instantly ready to go. Once connected, systems are very easy to operate with their electronically balanced inputs for effective hum cancellation and simple gain control which allows multiple



Dual angle pole holder allows the speaker to be raised above audience height and angled downwards for better coverage



TXP-121 and TXP-151 two-way cabinets instantly double as compact powered wedge monitors that are perfect for small stages

loudspeakers or monitors to be run at different levels in a multi-speaker setup. The Class D amplifiers are more than 90% efficient, converting more electrical power into sound output and wasting less as heat than conventional amplifier designs. Amplifier-to-drive-unit matching is optimised because we know exactly what the parameters of the loudspeaker drive units are, thereby eliminating any possible variability in the loudspeaker load. And being an integrated design with amplifiers and components located in the same box only a few inches apart, resistive losses due to long speaker cable runs are completely avoided.

Extending the system frequency response of TXP-121 or TXP-151 cabinets to give additional bass energy can easily be achieved by adding the compact TXP-118 self-powered subwoofer. No complicated cabling is needed—an XLR link cable simply connects from the subwoofer to the mid/high cabinet, while independent gain controls provided on each cabinet allows you to adjust the overall frequency balance. The pole mount built into the subwoofer accepts standard 35mm speaker poles and ensures that the mid/high cabinet is mounted at the correct height for best audience coverage.



## Thermal Overload Protection System

The reliability of the high frequency driver is doubly assured by Thermal Overload Protection System (TOPS), and by the amplifier's sophisticated limiter circuits. Under normal operating conditions the TOPS system has no effect. However when levels are reached that might potentially damage the high frequency driver, the TOPS



All the power you need from the integral Class D amplifier with Thermal Overload Protection to protect drive units from damage

system gradually kicks in, transparently reducing the signal to safe levels. Additionally, the active limiters prevents the input signal from exceeding a set level based on the power ratings of both components.

## Total Coverage

It is often useful to be able to mount the two-way loudspeaker well above head height, pointing slightly downwards. This is easily achieved with TXP's dual angle pole holder, and will improve the audience coverage by ensuring that those at the back can hear as well as those at the front.





## TXP-121



**A digitally self-powered compact two-way loudspeaker** ideally suited to the majority of portable DJ, live music and corporate rental applications, the TXP-121 combines a 12" low frequency driver with a 1" high frequency compression driver on a 70° x 40° dispersion horn with a Class D amplifier in a compact trapezoidal cabinet that doubles as a compact wedge monitor.

Constructed from 15mm marine grade birch plywood, the TXP-121 is well equipped to shrug off the rigours of life on the road with its specially formulated durable black semi-matt paint. The multi-purpose symmetrical trapezoidal shape is designed to perform equally well as a front-of-house loudspeaker or as a powered wedge monitor that is perfect for use even on small stages.

The on-board Class D amplifier makes the TXP-121 a highly versatile portable sound solution, either as a stand-alone loudspeaker for vocal and light duty music playback, or in conjunction with the self-powered TXP-118 subwoofer to extend the frequency range for the serious bass response required for dynamic live music. The loudspeaker's versatility is further enhanced by the dual angle pole holder, recessed flush handles and rubber feet.

## TXP-151



**The larger cabinet** of the TXP-151 provides deeper bass response, making it suitable for stand-alone reinforcement of full range music. It combines a 15" low frequency driver with a 1" high frequency compression driver on a 70°H x 40°V horn with a Class D amplifier in a trapezoidal cabinet. Its symmetrical shape allows the TXP-151 to be used as a powerful wedge monitor.

The integrated amplifier module provides balanced XLR input and link connectors, variable gain control, status LEDs and an IEC mains connector. Fast acting limiter circuits ensure that the loudspeaker cannot be overdriven, while the compression driver is further protected by the thermal overload protection system (TOPS) which transparently reduces signal to the HF driver should potentially damaging levels be approached. A two-position filter adapts the low frequency cut-off to stand-alone operation or use with subwoofer cabinets.

Although designed primarily for portable use, rigging points are provided on the durable, black painted birch plywood cabinet to enable it to be suspended in permanent installations.

## TXP-118



**The TXP-118 is a self-powered subwoofer** that provides low frequency support for TXP-121 and TXP-151 two-way loudspeakers, making an authoritative and dynamic system that is especially effective for DJ or live music applications. The single front-loaded 600 watt program 18" low frequency driver is housed in a compact birch plywood enclosure together with a powerful and lightweight Class D amplifier.

The cabinet is fitted with rubber feet and recessed handles for easy portability, and finished in black semi-matt textured paint. The built-in pole holder enables two way cabinets to be suspended at the correct height and angled down if necessary.

All operating controls are located on the loudspeaker's rear panel, including balanced XLR's and IEC mains socket, together with status LED's and a two-stage high-pass filter which provides a choice of crossover integration with various two-way loudspeakers.

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## Technical specifications

	TXP-121	TXP-151	TXP-118
<b>Dimensions (h x w x d)</b>	553mm x 412mm x 352.5mm 21.8" x 16.2" x 13.9"	652mm x 472mm x 408mm 25.7" x 18.6" x 16.1"	652mm x 540mm x 503mm 25.7" x 21.3" x 19.8"
<b>Net weight (kg/lbs)</b>	22kg / 48.4lbs	28.1kg / 61.8lbs	32kg / 70.4lbs
<b>Frequency response (full range)</b>	100Hz–18kHz ±3dB 50Hz–20kHz ±10dB	100Hz–18kHz ±3dB 40Hz–20kHz ±10dB	45Hz–95Hz ±3dB 38Hz–95Hz ±10dB
<b>Frequency response (high pass)</b>	125Hz–18kHz ±3dB 100Hz–20kHz ±10dB	125Hz–18kHz ±3dB 100Hz–20kHz ±10dB	45Hz–125Hz ±3dB 38Hz–125Hz ±10dB
<b>Dispersion</b>	70°H x 40°V	70°H x 40°V	n/a
<b>Maximum SPL (cont.)</b>	122dB	124dB	123dB
<b>Maximum SPL (peak)</b>	128dB	130dB	129dB
<b>Crossover points</b>	1k8Hz 12dB/oct high-pass 12dB/oct low-pass	1k6Hz 12dB/oct high-pass 12dB/oct low-pass	n/a
<b>Construction</b>	15mm birch plywood	15mm birch plywood	15mm birch plywood
<b>Grille</b>	Powder coated perforated steel mesh	Powder coated perforated steel mesh	Powder coated perforated steel mesh
<b>Connectors</b>	1 x female XLR (input), 1 x male XLR (link) 1 x IEC mains	1 x female XLR (input), 1 x male XLR (link) 1 x IEC mains	1 x female XLR (input), 1 x male XLR (link) 1 x IEC mains
<b>Rigging points</b>	3 x M10 rigging points	3 x M10 rigging points	n/a
<b>Options</b>	Enclosures are finished as standard in black semi-matt textured paint; TurboBlue™ semi-matt textured paint is optionally available		
<b>Amplifier</b>			
<b>Power output</b>	450w @ 8ohms	450w @ 8ohms	450w @ 8ohms
<b>Maximum input</b>	+18dBu	+18dBu	+18dBu
<b>Bandwidth (± 0.5dB)</b>	20Hz - 20kHz	20Hz - 20kHz	20Hz - 20kHz
<b>Power requirements</b>	100v to 230v AC	100v to 230v AC	100v to 230v AC
<b>Power supply</b>	auto switching 100 - 240v AC	auto switching 100 - 240v AC	auto switching 100 - 240v AC



TXP series Version 1.0 08/07 00B152