



Product description

The VSXNET 15DR is a powered, network enabled subwoofer, designed to satisfy a specific requirement for applications where an installed VNET system needs to deliver more low-frequency response is required. The VSXNET 15DR provides the perfect solution when installed alongside other Tannoy VNET products (specifically QFlex, VXNET or VQNET). Examples of such applications would be nightclub dancefloors, corporate AV applications, performance art theatres or auditoria where the clarity and headroom of a VQ system may be desired without needing to be driven to such an extent that large scale subwoofers would be required.

Extending overall frequency response to below 40 Hz, the VSXNET 15DR can be deployed as part of any system designed to provide high impact background music in applications ranging from clubs, bars and cafes, right through to theatres and AV presentations.

The VSXNET 15DR utilises a single high efficiency 380 mm (15") drive unit mounted in a compact and sturdy, black or white painted plywood cabinet which is constructed from 18 mm (0.71") multi-ply birch hardwood. This heavy-duty construction ensures it is designed to survive the punishment that speaker systems are subjected to on the road and in club installations.

Featuring a rugged and durable birch ply enclosure, with ergonomic Integrip™ carry handles the VSXNET 15DR is a highly flexible subwoofer. As well as fixed install, VSXNET 15DR can easily be coupled with VX Series and VXP Series and VLS Series column loudspeakers for portable/live PA applications thanks to an integrated pole-mount recess and the optional VTH pole mount.

Features

- VNET power module for flexible use and integration with VNET networked installations
- 380 mm (15") drive unit mounted in direct radiating configuration
- High performance LF driver design delivering exceptional bass response
- Recessed Integrip handles for ease of handling
- Recessed pole-mount locations for use in portable PA applications
- Rugged plywood construction finished with textured black or white paint
- Improved aspect ratio, deeper volume, more compact front

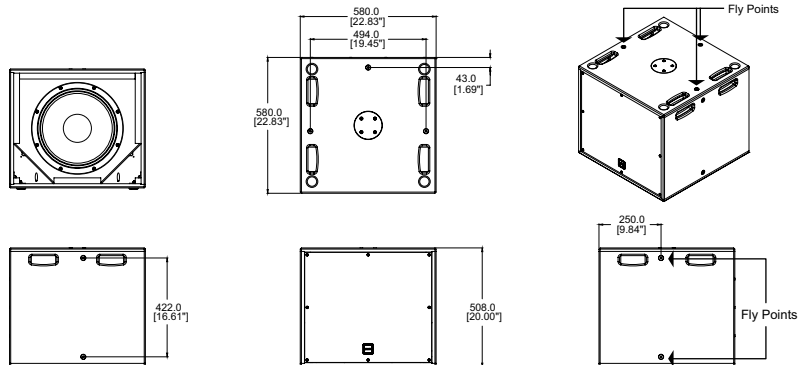
The versatility and impressive performance of this subwoofer make it ideal for applications such as live sound reinforcement, nightclub sub bass, theatre front of house and effects, movie theatres and cinemas, side fill in large scale music reinforcement, theme parks and leisure venues, sports and multi-use stadiums, audio visual, high quality public address and houses of worship.

Physical data

Dimensions HxWxD:	508 mm x 580 mm x 580 mm, (20.0" x 22.8" x 22.8")
Weight:	40 kg (88 lbs)
Enclosure:	132 litres, 18 mm birch plywood, internally braced
Finish:	Textured black or white paint (custom colours on request) Powder coated perforated steel grille

Applications

- Night club or bar system
- Transportation hubs
- Performing arts spaces
- Live sound reinforcement
- Sports arenas
- Visitor attractions
- High output retail (eg. fashion stores)
- Portable AV/PA
- Multimedia installations (eg. museums, galleries)
- Theme parks
- Auditoria
- Movie theatres
- Houses of Worship



Technical Data Sheet

Specifications

VSXNET 15DR

Performance

System type	Direct Radiating Subwoofer
Frequency response (-3 dB) ⁽¹⁾	45 Hz - 3000 Hz
Frequency range (-10 dB) ⁽¹⁾	36 Hz - 4000 Hz
Rated maximum SPL ⁽²⁾	
Average	126 dB
Peak	132 dB
Driver complement	1 x 380 mm (15") Bass drivers
Crossover (DSP Generated)	Fixed, Internal High-pass filter - 40 Hz, 24 dB / octave Variable low pass filter

Distortion

10% full power (28.3 V)	Harmonics		
	50 Hz	2nd	3rd
	50 Hz	1.22%	1.18%
	100 Hz	0.40%	0.30%
1% full power (8.9 V)	50 Hz	0.47%	0.50%
	100 Hz	0.15%	0.17%

Construction

Enclosure	132 litres, 18 mm (5/8") birch plywood, internally braced
Finish	Textured black or white paint (custom colours on request) Powder coated perforated steel grille
Connectors	1 x female XLR (input) 1 x male XLR (link) 1 x RJ45 (network in) 1 x RJ45 (network link) 1 x Neutrik Powercon
Controls & Indicators	LED on front of cabinet behind grille (wink indicator for locating & assigning) Power LED (blue) Signal LED (green) Limit LED (red) User DSP - defeat switch Power Switch
Fittings	12 x M10 Flying inserts (portrait or landscape mounting) 4 x Integrip carrying handles Blanking plate for optional VTH pole mount
Dimensions	H: 508 mm (20") W: 580 mm (22.8") D: 580 mm (22.8")
Weight	40 kg (88 lbs)

Electronics

Efficiency	> 85% typically
Damping Factor	120 ref 8 Ω
Distortion	< 0.05% @ 1 kHz -3 dB output (22 kHz bandwidth)
Input Impedance	5.6 k Ω unbalanced, 11.2 k Ω balanced
Output Power (Programme)	1200 W
Input Sensitivity	1.4 V (+5.5 dBu)
System Type	Dual channel Class D (Bridged)

DSP system

Comms Facilities	Firmware updatable and selected parameters editable
Communications	Serial - RS485 Proprietary message format
Dynamic Range	112 dB (A) typical
DSP	3rd generation SHARC
Sampling Frequency	96 kHz 24 bit A/D - D/A word length
Format	1 IN = 1 OUT

PSU Specifications

Input Connector	Locking Neutrik Powercon
Voltage Selection	Automatic (115 / 230 V, 45 - 65 Hz)
Type	High current, high freq. switch-mode
Efficiency	> 90% typical
Input voltage	100 V / 115 V / 230 V nominal +/- 10%
Mains fuse	External
Fuse type	T10AT
Other features	Automatic soft-start

Notes:

1. Average over stated bandwidth, measured at 1 metre on axis.
2. Unweighted pink noise input, measured at 1 metre in half space.

A full range of measurements, performance data, and Ease™ Data can be downloaded from www.tannoypro.com

New materials or manufacturing methods introduced through Tannoy's policy of continuous research and development may result in variances; however, performance will meet or exceed published specifications, which Tannoy reserves the right to alter without prior notice.

Copyright (c) 2014 Tannoy Limited. All rights reserved.

Ordering Information

Part Number	Colour
8001 7830	Black
8001 7831	White

