

compact

lightweight

powerful

versatile



## PS10 TDCONTROLLER

### PRODUCT FEATURES

Precision circuits engineered for the PS10/LS500 systems permit increased sound pressure and operational reliability

Servo controlled VCEQs provide precise dynamic control without spectral imbalance

2 inputs and 3 outputs enable a single PS10 TD to manage multiple PS10 and LS500 products

Comprehensive indicators and controls

### PS10 SYSTEM APPLICATIONS

Touring, installed PA for clubs, A/V, theater, broadcast, etc.

High quality stage monitoring for clubs, A/V, theater, broadcast, etc.

Fill-in system in conjunction with larger Nexo PS/Alpha systems.



### PS10 System Components

PS10 Loudspeaker

LS500 Subwoofer

▶ PS10 TDCONTROLLER

PS10 Amplifier

The PS10 TDCONTROLLER is an advanced analogue processor that allows the PS10 Loudspeaker and optional LS500 Subwoofer to achieve exceptional performance from such compact packages. The PS10 TD provides crossover, sensed amplifier control and system equalisation optimised for the PS10 and LS500. One PS10 TD has two inputs and three outputs, L, R and summed sub out, minimising installation cost and complexity. Like all Nexo processors, the PS10 TD provides precision dynamic, voice coil temperature and diaphragm displacement protection through the use of selective Voltage Controlled Equalisers (VCEQs), reducing levels only at frequencies when and where necessary.

The PS10 Loudspeaker System is the foundation of Nexo's acclaimed PS Series; versatile, compact, full-range loudspeakers tailored for a wide range of touring and installed sound reinforcement applications. Like all Nexo products, the PS10 Loudspeaker and optional LS500 Subwoofer are designed to work with advanced electronic processors, guaranteeing consistent performance and reliability of the highest standard.

PS10's compact size, enormous sound and reconfigurable horn make it the perfect solution for almost any application.



SONIC INNOVATION THAT WORKS

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PRODUCT FEATURES

Audio Inputs	Two L&R Audio inputs. Electronically balanced, 36 kOhm. Two XLR-3F connectors.	
Sense Inputs	Three Amplifier Sense Inputs (PS10 L&R, LS500). 150 kOhm. 6 Pole Removable Strip Terminal.	
Audio Outputs	Two L&R PS10 Audio outputs. Electronically balanced, 50 Ohm. Two XLR-3M.	
	One Mono (L+R) LS500 Audio output. Electronically balanced, 50 Ohm. One XLR-3M.	
Controls	Std/Max Protection Trimmer. Gain switch (back panel), 3 positions for Amps with Gain : 26 / 32 / 38 dB. Sub On switch & Sub Gain Control.	
Indicators	Speaker Protect LED's. Amp Sense & Peak LED's.	
Dimensions	1U 19" Rack.	190mm (7.5") Depth
Weight :	2.9 kg (6.6 lbs) net	

SPECIFICATIONS

Output Level	+20 dBm Max. +19dBm Max on 1kOhm	
Noise	-88 dBm (22 Hz - 22 kHz, UnWeighted)	
THD+N	< 0.03% Typ. 0.05 Max for +18dBm Output	
Power Supply	110/220 Volts (internal wiring), 50/60Hz.	Earth-Lift (back panel)

SYSTEM OPERATION

Applicable Products	The PS10 TDController is precisely matched to the PS10 & LS500 cabinets and includes sophisticated protection systems. Use of either product without a properly connected Controller will result in poor sound quality and may damage the components.	
Subbass	Active two-way operation of the PS10 Loudspeaker with the LS500 Subwoofer is included in the PS10TD.	

SHIPPING & ORDERING

Packaging	PS10TDs are sold as single items and in multiples thereof.	
Shipping Weight & Volume	1 x PS.10UTD = 3.4 kg (7.5 lbs) 0.02 cu m (0.71 cu ft)	
As part of a policy of continual improvement, NEXO reserves the right to change specifications without notice.		

PS10 TDCONTROLLER

**NEXO** is one of the world's leading sound reinforcement loudspeaker manufacturers. Founded in 1979, the company is dedicated to crafting practical solutions with solid engineering. Each new design begins with a proprietary sophisticated computer simulation process that allows every parameter to be extensively modelled and simulated, leading to breakthrough cost and performance gains.

Nexo's comprehensive product line includes loudspeakers, analogue and digital control electronics and amplification; all designed to deliver consistent sound quality and long-term reliability for a broad range of applications. Continuing research drives all new product development to deliver on our promise; **Sonic Innovation That Works.**

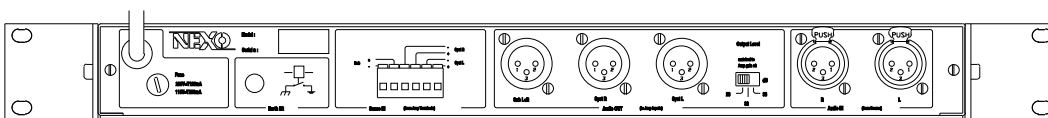


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LIMITED WARRANTY

Nexo loudspeakers and electronics are covered against defects in workmanship or materials for a period of two (2) years from the original date of purchase. At the option of Nexo, the defective item will be repaired/replaced with no charge for materials/labor. The item is to be adequately packaged and dispatched, pre-paid, to a Nexo authorized distributor/service center. Unauthorized repair shall void the warranty. This Nexo warranty does not cover cosmetics or finish and does not apply to any items which in Nexo's opinion have failed due to user abuse, accidents, modifications or any type of misuse.

