

TECHNICKÁ SPECIFIKACE PRO ČÁST 8

Souprava reproboxů na velký sál DHNP - 6ks pasivních reproboxů se zesilovačem

- 6ks reproboxů

Frekvenční charakteristika	minimálně v rozsahu 95 Hz - 20 kHz
Maximum SPL	121 dB
Charakteristika	110° axisymetrická
Nominální impedance	16 Ω
Konektory	IN: 1 x 4 bodový, LINK: 1 x 4 bodový
Rigging	1 x 3/8" závit pro mikrofonní stativ

- 1ks zesilovače

4 kanálový zesilovač o výkonu	minimálně 4x 1000W/4 Ω
Frekvenční rozsah	alespoň 20Hz - 20kHz
Zesilovač třídy	D
Nominální citlivost	alespoň 32 dB
Vstupní konektory	4x symetrický XLR
Výstupní konektory	4x 4 bodový
Podpora AES/EBU	Ano

Zesilovač i reproboxy musí být kompatibilní se systémem L'acoustics.

Dodavatel:



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Česko

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Nabídka č.:

25NA00238

Forma úhrady:

Příkazem

Datum zápisu:

09.07.2025

Platno do:

31.07.2025

Konečný příjemce:

Cenová nabídka pro část 8

Označení dodávky	Množství	J.cena	Sleva	Cena	%DPH	DPH	Kč Celkem
100959:L-Acoustics 5XT, 2-way passive coaxial enclosure: 5" LF + 1" HF diaphragm	6 ks	19 449,50		116 697,00	21%	24 506,37	141 203,37
100981:L-Acoustics LA4X CE, Amplified controller with PFC 4 x 1000 W /8 Ohms. Ethernet network. AES/EBU. CE version	1 ks	150 873,25		150 873,25	21%	31 683,38	182 556,63
Součet položek CELKEM K ÚHRADĚ				267 570,25		56 189,75	323 760,00 323 760,00

Vystavil: [REDACTED]

5XT SHORT THROW POINT SOURCE



POINT SOURCE



COAXIAL

5XT is an ultra-compact coaxial system designed for short throw applications. Part of the X Series, 5XT is a 5" format loudspeaker that provides exceptional output and broad bandwidth for its size, ensuring premium sonic performance with minimum visual impact.

5XT is a two-way passive enclosure with transducers mounted coaxially to produce a 110° axisymmetric directivity with a smooth tonal response free of secondary lobes over the entire frequency range. Housed in a cabinet made of first grade Baltic birch plywood, the lightweight 5XT is a perfectly cubic to ensure perfect identical sound reinforcement in any orientation.

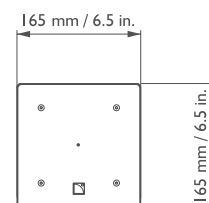
The combination of tight dimensions, flexible mounting options and RAL architectural programs make for easy integration in any situation. On its own, 5XT is an ideal complement to larger systems in venues that require easy and discreet integration such as theaters, houses of worship, corporate facilities and studios. Supplemented by a subwoofer, 5XT is also perfect as a distributed background music system in bars, restaurant, conference rooms, museums and other hospitality venues.

SPECIFICATIONS

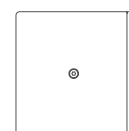
Description	2-way passive coaxial enclosure amplified by LA2Xi / LA4X / LA12X
Usable bandwidth (-10 dB)	95 Hz – 20 kHz ([5XT] preset)
Maximum SPL¹	121 dB ([5XT] preset)
Nominal directivity (-6 dB)	110° axisymmetric
Transducers	LF: 1 x 5" weather resistant HF: 1 x 1" compression driver
Acoustical load	LF: bass-reflex
Nominal impedance	16 Ω
Connectors	IN: 1 x 4-point speakON® LINK: 1 x 4-point speakON® IN/LINK: 2 x 2-point screw terminals
Rigging and handling	1 x 3/8" insert for microphone stand 2 x M6 inserts for ETR5 U-bracket
Weight (net)	3.5 kg / 7.7 lb
Cabinet	Premium grade Baltic birch plywood
Front	Steel grill with anti-corrosion coating
Finish	Dark grey brown Pantone® 426 C Pure white RAL® 9010 Custom RAL® code on special order
IP	IP30 / IP54 ²

¹ - Peak level at 1 m under free field conditions using pink noise with crest factor 4 (preset specified in brackets).

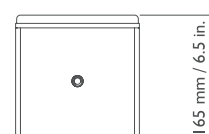
² - IP54 is achieved with the 5XT-SEALPLATE connector sealing plate and a down-tilt angle of 20° and more



Front



Side



Top

LA4X AMPLIFIED CONTROLLER



The LA4X is an amplified controller based on a 4-input by 4-output architecture and an exclusive green power module providing maximized efficiency. With LA4X, L-Acoustics® speakers can get all the benefits of self-powered speakers, while keeping the versatility of the separated amplification approach.

For applications requiring a high count of loudspeaker enclosures with optimized cost of amplification, the LA4X can efficiently operate as a conventional amplified controller driving speakers in parallel from its four amplification channels, with the added benefit of the 4 inputs when using passive loudspeaker enclosures.

Packaged in a 2U chassis, LA4X integrates powerful DSP resources with built-in loudspeaker optimization tools and the proprietary L-DRIVE system to protect the loudspeakers and the amplified controller. In addition to analog and AES/EBU inputs, LA4X features Milan-AVB audio network connectivity.

SPECIFICATIONS

Amplification and power supply

Output power, all channels loaded	4 channels at 4 Ω	4 channels at 8 Ω
Output power EIA (1% THD, 1 kHz, all channels driven)	1000 W	1000 W
Amplification class	High efficiency class D	
Power supply model	Universal Switched Mode Power Supply (SMPS) with Power Factor Correction (PFC)	
Mains rating	100 V - 240 V ~ ±10%, 50-60 Hz	

Audio specifications

Frequency response (20 Hz - 20 kHz, 8 Ω load, 60 W output power)	± 0.25 dB
Distortion THD+N (20 Hz - 20 kHz, 8 Ω load, 60 W output power)	< 0.05%
Output dynamic range (20 Hz - 20 kHz, 8 Ω, A-weighted, Digital input)	> 110 dB
Noise level (20 Hz - 20 kHz, 8 Ω, A-weighted, Digital input)	< -70 dBV

DSP

Digital Signal Processor (DSP)	SHARC 32-bit, floating point, 96 kHz sampling rate
I/O routing	4 x 4 routing and summation
Per output channel	Built-in EQ station with 8 IIR, 4 FIR EQ filters Array morphing (LF contour, zoom factor), Air absorption compensation filters Internal IIR and FIR EQ algorithms for speaker phase linearization and improved impulse responses Output delay from 0 to 1000 ms

Technologies

Loudspeaker Management	L-DRIVE advanced system protection (excursion, temperature and over-voltage)
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Circuits protection

Mains and power supply	Over and under voltage / over temperature / overcurrent / inrush current protection
Power output	Over current limiting / DC / short circuit / over temperature

Inputs / Outputs

AVB input	4 channels 48kHz / 96 kHz from 1 stream of up to 8 channels
AES/EBU XLR inputs (shared with analog A & C)	4 channels (2 x AES/EBU, 44.1 - 192 kHz sampling rate) With active XLR link outputs and bypass relay
Analog XLR inputs (shared with AES/EBU A & C)	4 channels with XLR link outputs
Loudspeaker outputs	4 x 4-point speakON™

Control and monitoring

Network connection	Dual-port Ethernet Gigabit interface etherCON™ I/O
Third-party control solutions	Q-SYS® / Crestron® / Control4® / Savant® / HTTP API

Operating conditions

Temperature	Room temperature from 0° C / 32° F to +50° C / 122° F
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Physical data

Dimensions W x H x D	483 x 88 (2U) x 406 mm / 19 x 3.5 (2U) x 16 in
Weight	11.3 kg / 24.9 lb

