



CREATIONS

ARCHIPEL SOUND SYSTEM HAWAII 2.1

Specification sheet



2.6 m
Optimal Listener Position

8 m²
Sweet Spot

80 m²
Listening Area

133 dB
Maximum SPL

4,000 W
Output Power

Our Hawaii professional sound system brings the music festival to your private lounge environment and fills the room with the vibes you love. In fact, Hawaii perfectly matches the sonic signature of L-Acoustics professional stage systems used for mixing at the world's most sought-after music events and tours. The X8 concentric speaker design at the core of Hawaii makes it the preferred desk monitor choice of leading front of house engineers worldwide. X8 puts you in the position of experiencing the dynamics of live music as if you were at the mixing console yourself with ample SPL available. As for the bass, this 2.1 setup pairs two X8 with two Syva Sub, a subwoofer that combines all of our most advanced pro audio technologies to optimize low frequency delivery while keeping turbulence under control and improving articulation.

APPLICATIONS



Hawaii will perform best as a wall-mounted system paired with a screen, a bookshelf system, a headphones-free music listening lounge or a premium mixing home studio monitor system for music creation.

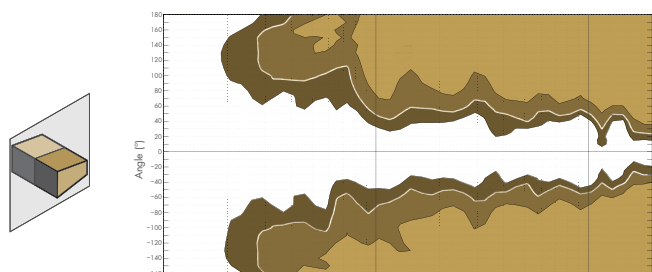
GENERAL SPECIFICATIONS

Audio system performance

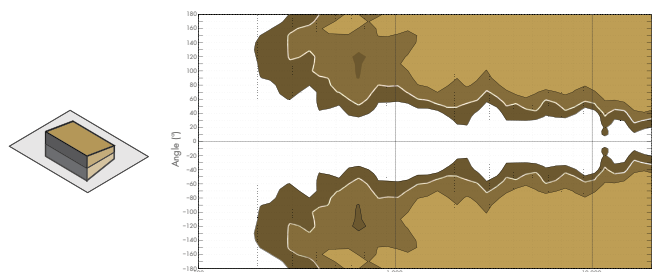
Maximum SPL	133 dB	Peak SPL at 1 m using pink noise with 12 dB crest factor
Frequency bandwidth	20 Hz - 20 kHz	Range of frequencies within 10 dB of HF plateau, calibrated by factory preset
Frequency contour	+15 dB @ 40 Hz	Flat above pivot point and +5 dB/octave slope below, according to L-Acoustics sonic signature
Output power	4,000 W	RMS power delivered by LA4X via 4 channels of amplification

Technology

Loudspeaker technology	Concentric Driver Technology	Coaxial transducer designed for medium throw applications
Loudspeaker transducer	8" LF + 1.5" HF	HF diaphragm compression driver mounted on neodymium LF transducer
Loudspeaker directivity	100° axisymmetric	At -6 dB from on-axis response, averaged over 1 - 10 kHz range
Subwoofer technology	Laminar vented enclosure	L-Acoustics low-turbulence progressive vent design
Subwoofer transducer	1 x 12"	High-power transducer with extra-long excursion 40 mm peak to peak



Loudspeaker directivity in vertical plane using lines of equal sound pressure at -3 dB, -6 dB, -12 dB.

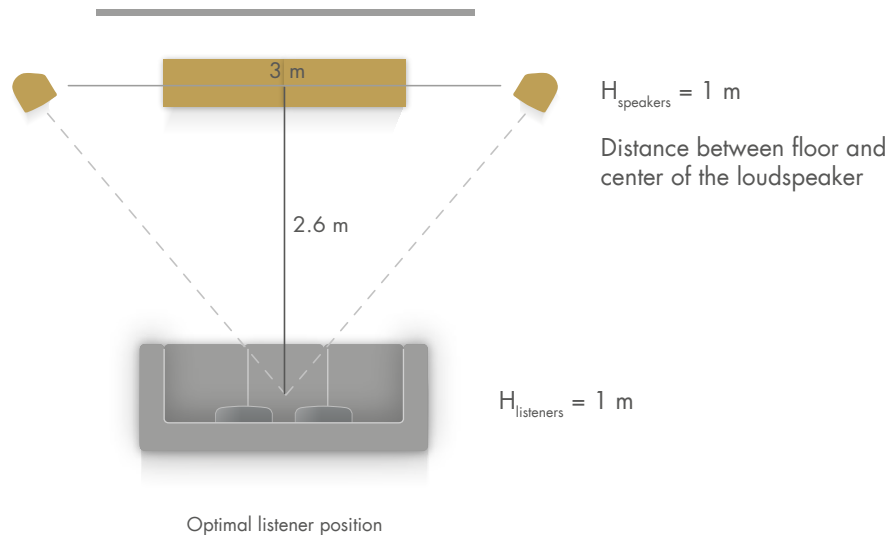


Loudspeaker directivity in horizontal plane using lines of equal sound pressure at -3 dB, -6 dB, -12 dB.

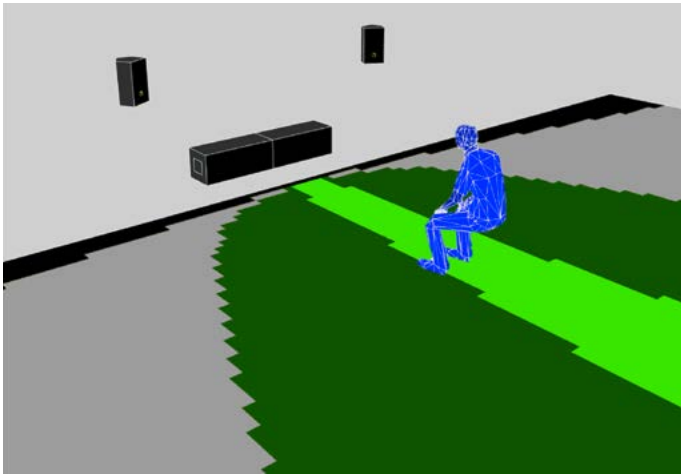
Listening space

Optimal listener position	2.6 m	Equivalent to the mixing engineer position with full, concert-like dynamics and capable of SPL levels of more than 105 dB SPL A weighted ¹
Sweet spot	8 m²	Area of spatialization and full stereophony equivalent to the mixing area at a concert
Listening area	80 m²	Area defined by the system coverage in which nominal SPL can exceed 90 dB SPL A-weighted

¹ Beware of sound levels. Loudspeaker systems are capable of producing very high sound pressure levels which can lead to hearing damage.



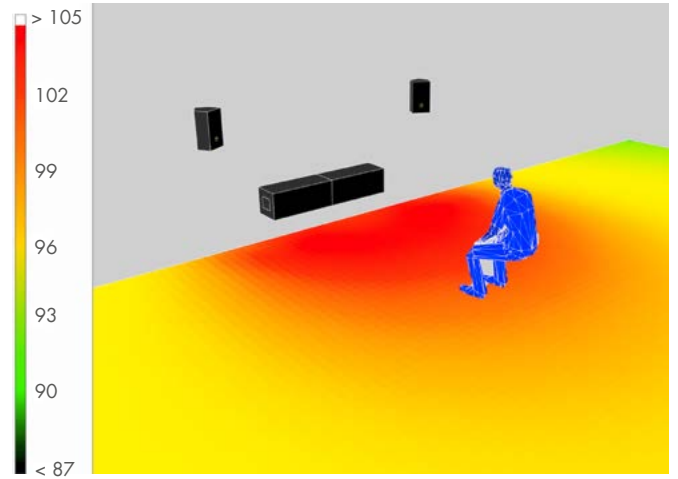
Coverage



Sweet spot: spatialized zone mapping modeled in L-Acoustics Soundvision software represented by the central light green area

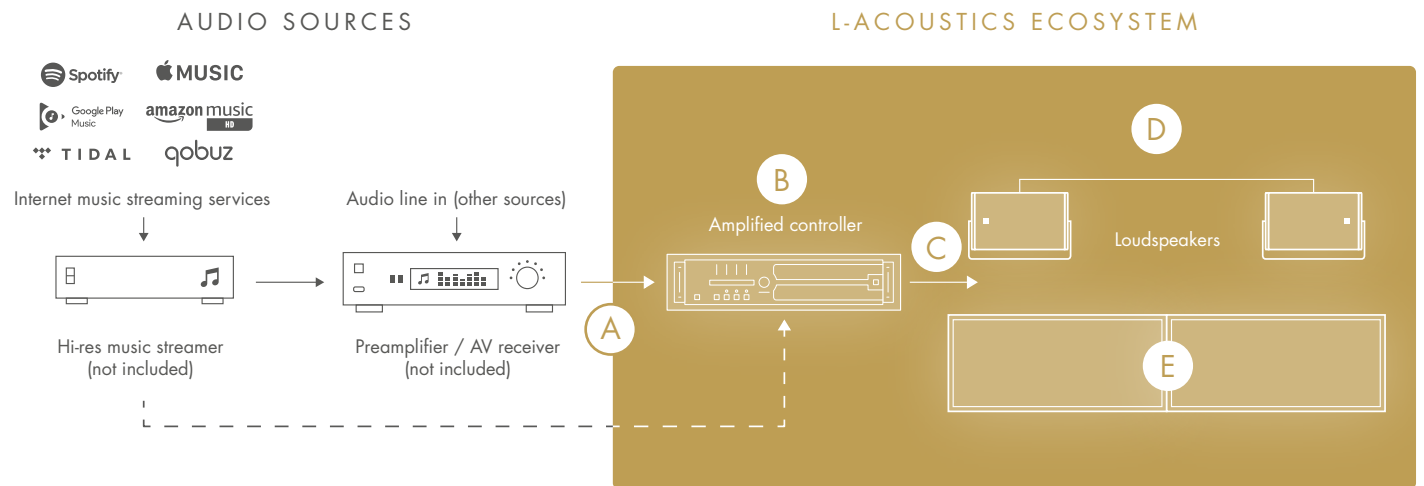
■ Sweet spot ■ Listening area

SPL (dBA)



Listening area: SPL (Sound Pressure Level) mapping modeled in L-Acoustics Soundvision software

COMPONENTS AND SYSTEM DIAGRAM



A Signal cables	1 × SPDIF2 XLR: SPDIF to 1 × XLRM (2 m)	1 × AES2 XLR: XLR AES (2 m)
B Amplification and processing	1 × LA4X class D four-channel amplified controller, with case	
C Speaker cables	4 × SP5X SE: 4 × 2.5 mm ² , NL4 connectors (5 m)	
D Full range loudspeakers	2 × X8 2-way passive coaxial loudspeakers: 8" LF + 1.5" HF diaphragm, with wall-mount accessory (stands not included)	
E Subwoofers	2 × Syva Sub infra low frequency subwoofer: 1 × 12" LF	

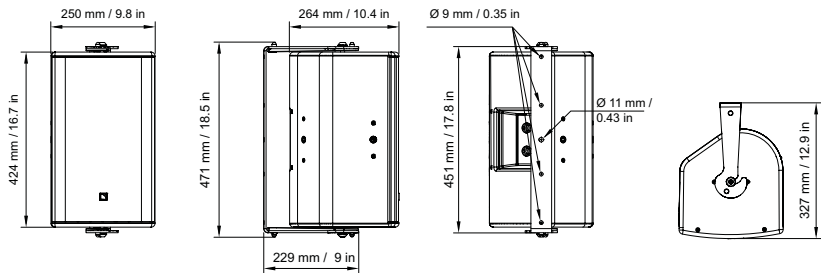
For detailed connection diagram and installation procedure, please refer to the Setup guide.

ARCHITECTURAL SPECIFICATIONS

Dimensions and weights

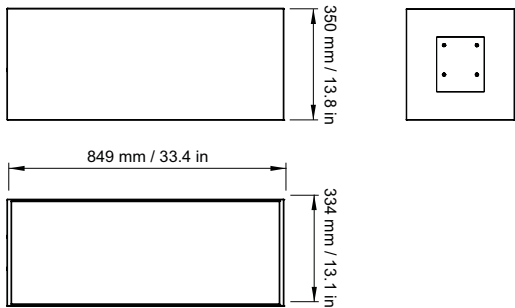
X8

Weight (net)	12 kg / 26.5 lb
IP Rating	43



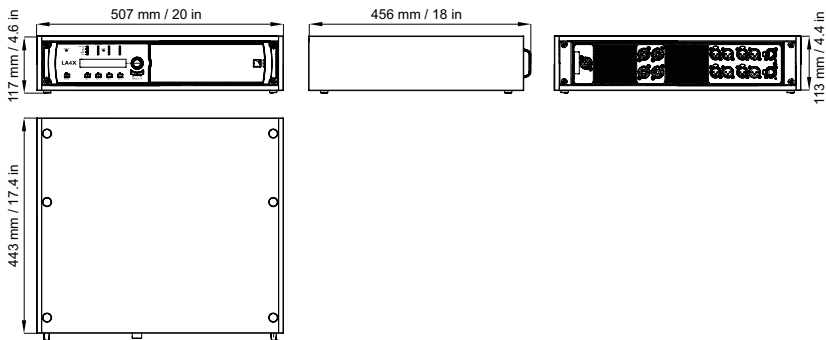
Syva Sub

Weight (net)	27 kg / 60 lb
IP Rating	55



LA4X with case

Weight (net)	15.5 kg / 34.1 lb
IP Rating	3x



FINISHES

The X8 and Syva Sub cabinets are made of premium grade Baltic birch plywood, protected with a bi-component hard coating for indoor and outdoor use. The loudspeakers exist in two exterior finishes: Dark Grey Brown and Pure White.



Dark Grey Brown



Pure White