

STAX electrostatic loudspeaker system

ELS-8X



ELS-4X



• Stax electrostatic speaker systems operate on the same principle as our electrostatic ear speakers. This is why it is possible to obtain such incredibly rich and detailed reproduction from such a thin flat panel.

The push-pull electrostatic drive system has extremely low mass and is driven across the entire diaphragm surface so it suffers from none of the cone breakup problems or distortions that plague conventional speaker systems employing magnets and voice coils. Frequency response, transient response and phase response are simply unbeatable. Furthermore, the fact that the sound is radiated from the entire diaphragm surface, and not from a point source, means that sound quality remains sharply etched and effortlessly accurate whether you listen near or far from the speaker systems. Even the natural acoustic peculiarities of your listening room have much less effect on the linearity of frequency response of the reproduced sound.

Stax ELS speaker systems are easy to use. Connect the signal cables to your amplifier's speaker terminals and plug the speaker systems into an AC main outlet.

When developing the ELS-8X and ELS-4X we made the following improvements over our previous models, the ELS-6A and ELS-4A:

1. The baffle board is 36mm thick instead of 18mm to assure clearer low-range response and sharper imaging.
2. The crossover network (low-pass filter) has been improved to prevent crosstalk and reduce distortion.
3. Oxygen-free copper wiring is employed for better signal transmission.
4. Mechanical strength of all units has been improved for greater reliability.
5. The signal transformer features an even higher quality core (ELS-4X).

The ELS-8X employs four woofer units, two full-range units, and two tweeter units. The ELS-4X employs two woofer units, one full-range unit, and one tweeter unit. Both speaker systems are 9cm thick. The ELS-8X measures 190 x 77cm and the ELS-4X 156 x 77cm.

	ELS-8X	ELS-4X
Type:	Full range Push-pull electrostatic loudspeaker	
Input Impedance:	8 Ω	
Frequency Response:	35 Hz – 20,000 Hz	45 Hz – 20,000 Hz
Maximum Input:	100 W	60 W
Output sound Pressure Level: (400 Hz / 2 W / 1 m)	79 dB	
Crossover Frequency:	300 Hz	
Constructions:		
Woofer	4	2
Full Range	2	1
Tweeter	2	1
Power Consumption:	3.5 W	
Dimensions (W x H x D):	190 x 77 x 8.6 cm	156 x 77 x 8.6 cm
Weight:	53 kg	45 kg