TIME-ALIGN™ TECHNIQUE as applied to loudspeakers, is a real-time design method, utilizing proprietary instrumentation, which allows the acoustic output of a multi-way loudspeaker system. to be adjusted so that the fundamental and overtones of a complex transient arrive at a listener's ears with the same time relationships they had in the electrical signal at the loudspeaker's input terminals. Both the amplitude and time characteristics are carefully adjusted, with particular attention paid to spicing the time characteristics of any two adjoining frequency ranges. The acoustical position of a driver is a function of both its high frequency cutoff and that of the electrical network feeding it. This fact is overlooked by many designers who consider that lining up the voice coils of the various drivers in a multi-way system, is sufficient to provide time compensation. In the SONEX TWO MK II, both driver placement and electrical network techniques are used to provide exact TIME-ALIGNMENT™ of the acoustical output.

## PERFORMANCE SPECIFICATIONS FREQUENCY RESPONSE 1345 5586 to 18kHz (4r steradians, free field) 1648 12Hz to 18kHz (wall-floor boundaries) POMER REDUIREMENTS 10 Watts for 8048 SPL per 1000 ft<sup>3</sup> room volume 1 Watt for 89 dB SPL per 1000 ft<sup>3</sup> room volume 1 Watt for 89 dB SPL 0 1 meter (4% steradians, free field) POMER HANDLING 40 Watts (104 duty cycle) below 1 kHz 15 Watts continuous, 320 Watts (104 duty cycle) above 1 kHz 15 Watts continuous, 120 Watts (104 duty cycle) above 1 kHz SENSITIVITY uD dB SPL/volt/meter DISTORTION Less than 14 2nd or 3rd harmonic 806z to 18kHz Less than 54 2nd or 3rd harmonic 32Hz to 18kHz 190 dB SPL 9 1 meter) IMPEDANCE 10 Ohms minimum

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DESIGN SPECIFICATIONS
SYSTEM TYPE
TIME-ALIGN<sup>TM</sup>, 4-way system, driver offset
Two 16 cm (64") Bass Drivers
One 9 cm (35") Mid Driver
One 2.5 cm (1°) Treble Driver
One 25 cm (10") Passive Radiator
CROSSOVER
TIME-ALIGNIM, slow gradient, minimum phase design
1.3 kHz and 7 kHz. (60 Hz to Passive Radiator)
ENCLOSURE VOLUME
70 Liters (2.5 cubic feet)
90 cm × 40.6 cm × 31.8 cm
354" × 16" × 124"
ENCLOSURE CONSTRUCTION AND FINISH Handrubbod satin walnut finish. Walnut veneer on
3/4" and 15" high density particle board material.
Lockmitre joints. Internal bracing.
Brown cloth on wood frame with foam diffraction buffers.
SYSTEM MEIGHT
26.3 kg (58 lb) Net
30.8 kg (68 1b) Shipping
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SONEX





"... a truly musical experience"