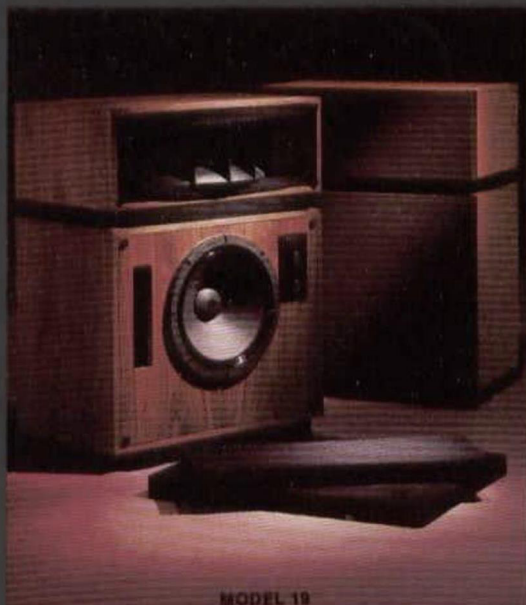


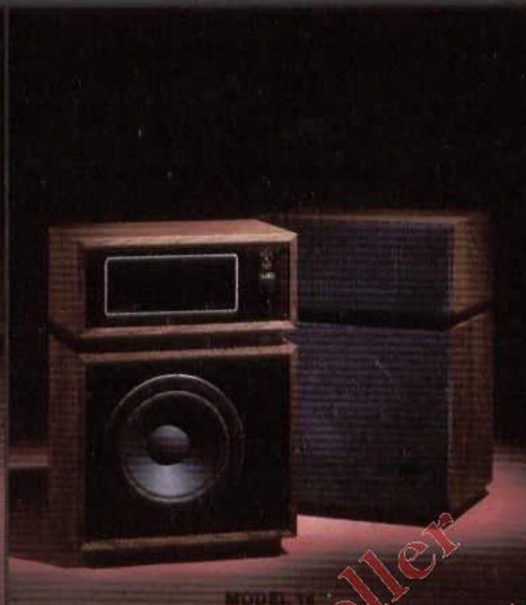
ALTEC LANSING

choice of the professionals

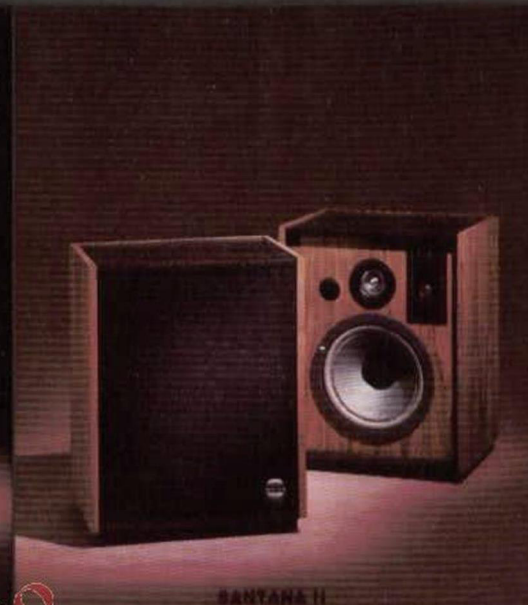
ALTEC
LANSING®



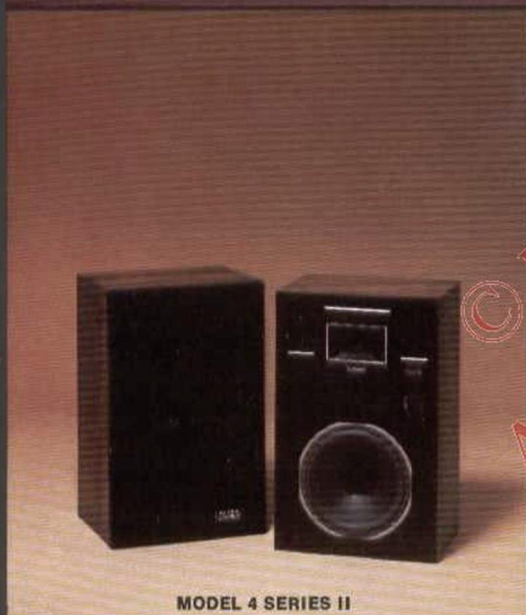
MODEL 19



MODEL 14



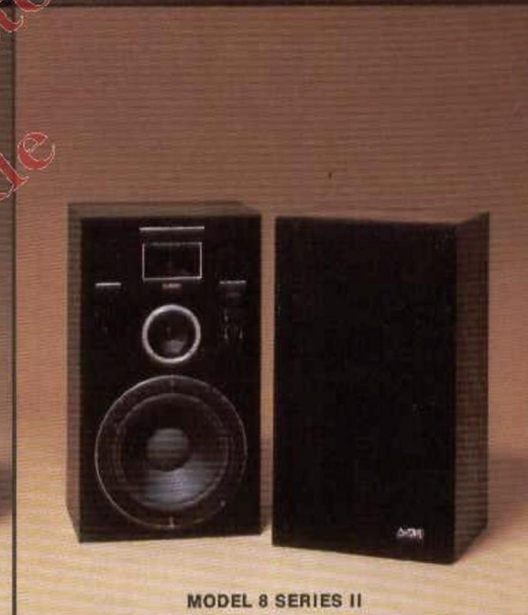
SANTANA II



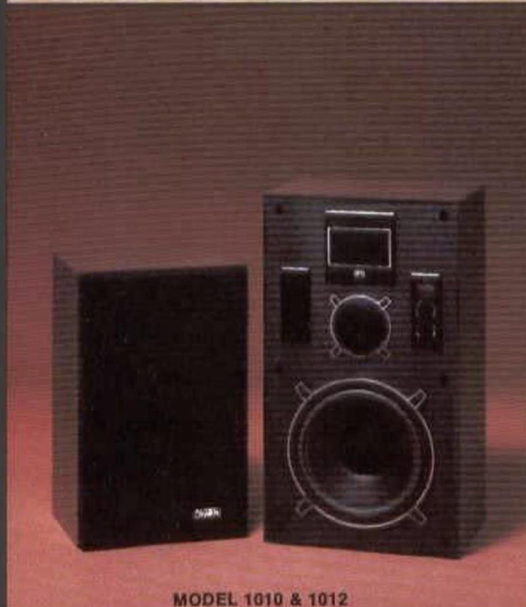
MODEL 4 SERIES II



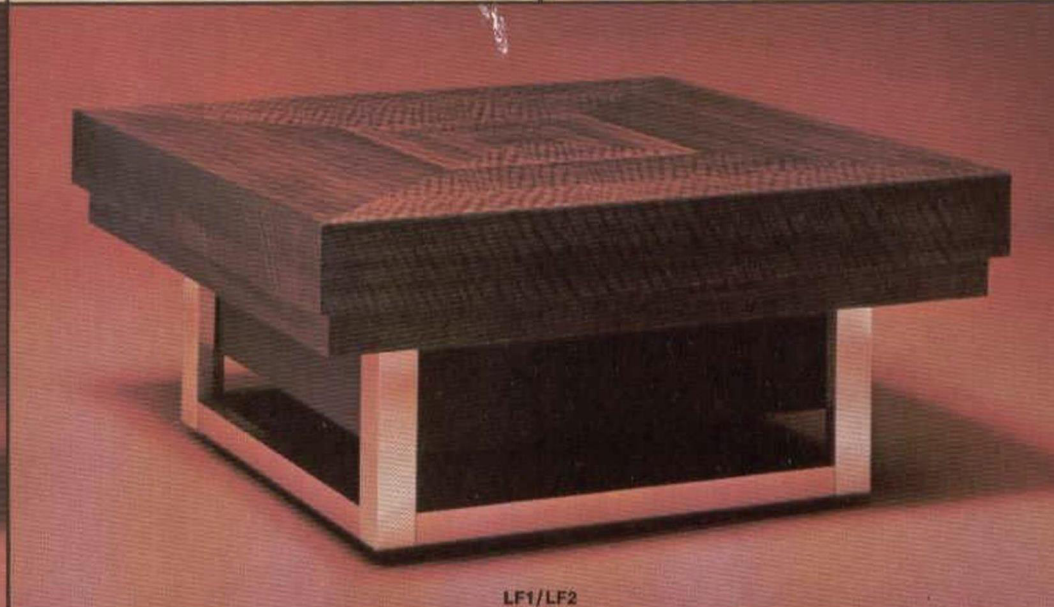
MODEL 6 SERIES II



MODEL 8 SERIES II

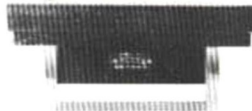


MODEL 1010 & 1012



LF1/LF2

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SPECS:	MODEL 4 SERIES II	MODEL 6 SERIES II	MODEL 8 SERIES II	MODEL 1010	MODEL 1012	SANTANA II	MODEL 14	MODEL 19	LF1/LF2
SPEAKER COMPONENTS:									
LOW FREQUENCY	25cm bass driver (10")	25cm bass driver (10")	30cm bass driver (12")	25cm bass driver (10")	30cm bass driver (12")	30cm bass driver (12")	30cm bass driver (12")	38cm bass driver (15")	30cm dual voice coil subwoofer (12") (LF-1) 30cm bass driver (12") (LF-2)
MID FREQUENCY		13cm frame cone driver (5")	13cm frame cone driver (5")		13cm frame cone driver (5")	13cm frame cone driver (5")			
HIGH FREQUENCY	LZT Compression Driver with Tangerine*** radial phase plug mounted to Mantaray** constant directivity horn	LZT Compression Driver with Tangerine*** radial phase plug mounted to Mantaray** constant directivity horn	LZT Compression Driver with Tangerine*** radial phase plug mounted to Mantaray** constant directivity horn		Liquid-cooled Energy-refracting Transducer		Tangerine*** radial phase plug compression driver mounted to Mantaray** constant directivity horn	Tangerine*** radial phase plug compression driver mounted to 811B sectoral horn	
NOMINAL IMPEDANCE	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms/8 ohms (voice coil) 47K ohm (input) (LF-2)
CROSSOVER FREQUENCY	2000 Hz	700 Hz; 5000 Hz	700 Hz; 5000 Hz	3000 Hz	1000 Hz; 8000 Hz	2500 Hz	1500 Hz	1200 Hz	80 Hz/40, 60, 80 Hz Selectable (LF-2 only)
ENCLOSURE TYPE	Vented	Vented	Vented	Vented	Vented	Vented	Vented	Vented	Vented
SENSITIVITY¹	90 dB SPL	92 dB SPL	94 dB SPL	92 dB SPL	93 dB SPL	90.5 dB SPL ⁶ 92.5 dB SPL ⁷	96.5 dB SPL	100.5 dB SPL ⁶ 103.5 dB SPL ⁷	95.5 dB SPL
FREQUENCY RESPONSE	60 Hz to 20 kHz \pm 3 dB	60 Hz to 20 kHz \pm 2.5 dB	60 Hz to 20 kHz \pm 2.5 dB	60 Hz to 20 kHz \pm 4 dB	60 Hz to 20 kHz \pm 4 dB	45 Hz to 20 kHz \pm 5 dB	40 Hz to 20 kHz \pm 5 dB	36 Hz to 20 kHz \pm 5 dB	20-80 Hz \pm 5 dB (LF-1) 35-80 Hz \pm 3 dB (LF-2)
DISPERSION²	100° wide 40° up 20° down	100° wide 40° up 20° down	100° wide 40° up 20° down	90° at -6 dB vertical 100° at -6 dB horizontal	90° at -6 dB vertical 100° at -6 dB horizontal	130° at -6 dB vertical 130° at -6 dB horizontal	40° at -6 dB vertical 90° at -6 dB horizontal	105° at -6 dB vertical 105° at -6 dB horizontal	360°; true omnidirectional
LONG TERM BROAD BAND MAX POWER³	40 watts unprotected 200 watts with Automatic Power Control	40 watts unprotected 200 watts with Automatic Power Control	40 watts unprotected 200 watts with Automatic Power Control	40 watts unprotected 200 watts with Automatic Power Control	40 watts unprotected 200 watts with Automatic Power Control	45 watts ⁶	75 watts unprotected 200 watts with Automatic Power Control	65 watts ⁶	60 watts unprotected 200 watts with Automatic Power Control
DYNAMIC RANGE⁸	45 dB	47 dB	50 dB	48 dB	49 dB	47.5 dB	54 dB	57 dB	52 dB
AMPLIFIER OPERATING RANGE⁴	20-200 watts	20-200 watts	20-200 watts	15-150 watts	15-150 watts	12-150 watts	10-350 watts	10-350 watts	10-350 watts (LF-1) 85 watts (LF-2) included
LONG TERM MAX ACOUSTIC OUTPUT⁵	107 dB SPL	109 dB SPL	112 dB SPL	108 dB SPL	109 dB SPL	107.5 dB SPL ⁷	114 dB SPL	117 dB SPL	112 dB SPL
FINISH	Walnut-stained, oiled hardwood	Walnut-stained, oiled hardwood	Walnut-stained, oiled hardwood	Walnut-Grain Vinyl	Walnut-Grain Vinyl	Hand-rubbed oiled walnut with composition slate top	Hand-rubbed, oiled walnut	Hand-rubbed oiled walnut	Hand-rubbed, diamond-matched Endriana, sheen lacquered
GRILLE	Acoustically-transparent black knit fabric mounted on removable frame	Acoustically-transparent black knit fabric mounted on removable frame	Acoustically-transparent black knit fabric mounted on removable frame	Acoustically-transparent black knit fabric mounted on removable frame	Acoustically-transparent black knit fabric mounted on removable frame	Acoustically-transparent black knit fabric mounted on removable frame	Acoustically-transparent black knit fabric mounted to removable frame	Acoustically-transparent knit fabric mounted on removable frame. Black supplied with walnut cabinet	N/A
DIMENSIONS:									
HEIGHT	58.5cm (23")	64.8cm (25½")	75cm (29½")	58.5cm (23")	75cm (29½")	64.8cm (25½")	76.2cm (30")	99.1cm (39")	40.6cm (16")
WIDTH	37cm (14½")	39.4cm (15½")	41.9cm (16½")	37cm (14½")	41.9cm (16½")	48.3cm (19")	53.3cm (21")	76.2cm (30")	91.4cm (36")
DEPTH	31cm (12¼")	34.3cm (13½")	35.5cm (14")	31cm (12¼")	35.5cm (14")	40.6cm (16")	41.9cm (16½")	53.3cm (21")	91.4cm (36")
SHIPPING WEIGHT	16.3Kg (36 lbs.)	20Kg (44 lbs.)	27.2Kg (60 lbs.)	16.3Kg (36 lbs.)	21.8Kg (48 lbs.)	30.4Kg (67 lbs.)	43.1Kg (95 lbs.)	72.3Kg (166 lbs.)	59Kg (130 lbs.)/ 64.4Kg (142 lbs.)
ACTUAL WEIGHT	13.6Kg (30 lbs.)	16.8Kg (37 lbs.)	23.1Kg (51 lbs.)	13.6Kg (30 lbs.)	18.6Kg (41 lbs.)	25.9Kg (57 lbs.)	34.9Kg (77 lbs.)	64.9Kg (143 lbs.)	48.1Kg (106 lbs.)/ 55.3Kg (122 lbs.)

1. SENSITIVITY: Measured at 1 meter 1 watt input referenced to 8 ohms, using pink noise which has been limited to a bandwidth of 500 Hz to 3 kHz.

2. DISPERSION: Measured with pink noise limited to a bandwidth of 800 Hz to 8 kHz at a distance of 4 ft. at -6 dB point of reference.

3. LONG TERM BROAD BAND MAXIMUM POWER: Measured with a source of pink noise limited to the frequency response bandwidth of the system over an extended time period.

4. AMPLIFIER OPERATING RANGE: This figure is for amplifier selection guidance only. Do not mistake it for the speaker's lower capacity. Refer to full-line catalog for further clarification.

5. LONG TERM MAXIMUM ACOUSTIC OUTPUT: Measured with a source of pink noise limited to the frequency response bandwidth of the system at a distance of 4 ft.

6. Measured with shelving controls set at Optimum.
7. Measured with shelving controls fully clockwise.
8. Minimum crest factor above 60 dB SPL at 1 meter.

*U.S. Patent No. 4,187,926; Foreign patents pending.
 **U.S. Patent No. 4,050,541; Foreign patents pending.

