



Technical Specification LDS100

DESCRIPTION

LDS100 represents a new breakthrough achieving studio sound quality in demanding P.A. applications.

Each LDS 100 is equipped with one 7" drivers and one Planar-Magnetic (ribbon) Drivers.

The voice coil formers and cones of the 7" low-frequency drivers are fabricated from aluminium, while magnets are vented to optimise cooling.

The Planar-Magnetic (ribbon) Drivers used in the LDS 100 employ an innovative high-tech diaphragm material called Kaladex®, from Dupont.

The cabinet is of the closed type to preserve the impulse response. Each cabinet is made of heavily braced Swedish MDF and plywood, and is constructed with no parallel walls to avoid standing waves. The enclosure has separate chambers for high and low frequencies, which are both optimally damped, using two different materials.

The LDS 100 cabinet are equipped with six rigging points designed to simplify set-up and installation.

The LDS 100 is ideally suited as a effect speaker, surround speaker, monitor speaker or as a fill speaker for numerous application.

Each LDS 100 can be mounted either horizontally or vertically.



SPECIFICATION DATA

Operating Frequency Range (Hz)

120Hz to 18kHz

Sensitivity (dB SPL/2.83Vrms/1m)

LF	93
HF	93

Transducers

LF	1 x 7" Cone Alu Drivers
HF	1 x 8" Planar Magnetic Transducers

Impedance (Ohms)

LF	4
HF	4

Power Handling (Watts)

	Programme	Peak
LF	50	225
HF	75	150

Maximum SPL (dB, @ 1m)

	Continuous	Peak
	110.0	114.0

Nominal Coverage Angle / -6 dB points (degrees)

Horizontal	120 (150Hz-12kHz)
Vertical	15 (500Hz-18kHz)

Recommended Amplifier And Protection Settings

Amplification Gain	29dB (both channels)
Peak Limiter	Threshold +8dBu

Recommended Crossover Settings (24dB/Oct Linkwitz-Riley)

Highpass	75-120Hz (depending on sub bass settings)
Lowpass	400Hz

Input/link Connectors

	LF	HF
2x Speacon	+1/-1	+2/-2

Dimensions

	inches	millimetres
Height	9.8	250
Width	13.7	348
Depth (LF)	12.0	305
Depth (HF)	9.6	245

Weights

	pounds	kilogrammes
Net Weight	26.5	12
Shipping Weight	30.8	14

