



L E S E R I E S

LE350



The Martin Audio **LE350** is an ultra compact high power low profile stage monitor. It has been designed to be unobtrusive yet provide maximum stage monitoring performance.

The **LE350** utilises unique differential dispersion horn technology to define a constant sound pressure level over a large area in which the artist may move. Within this area the frequency response and tonal characteristics remain substantially unchanged. This is achieved by progressively varying the horizontal dispersion from wide to narrow, the further the performer moves away from the monitor. This narrowing of dispersion effectively changes the forward gain of the horn, this increase in the forward gain enables the monitor to throw further, increasing the effective operating range of the monitor, whilst reducing excess spill.

The benefits of using differential dispersion technology are two fold. Firstly the monitor engineer can plan EQ settings with high sound pressure levels in the confidence that there will be no spillage or problematic frequency changes over the defined area and secondly the user can move well away from the monitor whilst continuing to receive accurate information which will cut through the highest on stage ambient levels.

The bass driver is a high power 12" diameter, 3" voice coil transducer which is passively networked to the compression driver, which is a 1" exit titanium proprietary unit. This provides high power handling with extended high frequency reproduction.

The **LE350** can be supplied as an optional 2 way active system utilising a dedicated version of a Martin Audio MX4 System Controller. The **LE350** provides high power monitoring for professional applications where performance and utilisation of limited space are of utmost importance.

FEATURES

- Compact low profile enclosure
- Differential Dispersion Horn
- High power 12" diameter 3" coil bass driver
- 1" exit titanium compression driver
- Two way passive or optional active system
- Left or right handed capability

APPLICATIONS

- High power stage monitoring
- Broadcast monitoring

HEIGHT	318 mm	12.5 ins
WIDTH	607 mm	23.9 ins
DEPTH	426 mm	16.8 ins
NET WEIGHT	23.2 kg	51.1 lbs

ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The loudspeaker system shall be a low profile wedge monitor for on stage foldback. It shall be a two way passive or optional bi-amped system used in conjunction with a separate electronic controller.

The low frequency transducer shall be a 12" diameter, 3" voice coil unit, bass reflex loaded.

The high frequency unit shall consist of a 1" exit diameter, 1.7" voice coil titanium diaphragm compression driver mounted on a differential dispersion, low edge diffraction horn flare.

The loudspeaker system shall be mounted in a 18mm birch plywood, black textured painted enclosure. The horn flare and cone transducer shall be mounted on a rotatable baffle to facilitate left and right handed operation. The enclosure shall be protected by a steel perforated grille and be fitted with two carrying handles, one at each end.

The performance of the loudspeaker shall meet or exceed the following specifications.

Frequency response measured at one meter on axis shall be 70 - 18,000 Hz +/- 3 dB.

The power handling shall be 175W RMS, 350W programme.

The sensitivity measured at one metre, one watt input in half space conditions using band limited pink noise shall be 98dB.

The maximum SPL measured at one metre on axis, using band limited pink noise shall be 119dB continuous, 125dB peak.

The high frequency dispersion at the -6dB points shall be 50-100 degs horizontal x 70 degs vertical.

The nominal impedance shall be 8 Ω .

The connectors shall be 2 Speakon.

Dimensions shall be (W) 607mm x (H) 318mm x (D) 426mm.

The weight shall be 23.2kg.

The loudspeaker system shall be the Martin Audio **LE350**.

SPECIFICATIONS

TYPE	High power low profile passive stage monitoring system
BANDWIDTH	70Hz - 18kHz +/- 3dB
DRIVER(S)	12" diameter 3" voice coil transducer 1" exit titanium compression driver
RATED POWER	175W RMS, 350W programme
RECOMMENDED AMPLIFIER	400W - 500W RMS into 4 Ω
SENSITIVITY¹	98dB
MAXIMUM SPL²	119dB continuous, 125dB peak
IMPEDANCE	8 Ω (nominal)
CROSSOVER	1700Hz
DISPERSION (-6dB)	50 - 100 degs horizontal (differential dispersion) 70 degs vertical

ENCLOSURE	40 Litres
FINISH	Black textured paint
PROTECTIVE GRILLE	Perforated steel black painted grille with 48% free air flow
CONNECTORS	2 x Speakon connectors
FITTINGS	Two flush handles
DIMENSIONS	(W) 607mm x (H) 318mm x (D) 426mm (W) 23.9ins x (H) 12.5ins x (D) 16.8ins
WEIGHT	23.2 kg (51.1 lbs)
SHIPPING DIMENSIONS	(W) 720mm x (H) 445mm x (D) 455mm (W) 28.4ins x (H) 17.5ins x (D) 17.9ins
SHIPPING WEIGHT	27.2 kg (59.9 lbs)

NOTES

1. Measured in half-space conditions at 1 metre with 2.83V input, using band limited pink noise.

2. Measured at 1 metre using band limited pink noise.

Trade Descriptions Act: Due to Martin Audio's policy of continuing improvement, we reserve the right to alter these specifications without prior notice. E & O E.

Martin Audio is committed to refining the state of the art sound reinforcement by combining in-depth product and field application research with advanced manufacturing techniques. Every Martin product is built to the highest manufacturing standards and rigorously tested to ensure that it meets the performance criteria specified in the design.



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