

# Advance information – RAM STL 4 Studio Transmission Line Series

The RAM STL 4 has been introduced as the newest and most advanced model in the current range of RAM loudspeakers. It differs from existing models in many important respects – in terms of drive-unit loading, in terms of unit configuration, and in terms of design parameters, among others.

When the Reflex Acoustic Monitor Series was launched, we stated that the fundamental limitations on current performance levels of high-quality domestic and studio loudspeakers were reducible to the areas of: drive-unit technology, principles of cabinet construction, damping techniques, and cross-over theory. Given certain practical limitations, such as size and price, the RAM Series was designed so that, with a view to these problem areas mentioned, qualitative advances could be made in further reducing overall levels of 'coloration' and loudspeaker inaccuracies. Each model in the RAM Series exemplifies the progress that we have made.

The RAM STL 4, however, has been designed from altogether different premises. In the STL 4 we have decided to design and produce in limited quantities a speaker which ignores the ordinary commercial and domestic limitations. Put bluntly, the STL 4 has been designed as a genuine 'no-compromise' speaker, in terms of size, cost, and performance.

In the STL 4, we combine our established twin-bass principle together with optimum-loading techniques, namely in the form of a three-metre, totally absorbant, folded line. The results, both in terms of statistical measurement and subjective evaluation, are extremely impressive: the STL 4 measures virtually flat to 40 Hz, with distortion being less than 0.4 per cent over most of the LF bandwidth. Phase distortion also is kept within very narrow limits because of time-delay compensation of unit configuration and minimal cross-over phase-error.

The STL 4 is a truly professional product designed for those who seek the highest possible degree of musical quality.



## RAM STL 4 Specifications

**Drive units:** 2 × 200 mm Bextrene LF Units. High-power voice coil, former and magnet assemblies.

1 × 200 mm Bextrene LF/MR unit. High-power voice coil, former, and magnet assembly. (LF and MR – Time delay compensated.)

1 × 25 mm Dome HF unit, fabric dome, chemically treated.

**Loading:** 3-metre transmission line, critically damped.

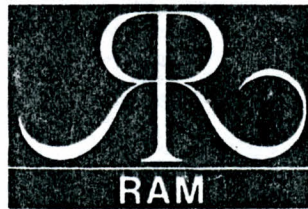
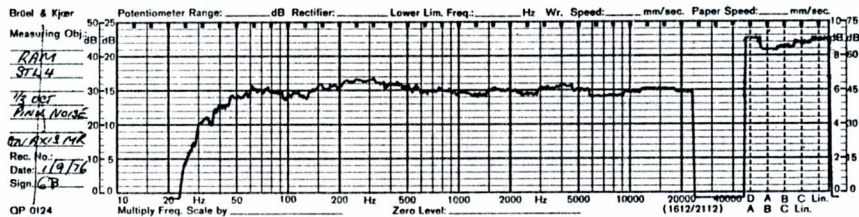
**Cross-over frequencies:** 250 Hz and 3.5 kHz.

**Frequency Response:** ±2 dB 40 Hz–22 kHz.

**Suitable amplifier matching:** 30–125 watts per channel.

**Nominal impedance:** 4–8 ohms.

**Dimensions:** 48" × 24" × 20" wide.



accuracy in sound design

R.A.M. ELECTRONICS, UNIT 7, HARFORD BRIDGES, HALL ROAD, NORWICH NR4 6DW

Telephone (0603) 501199