Jordan Eikona MLTL30

The MLTL30 is a quarter-wave, mass-loaded transmission line for the Jordan Eikona 2 fullrange drive unit. The original design was by Jim Griffin, using MathCad software developed by Martin J. King. Our version features a wider baffle.

The system is capable of a -3 dB point of 28 Hz.

Recommended material - 18mm thick Baltic birch ply or MDF.

Internal dimensions - 762mm high x 235mm wide x 150mm deep.

Port size - 50mm diameter x 150mm long, port centred 50mm from base of cabinet (interior).

Driver - Jordan Eikona 2, centred 150mm from top (inside) of cabinet.

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**Eikona 2 cutout** - 116mm
**rebate diameter** - 150mm
**rebate depth** - 5mm
**fixings** - 4 x 5mm bolts into captive T-nuts

**STUFFING** (shown in blue) - place Dacron wadding at the top of the enclosure, extending down to 75mm below the Eikona.

**BRACING** (shown in green) - square hardwood battens or dowels to brace between front and rear panel in positions similar to that shown. Randomising the position of bracing will help distribute resonances in the baffle. The top two braces support the stuffing. Linking side and front/back braces helps stiffen the enclosure.

A base may be fitted as shown.

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**Jordan Eikona MLTL30 specifications:**

- **size (external)** - 800mm (h) x 273mm (w) x 188mm (d) excluding base
- **impedance** - 6 ohms, sensitivity - 85.5 dB/watt
- **f3 = 28 Hz, f10 = 23 Hz**
- **peak power handling** = 100 watts

Original design by Jim Griffin, based on MathCad spreadsheets produced by Martin J King, www.quarter-wave.com

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