

AC15

Passive Coaxial Speaker



AC15 Coaxial Speaker

Designed and manufactured in the UK, the AC15 is a very high output point source coaxial loudspeaker, suitable for large Party KTV rooms and nightclub/entertainment market, where high SPL and vocal projection is required. Moving beyond the conventional black loudspeaker enclosure, the AC15 features contemporary industrial design, to be seen as well as heard.

The AC15 features a high performance, Italian-made 15" neodymium driver with 3" voice coil and demodulation ring, plus a 1.4" compression driver with extended HF response. This enables the AC15 to deliver very high output levels, vocal projection and reliability, whilst maintaining a clear, low-distortion tonal balance.

The coaxial driver design maintains the 80° x 80° pattern control down to below the crossover point. Five M10 inserts for eyebolts provide ample means of installing the AC15 in a venue. A robust die-cast pole mount is also provided, along with pocket handles on each side.

Construction is no-compromise, using an 18mm Baltic birch ply cabinet, with a tough, dark grey Polyurea (PU) coating. The cloth-backed silver coloured steel grille is zinc plated and covered in an exterior-grade powder coat, providing superior corrosion resistance. For ease of installation, the logo badge is user rotatable, without requiring tools.

A high-quality, hand-built passive crossover and 8 ohm nominal impedance allows two AC15's to be driven by one channel of the LS8Q or LS12Q four channel amplifiers. Up to eight AC15's can be driven by one LS series amplifier, which also comes pre-loaded with EQ presets and limiter settings for the A Series products.

For additional low frequency output, the AC15 can be partnered with the AS218 direct-radiating subwoofer.

System Type: Coaxial

Loading.....	Front Ported
Cabinet.....	Baltic Birch Ply
Shape.....	Multi-angle

System Specification

Power Handling (continuous/RMS).....	400W
Power Handling (peak, 6dB crest factor).....	1600W
Sensitivity (2.83V/1m) 4PI Full Space.....	99dB
Impedance.....	8 ohms

Drivers

LF.....	15" 380mm die-cast chassis/basket, 3" Voice Coil with Neodymium magnet
HF.....	1.4" 35mm exit compression driver, 3" 75mm Voice Coil with Shared with LF driver magnet

Acoustic Specification

Dispersion (-6dB), Horizontal x Vertical.....	80° x 80°, conical
Max SPL (calculated), continuous.....	125dB
Max SPL (calculated), peak (6dB crest factor).....	131dB
Max SPL (calculated), peak (12dB crest factor).....	137dB
Frequency Response (-3dB).....	57Hz-18.5kHz
At -10dB.....	-10dB @ 43Hz

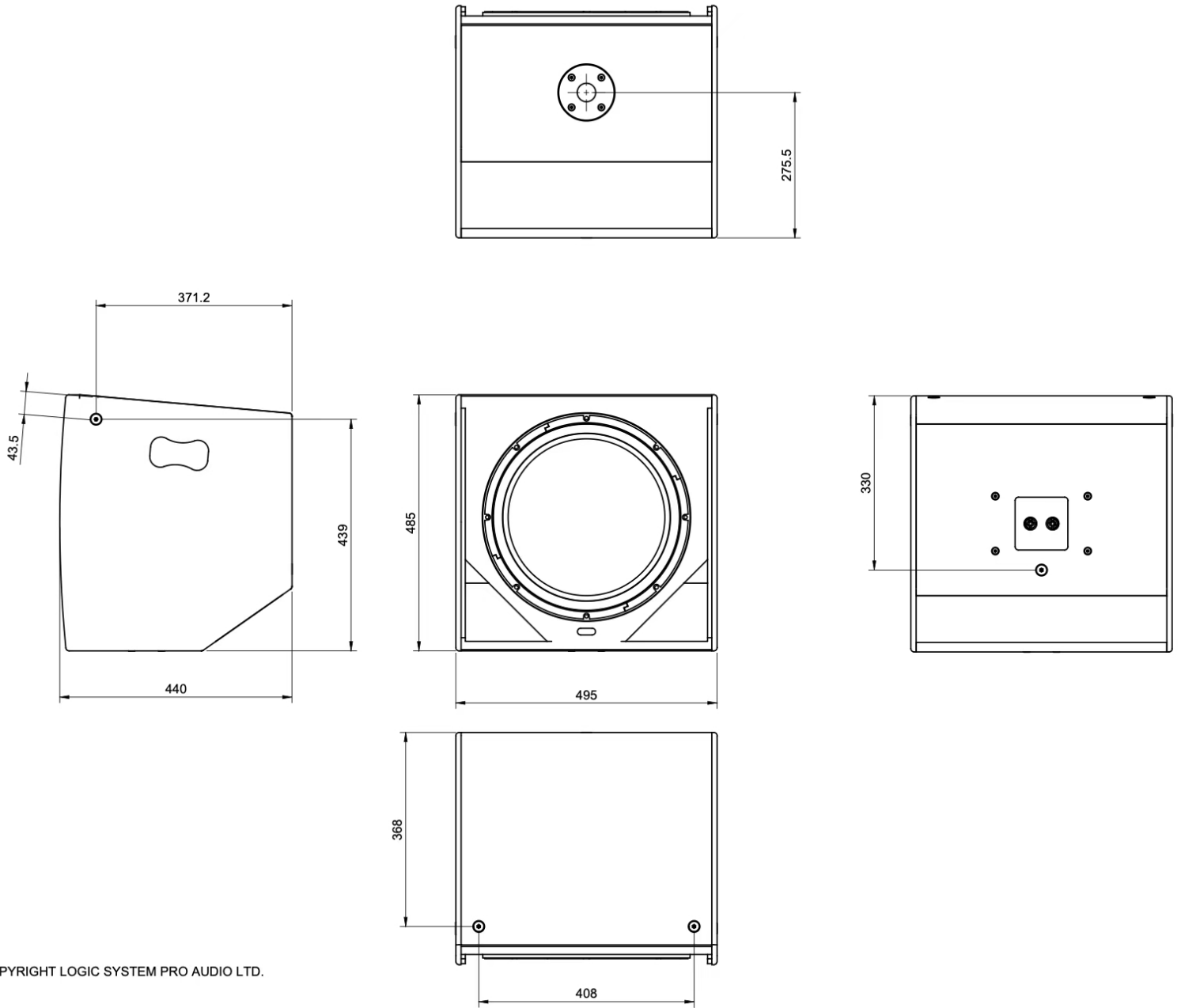
Cabinet Specification

Connectors.....	2x Neutrik® NL4 1+/1-
Pole mount.....	Die-cast, For 35mm diameter pole
Cabinet Coating.....	Polyurea
Weight.....	24.6kg (54.23lb), with Carton 26.6kg (58.64 lb)
Dimensions (H*W*D mm)	485*495*440, with Carton 545*520*475



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