The ultra-compact Martin Audio AQ5 is equipped with two 5.25” (130mm) ICT™ (Inductively Coupled Transducer) drivers optimally splayed for smooth, very wide coverage. The AQ5’s HF diaphragms are driven via inductive coupling, avoiding the tweeter burn-out commonly associated with miniature loudspeakers. ICT™ technology also obviates the need for a crossover as the inductive coupling provides a complementary transfer function for the tweeter.

Designed for discreet architectural use, the exceptionally wide coverage of the AQ5 makes it ideal for clubs, bars, AV presentations, places of worship, museums, foyers, sports venue concourses and exhibition centres. The AQ5 may also be used for very wide coverage live sound applications such as theatre front fills, orchestra pit fills and surround sound effects.

The AQ5 is housed in a thick-walled structural ABS foam enclosure with a flush, acoustically transparent steel grille. The enclosure is fitted with four M6 inserts for fitting either AQWB6 or AQCB6 brackets to allow for horizontal or vertical mounting, plus an additional M6 insert for a safety point.

A Martin Audio AQX Electronic Controller is available to provide AQ5/subwoofer crossover, limiter and trim functions.
AQ5
Ultra-compact, wide angle system

Horizontal

Vertical

polar plots - 1/3rd 8ve, 6dB/div
AQ5
Ultra-compact, wide angle system

frequency responses

Horizontal (symmetrical)

Vertical (symmetrical)
AQ5
Ultra-compact, wide angle system

architectural overall dimensions

282mm [11.10”]
180mm [7.09”]
69mm [2.73”]
65mm [2.56”]

172mm [6.77”]
The loudspeaker system shall be of the two-way passive type consisting of two 5.25" (130mm) full-range ICT™ drivers each fitted with a concentric 1" (25mm) high frequency diaphragm, loaded by a phase plug and waveguide. The transducers shall be mounted in a reflex loaded enclosure constructed of structural foam ABS and fitted with threaded inserts to match the mounting hardware. 4 or 16 ohm operation shall be selected by a switch at the rear of the enclosure.

Performance of the loudspeaker system with its electronic controller shall meet or exceed the following criteria:

- Frequency response measured 1 metre on axis shall be 120Hz-20kHz ±3dB.
- High frequency dispersion at -6dB points shall be 120˚H x 60˚V.
- Power handling shall be 75W AES, 300W peak.
- Rated impedance shall be 4 ohms (16 ohms switchable).
- Maximum SPL calculated at 1 metre on axis shall be 109dB continuous, 115dB peak.
- Dimensions (W) 282mm x (H) 172mm x (D) 180mm (11.1ins x 6.8ins x 7.1ins).
- Weight 3.5kg (8lbs).

The loudspeaker system shall be the Martin Audio AQ5.