



AMK Commercial Series  
**QSA 802-OM**

Self Amplified 8" Coaxial Loudspeaker Assembly



The **AMK QSA802-OM** powered speakers feature a 40 watt Class D digital design amplifier, with > 75% efficiency for the main speaker. This unit is a quato system of 4 speakers, one powered speaker and three companion speakers. The speaker combines high performance, power handling, and a very smooth response.

The loudspeaker driver, CX802, is one of the few transducers in the commercial sound industry that produces and meets the standards of recording studio. Excellent dispersion, wide bandwidth, and a smooth frequency response make this the top choice for today's overhead commercial applications.

There are wide ranges of the application for this unit, especially in educational markets and corporate boardrooms where direct input of the signal from the processor is desired (i.e., projectors, laptops, or any line level device)

**Features:**

- \* All metal construction, including baffle
- \* High performance 6½" coaxial loudspeaker with wide dispersion
- \* Self powered with 20 watt Class D amplifier
- \* **UL Listed Speaker Enclosure (UL 1480, UL 2043)**

**Innovative Features**

Each system includes a renowned AMK Coaxial loudspeaker like those already installed in hundreds of locations

Easy to install

- All-metal swivel mounting system allows standard installation of speakers without having to align the enclosure to the tile bridge
- This installation procedure is quick and unique to the industry
- Architecturally pleasing white perforated metal grille that uses a unique metal spring system for a "no visible hardware finished look and the ease of a "snap on" installation

Custom Manufacturing Options

- Custom depth back enclosures are available
- Power supply available internal or external

Safety

- The use of all-metal attachment parts makes for an overall safer installation
- All-metal swivel prevents breakage of swivel during installation
- All-metal swivel mounting system is not easily compromised by fire

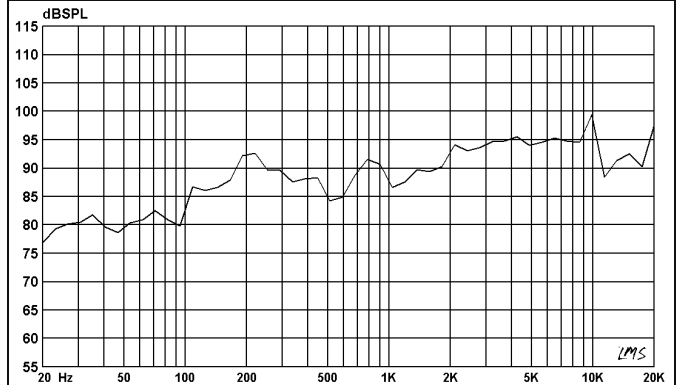
Sound

- The plenum compatible back enclosure is designed to maximize the performance of this studio quality speaker

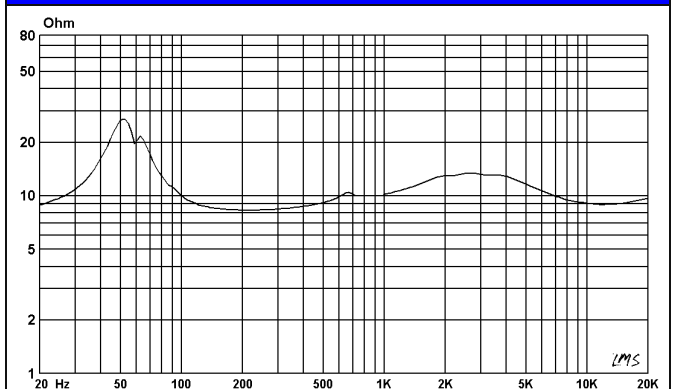
**Specifications**

<b>Frequency Response</b>	55 Hz - 20 kHz
<b>Voice-coil diameter</b>	1"
<b>Average Beamwidth @ 2 kHz</b>	110 deg.
<b>Magnet Weight</b>	20 oz
<b>Magnet Material</b>	Barium Ferrite
<b>Tweeter</b>	13mm Polyamide Soft Dome
<b>Woofer Cone</b>	Polypropylene
<b>Surround Material</b>	Inverted Rubber
<b>Crossover Frequency</b>	5.5 kHz
<b>Depth of the Enclosure</b>	7 in.
<b>Diameter of the Grille</b>	12.75 in.
<b>Enclosure Mounting</b>	Metal Swivel Clamp

**FREQUENCY RESPONSE**



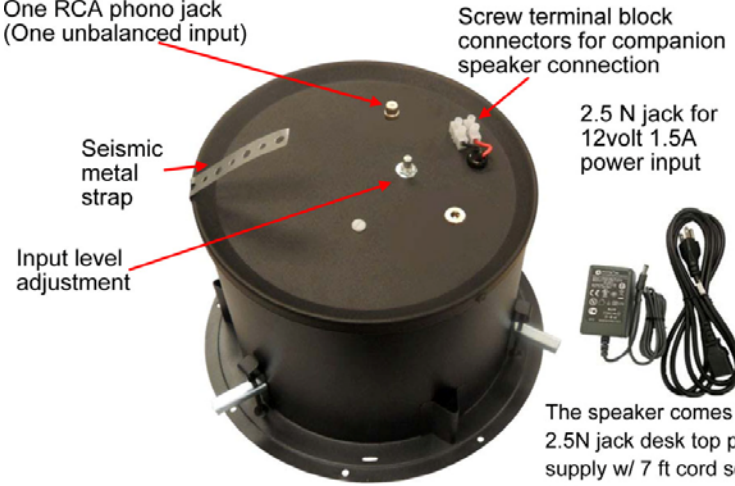

**IMPEDANCE CURVE**



**Amplifier Specifications**

<b>Amplification</b>	40 watt Class D design amplifier
<b>Amplifier Efficiency</b>	> 75%
<b>Total Harmonic Distortion</b>	< 0.2%
<b>Signal to Noise Ratio</b>	>95dB
<b>Protection</b>	Protected as to short circuit to supply and ground, as well as minimum current
<b>Controls</b>	Input potentiometer level adjustment

## MODEL CONFIGURATION

 <p style="text-align: center;"><b>Powered Speaker</b></p>	 <p style="text-align: center;"><b>Companion Speaker</b> (3) units are included</p>
<p>The speaker comes with one 2.5N jack desk top power supply w/ 7 ft cord set. UL listed</p>	

<b>Power Supply</b>	External 12Volt	<b>Signal Input</b>	One unbalanced Input
<b>Power Connection</b>	2.5mm N jack desk top power supply	<b>Companion speaker input/output connections</b>	Screw terminal block connectors
<b>Input Connection</b>	One RCA phono jack	<b>Input Level Adjustment</b>	Internal

**Additional Suffixes**

The part numbers listed include the **TB8R** for use with suspended ceilings and speaker Grills  
 For hard lid applications please add either of the following at no additional charge:-**SACSD** for the metal C ring for retro fit applications. -**MD8** For the pre-construction mud ring.