



In-Vehicle Audio Tuning

Perfecting In-Cabin Audio Performance

Delivering a premium in-cabin audio experience is crucial for modern vehicles. However, achieving optimal acoustic performance can be challenging due to factors such as: complex acoustic environments, subjective listening, emerging technologies such as immersive audio, personalization, and road noise cancellation, all typically within tight development timelines.

Mavsotech stands out as the premier partner for Automotive manufacturers and in-vehicle infotainment suppliers, offering unique access to a team of seasoned audio experts and a flexible resource management model that can adapt to projects of any size and complexity.

Our Expertise

Mavsotech's industry-leading expertise in critical listening, acoustic engineering and audio tuning helps automotive OEMs achieve their target sound profiles and features and delivers the best possible in-cabin audio experience through:

Critical Listening Expertise

A flexible, scalable team of "golden ear" audiophiles with immersive audio experience to supplement or offload in-house teams, ideal for both EV companies and established car manufacturers.

Reduced Effort for OEM Experts

We can offload in-house team by performing initial tuning rounds, thus reducing the workload and site visits for OEM's expert to perform final sign-off.

On-Site and Remote Support

Capability to perform on-site tuning alongside client teams for fast evaluation and adjustments or provide remote solutions using advanced audio capture and tuning systems.

Material and Acoustic Recommendation

Beyond tuning, we can recommend and source materials to improve sound performance, bass response, and overall acoustic quality while considering savings in weight and cost.

Optimized Passenger Experience

Expertise in tuning for multiple listening positions for multichannel and immersive audio systems to deliver optimal sound quality for each passenger.

Tailored to Your Needs. Whether it is a one-off proof of concept (PoC), a tradeshow demo, or a largescale commercial project, Mavsotech adapts to your unique needs. Our U.S.-based critical listening and tuning and acoustic experts, in combination with cutting-edge tools and advanced measurement techniques, enable us to ensure effective analysis, objective measurements, and consistent, reliable results. This allows you to accelerate time-to-market while minimizing strain on your in-house resources.

Why Choose Mavsotech?

Mavsotech is your trusted partner in accelerating superior in-vehicle sound quality. By leveraging deep industry knowledge and the usage of advanced tools like AudioWeaver and QNX Sound we can:

Fine-tune Audio Systems

Evaluate, adjust, and optimize audio systems to meet specific requirements and signature sound targets.

Enhance Acoustic Performance

Recommend and source lightweight cost-effective and innovative materials to improve sound quality, bass response, and overall acoustic performance and providing competitive differentiation.

Tailor Sound Profiles

Create bespoke sound profiles based on vehicle design, speaker configuration, and material choices to perpetuate OEM's branded signature sound.

Provide Cost-Effective Flexible Support

Offer both remote and on-site tuning services, catering to projects of all sizes and offloading in-house team for initial tunings.

Optimize Multi-Channel Audio

Balance multi-channel, multi-speaker, and immersive audio layouts for optimal sound quality for each passenger zone or position.