



MERIDIAN

REDEFINE THE POSSIBLE



Redefining the future of 3D surround sound: the Jaguar C-x17



The road to authentic sound.

Meridian and Jaguar share a very British obsession with design and technological excellence. So we always knew that we could achieve great things together. Our goal was simple: to set new standards for in-car audio. We worked together closely, every step of the way, to ensure Meridian's innovative approach to sound and psychoacoustics would integrate seamlessly into Jaguar's luxurious cabin design and deliver the most authentic audio experience possible.

The result will redefine the future of in-car 3D surround sound and is nothing short of breath-taking.

"We create audio systems with the same meticulous attention to detail as an artisan crafting a musical instrument."

A black and white image of a handwritten signature, which appears to be 'Bob Stuart', written in a fluid, cursive style.

Bob Stuart
Meridian Co-Founder and CTO.

Performance and design in perfect harmony.

Uncompromised sound quality.

To create the C-X17's incredible in-car surround sound system, we drew upon our specialist knowledge in digital speaker design and developed an all-new sonic architecture. We used our award-winning DSP technologies including Meridian Digital Dither Shaping for smooth and seamless signal conversion, Meridian Cabin Correction for intelligent audio optimisation and Meridian Trifield 3D so everyone in the vehicle enjoys an authentic, personal and consistent musical experience.

Our subwoofer placement is also an in-car first. They're placed back-to-back for force and noise cancellation, and at the same distance to each passenger for more balance and authentic low frequency.

There are 28 speakers in total, including two in the A&B pillars and in the front headrests. This ear-level speaker placement creates a more personal experience and ground-breaking authenticity and consistency of 3D surround sound for everyone on board.



- 1 Bass
 - 2 Tweeter and midrange
 - 3 Midrange (speakers in the front and rear head rests)
 - 4 Rear centre channel 2 + 2
 - 5 Subwoofers x2
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-  Meridian Cabin Correction
 -  Meridian Digital Dither Shaping
 -  Meridian DSP Technology
 -  Meridian Trifield 3D

A jewel of sound.

At Meridian, we're just as passionate about aesthetics as we are about sound quality. So when we started working with the C-X17 designers, we were determined to infuse our passionate approach to sound with Jaguar's contemporary design queues to enrich an already striking and luxurious interior.

Key to this inimitable look is the centre tunnel that runs the length of the car. It incorporates an interactive multi-occupant infotainment system with a series of touchscreens under a continuous panel of transparent acrylic glass. As well as letting passengers connect and share experiences through a multi-media hub, we've also made accessing the in-car audio system beautifully simple.

From the use of acoustic fabric to striking speaker grille designs, every element of our sound system blends beautifully into the cabin environment for total spatial and visual harmony, creating a jewel of sound.





Sound design inspiration.

Meridian back-to-back subwoofers

The technology, materials and knowhow used to create the C-X17's stunning in-car sound quality all come from our expertise in home speaker design. Our flagship digital loudspeaker, the DSP8000, marries our passion for psychoacoustics with a commitment to using only the very best materials.

Perhaps most importantly, we've brought the DSP8000's innovative subwoofer placement into the C-X17. Putting them back-to-back and at exactly the same distance from each passenger, allows us to reduce noise and means the sound arrives to each seating position at the same time. This makes for a more balanced and authentic sound. Reducing the passengers' distance from the subwoofer also helps them to feel more of the low frequency. This is called "near field proximity base" and is a key component to delivering premium sound quality in the C-X17.





A & B pillar loudspeakers

We used several design cues from the M6's sleek look to create the C-X17's discreet and stylish in-car speaker integration. Like the distinct light 'halo'. But we also harnessed many of the M6's technological achievement to inform our work with Jaguar.

Just like in the M6, we've raised key speakers to human visual level so the sound goes directly to the occupants' ears and delivers greater authenticity and overall system performance. Including speakers inside the A&B pillars represent a critical architectural innovation in cabin speaker placement. This height also complements our Meridian DSP technology. And with areas in front of the speakers now free of obstacles, sound consistency and authenticity are further enhanced for a more believable performance.





Meridian world.

We passionately believe that when you hear more, you feel more. And our uncompromising approach to audio performance has helped us create many pioneering products. Whether you're at home, at your desk, in your car or on the move, we think you deserve the best possible sound. The perfect introduction into the Meridian world is the newly introduced award winning , Explorer USB DAC.



Explorer

Explorer is the size of a USB stick, but embodies the same style and performance as any other Meridian product.



REDEFINE THE POSSIBLE

We've always believed that when you hear more, you feel more.
We believe that performance speaks for itself.
You simply have to listen.



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