

# WHAT'S NEW FOR 2013

## Meridian Audio

- Ultra-premium British audio specialist
- Design, engineer and manufacture state-of-the-art audio and video systems
- Award-winning range of equipment offered globally

Jaguar Audio System	Meridian Premium Audio System	Meridian Premium 7.1 Surround Audio System
XF	XF & XJ	XF & XJ
<ul style="list-style-type: none"> <li>• 250 watts</li> <li>• 8 amplifier channels</li> <li>• 10 speakers</li> <li>• Audyssey FIR filtering</li> </ul> <p>(Alpine)</p>	<ul style="list-style-type: none"> <li>• 380 watts</li> <li>• 12 amplifier channels</li> <li>• Speakers               <ul style="list-style-type: none"> <li>– 10 + 1 subwoofer - XF</li> <li>– 12 + 2 subwoofers -XJ</li> </ul> </li> <li>• Audyssey MultEQ sound equalization</li> <li>• Separate DSP</li> <li>• Meridian Cabin noise correction</li> <li>• Dynamic volume control</li> </ul>	<ul style="list-style-type: none"> <li>• 825 watts</li> <li>• 15 amplifier channels</li> <li>• Speakers               <ul style="list-style-type: none"> <li>– 16 + 1 subwoofer - XF</li> <li>– 18 + 2 subwoofers -XJ</li> </ul> </li> <li>• Audyssey MultEQ sound equalization</li> <li>• Separate DSP</li> <li>• Meridian Cabin noise correction</li> <li>• Dynamic volume control</li> <li>• Meridian Trifield System</li> </ul>

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## Meridian Power

- Traditional measurement is power output in watts
- Meridian
  - Ultra-low distortion
  - Speakers and amp in integrated, active audio system
- Total Harmonic Distortion (THD)
- Signal is 'clipped' or altered because of system
- Typical auto system have a THD of 10%
- Meridian
  - Integrates all audio components
  - THD is only 0.2%
  - Lower power achieves high audio clarity

## Meridian Features:

- **Digital Signal Process (DSP) software** – All elements of the system are optimized to deliver clean and clear distortion-free high sound and deeper bass.
- **Dynamic Volume Control** – Uses a front-mounted microphone to detect variations in cabin noise and compensates for changes in ambient sound levels to provide consistent sound quality.
- **Meridian™ Cabin Correction** - Employs advanced DSP to complement the acoustics of the vehicle, improving clarity and authenticity of sound. Meridian™ Audio room correction algorithms have been incorporated to overcome problem of acoustic resonances within the cabin and Digital filtering technology is used to 'smooth' these resonances ensuring that the crucial pitch and timing of transient details is accurately reproduced.
- **Meridian™ Digital Dither Shaping** – Digital signal conversions are executed accurately and smoothly throughout the system, maintaining maximum detail and ensuring highest quality from all sources.
- **Meridian™ Trifield System** – Delivers a perfect stereo sound to all occupants in the vehicle. It enhances the performance of stereo material by using three front channels to increase localization accuracy and giving all vehicle occupants a full, stable stereo experience wherever they are seated.