



XS163ES

6.5" (16 cm) Mobile ES™ Three-way Component Speakers

Bring new life to your in-car listening with the Mobile ES three-way component speakers. Featuring a new 3.5" (8 cm) mid-range driver with aramid fiber matrix diaphragm, they will give you wider sound stage and more depth to your music, for full-bodied vocals, detailed instrument textures.



Bullets

- Soft-dome component tweeter covers up to 40 kHz ultra-highs
- Separated Notch Edge Surround for less distortion and clear sound
- Dynamic Air Diffuser and Five-beam Frame design
- 3.5" (8 cm) MRC aramid fiber matrix mid-range driver for bright, clear mids

Features

Separated Notch Edge Surround

The woofer surround features another proprietary technology, with distinctive curved notches improving the vertical amplitude symmetry, for dramatically reduced distortion and enhanced clarity.

Five-beam Frame Structure and Dynamic Air Diffuser

The Five-beam Frame design disperses resonance while the integrated Dynamic Air Diffuser ensures efficient air circulation for smooth cone travel and cooling of the voice coil.

Progressive Height Rate Spider

The acoustically optimized spider allows for higher power handling and airflow, with a profile designed for more rapid and precise cushioning of the speaker cone.

Phase plugs

The resonance damping phase plugs on the XS-163ES woofer and mid-range driver help realize ideal frequency response, right up to the crossover points. A rigid aluminum bobbin in the woofer and Dynamic Air Diffuser further support the speaker's wide frequency response, for controlled and dynamic sound delivery.

Tweeters to hit the high notes

Compatible with High-Resolution Audio, a soft-dome tweeter diaphragm is directly attached on the voice coil, designed to cover your music's ultra-high ends, with a frequency range extending up to 40 kHz.



Bi-amp capable crossover with gain selector

The audiophile-grade crossover features optimized, low-resistance film capacitors for clear high frequency reproduction. Plus inductive winding and air cored coils deliver crisp mid and powerful sound on demand. You will enjoy astonishingly low distortion across all frequencies, and the precision of crossover gain control, even when driving the components with a single amplifier.

Shallow mid-range driver

The newly developed mid-range driver is driven via a compact but incredibly powerful neodymium magnet. The result is a shallower basket, designed to perform even in confined spaces and challenging installations.

Specification

General Features	
Effective Frequency Range	40–40,000 Hz
Impedance (ohms)	4
Output Sound Pressure	89 dB \pm 2 dB SPL (1 W, 1 m)
Peak Power	270 W
RMS Power	90 W
Rated power	60 W
Mid-range	
Diameter	3.5" (8 cm)
Mid-range Magnet Material	Rubber (Separated Notch)
Mid-range Magnet Material	Neodymium
TYPE	Cone
Size & Weight	
Weight (Mid-Range)	7.05 oz
Weight (network box)	1.08 lb
Weight (tweeter)	2.12 oz
Weight (woofer)	33.51 oz
Speaker System	
Configuration	Component, 2way
Size	6.5" (16 cm)
Tweeter	
Diameter	1" (2.5 cm)



TYPE	Soft Dome
Tweeter Diaphragm Material	Synthetic Fiber
Tweeter Magnet Material	Neodymium
Woofers	
Surround Material	Rubber (Separated Notch)
TYPE	Cone
Woofers Magnet Material	Ferrite

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