

Infinity® Reference X Series

Premium automotive speakers



The X Factor

Infinity® Reference X Series Automotive Speakers

Infinity® engineers have discovered the X factor, and your car's stereo system will never be the same. The new Infinity Reference X Series of automotive speakers can silence annoying road noise so you hear clean, crisp reproduction of your favorite music. With proprietary features like Plus One® (patent number 7,548,631) woofer cones and edge-driven dome tweeters, these speakers deliver professional-quality performance and raise any factory-installed system to the next level. Reference X speakers are engineered for best-in-class performance to make your music sparkle. Crank up the volume and find out why Infinity engineers design the world's top-selling premium car speakers.

Highlights

Complete speaker series featuring the most popular speaker sizes and types – The Infinity Reference X Series has speakers for almost any application, so you can upgrade your present system's performance by simply replacing its speakers.

Plus One woofer cones – With a greater radiating area than conventional speakers of the same size, Plus One cones can play louder with smaller amplifiers, increase bass output to eliminate bothersome road noise and deliver increased performance, without making you modify your vehicle.

True four ohms – All Reference X Series speakers feature three-ohm voice coils to compensate for increased impedance caused by thin-gauge factory-installed speaker wiring. Reference X speakers can handle the maximum power that factory stereo can offer and deliver greater output than factory speakers.

Edge-driven, textile-dome tweeter (all except 3002cfx) – The Reference X Series' tweeter provides greater power handling and lower distortion than conventional tweeters, improves integration with the midrange/woofer driver and upgrades audio clarity and presence.

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Key Features

- Vented motor assemblies reduce heat buildup
- Tweeter can be flush-mounted or surface-mounted, and has angle adjustment for improved performance and more installation options than coaxial models
- Adjustable tweeter level (all models but 3002cfx and 6402cfx) compensates for loss of high frequencies due to mounting location or road noise, and increases installation options
- UniPivot™ tweeter (in models 6502ix, 5002ix, 9602ix and 8602cfx) can be aimed at the listening location to expand speaker mounting options and improve high-frequency performance
- Mounting adapter ring (in models 6502ix, 6402cfx and 6500cx) permits speaker installation in a variety of factory speaker locations
- Model 6500cx is a component system that features separate woofer and tweeter modules and external crossover
- Model 9603ix's three-way design has a super tweeter to increase ultrahigh-frequency response, add sparkle to music and drown out road noise

Specifications

REF-6502ix

Type: 6-1/2" (165mm) two-way car audio loudspeaker
Peak power handling: 180W
Power handling, continuous average: 60W RMS
Recommended amplifier RMS power range: 5W – 125W
Frequency response: 53Hz – 21kHz
Nominal impedance: 3 ohms
Sensitivity (2.83V/1m): 93dB

REF-5002ix

Type: 5-1/4" (130mm) two-way car audio loudspeaker
Peak power handling: 135W
Power handling, continuous average: 45W RMS
Recommended amplifier RMS power range: 5W – 75W
Frequency response: 67Hz – 21kHz
Nominal impedance: 3 ohms
Sensitivity (2.83V/1m): 92dB

REF-9602ix

Type: 6" x 9" two-way car audio loudspeaker
Peak power handling: 300W
Power handling, continuous average: 100W RMS
Recommended amplifier RMS power range: 5W – 200W
Frequency response: 46Hz – 21kHz
Nominal impedance: 3 ohms
Sensitivity (2.83V/1m): 94dB

REF-9603ix

Type: 6" x 9" three-way car audio loudspeaker
Peak power handling: 300W
Power handling, continuous average: 100W RMS
Recommended amplifier RMS power range: 5W – 200W
Frequency response: 46Hz – 21kHz
Nominal impedance: 3 ohms
Sensitivity (2.83V/1m): 94dB

REF-3002cfx

Type: 3-1/2" (87mm) two-way car audio loudspeaker
Peak power handling: 75W
Power handling, continuous average: 25W RMS
Recommended amplifier RMS power range: 5W – 50W
Frequency response: 85Hz – 21kHz
Nominal impedance: 3 ohms
Sensitivity (2.83V/1m): 91dB

performance

REF-4002cfx

Type: 4" (100mm) two-way car audio loudspeaker
Peak power handling: 105W
Power handling, continuous average: 35W RMS
Recommended amplifier RMS power range: 5W – 50W
Frequency response: 75Hz – 21kHz
Nominal impedance: 3 ohms
Sensitivity (2.83V/1m): 92dB

REF-6402cfx

Type: 4" x 6" two-way car audio loudspeaker
Peak power handling: 135W
Power handling, continuous average: 45W RMS
Recommended amplifier RMS power range: 5W – 50W
Frequency response: 75Hz – 21kHz
Nominal impedance: 3 ohms
Sensitivity (2.83V/1m): 92dB

REF-8602cfx

Type: 6" x 8" x 5" x 7" two-way car audio loudspeaker
Peak power handling: 180W
Power handling, continuous average: 60W RMS
Recommended amplifier RMS power range: 5W – 125W
Frequency response: 49Hz – 21kHz
Nominal impedance: 3 ohms
Sensitivity (2.83V/1m): 93dB

REF-6500cx

Type: 6-1/2" (165mm) two-way car audio component loudspeaker system
Peak power handling: 270W
Power handling, continuous average: 90W RMS
Recommended amplifier RMS power range: 5W – 200W
Frequency response: 53Hz – 21kHz
Nominal impedance: 3 ohms
Sensitivity (2.83V/1m): 93dB

REF-075tx

Type: 3/4" (19mm) car audio component tweeter
Peak power handling: 135W
Power handling, continuous average: 45W RMS
Recommended amplifier RMS power range: 5W – 75W
Frequency response: 2.5kHz – 21kHz
Nominal impedance: 3 ohms
Sensitivity (2.83V/1m): 93dB