

# Infinity Reference speakers

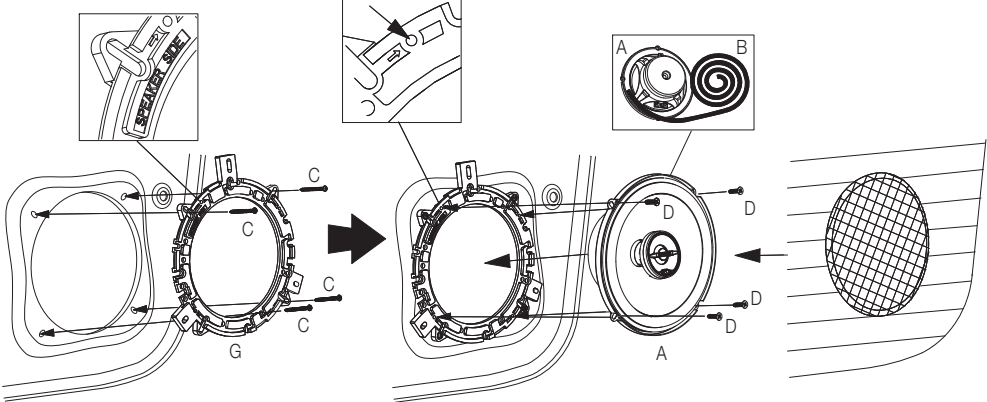
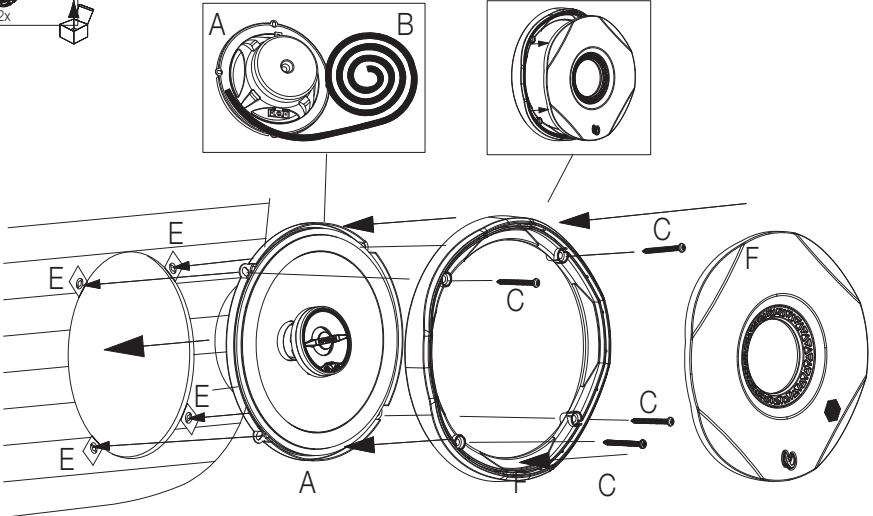
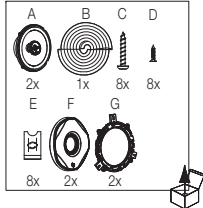


Car Audio Speaker  
Haut-parleur audio automobile  
Altavoz de audio para automóvil  
Alto-falante automotivo  
Fahrzeuglautsprecher  
Diffusore Car Audio  
Autoluidspreker  
Bilstereohøytaler  
Autokaiutin  
Автомобильный динамик  
Bilhögtalare  
Bilhøjtaler  
カーオーディオ・スピーカー  
Głośnik samochodowy  
카오디오 스피커  
车载扬声器  
汽車音響喇叭  
Speaker Audio Mobil  
Araba Ses Hoparlörü

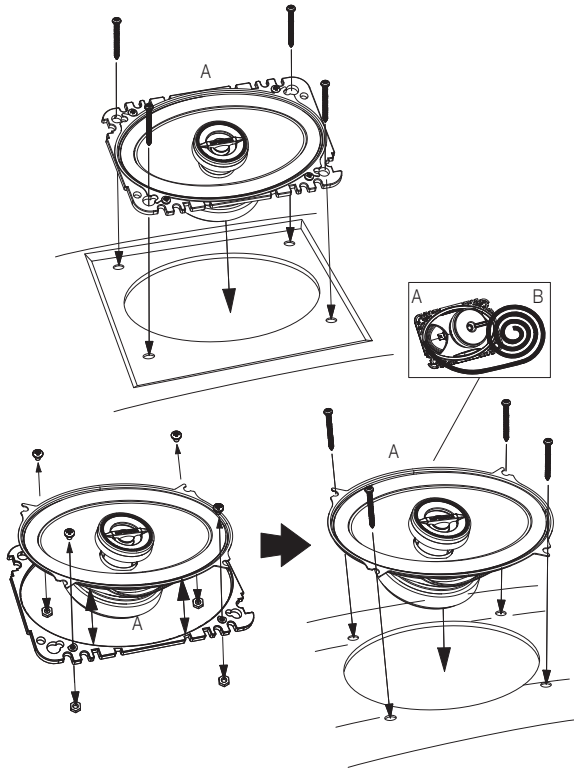
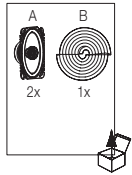


Installation manual  
Manuel d'installation  
Manual de instalación  
Manual de instalação  
Installationshandbuch  
Manuale d'installazione  
Installatiehandleiding  
Installasjonsveiledning  
Asennusopas  
Руководство по установке  
Installationsanvisning  
Installationsmanual  
設置マニュアル  
Instrukcja instalacji  
설치 설명서  
安裝手冊  
安裝手冊  
Panduan instalasi  
Kurulum kılavuzu

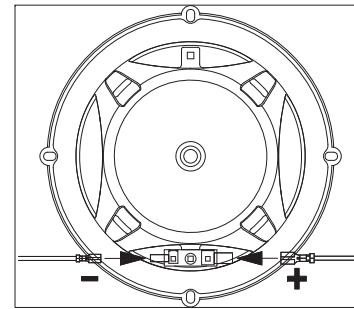
REF-6532ix REF-6532ex



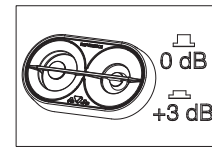
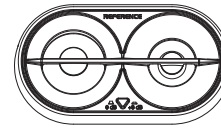
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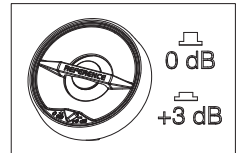
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REF-9632ix/REF-9633ix



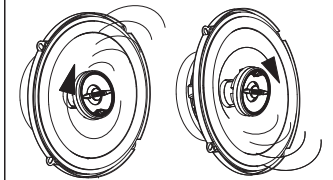
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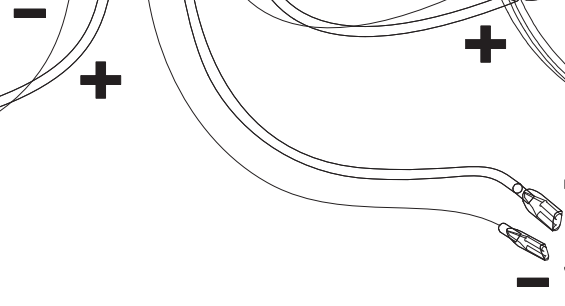
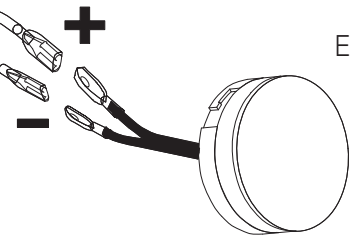
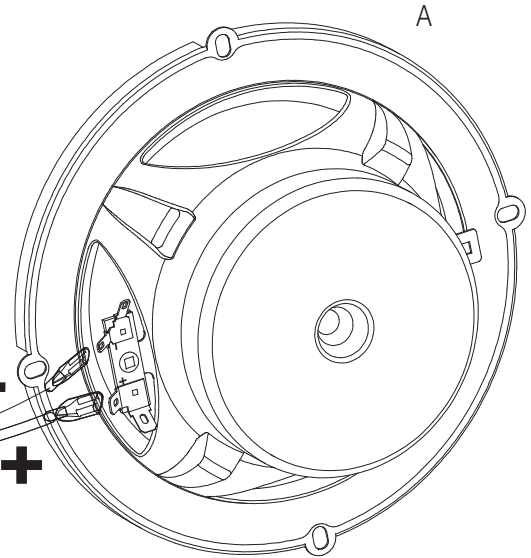
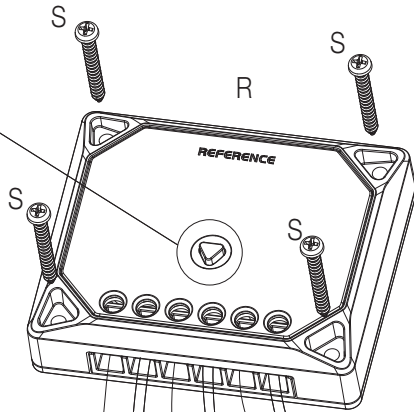
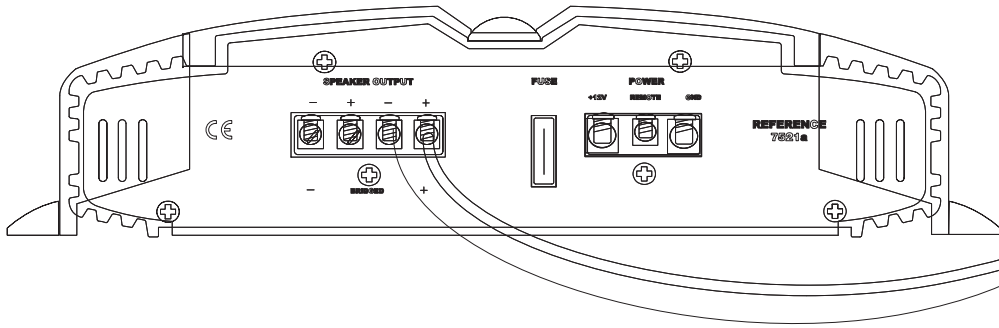
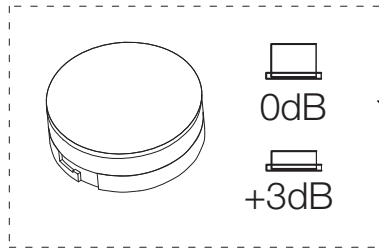


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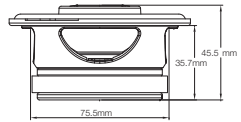


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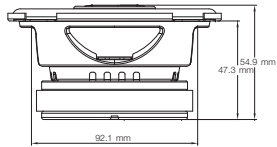




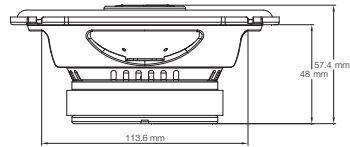
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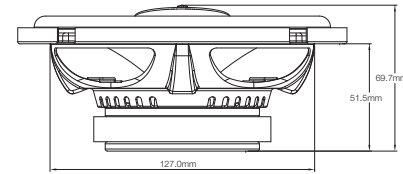
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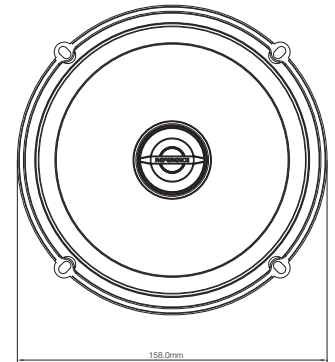
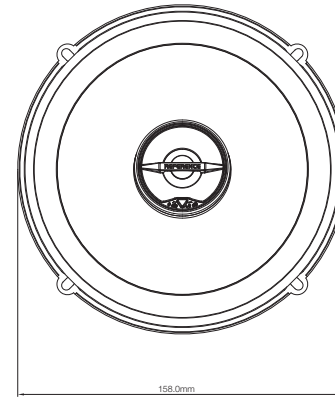
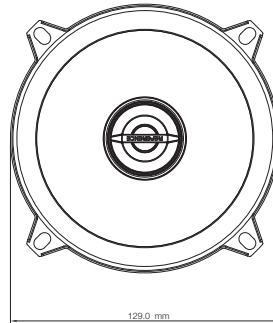
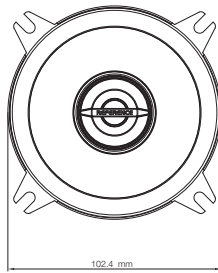
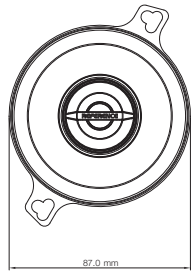
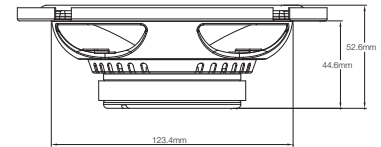
REF-5032cfx



REF-6532ix



REF-6532ex









TEKNİK ÖZELLİKLER	REF-6532ix	REF-9633ix	REF-3032cfx	REF-4032cfx	REF-5032cfx	REF-6432cfx	REF-9632cfx	REF-5030cx	REF-6530cx	REF-9630cx	REF-375tx	REF-6532ex	REF-9632cx
<b>Tip</b>	6-1/2" (160mm) yüksek performanslı koaksiyel araba hoparlörü	6" x 9" yüksek performanslı üç yollu araba hoparlörü	3-1/2" (87mm) yüksek performanslı koaksiyel araba hoparlörü	4" (100mm) yüksek performanslı koaksiyel araba hoparlörü	5-1/4" (130mm) yüksek performanslı koaksiyel araba hoparlörü	4" x 6" yüksek performanslı koaksiyel araba hoparlörü	6" x 8" yüksek performanslı koaksiyel araba hoparlörü	5-1/4" (130mm) yüksek performanslı bile en hoparlör sistemi	6-1/2" (160mm) yüksek performanslı bile en hoparlör sistemi	6" x 9" yüksek performanslı bile en hoparlör sistemi	3/4" (19mm) yüksek performanslı bile en hoparlör sistemi	6-1/2" (160mm) yüksek performanslı koaksiyel araba hoparlörü	6" x 9" yüksek performanslı koaksiyel araba hoparlörü
<b>Süreklili güç kullanımı</b>	40W	100W	20W	35W	45W	40W	60W	65W	90W	120W	40W	55W	100W
<b>Tepe güç kullanımı</b>	180W	300W	75W	105W	130W	130W	180W	190W	270W	370W	130W	160W	300W
<b>Frekans yansı</b>	53Hz-21kHz	49Hz-30kHz	89Hz-21kHz	75Hz-21kHz	67Hz-21kHz	79Hz-21kHz	49Hz-21kHz	67Hz-21kHz	53Hz-21kHz	49Hz-21kHz	2.9kHz-21kHz	57Hz-21kHz	49Hz-20kHz
<b>Nominal Empedans</b>	3.0ohms	3.0ohms	3.0ohms	3.0ohms	3.0ohms	3.0ohms	3.0ohms	3.0ohms	3.0ohms	3.0ohms	3.0ohms	3.0ohms	3.0ohms
<b> Hassasiyet (2.83V/1m)</b>	93dB	94dB	91dB	92dB	92dB	92dB	93dB	93dB	93dB	93dB	93dB	93dB	94dB
<b>Dış çap</b>	6-1/4" (158mm)	9-5/16" X 6-7/16" (238.5mm X 165mm)	3-7/16" (87mm)	4-1/16" (102.4mm)	5-1/8" (129mm)	6-3/16" X 3-15/16" (152mm X 98.5mm)	8-11/16" X 5-5/8" (203mm X 142.2mm)	5-1/8" (129mm)	6-1/4" (158mm)	9-5/16" X 6-7/16" (238.5mm X 165mm)	2-1/4" (56mm)	6-1/4" (158mm)	9-5/16" X 6-7/16" (238.5mm X 165mm)
<b>Montaj kesme çapı</b>	6" (127mm)	8-1/2" X 5-3/4" (214.6mm X 144.6mm)	3" (75.5mm)	3-11/16" (92.1mm)	4-1/2" (113.0mm)	5-9/16" X 3-9/16" (140.4mm X 85.1mm)	7-1/4" X 5" (182.6mm X 125.0mm)	4-1/2" (113.0mm)	5" (127mm)	8-1/2" X 5-3/4" (214.6mm X 144.6mm)	1-5/8" (40mm)	4-7/8" (123.4mm)	8-1/2" X 5-3/4" (214.6mm X 144.6mm)
<b>Toplam derinlik</b>	2-3/4" (69.7mm)	3-3/4" (93.8mm)	1-13/16" (45.5mm)	2-3/16" (54.9mm)	2-5/16" (67.4mm)	2-3/16" (54.9mm)	2-15/16" (74.2mm)	2-3/16" (55mm)	2-9/16" (64.8mm)	3-1/2" (89mm)	1-7/16" (36.1mm)	2-1/8" (53.0mm)	3-5/8" (91.8mm)
<b>Montaj derinliği</b>	2-1/16" (51.5mm)	3-1/8" (77.8mm)	1-7/16" (35.7mm)	1-7/8" (47.3mm)	1-15/16" (49mm)	1-7/8" (46.7mm)	2-7/16" (61.1mm)	1-15/16" (48mm)	2-1/16" (51.5mm)	3-1/8" (77.8mm)	13/16" (32mm)	1-13/16" (44.6mm)	3-5/8" (77.8mm)



HARMAN International Industries, Inc.  
8500 Balboa Boulevard, Northridge, CA 91329 USA

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www.infinitiespeakers.com

Features, specifications and appearance are subject to change without notice.

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Функции, характеристики и внешний вид описываемых компонентов могут быть изменены без предварительного уведомления.



Торговая марка	: Infinity
Назначение товара	: Автомобильная акустическая система
Изготовитель	: Харман Интернешнл Индастриз Инкорпорейтед, США, 06901 Коннектикут, г.Стэмфорд, Атлантик Стрит 400, офис 1500
Страна происхождения	: Вьетнам
Импортер в Россию	: ООО "ХАРМАН РУС СиАйЭс", РОССИЯ, 127018, г.МОСКВА, УЛ. ДВИНЦЕВ, Д.12, КОРПУС 1
Гарантийный период	: 1 год
Информация о сервисных центрах	: www.harman.com/ru тел. +7-800-700-0467
Срок службы	: 5 лет
Срок хранения	: не ограничен
Условия хранения	: Стандартные при нормальных значениях климатических факторов внешней среды
Номер документа соответствия	: Товар не подлежит обязательной сертификации
Дата производства	: Дата изготовления устройства определяется по двум буквенным обозначениям из второй группы символов серийного номера изделия, следующих после разделительного знака «-». Кодировка соответствует порядку букв латинского алфавита, начиная с января 2010 года: 000000-MY0000000, где «M» - месяц производства (А - январь, В - февраль, С - март и т.д.) и «Y» - год производства (А - 2010, В - 2011, С - 2012 и т.д.).





# Reference Speakers

Extreme-performance automotive coaxial and component speakers



## Accurate, high performance sound.

New Reference speakers are designed to deliver Infinity's signature sound in more vehicles. They feature edge-driven textile tweeters for smooth, clear highs and the larger models offer an adjustable tweeter output level control for high-frequency optimization based on installation location or the listener's preference. Oversized Plus One™ woofers offer more surface area for higher bass output and enhanced midrange performance. Plus our newly engineered baskets are optimized to fit most factory speaker locations. Available in a range of standard sizes – 3", 4", 5-1/4", 6-1/2", 6" x 8" and 4" x 6" coaxial, 6" x 9" 3-way, and 5-1/4", 6-1/2", and 6" x 9" component – they're the perfect upgrade from factory speakers.

## Features

- ▶ Edge-driven, textile tweeters
- ▶ Adjustable tweeter output level
- ▶ Plus One™ woofer cone architecture
- ▶ Optimized Frame Size
- ▶ Competitive pricing



# Reference Speakers

Extreme-performance automotive coaxial and component speakers



## Features and Benefits

### Edge-driven, textile tweeters

The audiophile-grade tweeters used in Infinity's new Reference speakers deliver smooth, non-fatiguing sound even at high output levels.

### Adjustable tweeter output level

The larger Reference multielement and component systems offer a tweeter output level control to optimize system linearity to suit installation location or the listener's preference.

### Plus One™ woofer cone architecture

Harman's patented (US patent #7,548,631) Plus One™ cones provide more overall speaker-cone area than other cones in its class – the result is higher sensitivity, increased low-frequency output and accurate music reproduction.

### Optimized Frame Size

Reference speakers are available in a range of standard sizes, and feature a compact design that allows them to fit just about any vehicle on the road today.

### Competitive pricing

Reference speakers provide step-up Infinity sound at mainstream prices.

## What's in the box:

### REF 3032cfx

1 pair of coaxial speakers  
Foam mounting tape  
Owner's manual

### REF 4032cfx

1 pair of coaxial speakers  
Foam mounting tape  
Owner's manual

### REF 5032cfx

1 pair of coaxial speakers  
Foam mounting tape  
Owner's manual

### REF 6532ix

1 pair of coaxial speakers  
1 pair of speaker grilles  
8 large mounting screws  
8 speed clips  
8 small mounting screws  
1 pair of adapter rings  
Foam mounting tape  
Owner's manual

### REF 6532ex

1 pair of shallow-mount coaxial speakers  
1 pair of speaker grilles  
8 large mounting screws  
8 speed clips  
8 small mounting screws  
1 pair of adapter rings  
Foam mounting tape  
Owner's manual

### REF 6432cfx

1 pair of coaxial speakers  
Foam mounting tape  
Owner's manual

### REF 8632cfx

1 pair of coaxial speakers  
Foam mounting tape  
Owner's manual

### REF 9632ix

1 pair of coaxial speakers  
1 pair of speaker grilles  
1 pair of spacers  
8 mounting screws  
8 speed clips  
Foam mounting tape  
Owner's manual

### REF 9633ix

1 pair of 3-way speakers  
1 pair of speaker grilles  
1 pair of spacers  
8 mounting screws  
8 speed clips  
Foam mounting tape  
Owner's manual

### REF 5030cx

1 pair of woofers  
1 pair of tweeters  
1 pair of crossovers  
1 pair of tweeter surface mount accessories  
1 pair of tweeter flush mount accessories  
1 pair of tweeter nuts  
1 pair of tweeter flat washers  
6 tweeter mounting screws  
8 woofer mounting screws  
8 crossover mounting screws  
8 speed clips  
Foam mounting tape  
Owner's manual

### REF 6530cx

1 pair of woofers  
1 pair of tweeters  
1 pair of speaker grilles  
1 pair of crossovers  
1 pair of woofer mounting brackets  
1 pair of tweeter surface mount accessories  
1 pair of tweeter flush mount accessories  
1 pair of tweeter nuts  
1 pair of tweeter flat washers  
6 tweeter mounting screws  
8 woofer mounting screws  
8 crossover mounting screws  
8 speed clips  
Foam mounting tape  
Owner's manual

### REF 9630cx

1 pair of woofers  
1 pair of tweeters  
1 pair of speaker grilles  
1 pair of crossovers  
1 pair of woofer adapter rings  
1 pair of tweeter surface mount accessories  
1 pair of tweeter flush mount accessories  
1 pair of tweeter nuts  
1 pair of tweeter flat washers  
6 tweeter mounting screws  
8 woofer mounting screws  
8 crossover mounting screws  
8 speed clips  
1 pair of spacers  
Foam mounting tape  
Owner's manual

### REF 375tx

1 pair of tweeters  
Tweeter surface mount accessories  
Tweeter flush mount accessories  
Owner's manual



# Reference Speakers

Extreme-performance automotive coaxial and component speakers

## Technical Specifications:

### REF 3032cfx

Description: 3-1/2" (87mm) coaxial car speaker  
Power Handling: 25W RMS, 75W peak  
Sensitivity (@ 2.83V): 91dB  
Frequency Response: 85Hz – 21kHz  
Impedance: 3.0 ohms

### REF 4032cfx

Description: 4" (100mm) coaxial car speaker  
Power Handling: 35W RMS, 105W peak  
Sensitivity (@ 2.83V): 92dB  
Frequency Response: 75Hz – 21kHz  
Impedance: 3.0 ohms

### REF 5032cfx

Description: 5-1/4" (130mm) coaxial car speaker  
Power Handling: 45W RMS, 135W peak  
Sensitivity (@ 2.83V): 92dB  
Frequency Response: 67Hz – 21kHz  
Impedance: 3.0 ohms

### REF 6532ix

Description: 6-1/2" (160mm) coaxial car speaker  
Power Handling: 60W RMS, 180W peak  
Sensitivity (@ 2.83V): 93dB  
Frequency Response: 53Hz – 21kHz  
Impedance: 3.0 ohms

### REF 6532ex

Description: 6-1/2" (160mm) shallow-mount coaxial car speaker  
Power Handling: 55W RMS, 165W peak  
Sensitivity (@ 2.83V): 93dB  
Frequency Response: 57Hz – 21kHz  
Impedance: 3.0 ohms

### REF 6432cfx

Description: 4" x 6" (100mm x 152mm) coaxial car speaker  
Power Handling: 45W RMS, 135W peak  
Sensitivity (@ 2.83V): 92dB  
Frequency Response: 75Hz – 21kHz  
Impedance: 3.0 ohms

### REF 8632cfx

Description: 6" x 8" (152mm x 203mm) coaxial car speaker  
Power Handling: 60W RMS, 180W peak  
Sensitivity (@ 2.83V): 93dB  
Frequency Response: 49Hz – 21kHz  
Impedance: 3.0 ohms

### REF 9632ix

Description: 6" x 9" (152mm x 230mm) coaxial car speaker  
Power Handling: 100W RMS, 300W peak  
Sensitivity (@ 2.83V): 94dB  
Frequency Response: 46Hz – 20kHz  
Impedance: 3.0 ohms

### REF 9633ix

Description: 6" x 9" (152mm x 230mm) 3-way car speaker  
Power Handling: 100W RMS, 300W peak  
Sensitivity (@ 2.83V): 94dB  
Frequency Response: 46Hz – 30kHz  
Impedance: 3.0 ohms

### REF 5030cx

Description: 5-1/4" (130mm) component speaker system  
Power Handling: 65W RMS, 195W peak  
Sensitivity (@ 2.83V): 93dB  
Frequency Response: 67Hz – 21kHz  
Impedance: 3.0 ohms

### REF 6530cx

Description: 6-1/2" (160mm) component speaker system  
Power Handling: 90W RMS, 270W peak  
Sensitivity (@ 2.83V): 93dB  
Frequency Response: 53Hz – 21kHz  
Impedance: 3.0 ohms

### REF 9630cx

Description: 6" x 9" (152mm x 230mm) component speaker system  
Power Handling: 125W RMS, 375W peak  
Sensitivity (@ 2.83V): 93dB  
Frequency Response: 46Hz – 21kHz  
Impedance: 3.0 ohms

### REF 375tx

Description: 3/4" (19mm) tweeter component speaker  
Power Handling: 45W RMS, 135W peak  
Sensitivity (@ 2.83V): 93dB  
Frequency Response: 2.5kHz – 21kHz  
Impedance: 3.0 ohms





## **Infinity Speakers Consumer Products**

8500 Balboa Boulevard, Northridge, CA 91329

**Dear Customer,**

Congratulations on choosing Infinity Speakers. For more than 50 years, Infinity Speakers has been involved in every facet of music and film recording and reproduction. From live performances to monitoring the recordings you will soon play in your home, office or home theater, Infinity Speakers has provided a critical link.

As good as Infinity Speakers products already are, our high-fidelity research moves forward, resulting in new products with even higher performance capabilities.

We are confident that the Infinity Speakers products you have chosen will provide every note of musical enjoyment you expected – and that when you think about additional loudspeakers for your home and your car, you will once again choose Infinity Speakers.

Please take a moment to complete the enclosed profile card. This will enable us to keep you posted on our latest advancements, and will help us to better understand our customers and to build products that meet their needs and expectations.

Thank you for selecting Infinity Speakers.

**Infinity Speakers Consumer Products**



Consumer  
Technology  
Association

### **A Message from Infinity Speakers and the Consumer Technology Association:**

Selecting fine audio equipment, such as the unit you have just purchased, is only the start of your musical enjoyment. Now it is time to consider how you can maximize the fun and excitement your equipment offers. Infinity Speakers and the Consumer Technology Association want you to get the most out of your equipment by playing it at a safe level; one that lets the sound come through loud and clear without annoying blaring or distortion – and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. What sounds "normal" can actually be loud and harmful to your hearing. Guard against this by choosing a safe level BEFORE your hearing adapts.

#### **TO ESTABLISH A SAFE LEVEL:**

- Start your volume control at a low setting
- Slowly increase the sound until you can hear it comfortably, clearly, and without distortion

#### **ONCE YOU HAVE ESTABLISHED A COMFORTABLE SOUND LEVEL:**

- Do not exceed that level

Taking a moment to do this now will help to prevent hearing damage or loss in the future.  
After all, we want you listening for a lifetime.



## **Infinity Speakers 1-Year Warranty – Electronics Infinity Speakers 5-Year Limited Warranty – Loudspeakers**

**U.S. Warranty – For warranty information outside the U.S., please contact your local distributor. Warranty service is only available in the country of original purchase.**

**This is an important document.**

**Attach your bill of sale to this card and keep it in a safe place.**

**Your bill of sale is your warranty.**

The Infinity Speakers warranty on the electronic components in this loudspeaker system remains in effect for **one year** from the date of the first consumer purchase.

The Infinity Speakers warranty on loudspeakers (including enclosures) remains in effect for **five years** from the date of the first consumer purchase.

### **WHO IS PROTECTED BY THIS WARRANTY**

The Infinity Speakers warranty protects the original owner and all subsequent owners, provided that the Infinity Speakers product was purchased within the continental United States, Alaska or Hawaii from an authorized dealer who was authorized by Infinity Speakers to sell such products at the time of the original purchase, or purchased by military personnel from an authorized military outlet. **A copy of the original dated bill of sale must be presented whenever warranty service is required.**

### **WHAT IS COVERED BY THIS WARRANTY**

Except as specified below, the Infinity Speakers warranty covers all defects in material and workmanship. The following are **not** covered: damage caused by accident, misuse, abuse, product modification or neglect; damage occurring during shipment; damage from failure to follow instructions contained in the instruction manual; damage resulting from the performance of repairs by someone not authorized by Infinity Speakers; damage caused by installation of parts that do not conform to Infinity Speakers specifications; units used for other than home use; units not used for their intended purpose; any claims based on misrepresentations by the seller; products sold on an "as-is" or final sale basis; or the cost of installing, removing, or reinstalling the unit. Infinity Speakers's liability is limited to the repair or replacement, at our option, of any defective product and shall not include incidental or consequential damages. Infinity Speakers reserves the right to replace a discontinued model with a comparable model. Any replacement units or parts may be new or rebuilt.

### **TO OBTAIN WARRANTY SERVICE**

If you require warranty service, please contact your dealer for assistance. If this is not possible and you live in the United States, please visit our Web site at **[www.infinityspeakers.com](http://www.infinityspeakers.com)** or call **(800) 553-3332** for information on how to obtain service or replacement.

If purchased outside the United States, contact your local dealer or distributor for repair or replacement.

### **DO NOT RETURN PRODUCTS TO THE INFINITY SPEAKERS FACTORY WITHOUT AUTHORIZATION; THEY WILL BE RETURNED UNOPENED**

You are responsible for transporting your product for repair or replacement. Infinity Speakers will pay reasonable return charges for delivery to any location in the continental United States, Alaska or Hawaii if the repair or replacement is covered under the warranty. Please save the original shipping carton(s), as a charge will be made for additional cartons.

Correspondence with Infinity Speakers should be addressed to: Infinity Speakers Customer Service, 8500 Balboa Boulevard, Northridge, CA 91329. Outside the United States, please contact your local distributor.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above may not apply to you.

### **Infinity Speakers Consumer Products**

8500 Balboa Boulevard, Northridge, CA 91329

Part No. 1/5YRWARHM