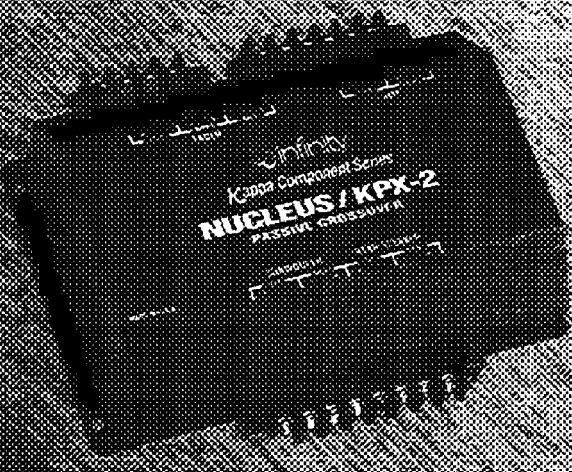


Kappa Nucleus/KPX-2
Passive Crossover
Installation Guide
*(Notice d'installation - Einbau-Anleitung -
Manuale d'installazione)*



Introduction

A high performance car audio system typically consists of front/rear satellite speakers at each corner, two subwoofers, active crossovers, a multitude of amplifiers, and an extensive amount of signal cables, adapters, etc. Now, the Infinity Kappa Nucleus/KPX-2 Passive Crossover achieves the same loudspeaker layout using only one amplifier!

The Infinity Kappa Nucleus/KPX-2 is specifically designed to create a cost-effective alternative to the elaborate and expensive multi-channel systems being installed today.

The KPX-2 is a self-contained unit that uses a passive network to optimally filter and route the incoming audio frequency spectrum to low and high pass channels, providing direct connection to subwoofers and satellite speaker systems. High-quality components are used to provide for low insertion loss, which insures maximum power transfer without signal degradation. All you'll need to add is a single amplifier that's matched to a set of subwoofers and satellite speakers.

For optimum performance, our RS Separates, Kappa Series, and Kappa Component Subwoofers are all designed to interface perfectly with the KPX-2. Kappa Component Subwoofers are available in a variety of sizes with specific models for vented box or infinite baffle installations.

Installing the KPX-2 is simple — connections are all on screw terminal strips and the wiring diagram is right on the case. The unit includes mounting ears for easy installation almost anywhere inside your vehicle. For enhanced sound, simply add the companion Infinity FC-1 Fader Control Unit (sold separately) and another pair of Infinity loudspeakers. No additional amplifiers are needed! The resulting system will fill your vehicle with powerful low bass, excellent sound dispersion, and accurate staging without sacrificing dynamic range.

Features

The KPX-2 Passive Crossover includes the following features:

- Cost-effective alternative to multi-amplifier installations using a single amplifier to drive satellite and subwoofer systems
- Passive design for accurate sound imaging and smooth high frequency response
- Very low insertion loss (typically less than 2 dB) for maximum power transfer from amplifier to speakers
- High power handling is achieved using precision components and heavy laminated iron core inductors
- 12 dB per octave, low pass filter crossing at 75 Hz for subwoofers, and 6 dB per octave, high pass filter crossing at 150 Hz for satellite speaker systems
- Provision for (optional) Infinity FC-1 Fader Control Unit for use with stereo front/rear component speaker installations
- Attractive black-anodized aluminum case, complete with screw terminal strips, mounting ears, and screened wiring diagram for easy installation at virtually any enclosed site
- Designed and built in the U.S.A.
- Full one-year parts and labor warranty

Like all Infinity products, the Infinity Kappa Nucleus/KPX-2 Passive Crossover is made with our ongoing dedication to create the finest consumer audio products possible. As a result, you can expect it to provide you with many years of listening enjoyment.

Precautions

IMPORTANT

Before you start your installation, please read this guide for instructions and techniques, to achieve maximum product performance. Although this installation guide explains how to install the KPX-2 in a general sense, it does not show the exact installation methods for your particular vehicle. Installation of automotive stereo components requires extensive experience in dealing with a variety of mechanical and electrical procedures. If you do not feel you have the experience, do not attempt the installation yourself, but instead ask your Authorized Infinity Car Audio Dealer about professional installation options.

- Turn off all audio systems and other electrical devices before you start the installation. As an extra precaution, disconnect the (-) negative lead from your vehicle's battery.
- At the installation site, locate and make a note of all fuel lines, hydraulic brake lines, and electrical wiring. Use extreme caution when drilling in and around these areas.
- Check clearances on both sides of a planned mounting surface before drilling any holes or installing any screws.
- Make sure the mounting site is sturdy enough to hold the KPX-2's weight and provides a secure installation under actual road conditions.
- Before drilling, use a utility knife to remove unwanted fabric or vinyl, to prevent snagging in a drill bit.
- Always wear protective eyewear when using tools.

Installation

1. Choose an installation site that allows easy mounting and wiring of the KPX-2 to your speaker system(s). Use the KPX-2 as a template to mark mounting holes.
2. Use a hand drill with $\frac{1}{8}$ " bit to create mounting holes at the four marked locations.
3. Fasten the KPX-2 to the site with four (not supplied) #8 x $\frac{1}{2}$ " self-tapping screws.

System Applications

- NOTE: Refer to Figures 1 and 2 on pages 5 and 6 for suggested wiring schemes for the KPX-2.

Adding an FC-1 Fader Control Unit (optional)

- NOTE: Refer to the instruction sheet packed with the Infinity FC-1 Fader Control Unit (sold separately) for wiring color codes.
1. Choose an installation site that allows easy fader adjustment from within your vehicle (e.g., dash, center console, etc.).
 2. After mounting the FC-1, connect the attached cables to Fader connections on the KPX-2 and the additional satellite speakers.

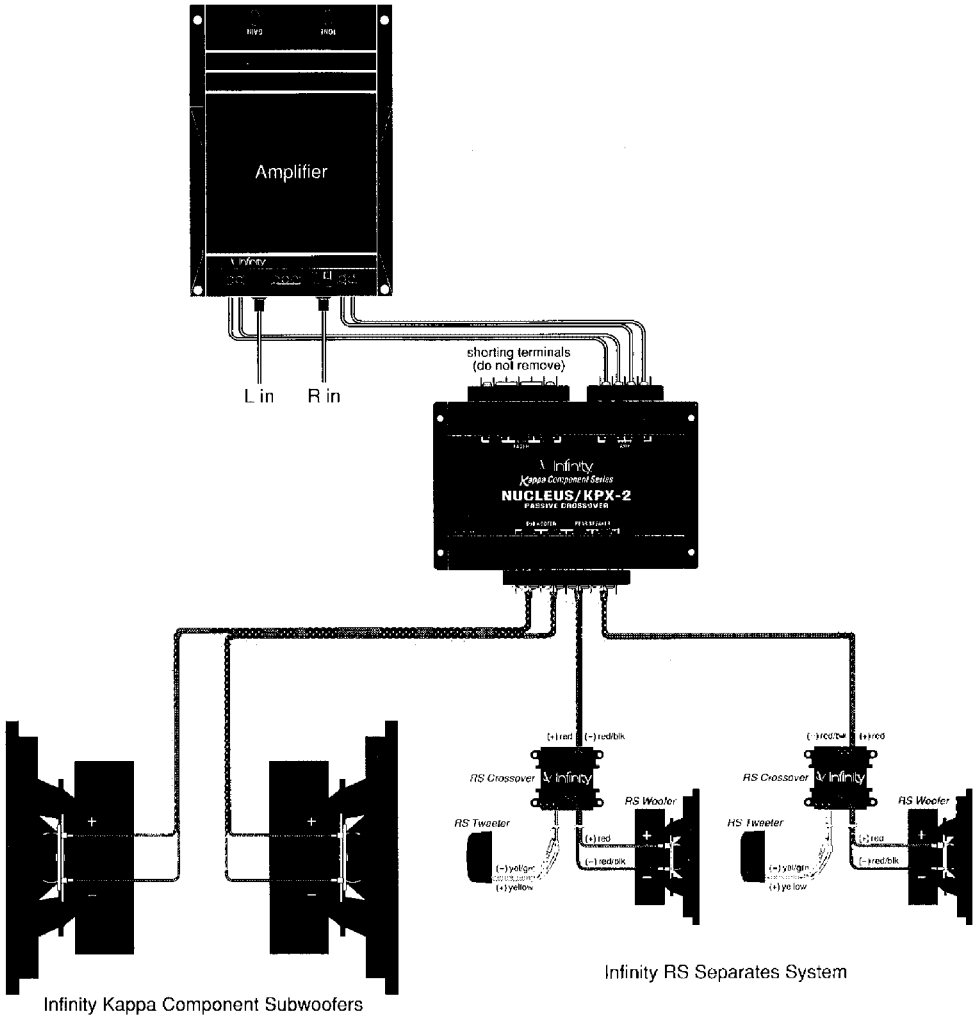


Figure 1. This wiring diagram shows a typical system that uses one amplifier, a KPX-2, a pair of Infinity Kappa Component Series Subwoofers, and an Infinity RS Separates System.

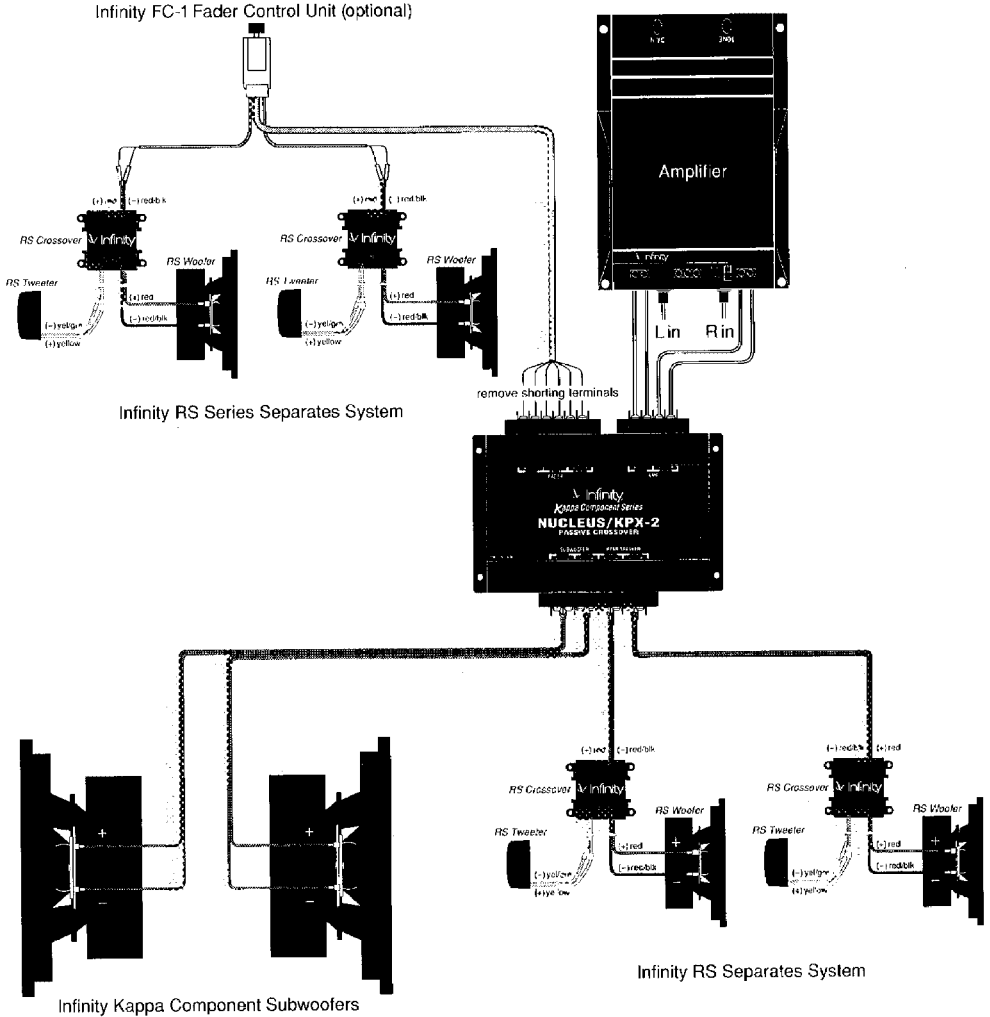


Figure 2. This wiring diagram shows an enhanced system that uses one amplifier, a KPX-2, an (optional) Infinity FC-1 Fader Control Unit, a pair of Infinity Kappa Component Series Subwoofers, and two pair of RS Separates Systems for front and rear staging. With the added FC-1, this system will have front-to-rear fade capability, even though only one amplifier is used.

Warranty

THE INFINITY WARRANTY PROTECTS YOUR ORIGINAL PURCHASE FOR A PERIOD OF ONE YEAR FROM ANY FAILURE AS A RESULT OF AN ORIGINAL MANUFACTURING DEFECT SO LONG AS:

1. The Infinity product was purchased by you within the United States, or purchased by military personnel from an authorized military outlet, and
2. **THE ORIGINAL DATED BILL OF SALE IS PRESENTED WHENEVER SERVICE IS REQUIRED DURING THE WARRANTY PERIOD.** This warranty does not apply to products purchased elsewhere and is not transferable. Other purchasers should contact their local Infinity distributor for warranty information.

The Infinity Warranty covers all defects in original materials and workmanship. The following are not covered: damage caused by faulty installation, accident, misuse, abuse, neglect, product modification; damage occurring during shipment, damage caused by failure to follow instructions in this owner's manual; damage resulting from repairs by someone not authorized by Infinity; claims based upon any misrepresentations by the seller; and any Infinity product on which the serial number has been altered, defaced, or removed.

During the warranty period, Infinity will cover both parts and labor or will replace or repair the unit at our discretion.

In the event that your Infinity product requires service, see the Authorized Infinity dealer where you purchased the product, or if this is not practical, contact us at:

Infinity Systems, Inc.
9409 Owensmouth Avenue
Chatsworth, CA 91311

Attention: Customer Service

PH: (818) 407-0228 or FAX (818) 709-7496

We may direct you to an Authorized Service Center for Infinity products, or ask you to send your unit to us for repair. In either case, you will have to present your original dated bill of sale to establish warranty coverage.

DO NOT SEND YOUR UNIT TO US WITHOUT OBTAINING PRIOR AUTHORIZATION.

You are responsible for transporting your unit for repair and for payment of all shipping charges. If possible, use the original packaging, or ask us how to best pack the product for shipping. We will pay the return shipping charges if the repairs are covered by the warranty. If you experience difficulty in transporting your product, please advise us, and we may suggest alternative procedures.

LIMITATION OF IMPLIED WARRANTIES: All implied warranties, including fitness for a particular purpose and merchantability are limited in duration to the length of the warranty period for your product.

LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES: Infinity is not responsible for any incidental or consequential damage of any kind. Our liability is limited to the repair or replacement, at our option, of a defective product.

Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion of incidental or consequential damage, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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Specifications

KPX-2 Passive Crossover

Power Capacity:	100 watts rms into 4 ohms (per channel)
Frequency Response:	20 Hz to 20 kHz (± 1 dB)
Designated Impedance Load:	4 ohms (per channel)
Crossover Frequencies:	Low pass filter @ 75 Hz, 12 dB per octave High pass filter @ 150 Hz, 6 dB per octave
Dimensions (overall):	5" (127 mm) x 7 ¹⁵ / ₁₆ " (202 mm) x 2 ³ / ₃₂ " (58 mm)
Weight:	5 lbs.

Infinity constantly strives to update and improve existing products, as well as create new ones. Therefore, the specifications and construction details in this and related publications are subject to change without notice.