Infinity

Nucleus FC-1 Fader Control Unit
Installation Guide
(Notice d'installation · Einbau-Anleitung · Manuale d'installazione)

The Infinity FC-1 Fader Control Unit is an optional sound enhancement accessory for your Infinity Kappa Nucleus /KPX-2 Passive Crossover. Using your current amplifier and another pair of Infinity loudspeakers, you can design a stereo system with front/rear fade that will fill your vehicle with excellent sound dispersion and accurate staging, as shown in Figure 1.

Infinity FC-1 Fader Control Unit

LF System   RF System
(+) red   (−) blk   black jacket   white jacket   (+) red   (−) blk

(+) red   (−) red/blk   (+) red   (−) red/blk

RS Crossover Infinity   RS Crossover Infinity

RS Tweeter   RS Woofer   RS Tweeter   RS Woofer
                    (+) red   (+) red
(−) yel/grn   (−) red/blk   (−) yel/grn   (−) red/blk
(+) yellow   (+) yellow

GAIN   TONE

Amplifier

Infinity

L in   R in

Infinity RS Series Separates System

remove shorting terminals

Infinity
Kappa Component Series
NUCLEUS/KPX-2
PASSIVE CROSSOVER

FADER   AMP

SUBWOOFER   REAR SPEAKER

(+) red (−) red/blk   (−) red/blk (+) red

RS Crossover Infinity   RS Crossover Infinity

RS Tweeter   RS Woofer   RS Tweeter   RS Woofer
                    (+) red   (+) red
(−) yel/grn   (−) red/blk   (−) yel/grn   (−) red/blk
(+) yellow   (+) yellow

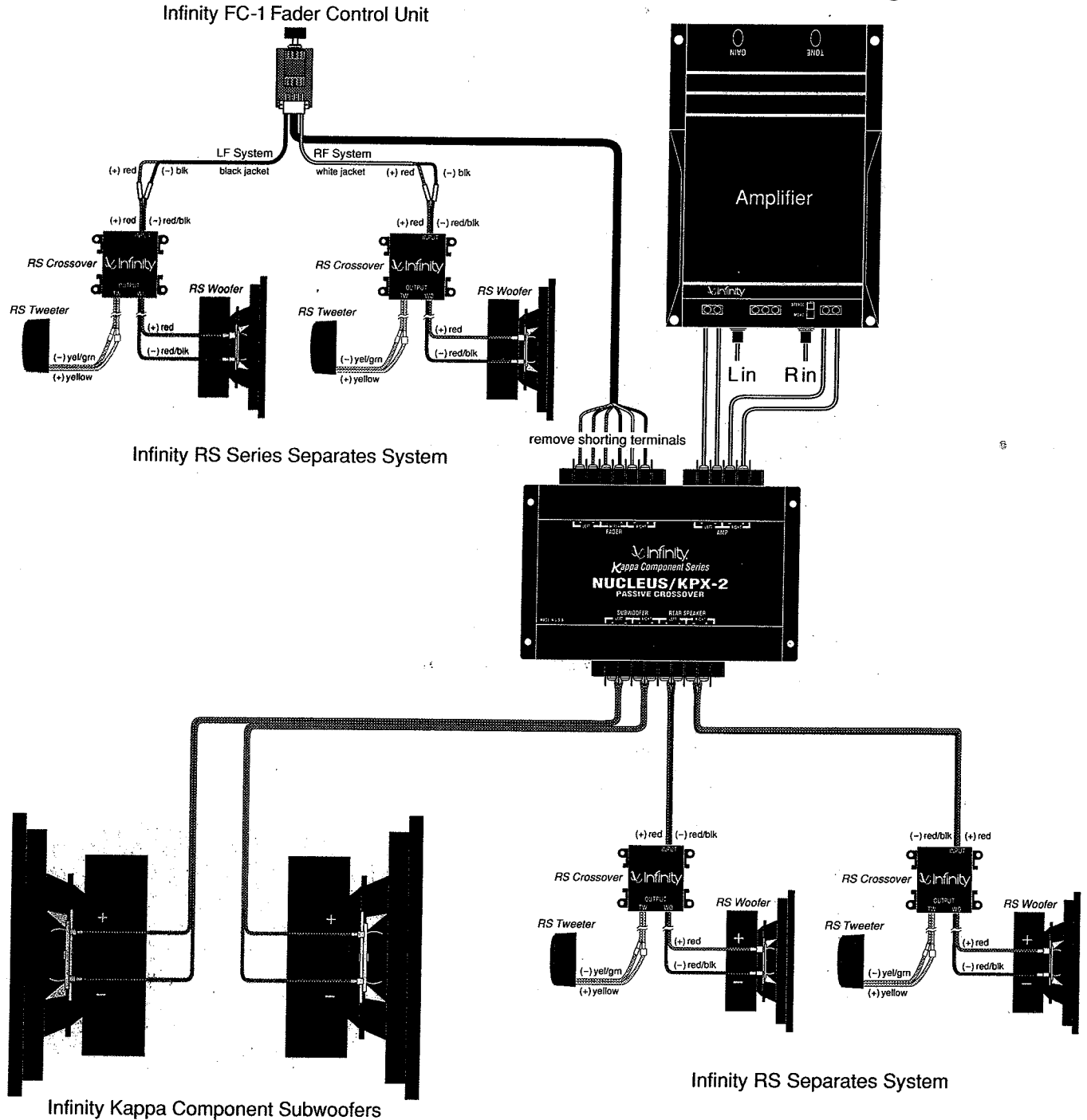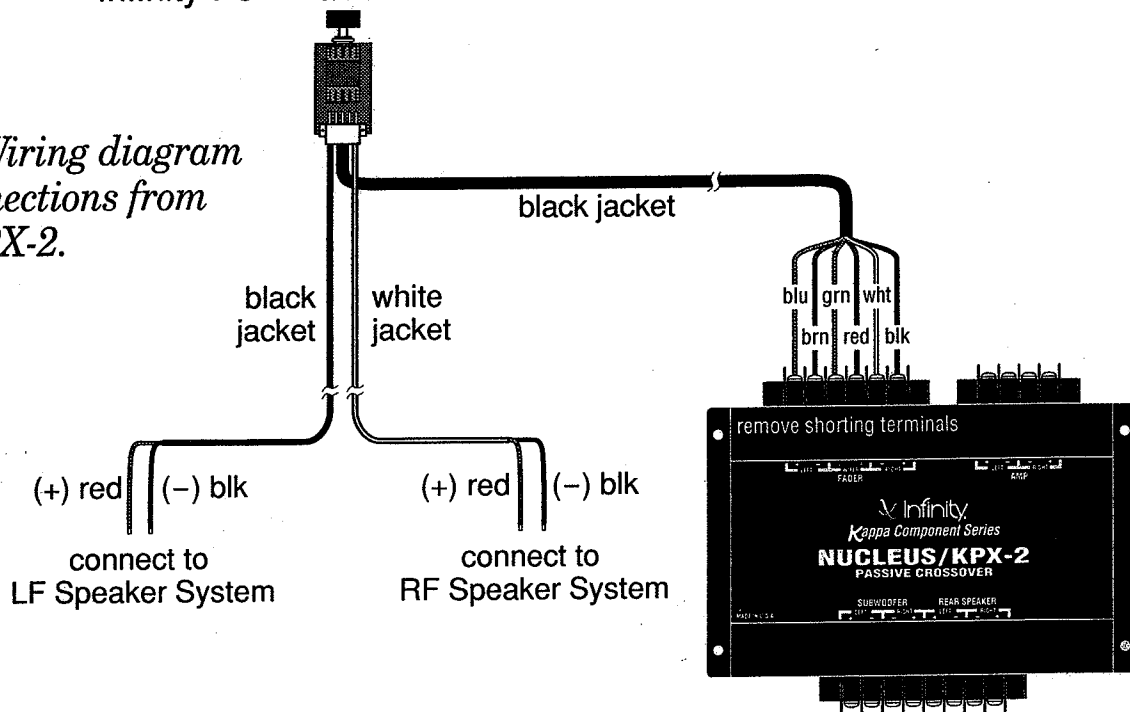Infinity RS Separates System

Infinity Kappa Component Subwoofers

Figure 1. Wiring diagram shows an enhanced system with front/rear fade when the FC-1 is added to a KPX-2, one amplifier, a pair of Infinity Kappa Component Series Subwoofers, and two pairs of RS Component Systems.

1. Turn off all audio systems and other electrical devices before installation. As an extra precaution, disconnect the (-) negative lead from the battery.

2. Choose an installation site that allows for easy fader adjustment from the driver's seating area. Check clearances before drilling any holes or installing any screws.

3. Use the enclosed fader control housing as a template to mark mounting holes. Use a hand drill with a ¹⁄₁₆" bit to drill holes for faceplate mounting, and fasten faceplate with two (not supplied) #8 x ½" self-tapping screws. (For custom installations, remove the fader from its housing, drill a ⅜" hole for the fader shaft, and mount the fader directly to the dashboard). Make sure the installed circuit board will not touch exposed metal.

4. Place the connector on the cable into the connector on the FC-1 circuit board. Insert the fader shaft through the mounting hole, secure it to the faceplate (or custom site) with its hex nut, and slip on the knob.

5. On the KPX-2, remove the FADER shorting terminals and connect the 18-foot black-jacket cable, as shown in Figure 2.

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Figure 2. Wiring diagram shows connections from FC-1 to KPX-2.

6. Connect the remaining cables to the appropriate front speaker systems.

7. Apply power to the system and test the FC-1 fader.

Wire Codes

Fader Cable (18-foot black jacket)

Left +	*Blue*
Left –	*Brown*
L Wiper	*Green*
R Wiper	*Red*
Right –	*White*
Right +	*Black*

RF Speaker System Cable (white jacket)

+	*Red*
–	*Black*

LF Speaker System Cable (black jacket)

+	*Red*
–	*Black*

The Infinity FC-1 Fader Control Unit is covered by our limited one-year parts and labor warranty. For a complete description, please refer to the Kappa Nucleus/KPX-2 Passive Crossover Installation Guide. The Infinity FC-1 is designed and built by Infinity Systems, Inc., in the U.S.A. Patents have been issued and are pending in the U.S.A. and other countries. Infinity Systems, Inc. is constantly striving to maintain the highest consumer standards. As a result of our efforts, improvements may be made without prior notice. Specifications and appearance may differ from those listed or shown in this installation guide.