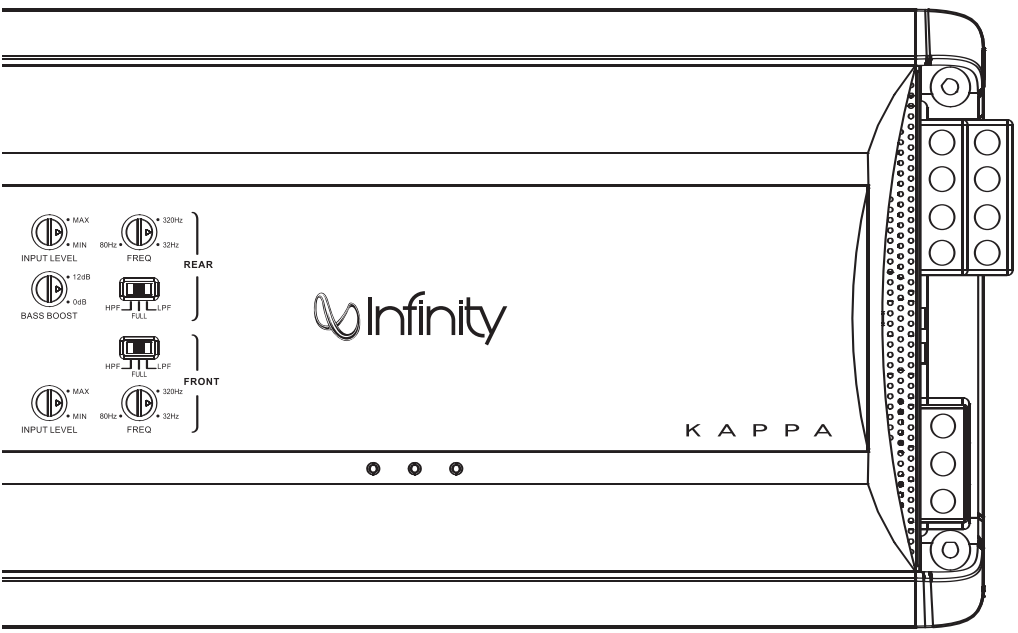
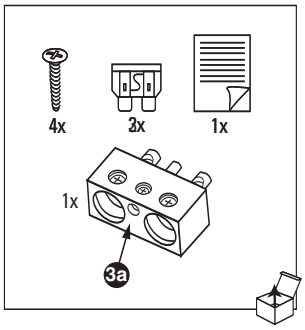
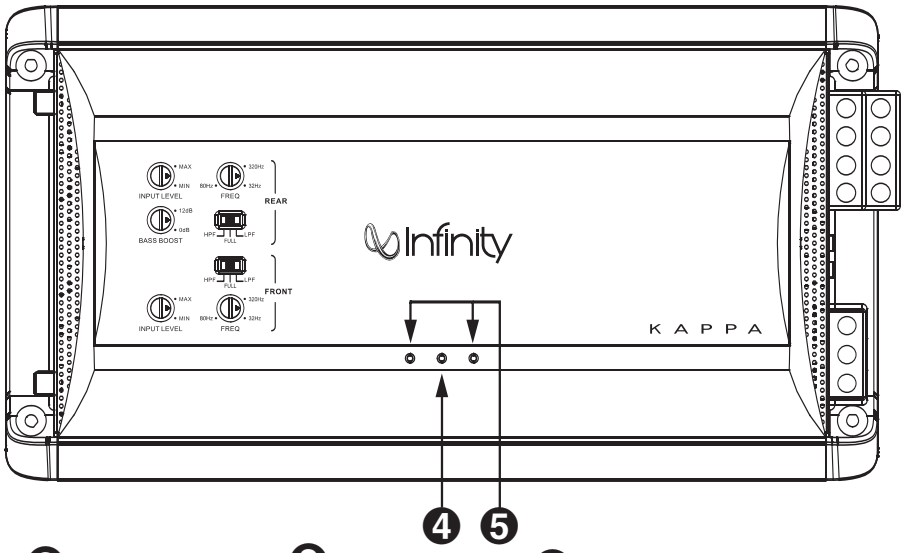
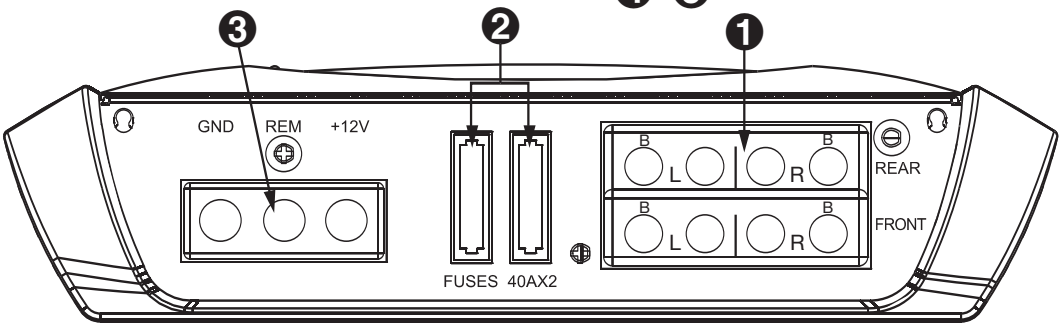
KAPPA®

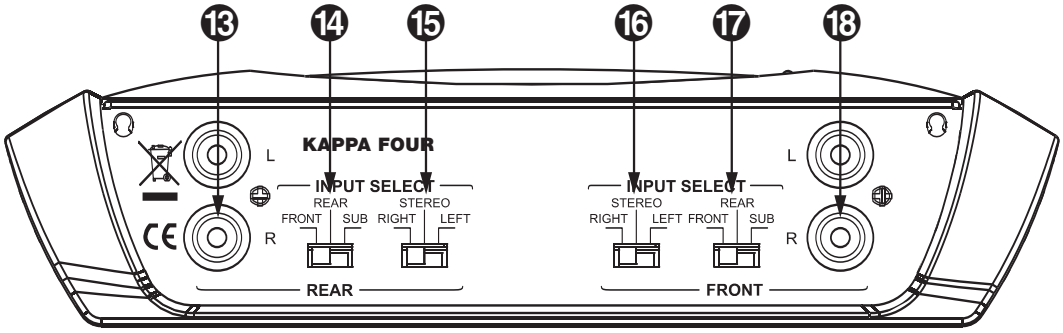
KAPPA® FOUR

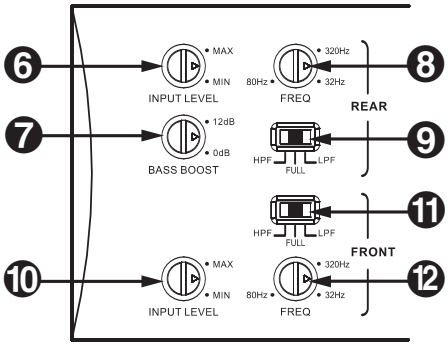


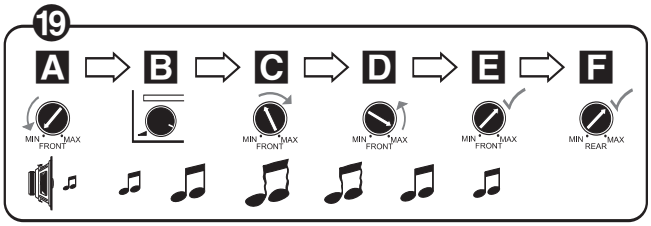

4x
3x
1x
1x
3a

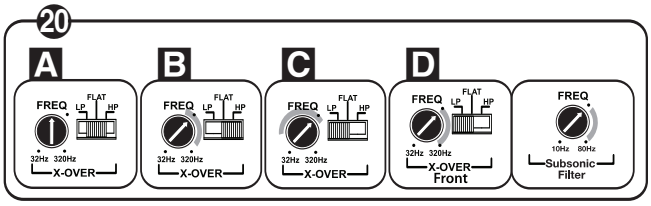

INPUT LEVEL
FREQ
REAR
BASS BOOST
FRONT
KAPPA
4
5


3
2
1
GND
REM
+12V
REAR
FRONT
FUSES 40AX2


13
14
15
16
17
18
KAPPA FOUR
INPUT SELECT
REAR
FRONT
SUB
STEREO
RIGHT
LEFT
REAR
FRONT


6
7
8
9
10
11
12
INPUT LEVEL
BASS BOOST
FREQ
REAR
FRONT


19
A
B
C
D
E
F


20
A
B
C
D
FREQ
FLAT
X-OVER
X-OVER Front
Subsonic Filter

Installation Warnings and Tips

- Disconnect the negative (–) lead from your vehicle's battery.
- At the installation sites, locate and make a note of all fuel lines, hydraulic brake lines, vacuum lines and electrical wiring. Use extreme caution when cutting or drilling in and around these areas.
- Choose a safe mounting location away from moisture.
- Make sure there is sufficient air circulation at the mounting location for the amplifier to cool itself.
- Mount the amplifier, using the supplied hardware.

Specifications

- 125W RMS x 4 channels @ 4 ohms <1% THD + N*
- 150W RMS x 4 channels @ 2 ohms <1% THD + N*
- Total peak power: 1200W
- Frequency response: 10 to 75kHz (-3dB)
- Maximum input signal: 6V*
- Maximum sensitivity: 200mV*
- THD + N: 0.05%
- Signal-to-noise ratio: 85dBA (reference to 1 watt)
- Signal-to-noise ratio: 106dBA (reference to rated power)

* CEA-2006A-compliant

❶ Speaker Output Connectors

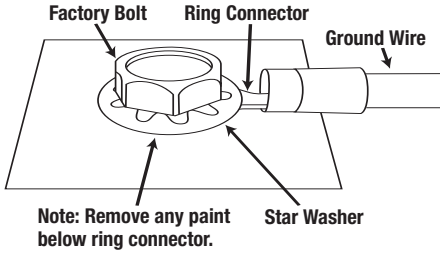
- Connect the speakers to these terminals, observing proper polarity. Gold screws indicate +, and silver screws indicate –.
  - Four-channel operation: Connect the front left speaker to the Front L+ and L– terminals, and the front right speaker to the Front R+ and R– terminals. Repeat for the rear speakers, using the Rear L+ and L– terminals, and the Rear R+ and R– terminals.
  - Three-channel operation: Connect the stereo speakers to the Front terminals, as above. Connect the single speaker into which the amplifier's rear channels will be bridged to the Rear terminals marked "B."
  - Two-channel (bridged) operation: Connect one speaker to the Front terminals marked "B." Connect the other speaker to the Rear terminals marked "B."
- Minimum speaker impedance for stereo operation is 2 ohms. Minimum speaker impedance for bridged operation is 4 ohms.

❷ Fuses

- Replace only with the same type and rating.

❸ Power Input Connectors

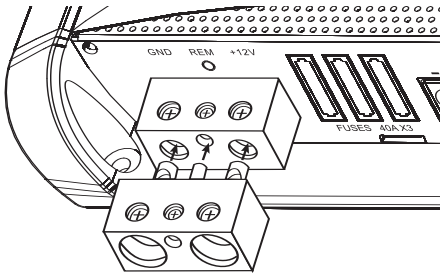
- +12V: Connect to the positive terminal of the vehicle's battery. Install an appropriate fuse holder and fuse (120A minimum) within 18" (457mm) of the battery. Make sure the wire is not damaged or pinched during installation. Install protective grommets when routing wires through the firewall or other sheet metal.
- GND: Connect to the vehicle's chassis. Refer to the illustration below.



- REM: Connect to the "Remote Out" lead from the source unit or to a source of switched +12V (ACC).

❸a 4 AWG Adapter

- For power wire longer than 4' (1.2m), 4 AWG wire is recommended. Use the adapter to make the connection according to the illustration below.



❹ Protect LED

- Illuminated under any of the following fault conditions: battery over/under voltage, short circuit in speaker wires, amplifier is too hot, amplifier's output circuit has failed (DC voltage present in the amplifier's output).

❺ Power-On LEDs

- Illuminated when the amplifier is on.

❻ Rear Input-Level Control

- Used to match the rear input level of the amplifier to the output level of the source unit.
- See ⓳ for adjustment procedure.

❼ Bass-Boost Control

- Add as much as 12dB of boost at 50Hz to the rear speakers by turning this control clockwise. Adjust according to personel preference.

❽ Rear Crossover-Frequency Control

- 12dB/Octave crossover, variable from 32Hz to 320Hz. See ⓴ for the adjustment procedure.

❾ Rear Crossover-Filter Selector

- LP: Select for subwoofer(s) or to provide a low-pass filter for separate mid-bass speakers. The subsonic filter will provide a high-pass filter for separate mid-bass speakers.
- FULL: Select for full-range speakers when no subwoofer will be used in the system.
- HP: Select for midrange speakers or full-range speakers when a subwoofer is used in the system.

❿ Front Input-Level Control

- Used to match the front input level of the amplifier to the output level of the source unit.
- See ⓳ for adjustment procedure.

⓫ Front Crossover-Filter Switch

- LP: Select for subwoofer(s).
- FLAT: Select for full-range speakers when no subwoofer will be used in the system.
- HP: Select for midrange speakers or full-range speakers when a subwoofer is used in the system.

⓬ Front Crossover-Frequency Control

- 12dB/Octave crossover, variable from 32Hz to 320Hz. See ⓴ for the adjustment procedure.

⓭ Rear Input Connectors (RCA)

- Connect to rear RCA outputs from the source unit, or signal processor.

⓮ Input Assignment Switch

- FRT: Sends the RCA front stereo signal to the amplifier's inputs.
- REAR: Sends the RCA rear stereo signal to the amplifier's inputs.
- SUB: DO NOT USE

⓯ Rear Channel-Assignment Switch

- Determines the routing of the input signal for the RCA.
  - LEFT: Sends the input signal from the left input to both rear amplifier channels. Useful if you are bridging the amplifier to drive only two speakers.
  - STEREO: Sends the signals from the left input to the left rear output channel and the signal from the right input to the right rear output channel. (This is typical operation mode.)
  - RIGHT: Sends the input signal from the right input to both rear output channels. Useful if you are bridging the amplifier to drive only two speakers.

⓰ Front Channel-Assignment Switch

- Determines the routing of the input signal for the RCA.
- LEFT: Sends the input signal from the left input to both front amplifier channels. Useful if you are bridging the amplifier to drive only two speakers.
- STEREO: Sends the signals from the left input to the left front output channel and the signal from the right input to the right rear output channel. (This is typical operation mode.)
- RIGHT: Sends the input signal from the right input to both front output channels. Useful if you are bridging the amplifier to drive only two speakers.

⓱ Input Assignment Switch

- FRT: Sends the RCA front stereo signal to the amplifier's inputs.
- REAR: Sends the RCA rear stereo signal to the amplifier's inputs.
- SUB: DO NOT USE

⓲ Front Input Connectors (RCA)

- Connect to front RCA outputs from the source unit or signal processor.

⓳ Setting Gain (Input Level)

A Turn all Gain controls counterclockwise to MIN (minimum).

B With a dynamic music track playing, turn the head unit's volume control to the 3/4 position.

C Turn Front Gain control clockwise until the music is so loud that it no longer sounds clear (distortion is present in the output).

D Turn Front Gain control counterclockwise gradually, just until the music sounds clear, once again.

E Front Gain is now adjusted correctly.

F Adjust Rear Gain control so that the level of the rear speakers is proportionate to the level of the front speakers, according to your preference.

⓴ Setting the Crossover

A Crossover setting for 5" or larger full-range speakers when no subwoofer is included in the system.

B Crossover setting for full-range speakers when a subwoofer is included in the system.

C Crossover setting for subwoofers.

D Crossover setting for separate mid-bass speakers driven by channels that include a Subsonic Filter Control.

Note: Acceptable frequency ranges indicated in gray.

This product is designed for mobile applications and is not intended for connection to the mains.

A valid serial number is required for warranty coverage.

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

Declaration of Conformity

CE

We, Harman Consumer Group, Inc.
2, route de Tours
72500 Château du Loir
France

declare in own responsibility that the product described in this owner's manual is in compliance with technical standards:

EN 61000-6-3:2001
EN 61000-6-1:2001

Klaus Lebherz
Harman Consumer Group, Inc.
Château du Loir, France 8/08

Harman Consumer Group, Inc., 250 Crossways Park Drive, Woodbury, NY 11797 USA

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