



Kappa Class D amplifiers: Unravel Sound. Unleash Pure Audio

Kappa mono and full-range, multi-channel amplifiers deliver the efficiency and power you expect from Class D amps—and the performance you expect from Infinity. Each model in the lineup will accept both high-level or low-level inputs, allowing the Infinity amplifiers to be added to virtually any car audio system, including factory installed systems. The 2-, 4- and 5-channel amplifiers offer Bluetooth® audio streaming, exclusive Clari-Fi™ music restoration technology that analyzes and improves the audio quality of compressed files in real time, a multi-pairing Party Mode that lets anyone in the car stream music, and a cabin-mounted control panel. Kappa amplifiers give you the power to shape your car audio experience in new ways.

Features

- ▶ Bluetooth audio streaming and telephony support
- ▶ Clari-Fi™ audio restoration technology
- ▶ Party Mode wireless pairing
- ▶ Cabin-mounted control panel
- ▶ Class D amplification
- ▶ Full-range line outputs
- ▶ Upgradable firmware
- ▶ ADAS Input
- ▶ DBO™ (Dynamic Bass Optimizer)
- ▶ Sleek design



Bluetooth audio streaming and telephony support

The three full-range, multi-channel Kappa amplifiers (K2, K4, and K5 models) feature Bluetooth connectivity for wireless audio streaming from phones and other devices. You can receive phone calls through your car audio system, just by touching a button on an included control panel.

Clari-Fi™ audio restoration technology

Clari-Fi™, a proprietary DSP technology is incorporated in the K2, K4, and K5 amplifiers, analyzes music files and improves highly compressed digital music files in real time. A predictive algorithm restores audio content that is discarded in the compression process. Clari-Fi™ works with all playback devices and audio sources. It extends high-frequency bandwidth, restores the natural warmth of vocals and widens the sound stage. In short, Clari-Fi™ gives your digital music back its soul.

Party Mode wireless pairing

The K2, K4, and K5 amplifiers offer Party Mode, a multi-pairing capability that enables Bluetooth devices to stream audio individually. When Party Mode is selected from the cabin-mounted control panel, anyone in the car can drive the music.

Cabin-mounted control panel

The K2, K4, and K5 multi-channel amps come with a wired control panel that incorporates an omnidirectional microphone and puts a range of functions at your fingertips. You can activate Bluetooth pairings, accept and end phone calls, select Party Mode and cancel Clari-Fi™.

Class D amplification

Every Kappa amplifier, including the full-range models, is a Class D. These high-efficiency, low-heat amps generate a lot of power without drawing much current, and feature small footprints.

Full-range line outputs

The full-range Kappa amplifiers (K2, K4, and K5) include full-range line outputs. This enables them to pass the audio signal to additional amps that power subwoofers, increasing your system configuration options.

Upgradable firmware

Kappa amplifiers incorporate a mini-USB port that enables you to easily upgrade firmware.

ADAS Input

The full range Kappa amps feature an ADAS input which overrides the audio signal when connected to ADAS accessories. In addition, ADAS alert routing location can be assigned during amplifier setup using the panel mounted control.

DBO™ (Dynamic Bass Optimizer)

Kappa amps feature a subsonic filter in with variable frequency and Q. For sealed enclosures, set the Frequency Control to 35Hz, and then adjust the Boost Control to your preference. For vented enclosures, set the Frequency Control to 10Hz below the port tuning, then adjust the Boost control to your preference.

Sleek design

Sometimes, an amp can be as stylish as it is powerful. With brushed steel and screwdriver access concealed by a magnetically attached panel, Kappa amplifiers have a clean, streamlined industrial design.

What's in the Box

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|---|----------------|
| 1 amplifier | 2 spare fuses |
| 1 cabin-mounted control panel (K2, K4, and K5 only) | Owner's manual |

Product specifications:

K2

High Performance 2-Channel Full Range Car Audio Power Amplifier

- ▶ Max Power: 700W Peak
- ▶ Power Output, 4Ω: 100Wrms x 2, <0.1% THD+N
- ▶ Power Output, 2Ω: 120Wrms x 2, <0.1% THD+N
- ▶ Power Output, 4Ω Bridged: 240Wrms x 1, <0.3% THD+N
- ▶ Signal-to-Noise Ratio: >75dB (ref 1W output @ 4Ω)
- ▶ Bluetooth® Audio Streaming
- ▶ Clari-fi™ Music Restoration Technology
- ▶ Party Mode allows sharing of streaming content
- ▶ Cabin Controls and Telephone Integration
- ▶ High Efficiency, Low Distortion Class D Design

K4

High Performance 4-Channel Full Range Car Audio Power Amplifier

- ▶ Max Power: 1500W Peak
- ▶ Power Output, 4Ω: 100Wrms x 4, <0.1% THD+N
- ▶ Power Output, 2Ω: 120Wrms x 4, <0.1% THD+N
- ▶ Power Output, 4Ω Bridged: 240Wrms x 2, <0.3% THD+N
- ▶ Signal-to-Noise Ratio: >75dB (ref 1 W output @ 4Ω)
- ▶ Bluetooth® Audio Streaming
- ▶ Clari-fi™ Music Restoration Technology
- ▶ Party Mode allows sharing of streaming content
- ▶ Cabin Controls and Telephone Integration
- ▶ High Efficiency, Low Distortion Class D Design

K600

High Performance Mono Car Audio Subwoofer Amplifier

- ▶ Max Power: 1500W Peak
- ▶ Power Output, 2Ω: 600Wrms x 1, <0.1% THD+N
- ▶ Power Output, 4Ω: 380Wrms x 1, <0.1% THD+N
- ▶ Signal-to-Noise Ratio: >80dB (ref 1W output @ 2Ω)
- ▶ High-Efficiency, Low Distortion Class D Design
- ▶ Noise-Rejecting Differential Inputs
- ▶ Active LPF, variable 32 – 320Hz
- ▶ Variable Line-Level and Speaker-Level Inputs (0.2 to 20V input range)

K1000

High Performance Mono Car Audio Subwoofer Amplifier

- ▶ Max Power: 2600W Peak
- ▶ Power Output, 2Ω: 1000Wrms x 1, <0.1% THD+N
- ▶ Power Output, 4Ω: 700Wrms x 1, <0.1% THD+N
- ▶ Signal-to-Noise Ratio: >80dB (ref 1W output @ 2Ω)
- ▶ High-Efficiency, Low Distortion Class D Design
- ▶ Noise-Rejecting Differential Inputs
- ▶ Active LPF, variable 32 – 320Hz
- ▶ Variable Line-Level and Speaker-Level Inputs (0.2 to 20V input range)

K5

High Performance 5-Channel Car Audio System Amplifier

- ▶ Max Power: 2300W Peak
- ▶ **Full Range Channels**
Power Output, 4Ω: 75Wrms x 4, <0.1% THD+N
Power Output, 2Ω: 100Wrms x 4, <0.1% THD+N
Power Output, 4Ω Bridged: 200Wrms x 2, <0.3% THD+N
Signal-to-Noise Ratio: >75dB (ref 1W output @ 4Ω)
- ▶ **Subwoofer Channel**
Power Output, 2Ω: 350Wrms x 1, <0.1% THD+N
Power Output, 4Ω: 200Wrms x 1, <0.1% THD+N
Signal-to-Noise Ratio: >80dB (ref 1W output @ 2Ω)
- ▶ Bluetooth® Audio Streaming
- ▶ Clari-fi™ Music Restoration Technology
- ▶ Party Mode allows sharing of streaming content
- ▶ Cabin Controls and Telephone Integration
- ▶ High Efficiency, Low Distortion Class D Design