



KENWOOD
STEREO FOR YOUR CAR

KAC-727

STEREO MAIN AMPLIFIER

KAC-801

STEREO MAIN AMPLIFIER

**The Kenwood Stereo Power Amplifiers: total flexibility
and state-of-the art hi-fi for the car stereo sound system.**

For anyone who is installing a complete sound system in a car, van or boat, the KAC-801 or KAC-727 offer optimum flexibility. The amplifiers can separately drive individual speaker systems, or they can be used in a system with a cassette-

receiver that drives front speakers. Whatever the arrangement, the result will be the outstanding high-fidelity sound that audiophiles expect from Kenwood.



Why power is useful

Designing amplifiers with such high power output might seem like overkill where the automobile is concerned. With relatively efficient speakers working into such small acoustic volumes, amplifiers of 20 or 70 watts per channel output would appear to deliver ear-shattering power. But in this case the same principles apply as with home hi-fi: a high reserve of power is needed whenever the music demands it. Whether the driver's taste is exclusively classical or runs to disco or rock-and-roll, there are always passages that need extra power to deliver the rich, full sound quality dictated by the music. Unlike home high-fidelity systems, hi-fi on wheels has some special problems of its own. For example, reproduced music often has to compete with external noise, especially if the windows are down. Perhaps more importantly for the driver who looks on the automobile as a private music sanctuary that is totally free of the normal restrictions on volume imposed by family or neighbors, the power amplifier

provides the ultimate in musical luxury, by feeding each speaker pair with its own signal drive. Used in such a customized sound system, there is no better way to obtain the most impressive hi-fi sound inside your vehicle.

The KAC-727, with 20 watts per channel output before clipping

This under-dash or separate mounted amplifier delivers a punch of 15 watts high-fidelity power per channel, over a range of 50Hz—20kHz at no more than 1% total harmonic distortion, with output reaching 20 watts under normal driving conditions when the alternator is running. The unit offers flexibility in building a system, since it can be used with a cassette-receiver, or two units can drive front and rear speakers. Built using a monolithic ICs design derived from Kenwood's extensive specialist knowledge of power amplifier construction, the KAC-727 is designed to maintain its high level of performance even under difficult conditions such as extremes of temper-

atures. Naturally, full circuit and speaker protection is built-in.

The KAC-801, with 70 watts per channel

The ultimate in automotive power amplifiers is the KAC-801, packing a punch of 50 watts per channel across the range of 50Hz—20kHz at no more than 1% total harmonic distortion, reaching 70 watts at normal driving speeds. To obtain this output from the 12-volt car battery, a special dc/dc converter is incorporated, together with an efficient electronic fault protection circuit that affords total protection for all circuits and speakers against wiring shorts or overloads. The KAC-801 is intended mainly for remote installation, such as in the trunk; for this reason there is only a single red LED on its fascia to indicate power status. However, its slender size at just under 2-3/4 inches means that it can also be effectively mounted under a seat. With the KAC-801, high-fidelity inside the car reaches the state-of-the art.

SPECIFICATIONS

AUDIO AMPLIFIER SECTION

	KAC-727	KAC-801
*Power Output.....	15 Watts per channel into 4 ohms from 50Hz to 20kHz with 1% total harmonic distortion.	50 Watts per channel into 4 ohms from 50Hz to 20kHz with 1% total harmonic distortion.
*Total Harmonic Distortion	0.06% (At 1kHz, 4 Watts)	0.05% (At 1kHz, 5 Watts)
*Frequency Response.....	20Hz to 70kHz, -3dB	20Hz to 70kHz, -3dB
*Signal to Noise Ratio	90dB	90dB
*Sensitivity.....	22mV for 1W output	18mV for 1W output
*Minimum Input Impedance	7k ohms	10k ohms

GENERAL

Operation Voltage	DC 13.8V (11—16V Allowable) Negative Ground	DC 13.8V (11—16V Allowable) Negative Ground
Current Consumption	4A	100mA (Idle), 20A (Full Power)
Dimensions (W×H×D)	170×54×165mm (6-11/16"×2-1/8"×6-1/2")	295×70×176mm (11-5/8"×2-3/4"×6-15/16")
Body Size (W×H×D)	150×50×150mm (11-5/8"×2-3/4"×6-15/16")	295×70×176mm (11-5/8"×2-3/4"×6-15/16")
Weight.....	1.1kg (2.4lbs.)	2.8kg (6.2lbs.)
*Car Stereo Manufacturers Ad Hoc Committee Specification		

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

A product of

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