



KENWOOD
STEREO FOR YOUR CAR

KGC-747

GRAPHIC EQUALIZER

KGC-737

GRAPHIC EQUALIZER WITH AMPLIFIER

The Kenwood Graphic Equalizers: custom sound-shapers for the ultimate car stereo system.

The wide variations in frequency response inside the acoustic capsule of the car make it difficult to obtain good high-fidelity sound. But, by using a Kenwood Graphic Equalizer, the driver can smooth out the exaggerations in response and tailor the sound precisely to his liking. With the

sliders arranged in a continuous curve, the driver has a visual response curve, and can see at a glance what zones have been corrected. With or without built-in power amplifiers, the KGC-747 and KGC-737 offer the ultimate in car stereo system flexibility.



The Graphic Equalizer lets the driver control the response

Because of both hard and soft surfaces inside the car, certain frequencies are reflected or absorbed, becoming peaks or valleys in the frequency response curve that are heard as either over-bright or dull tones. To compound the problem, speaker placement is often less than ideal: floor and door mounted speakers usually aim the directional high-frequency tones at legs or elbows. Moreover, the entire egg-like interior produces its own low resonant frequency that can exaggerate a particular bass frequency. The only truly effective way to obtain a balanced and uniform frequency response across the entire audible spectrum is with an equalizer. For the dedicated audiophile, Kenwood Graphic Equalizers, one of them with its own built-in power amplifiers, offer you a custom-tailored frequency response in the car similar to what you might hear at home.

The KGC-737 with built-in power amplifiers

The KGC-737 performs exactly the same frequency response tailoring as the KGC-747, but includes four built-in power amplifiers for driving two pairs of speakers. Frequency contouring is done at a low level, prior to amplification. Power ratings are 5 watts per channel for one stereo pair, 15 watts for the other, maintaining high-fidelity specifications of less than 1% total harmonic distortion across the designated frequency range. Maximum power output respectively, reaches 6 watts per channel and 20 watts per channel when the car's alternator is running, showing that you can fill the car with an impressive power output of no less than 52 watts! Naturally, with all that power, all circuits, and especially the delicate tweeters, are fully protected. And, as you would expect from Kenwood, the unit will maintain its high performance even in severe temperature extremes. If you're looking for total flexibility and high-fidelity in a car sound system, the

Kenwood Graphic Equalizer is the essential component.

The KGC-747

This unit divides the audio spectrum into seven narrow bands of 1 or 1-1/2 octaves to allow precise response correction. Each band is controlled by a ± 12 dB boost or cut, a total of 24 dB per band, which is more than enough to compensate for any exaggerations or deficiencies. It has stereo inputs, plus stereo outputs to drive a pair of stereo power amplifiers. A Fader control is provided to adjust front-to-rear speaker output. For a quick aural test and comparison of corrected and uncorrected response, especially for setting-up purposes, the volume control can be pushed in to activate a "through" circuit that obtains instant flat response. A thoughtful feature is that when the "through" circuit is activated, the volume control illumination disappears. The KGC-747 is designed for under-dash location and fits in the signal chain between cassette-tuner and amplifiers.

SPECIFICATIONS

	KGC-737	KGC-747
EQUALIZER SECTION		
*Equalizer Action	± 12 dB at 60Hz, 150Hz, 400Hz, 1kHz, 2.5kHz, 6kHz and 12kHz	± 12 at 60Hz, 150Hz, 400Hz, 1kHz, 2.5kHz, 6kHz, and 12kHz
*Frequency Response	20Hz to 70kHz, -3dB (at defeat)	20Hz to 70kHz, -3dB (at defeat)
Total Harmonic Distortion	0.02%	0.02% (at 300mV output, 1kHz)
Signal to Noise Ratio	85dB	85dB
*Sensitivity	44mV for 1W output (Front) 22mV for 1W output (Rear)	1V, 20Hz to 50kHz, 1k ohms load
*Minimum Input Impedance	20k ohms	20k ohms
AUDIO AMPLIFIER SECTION		
*Power Output		
(Rear)	15 Watts per channel into 4 ohms from 50Hz to 20kHz with 1% total harmonic distortion.	
(Front)	5 Watts per channel into 4 ohms at 1kHz with 1% total harmonic distortion.	
GENERAL		
Operation Voltage	DC 13.8V (11-16V Allowable) Negative Ground	DC 13.8V (11-16V Allowable) Negative Ground
Current Consumption	6A	
Dimensions (W x H x D)	170 x 50 x 165mm (6-11/16" x 2" x 6-1/2")	170 x 54 x 165mm (6-11/16" x 2-1/8" x 6-1/2")
Body Size (W x H x D)	150 x 50 x 150mm (5-15/16" x 2" x 5-15/16")	150 x 50 x 150mm (5-15/16" x 2" x 5-15/16")
Weight	1.5kg (3.3lbs.)	1.0kg (2.2lbs.)
		*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 TRIO-KENWOOD CORPORATION

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