

power mos fet

# HCA 7500 Mk II

Stereo control amplifier

With the HCA 7500 Mk II, recorded music can be accurately matched to other units in the Hi-Fi system, and to listening conditions, too. For matching to any moving-magnet cartridge, stepped switching provides load impedances of 22 k ohms, 47 k ohms and 100 k ohms. For moving-coil cartridges the load impedance is fixed at 100 ohms with a sensitivity setting of 0.1 mV.

The tone control amplifier has a direct-coupled configuration, FET Input, constant-current system, and a high-gain integrated circuit. Distortion in this circuit is almost too low to measure and, at 150 mV input, the signal-to-noise is an astounding 104 dB. The very comprehensive control system includes subsonic and high filters, a four-gang volume attenuator, a 20 dB muting switch, loudness compensation control, bass and treble controls which range  $\pm 8$  dB, and a reed relay muting circuit to protect amplifier and speakers from power surges.

HCA 7500 Mk II is compatible with most high power amplifiers.

# HMA7500 Mk II

Stereo power amplifier

Power MOS FET's, developed by Hitachi, give this amplifier its exceptional performance, characterised by extraordinary high fidelity, ample reserves of power to drive very large speakers, low noise and minimal distortion. For example, over the entire audible frequency range (20Hz-20kHz) at 2 x 75 watts (rms), distortion is a mere 0.005%.

Great care has been taken with every aspect of the circuit design to keep noise and distortion to the minimum; even to the extent of providing each channel with its own power rectification system to prevent transient crosstalk through the power supply. The two, fast-rise, peak level meters are calibrated in watts and decibels. Because they cover an unusually wide range, sensitivity switching is not required.

HMA 7500 Mk II is compatible with most high quality pre-amplifiers.

## HCA 7500 Mk II

Input sensitivity	2.5 mV/22k, 47 k, 100 k ohms
Phono MM	0.1 mV/100 ohms
Phono MC	150 mV/47k ohms
Tuner, aux, tape	PRE out 1V/600 ohms Tope out 150 mV/600 ohms
Output level	Phono MM 91 dB
Signal-to-noise	(20 Hz-20 kHz) 0.005%
THD	
Tone controls	
Bass	$\pm 8$ dB
Treble	$\pm 8$ dB
Loudness	$\pm 8$ dB (50Hz), - 3 dB (10 kHz)
Low filter	15 Hz (6 db/oct)
Power requirement	220-240 VAC. 50 Hz
Size (WHD)	435 x 83 x 292 mm approx
Weight	4.5 kg approx

## HMA 7500Mk II

RMS power output	75 watts per channel at 8 ohms, from 20 Hz-20J(Hz)
THD	Better than 0.005%
Frequency response	0.5 Hz-100 kHz (+0-1dB)
Input sensitivity/impedance	1V/47 k ohms
Signal-to-noise	118 dB
Damping factor	100 (1 kHz) 60 (20 Hz-20 kHz)
Power requirement	220-240 V. AC, 50 Hz
Size (WHD)	435 x 165 x 320 approx
Weight	14.0 kg approx



Perfect partners! The HCA 7500 MkII, the HMA 7500 Mk II, and the FT 5500 tuner (see page 12) are perfectly matched units – aesthetically and electronically.



Loud and Proud

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