

 **KENWOOD**
AM/FM STEREO RECEIVER

KR-7400



Live Performance Sound



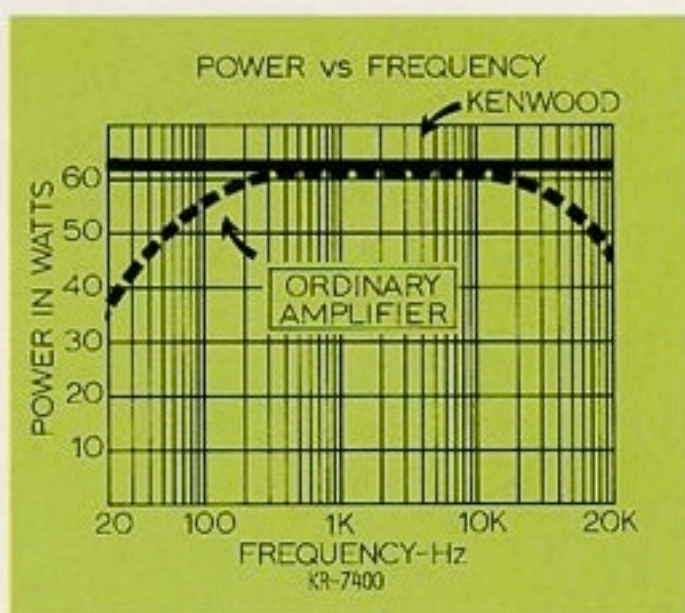
KENWOOD

KR-7400

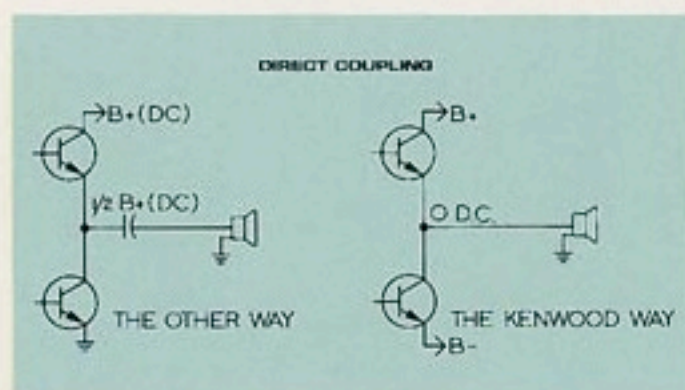
The KENWOOD KR-7400 is the first stereo receiver to fully meet the critical objectives of the most demanding audiophile. It has the power to drive the hungriest speaker systems in existence with watts to spare. No compromise with flexibility, either. There's plenty of room to accommodate an expansive stereo system with the KR-7400's elaborate control center. And as for the tuner section . . . KENWOOD's reputation for creating some of the finest tuners in the world is well justified by the superb FM and FM-stereo reception. In fact, throughout its sophisticated design, from preamp, to power amp to tuner, the KR-7400 surpasses the most critical standards of performance.

A Meaningful Power Output Rating. Traditionally, Kenwood products have been conservatively rated. The powerful new KR-7400 is no exception. Measured with both channels operating into 8-ohm loads, this rock-steady receiver produces 63 undistorted RMS watts per channel at *any* frequency — from 20 Hz to 20,000 Hz. Translated to more typically quoted power output ratings, the KR-7400 could boast a total dynamic or music power (IHF) rating of 290 watts at 4-ohm loads.

However, audiophiles are not fooled by such technical double-talk. They want to know the *true* RMS (Root Mean Square) power, stated in terms of frequency across the entire audio range.

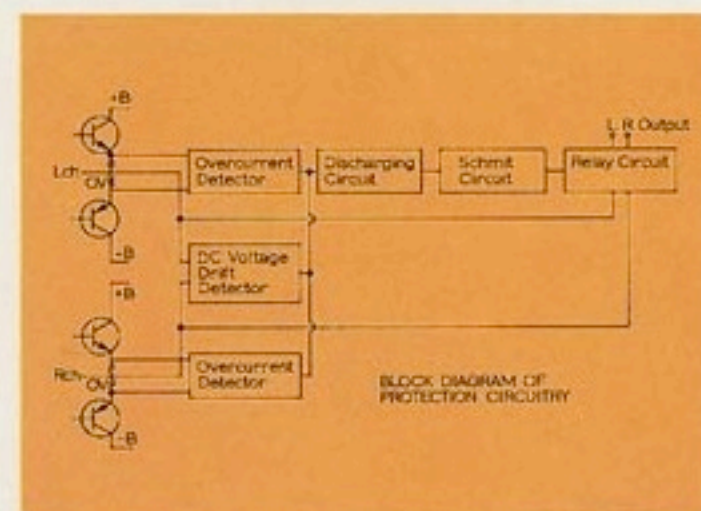


Direct-coupled, Pure Complementary Symmetry Output Circuitry. Nothing comes between you and your music with Kenwood's direct coupled circuitry. Flat frequency

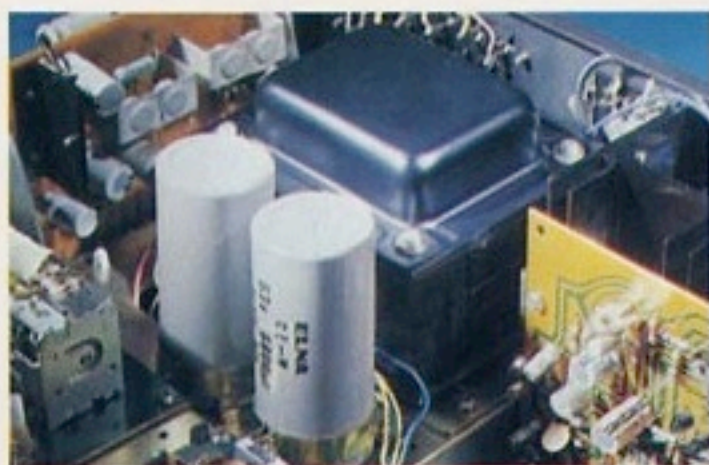


response from ultra-lows to highest highs is assured at all power levels up to rated output.

Exclusive ASO Dual Protection Circuit protects both your speaker system and your receiver. Should the "area of safe operation" be exceeded, an instant-acting relay disengages the speakers.



Large Power Transformer—Oversize Heat Sinks. Kenwood's massive power transformer forms the heart of a dual positive-negative supply to symmetrically power the high output transistor stages. These are mounted on massive heat sinks for safe, cool operation even under conditions of continuous full power output. This no-compromise design assures years of stable, trouble-free performance.



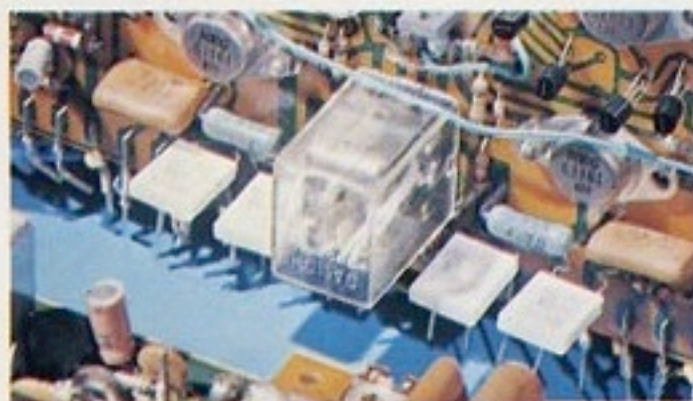
Three Speaker System Capability.

The KR-7400 lets you enjoy stereo in as many as three separate listening areas of your home. Listen to any one speaker system or activate two systems at once with a touch of the front panel selector switch. A front panel headphone jack adds another listening dimension.



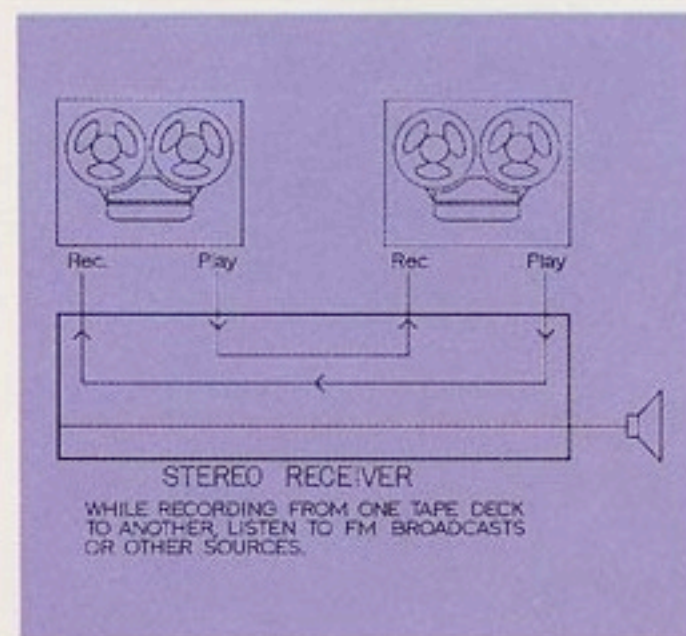
An Advanced New Preamplifier. The precision equalizer-phono preamplifier section of the KR-7400 uses low-noise metal encapsulated transistors for the ultimate in signal-to-noise ratio and reliability. With phono

input sensitivity of 2.5 mV, up to 330 mV (P-P) of input signal can be accommodated at less than 0.3% THD. Mic input facilities on the front panel are equally noise-free and low in distortion.

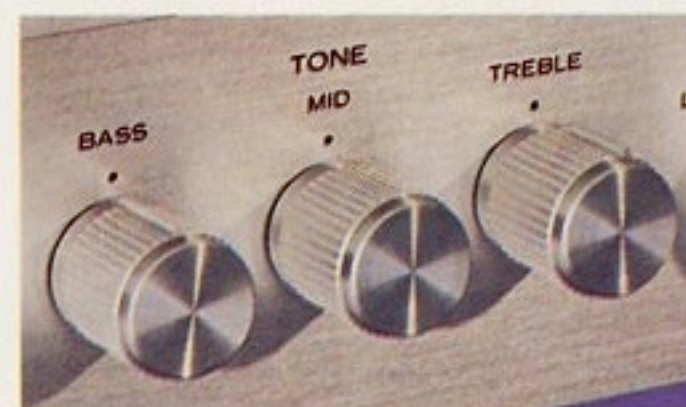


Kenwood's Tape-through Circuitry.

The KR-7400's ingenious taping circuitry permits tape-to-tape dubbing while you listen to your favorite FM station or any other program source at the same time. It's like having two stereo systems in one.



Triple Tone Controls. In addition to the usual Bass and Treble controls, the KR-7400 includes a unique Mid-range control, providing full range tonal compensation for room acoustics, speaker characteristics and program source variations. The circuitry uses three IC's in a negative feedback configuration for lowest distortion and instantly repeatable settings of all three tone controls.



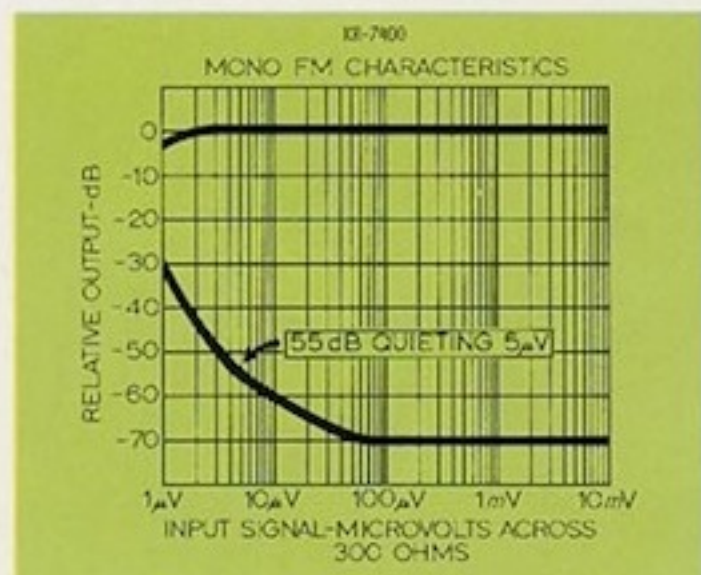
SOLID STATE AM/FM STEREO RECEIVER KR-7400



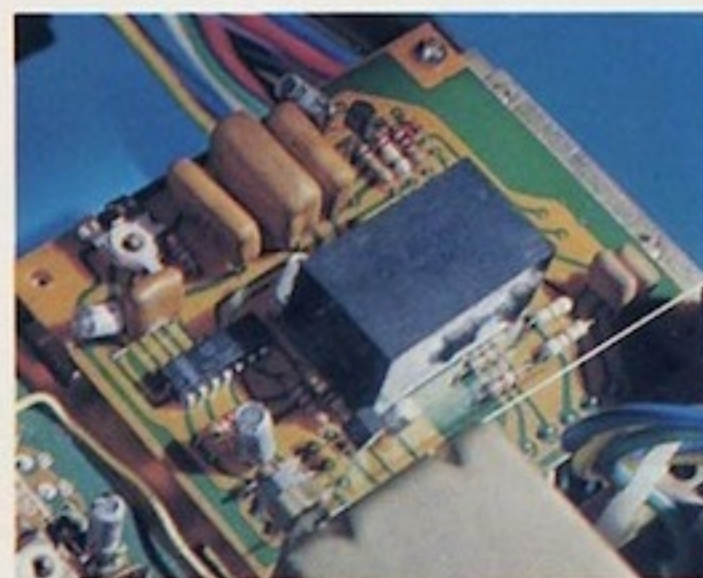
Linear FM Dial Scale. A linear-frequency variable capacitor permits the FM dial scale to be equally calibrated over its full span from 88 to 108 MHz. Combined with large signal and tuning meters, it adds up to effortless and more accurate tuning.



Exceptional Tuner Performance. The tuner of the KR-7400 is a notable achievement in itself. It reaches the theoretical limits in sensitivity ($1.7 \mu\text{V}$) with an unusually sharp quieting slope to assure noiseless and distortion-free reception.



Phase-Lock-Loop Multiplex Decoder. A multi-function IC, used in the stereo decoder section, operates on the phase-lock-loop principle to insure uniform separation at all audio frequencies. (Better than 40 dB at 1k Hz; better than 30 dB at all frequencies up to 10k Hz.) A newly designed LC filter effectively reduces beat interference and intermodulation distortion normally caused by carrier leakage.



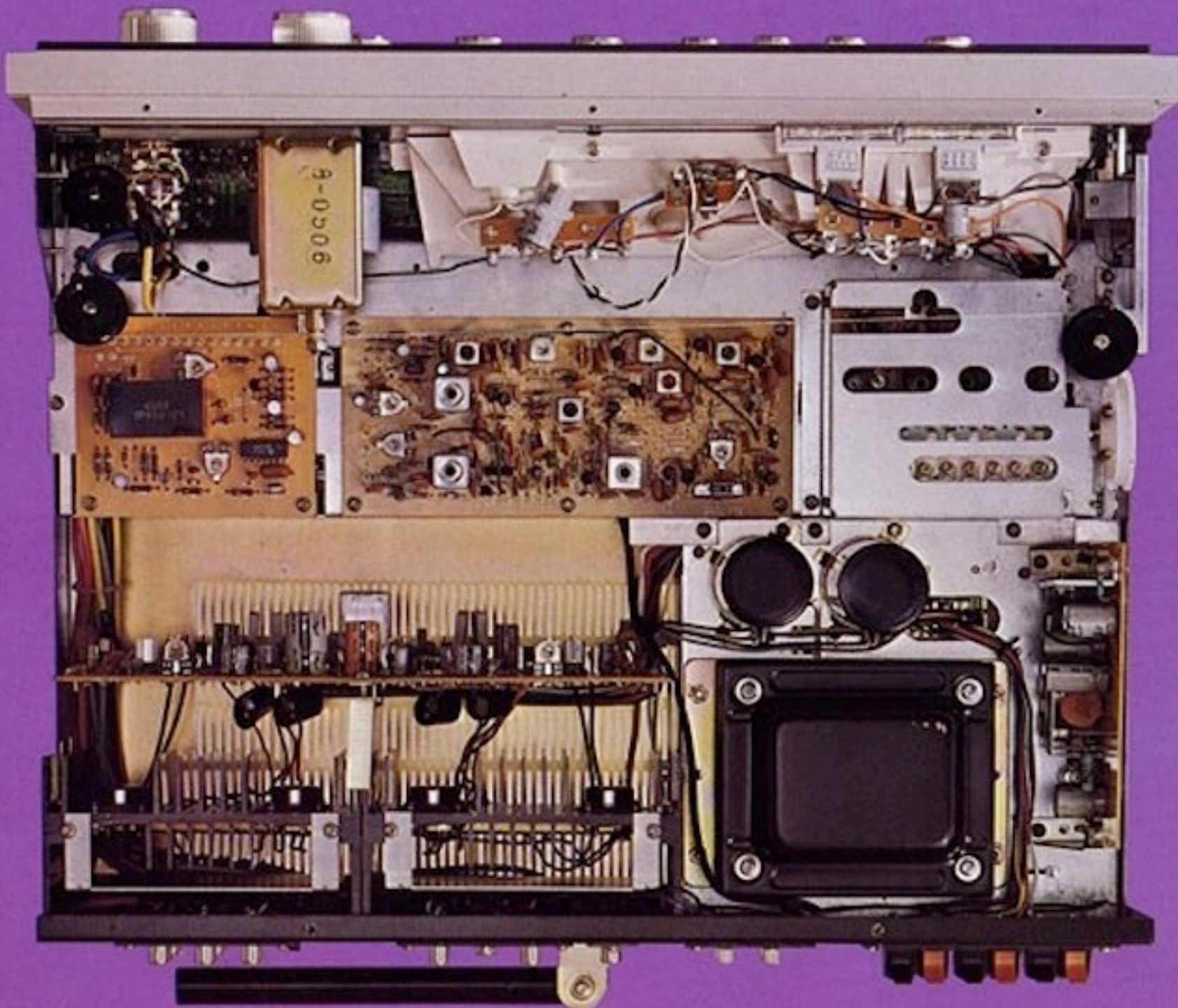
FM IF Stages. The IF section of the KR-7400 is equipped with permanently aligned solid state filters for high selectivity (80 dB), superb capture ratio (1.3 dB) and superior AM suppression (70 dB). Spurious signal rejection is more than 100 dB.

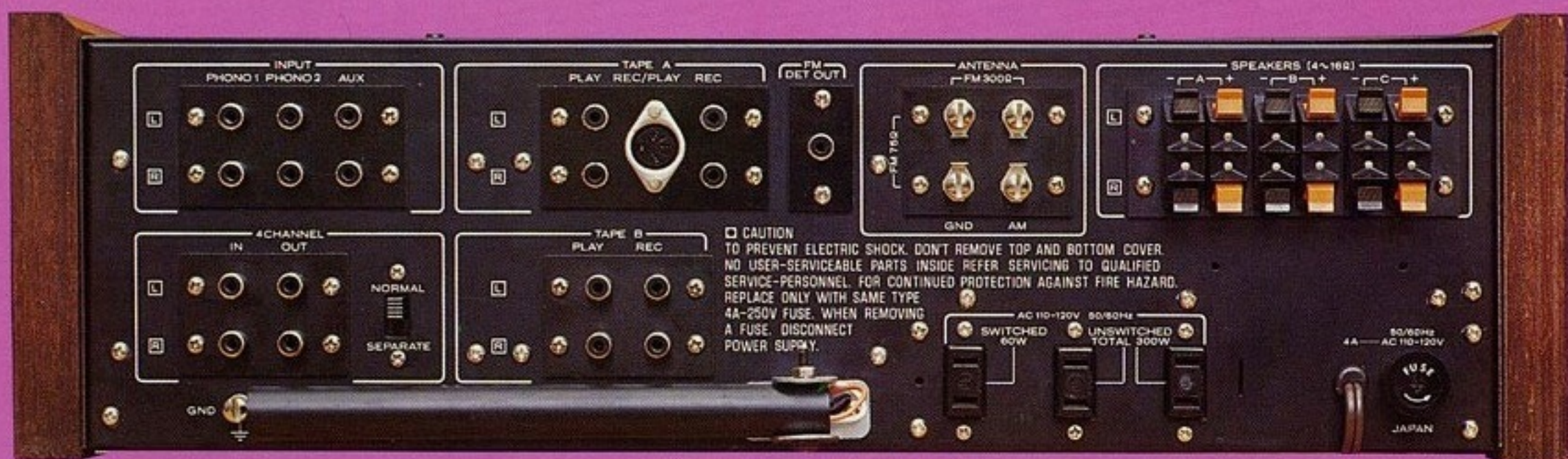


Four-channel Ready. Special inputs and outputs for connection of any four-channel decoder or adapter are provided on the KR-7400. When you are ready for quadraphonic sound, there will be no need to upset tape inputs or outputs. You retain full tape monitoring facilities for as many as two tape decks, plus the Tape-through feature. There's even a four-channel detector output for future discrete four-channel broadcasting when it's approved.



**THE ONLY ANSWER
FOR PURISTS WHO WANT
THE PERFORMANCE,
QUALITY AND RELIABILITY
OF SEPARATE
COMPONENTS IN ONE
INTEGRATED UNIT.**





KENWOOD KR-7400 AM/FM STEREO RECEIVER

SPECIFICATIONS:

FM Tuner Section

Usable Sensitivity (IHF)	1.7 μ V
Quieting Slope	55 dB @ 5 μ V
	60 dB @ 10 μ V
	70 dB @ 50 μ V
Signal-to-Noise Ratio	70 dB
Capture Ratio (IHF)	1.3 dB
Selectivity Alt. Ch. (IHF)	80 dB
Frequency Response (+0.5 dB, -1.5 dB)	20-15k Hz
Stereo Separation	
(at 1k Hz)	40 dB
(at 10k Hz)	30 dB
Harmonic Distortion (400 Hz, 100% Mod.)	
(Mono)	0.3%
(Stereo)	0.5%
Image Rejection Ratio	90 dB
IF Rejection Ratio	100 dB
Harmonic Spurious Rejection	100 dB
AM Suppression	70 dB
Sub-Carrier Suppression	60 dB
Antenna Impedance (Balanced)	300 ohms
(Unbalanced)	75 ohms

AM Tuner Section

Usable Sensitivity (IHF)	15 μ V
Signal-to-Noise Ratio	45 dB
Selectivity (IHF)	35 dB
Image Rejection Ratio	70 dB
IF Rejection Ratio	70 dB

Main Amplifier Section

Continuous Power Output (RMS)	
Both Channels Driven	
At 8 ohms, 20-20k Hz	63 + 63 watts
At 8 ohms, 1k Hz	65 + 65 watts
At 4 ohms, 1k Hz	75 + 75 watts
Power Output (IHF)	
8-ohm load	200 watts
4-ohm load	290 watts
Total Harmonic Distortion	
At Rated Power	0.3%
At 1/2 Rated Power (-3 dB)	0.07%
Intermodulation Distortion	
At Rated Power	0.3%
At 1/2 Rated Power	0.07%
Frequency Response, AUX Input (± 1 dB)	10-40k Hz
Power Bandwidth (IHF)	10-35k Hz
Damping Factor (at 8 ohms)	50

Preamplifier Section

Input Sensitivity/Impedance	
Phono 1 and Phono 2	2.5 mV/50k ohms
AUX and Tape Play A, B	150 mV/80k ohms
MIC	2.5 mV/50k ohms
Hum and Noise	
Phono 1, 2	70 dB
AUX and Tape	90 dB
MIC	65 dB
Output Voltage/Impedance	
Tape Record A, B (PIN)	150 mV/100 ohms
(DIN)	30 mV/80k ohms
Tone Controls	
Bass (at 100 Hz)	± 10 dB
Midrange (at 800 Hz)	± 10 dB
Treble (at 10k Hz)	± 10 dB
Loudness	
At 100 Hz	+8 dB
At 10k Hz	+5 dB
Filters (at 100 Hz)	-8 dB
(at 10k Hz)	-10 dB

Power Requirements

110/120V, 50-60 Hz
50W at no Sig
370W, full power

Dimensions (W x H x D)

19" x 6" x 13 1/2"

Weight

31 lbs.

The above specifications may be changed or modified without notice.

WARRANTY

KENWOOD receivers are guaranteed against all defects in material and workmanship and are guaranteed for two years for both parts and labor from date of original purchase.

This warranty does not apply to units which have been subjected to misuse, abuse, neglect, accident or improper installation, nor extend to units which have been repaired or altered by unauthorized agencies, nor to cases where the serial number has been removed, defaced or altered.

the sound approach to quality



KENWOOD

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