

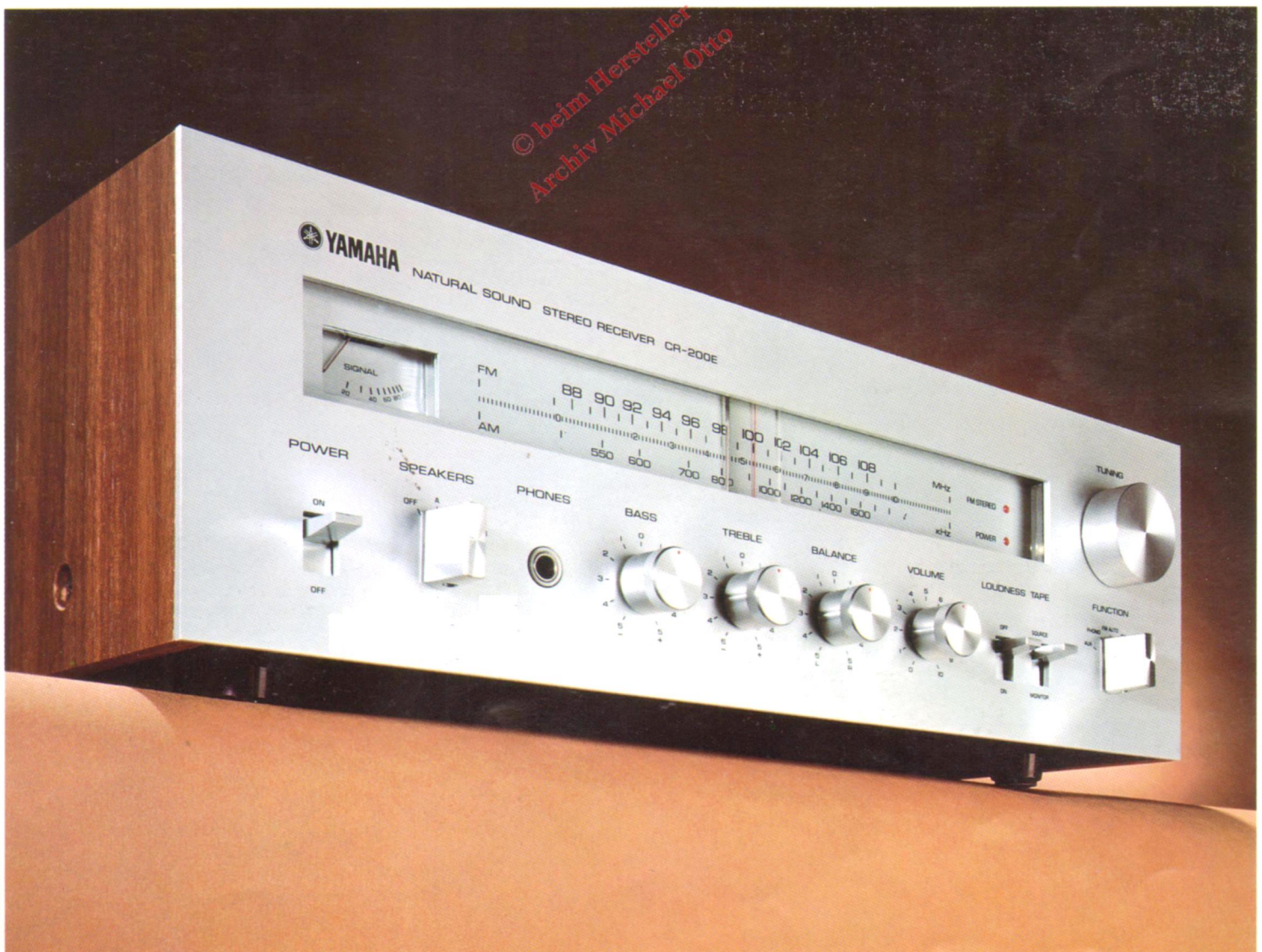
YAMAHA CR200E

Low-distortion AM/FM stereo receiver.
15 W/channel power. Sensitive FM tuner section
with FET design, IC type stereo demodulator.
Tape monitor and loudness switches.

Here's the choice for the stereo fan who wants great sound without the bother of a panel-full of controls to worry about. Designed with the same distinctive styling that has made its big brothers in the Yamaha receiver

line famous, the CR-200E boasts an impressively low 0.5% total harmonic distortion, plus a generous 15 W per channel RMS power (both channels driven at 8 ohms, 40-20,000 Hz). Yet its ideally balanced

controls assure no-fuss selection of any signal source, easy adjustment of tone and stereo balance. For distinctive eye-appeal the CR-200E's clean aluminum panel is complemented by a deluxe wood cabinet with American walnut finish.



Amplifier Section

A three-stage direct coupled IC equalizer pre-amp and 50 W dynamic power semi-complementary OTL main amp provide stable, distortion-free response without clipping dynamic sounds.

The control section uses negative feedback between collector and emitter in its two-stage direct coupled circuitry, to maintain an excellent signal-to-noise ratio. With the tone controls set to mid-point, response is amazingly clear and flat.

Tuner Section

Low-noise FET design, complemented by a three-ganged tuning capacitor, provides superb FM reception with 2.5- μ V

sensitivity, high spurious signal and IF rejection. ICs in the IF stage assure outstanding phase linearity and bandpass characteristics, and help to account for the CR-200E's over 60-dB selectivity, excellent capture ratio, AM rejection and better than 68-dB signal-to-noise ratio.

The multiplex demodulator also features IC circuitry for stable, sharp switching and clear FM stereo channel separation (more than 40 dB at 400 Hz). AM reception is also clear and sharp, thanks to a high-selectivity, low-distortion circuit design.

Versatility Controls

Dual Speaker System Selector

Connect two sets of

speakers. Then choose either set, or both, with the A, B, A+B selector.

Long-Life LED Indicator

One indicator lamp shows the power is on. The other tells you a stereo FM signal is tuned in (mono-stereo switchover is automatic).

Tape Monitor Switch

Use it to listen to cassette or open reel tapes. If you have a three-head tape deck or recorder, this switch lets you monitor the just-recorded signal.

One-Touch Speaker Connectors

Just push in the spring-loaded tab, insert the speaker lead and release the tab for a quick, sure connection.

Dual Tone Controls, Balance Control

Tuning Precision

The large tuning knob is complemented by a massive flywheel for smooth

handling and no backlash. It moves a quick-view hairline indicator across the linear dial scale, and works with the full-size signal strength meter for fast AM or FM station location. The selector FM stereo setting provides automatic switchover when a stereo signal is received (the FM stereo indicator lamp lights). In poor reception areas, use the Mono setting to cut background hiss and noise.

Loudness Switch

Compensates for the ear's reduced sensitivity to extreme bass and treble tones during low-volume listening. Boosts both ends of the frequency spectrum.

Dual FM Antenna Terminals

Special terminals for connecting a 75 Ω balanced or 300 Ω unbalanced antenna.



SPECIFICATIONS

AUDIO SECTION		Phono Max. Input Cap.		Total Harmonic Distortion (400 Hz)	
Dynamic Power (IHF, 8 ohms)	50 W	Aux, Tape PB	135 mV/50 k Ω	Mono	0.3%
Continuous RMS Power		Output Level/Impedance		Stereo	
40-20,000 Hz	15 + 15 W (both ch. driven, 8 ohms)	(rated power 1 kHz)	150 mV/10 k Ω	0.8%	
1 kHz (both channels driven)	16 + 16 W (8 ohms)	Tone Controls		Stereo Separation	
(each channel driven)	20 + 20 W (4 ohms)	Bass	50 Hz \pm 10 dB	40 dB (400 Hz)	
	18 + 18 W (8 ohms)	Treble	10 kHz \pm 10 dB	Freq. Response (\pm 1.0 dB)	
	25 + 25 W (4 ohms)	Signal-to-Noise Ratio (IHF, closed circuit, A Network)		50-10,000 Hz	
Total Harmonic Distortion		Phono		AM	
Rated Output	Less than 0.5%	Aux, Tape PB		Tuning Range	
1 W	Less than 0.1%	FM		525-1605 kHz	
Intermodulation Distortion (70 Hz : 7 kHz = 4:1, SMPTE Method)		TUNER SECTION		Usable Sensitivity (IHF)	
Less than 0.1%		Tuning Range		52 dB/m	
Power Bandwidth (IHF, Distortion 0.5%, Const.)		88-108 MHz		Sensitivity	
20-50,000 Hz		Usable Sensitivity (IHF)		25 dB at 1 kHz	
Damping Factor (8 ohms, 1 kHz)		55 dB		GENERAL	
40		Image Freq. Rejection		Semiconductors: 4 ICs, 1 FET, 26 Transistors, 2 LEDs, 16 Diodes	
Phono RIAA Deviation (30-15,000 Hz)		Spurious Response, IF Rejection		Power Source: AC 110/130/220/240 V switchable, 50/60 Hz	
\pm 0.7 dB		75 dB		Power Consumption	
Input Sensitivity/Impedance (rated power, 1 kHz)		AM Rejection		140 W	
Phono		50 dB		Switched AC Outlet	
3 mV/50 k Ω		Capture Ratio		1 (200 W)	
		2.0 dB		Unswitched AC Outlet	
		Alt. Ch. Selectivity (IHF)		1 (200 W)	
		60 dB		Finish	
		Signal-to-Noise Ratio		American Walnut Grain	
		68 dB		Weight	
				7.2 kg (15.8 lbs.)	
				Dimensions	
				400 x 133 x 293 mm (W x H x D)	
				15 $\frac{3}{4}$ " x 5 $\frac{1}{4}$ " x 11 $\frac{1}{2}$ "	

Specifications subject to change without notice.

For details please contact:

SINCE 1887



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