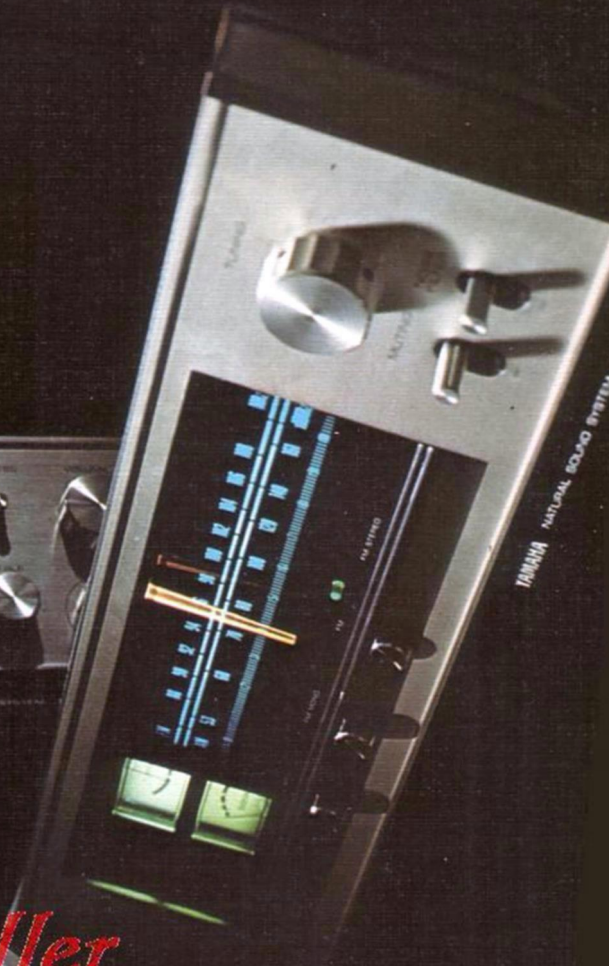
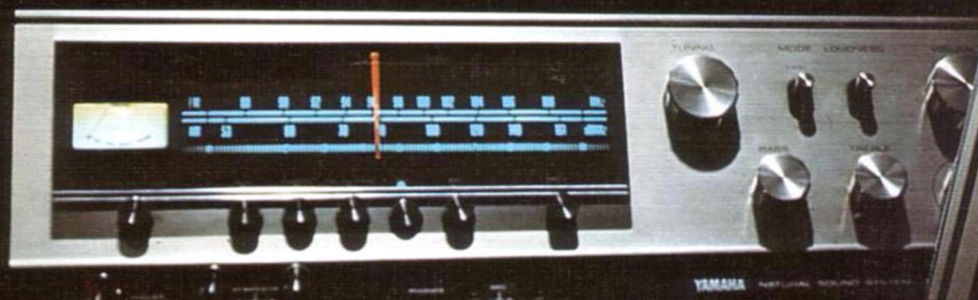


The Performance Power Series



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Archiv Michael-Otto*



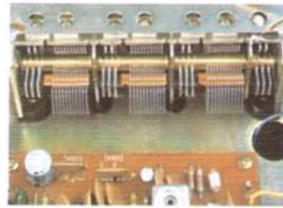
CR-700
CR-500
AM/FM Stereo Receivers
CT-700
AM/FM Stereo Tuner

YAMAHA NS SYSTEMS
NATURAL SOUND

If you're comparing performance—

check the Yamaha Power Series.

Don't settle for a lot of fancy adjectives—compare the specifications. See where else you can find $1.7\mu\text{V}$ FM sensitivity or 70dB IHF alternate channel selectivity. If you don't know what mere 0.05% harmonic distortion at 1KHz, 40W RMS power means, ask a friend who does, because the specs tell an exciting story of outstanding performance. Features like the special Yamaha tape equalizers and Auto-touch FM tuning, plus other compact, easy-operation extras, add up to sophisticated convenience and playing ease. This simplicity is part of the basic compact design, where fully independent circuit boards mean extra-fast, easy servicing if it's ever needed. To round out your present stereo system, the smashing CT-700 tuner will offer top performance with any amp.



Excellent Sensitivity, Selectivity, plus Low Distortion

Sensitivity is the power to pull in weak signals. Selectivity is the tuner's ability to pick the main signals and reject others near enough to interfere. These characteristics are outstanding in the CR/CT series thanks to special ceramic filters and integrated circuits in the IF section, which is also why the tuner features remarkably low distortion. The result is incredibly clear FM sound, even from distant stations.

RF Circuit: FET and 4-gang Varicap

They complement the ICs and ceramic filters for outstanding selectivity plus brilliant, distortion-free response.

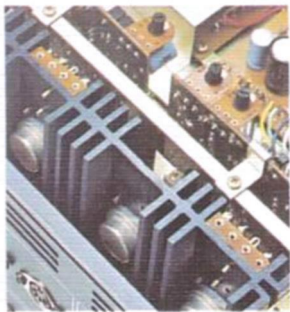
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CR-700

Outstanding performance, convenience, styling.

Two-stage FET-type differential amp for power source stability, resistance to temperature changes.



OCL Amplifier Circuitry

The CR-700's output condenser-less circuitry does away with distortion-causing capacitors between amplifier stages, works with a differential type power amp for clearer response, smoother bass and better damping characteristics.

Speaker/amp Protection Circuits

If there's a short in the speakers or a mis-connection, power transistors and speakers can be damaged beyond repair. These electronic protector circuits automatically shut off the set in case of danger—extra protection for years of durability.



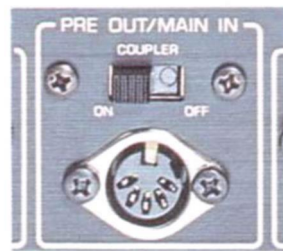
Exclusive Yamaha Auto-touch Tuning

Touch the tuning knob for FM selection on the CR-700 or CT-700—the AFC circuit goes off automatically. Once the station is selected, it goes back on the minute you release the knob for steady, drift-free performance with no special switch to set (or forget to set).



Ceramic Muting Filter

Most FM muting switches have to let some noise and hiss through to avoid losing weak stations. This radically new ceramic type does not. It lets you tune in smooth silence, yet all signals come through clear and strong.



Pre-out, Main In

Lets you use the pre-amp and main amp sections separately. With another amp you can build a four channel stereo system, or combine with an electronic crossover network and one or two additional amps for multichannel tone control.



L/R Mic. Jacks, Vol. Control

This CR series feature lets you sing along with radio or records—and record the result. Use the Mic. volume control to match input for perfect mixing balance.



Speaker System Selectors

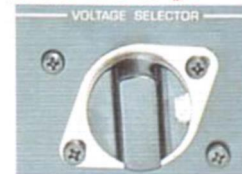
An extra set of speakers for another room has its own terminals on the CR-500 and CR-700. Choose either or both systems via a pair of handy buttons.

Stylish Simplicity

Distinctive black-face panel, easy-to-read linear dial scale, balanced controls for simple operation. Handles as smart as it looks!

Voltage Selector

Anywhere you go in the world, your stereo goes with you, thanks to this switch that lets you set for every voltage from 100 to 240.



Cabinet Artistry

Both units come with an American walnut cabinet.



CR-500

The economy answer. No frills, just top performance.



CT-700

If you've got an amp you can live with, the CT-700 will make the most of it.



Exclusive Yamaha Auto-touch Tuning

Touch the tuning knob for FM selection—the AFC circuit goes off automatically. Once the station is selected, it goes back on the minute you release the knob for steady, drift-free performance with no special switch to set (or forget to set).

Ceramic Muting Filter

Most FM muting switches have to let some noise and hiss through to avoid losing weak stations. This radically new ceramic type does't. It lets you tune in smooth silence, yet all signals come through clear and strong.



Noise Filter

Works only during stereo reception. When stereo signal is weak and there is excessive noise from the FM tuner, use it to reduce noise and obtain clearer reception.

SPECIFICATIONS

AMPLIFIER SECTION	CR-500	CR-700	CR-500	CR-700
Dynamic Power (IHF) at 1kHz:	60W	120W	REC/PB (DIN):	30mV, 80kΩ
RMS Power at 1kHz:	22/22W	40/40W	Frequency Response	
Harmonic Distortion at 1kHz:	0.05% at 20W	0.05% at 35W	PHONO:	30~15,000Hz, ±0.5dB
IM Distortion (70Hz: 7kHz, 4:1):	0.1% at 20W	0.1% at 35W	AUX, TAPE PB, REC/PB:	30~30,000Hz, +1, -3dB
Power Bandwidth (distortion 0.5% const., IHF):	18~46,000Hz	10~56,000Hz	MAIN IN:	15~50,000Hz, +1, -3dB
Sensitivity (for rated output at 8Ω)			Damping Factor:	40 at 8Ω, 1kHz
PHONO 1, 2:	3mV, 50kΩ		Tone Controls	
AUX, TAPE PB (PIN), REC/PB (DIN):	200mV, 50kΩ		Bass:	+10dB at 70Hz
MAIN IN:	775mV, 50kΩ		Treble:	±10dB at 1kHz
MIC:	4mV, 50kΩ		Filter	
Output Terminals and Jacks			Low:	-3dB at 70Hz, 6dB/oct
Speakers:	A, B, A+B		High:	-3dB at 7kHz, 6dB/oct
Stereo Headphone Jack:	1		Loudness Control:	+8dB at 70Hz, +6dB at 10kHz
PRE OUT:	775mV, 10kΩ		Channel Separation	
REC OUT (PIN):	200mV, 10kΩ		PHONO, AUX, TAPE PB, REC/PB:	50dB at 1kHz
FM TUNER SECTION	CR-500	CR-700	CT-700	
Frequency Range	88~108MHz			
Usable Sensitivity, IHF:	2.0μV	1.7μV		
Harmonic Distortion mono:	0.3%	0.2%		
stereo:	0.5%	0.4%		
S/N Ratio:	70dB			
Alternate Channel Selectivity, IHF:	70dB	80dB		
Capture Ratio, IHF:	1.5dB			
Image Frequency Rejection:	55dB	90dB		
Stereo Separation:	40dB	45dB		
AM TUNER SECTION				
Frequency Range	530~1605kHz			
Usable Sensitivity, IHF:	20μV	15μV		
Image Frequency Rejection:	40dB	70dB		
Selectivity:	25dB	30dB		
GENERAL				
Power Sources:	100, 110, 117, 125, 220, 240V (switchable)			
Power Consumption, Max.	120W	180W	23W	
Dimensions (W×D×H):	420 (16½")×300 (11¾")×140mm (5½")		400 (15¾")×300 (11¾")×140mm (5½")	
Weight:	9.0kg (19.8 lbs.)	9.5kg (21.5 lbs.)	7.5kg (16.6 lbs.)	

Specifications subject to change without notice.

For details please contact

SINCE 1887  **YAMAHA**
NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN