

PIONEER MODEL SA-500

44 WATT SOLID STATE STEREO INTEGRATED AMPLIFIER

This is an efficient medium-range pre/main amplifier built to very high specifications for this size of unit. It has a set of controls, inputs and outputs for versatile operation of speakers and tape recorders. Main amplifier total power is strong at 44 watts (at 4 ohms). Circuitry is all solid state and includes low-noise silicon transistors. For those who want to enjoy full stereophonic realism the SA-500 is the set.



PIONEER WORLD-FAMOUS BRAND IN HI-FI REPRODUCTION

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FEATURES OF THE SA-500

EXCELLENT PREAMPLIFIER PERFORMANCE The low-noise silicon transistors are included in the preamplifier section and are vital for the very best signal-to-noise ratio and distortion-free sound. Distortion at 44 watts is less than 0.5% at 1 kHz (IHF)

TRULY PRECISE TONE CONTROLS Unlike most amplifiers, in which tone control is only approximate, the SA-500 offers truly accurate tone control through individual bass and treble. Signals

really come out as you want them.

POWERFUL MAIN AMPLIFIER The main amplifier section puts out 36 watts in music power at 8 ohms with distortion less than 0.5% at 1 kHz (IHF). That will give you room shaking performance where and when you want it. It has two sets of auxiliary inputs to make it a very versatile part of your stereo system.

EXCEPTIONAL FLEXIBILITY The SA-500 is fully equipped with speaker outputs, tape recording/playback connector, loudness contour and a stereo headphone jack.

SPECIFICATIONS OF THE SA-500

AUDIO SECTION

Circuitry:	Quasi-complementary single ended push-pull circuitry
Music Power Output:	44 watts at 4 Ω (distortion below 0.5% at 1 kHz/IHF) 36 watts at 8 Ω (distortion below 0.5% at 1 kHz/IHF)
Continuous Power Output:	16W/16W at 4 Ω (distortion below 0.5% at 1 kHz) 13W/13W at 8 Ω (distortion below 0.5% at 1 kHz)
Continuous Power Output (both channels driven):	12W + 12W at 4 Ω (distortion below 0.5% at 1 kHz) 10W + 10W at 8 Ω (distortion below 0.5% at 1 kHz)
Frequency Response:	20 Hz to 50 kHz \pm 1 dB (AUX)
Power Bandwidth:	20 Hz to 40 kHz (distortion below 0.5% constant/IHF)
S/N Ratio:	PHONO 75 dB (volume; maximum, tone) AUX 90 dB flat at the rated output
Inputs and Gain, Input Impedance (at 1 kHz):	PHONO 2.5 mV 47 k Ω TUNER 200 mV 100 k Ω TAPE MONITOR 200 mV 100 k Ω

Damping Factor:	AUX 200 mV 100 k Ω Better than 40 at 8 ohms (at 1 kHz)
Output Terminals and Jacks:	Speakers: 4 to 16 Ω Stereo headphone jack Simultaneous tape recording jack Tape recording/playback connector (DIN standards)
Equalization Curve:	PHONO NFB type RIAA
Tone Controls:	BASS -13.5 dB to +13 dB (at 50 Hz) TREBLE -11 dB to +8 dB (at 10 kHz)
Loudness Contour:	Switchable to ON-OFF +12 dB at 50 Hz +5.5 dB at 10 kHz (at the volume level of -40 dB)
Residual Noise:	Less than 0.7 mV at 8 Ω (volume; minimum, tone; flat)
POWER SUPPLY, etc.	
Power Supply:	Full-wave rectifier using silicon diodes
Line Requirements:	110, 117, 120, 220, 240 volts (switchable) AC, 50 to 60 Hz 65 VA, 55 W (Max)
Power Consumption:	13"(W) x 4-5/8"(H) x 12-5/16"(D)
Dimensions (overall):	330(W) x 118(H) x 313(D)mm
Weight:	13.2 lbs 8 kg



THE PERFECT COMBINATION In performance and styling the SA-500 is designed to fit in ideally with Pioneer's high quality TX-500 tuner, making a matching set that will give years of combined stereo excellence.

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