

# PIONEER MODEL TX-500

## COMPACT TUNER WITH HIGH PERFORMANCE CHARACTERISTICS

Here's the tuner for the stereo fan who doesn't want a high-priced set but desires first class AM/FM reception. The TX-500 from Pioneer contains advanced features that put it on a par with much more expensive tuners. It is all solid state, has FM multiplex circuitry and an FET (field effect transistor) in the front end. There are such useful additions as a stereo noise filter and advanced silicon transistors throughout. It is designed to fit in ideally with the best stereo systems.



**PIONEER** WORLD-FAMOUS BRAND IN HI-FI REPRODUCTION

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## FEATURES OF THE TX-500

### FM FRONT END

By utilizing an FET (Field Effect Transistor), the FM front end image rejection rating is far superior to conventional sets.

A high sensitivity and better signal to noise ratio are both products of this superior FM section. FM broadcasts can be delivered with original clarity and a minimum of interference, and with cross modulation eliminated.

### STEREO PERFORMANCE

In the FM multiplex circuit there is an envelope detection type de-modulator which provides wide channel separation and virtually guarantees perfect hi-fi stereo. Frequency response is excellent. If noise should arise, due to insufficient antenna input for FM stereo, Pioneer has cleverly included a special noise filter which can eliminate any unwanted multiplex broadcast noises. A mono, stereo and mono/stereo control knob is mounted on the front panel and provides for quick and easy manual selection.

## SPECIFICATIONS OF THE TX-500

### FM SECTION

Circuitry:	Front end using FET and 3-gang variable capacitor
Frequency Range:	87-108 MHz
Sensitivity:	2.5 $\mu$ V (IHF)
Image Rejection:	55 dB (at 98 MHz)
Signal to Noise Ratio:	50 dB (IHF rating)
Antenna Input:	300 $\Omega$ (balanced)

### MULTIPLEX SECTION

Circuitry:	Envelope detection type de-modulator, Stereo/Mono common defeatable stereo functioning
Channel Separation:	35 dB (at 1 kHz)

### ADVANCED IF SECTION

With the low noise silicon transistors and a high quality transformer in the 4-stage IF section, much improved signal to noise ratio and better selectivity are made possible.

### AM TUNER

The superheterodyne AM tuner has a receiving band of between 525 - 1605 kHz. This equals the range of any AM station so that everything that is broadcast, you hear. At the rear of the TX-500 is a ferrite bar antenna that is extremely sensitive, to efficiently receive any AM broadcasts.

### ELEGANT AND FUNCTIONAL DESIGN

The TX-500 complements any high class stereo system. It contains such useful extras as a tape recorder terminal for FM stereo recording; an easily switchable line voltage selector for adjustment to your local voltage, and an output level control. All this comes in a handsome cabinet with brushed chrome facia and expensive Brazilian rosewood end pieces.

### AM SECTION

Circuitry:	Superheterodyne
Frequency Range:	525-1605 kHz
IHF Usable Sensitivity:	10 $\mu$ V
Image Rejection:	47 dB (at 1000 kHz)
Antenna Input:	Built-in ferrite loopstick antenna

### POWER SUPPLY, etc.

Line Requirements:	110, 117, 130, 220, 240 volts, (switchable), 50 - 60 Hz, AC 15 watts (Max)
Dimensions (Overall):	13"(W)x5"(H)x13-1/8"(D) 330(W)x128(H)x333(D)mm
Weight:	Net Net 11 lbs. 5 kg Net 14.8 lbs. 6.7 kg



For those wanting the ideal stereo combination, the TX-500 combines with the SA-500 amplifier. The TX-500 and SA-500 are designed to work in harmony, but both units complement any make of modern stereo system.

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