



SOUTH FORKS SHOPPING CENTER
GRAND FORKS, NORTH DAKOTA 58201

PIONEER[®]

TX-5500II



Truly High Fidelity Performance in AM and FM Stereo in An Advanced IC-Equipped Tuner in Attractive Price Range

Pioneer stays ahead in rich musical performance and interference-free reception when it comes to AM/FM stereo tuners in every price category. The TX-5500II is no exception, despite its attractively low price. The latest Pioneer advances in circuitry as perfected by our research and development teams are employed, often in microcircuit IC

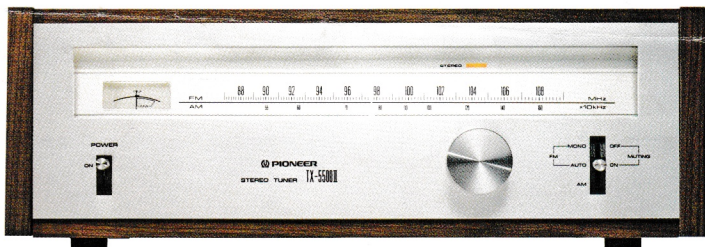
forms, to increase sensitivity and selectivity, reduce the signal-to-noise and distortion irregularities, and improve overall tonal quality. An example is the PLL (Phase-Locked Loop) IC used in the FM stereo multiplex demodulator section. Another is the FET and 3-gang variable capacitor construction of the FM front end for more sensitivity. Still

another is the use of the ceramic filter-plus-IC form of the FM IF section to provide pinpoint selectivity. All this pays off in better tonal quality, less distortion and more precise station selection in a functional, versatile tuner at a popular price. It's the TX-5500II from Pioneer, a good way to stay ahead in hi-fi.

NOTE: (1) A wooden case is optional.

(2) Walnut veneered top and side panels are used in the construction of this wooden case.

TX-5500II



FM FRONT END IS STABLE BUT HIGHLY SENSITIVE

You won't find better performance for the price. Pioneer boosts FM sensitivity to 10.7dBf (1.9 μ V) (IHF) in the TX-5500II by using a low-noise FET and a 3-gang variable capacitor in the stable FM front end. Interference is rejected and the signal-to-noise ratio is improved.

EXCLUSIVE IF CIRCUIT USES CERAMIC FILTERS AND IC

Stability and limiter characteristics are improved while at the same time selectivity and capture ratio are boosted. This results from Pioneer's use of an exclusive high-performance IC and only those ceramic filters which can deliver the best phase linearity in the IF circuit.

STEREO SEPARATION IS MORE STABLE WITH PLL

Outside influences such as changes in temperature and moisture can never affect the stereo FM multiplex demodulator because we use a Phase-Locked Loop (PLL) circuit in IC form. The circuit has distinguished AGC (Automatic Gain Control) characteristics and stable detector output, factors which pay off in better stereo FM performance in strong signal areas.

SUPER-SIMPLE TUNING SYSTEM FOR MORE ACCURACY

The clean looks of the Pioneer TX-5500II are functional, too. The FM-linear dial scale, a smooth-turning, flywheel balanced tuning mechanism and a combination signal-strength (FM/AM)

and center-of-channel (FM only) meter make precision tuning simple.

A VALUABLE INVESTMENT IN VERSATILITY

FM muting is automatically provided when you switch to FM AUTO. The FM MONO position lets you select more distant stations. And in the AM position, a high-integration AM circuit goes on line to bring you low-noise AM performance. All these and more advantages in the Pioneer TX-5500II make it an even more valuable investment in your hi-fi listening pleasure.

TX-5500II SPECIFICATIONS

FM SECTION

Circuitry:	1 FET, 1-stage RF amplifier, 3-gang variable capacitor, 5-stage limiter, PLL MPX
Usable Sensitivity:	Mono: 10.7dBf (1.9 μ V)
50dB Quieting Sensitivity:	Mono: 14.0dBf (2.8 μ V), Stereo: 38.0dBf (44 μ V)
Signal-to-Noise Ratio (at 65dBf):	Mono: 72dB, Stereo: 68dB
Distortion (at 65dBf)	
100Hz:	Mono: 0.15%, Stereo: 0.3%
1kHz:	Mono: 0.15%, Stereo: 0.3%
10kHz:	Mono: 0.2%, Stereo: 0.6%
Frequency Response:	Mono: 30-10,000Hz +0.2dB, -0.5dB, Stereo: 20-15,000Hz +0.2dB, -1.0dB
Capture Ratio:	1.0dB
Alternate Channel Selectivity:	60dB
Spurious Response Ratio:	75dB
Image Response Ratio:	60dB
IF Response Ratio:	90dB
AM Suppression Ratio:	50dB
Muting Threshold:	10.0dBf (1.7 μ V)
Stereo Separation:	35dB (1kHz), 30dB (30-15kHz)
Subcarrier Product Ratio:	40dB
SCA Rejection Ratio:	62dB
Antenna Input:	300 ohms balanced, 75 ohms unbalanced

AM SECTION

Circuitry:	1-stage RF amplifier, 2-gang variable capacitor 300 μ V/m (IHF, ferrite antenna), 15 μ V (IHF, external antenna)
Sensitivity:	35dB
Selectivity:	50dB
Signal-to-Noise Ratio:	40dB
Image Response Ratio:	70dB
IF Response Ratio:	70dB
Antenna:	Built-in ferrite loopstick antenna

AUDIO SECTION

Output (Level/Impedance)	
FM (100% MOD):	650mV/3.6 Kohms
AM (30% MOD):	150mV/5.1 Kohms

SEMICONDUCTORS

FET:	1
ICs:	3
Transistors:	6
Diodes:	6

MISCELLANEOUS

Power Requirement:	120V 60Hz only
Power Consumption:	11 watts
Dimensions:	Without package: 14-31/32(W) x 4-7/8(H) x 10-19/32(D) inches 380(W) x 124(H) x 269(D)mm
Weight:	Without package: 7 lb. 11 oz./3.5kg

NOTE: Specifications and design subject to possible modification without notice.

PIONEER

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