

PIONEER MODEL SX-440

GIVE YOUR ROOM THE TOUCH OF THE AUDIO EXPERT WITH THIS DYNAMICALLY BEAUTIFUL STEREO RECEIVER FROM PIONEER. The SX-440 is the latest in stereo receivers, made strictly for those who care a lot about stereo. It uses an FET (field effect transistor) in the FM front end to provide excellent selectivity, and sensitivity as high as $2.5\mu\text{V}$ (IHF). The AM tuner section is equipped for ideal reception with a ferrite loop antenna. The audio-frequency output circuit is all silicon transistorized and employs the SEPP-OTL system. Music power output is at a dynamic 40 watts (IHF). With all this, the SX-440 will make a fine addition to your room and you'll discover qualities of sound you never knew existed.



PIONEER WORLD-FAMOUS BRAND IN HI-FI REPRODUCTION

PIONEER MODEL SX-440

SWITCH OFF



SWITCH ON



FM TUNER SECTION

When choosing a good general-purpose stereo receiver careful inspection must first be made of the FM section. The reliability of the front end section is vital for perfect reproduction of FM monaural and stereo broadcasts. The FM front end of the SX-440 is about the best you can get — a combination of an FET and a three-gang variable capacitor. Even in areas where station crowding occurs the SX-440 delivers clear, interference-free reception. The high sensitivity (2.5 μ V) is indicative of the superior FM performance of this receiver.

FM MULTIPLEX SECTION

The advanced circuitry of the SX-440 includes an FM multiplex section, time switching type, with automatic common, defeatable stereo functioning. Channel separation is more than 35dB (at 1 kHz). Easy-to-read front dial has a lamp to indicate FM stereo performance.

AM TUNER SECTION

The superheterodyne AM tuner has a receiving band of between 525-1605 kHz to equal the range of AM broadcasts. Sensitivity is 8 μ V, so it doesn't require an outdoor antenna when in the vicinity of a station; the SX-440 has an adequate ferrite loop stick antenna to pick up most any AM broadcasts.

SPECIFICATIONS OF THE MODEL SX-440

• Audio Section

Circuitry	Single ended push-pull
Music Power Output:	40 watts total at 4 Ω (IHF rating) 33 watts total at 8 Ω (IHF rating)
RMS Rated Power Output:	15 watts per channel at 4 Ω (both channel driven) 12 watts per channel at 8 Ω (both channel driven)
Harmonic Distortion:	Less than 1% (at 1 kHz rated output)
Frequency Response:	±3 dB, from 20 Hz to 20 kHz (Overall)
Channel Separation:	PHONO 60 dB AUX 50 dB
Power Bandwidth:	30 Hz to 20 kHz (AUX)
Hum & Noise:	MAG. better than 75 dB AUX: better than 85 dB
Inputs and Audio Sensitivity:	MAGnetic PHONO: 3 mV TAPE MONITOR: 130 mV AUXiliary: 130 mV
Recording Output:	230 mV (DIN)
Output Terminals and Jacks:	Speakers: 4-16 ohms Stereo headphones jack, Simultaneous tape recording jacks, equipped with TAPE MONITOR switch, Tape recording/playback jack (DIN standard)
Damping Factor:	25 (at 8 Ω)
Speaker Selector Switch:	A or B speakers
Equalization Curve:	PHONO: RIAA
Tone Controls (each channel):	BASS: boost 13 dB, cut 11 dB (at 50 Hz) TREBLE: boost 9.5 dB, cut 10 dB (at 10 kHz)
Loudness Contour:	Switchable to ON-OFF, boost 12 dB at 50 Hz, boost 6 dB at 10 kHz, with VOLUME control set at -40 dB

AUDIO SECTION

The SEPP-OTL system is used in the advanced audio output circuit. This gives it an output of 40 watts, perfect for home use and with powerful stereo separation.

COMPLETE TERMINAL FACILITIES

With the SX-440 you can add a complete stereo system from the selection of terminals provided. It combines ideally with the best quality record players, stereo tape recorders and reverbation amplifiers, with all terminals conveniently located, plus a set of auxiliary input terminals. For tape deck versatility, a tape monitor circuit and tape recording/playback jack to DIN standards are provided. You can even connect two separate loudspeaker systems through this practical receiver.

ELEGANT AND UNIQUE DESIGN

The midnight black front panel is finished with special acrylic resin over the entire surface, giving the SX-440 a sophisticated, durable lustre. Power switch-on brings out subdued illumination for crystal-clear readings. Take a look at the SX-440 and you'll agree it's the smartest set ever. Listen to it, and you'll want to add it to your system.

• FM Section

Circuitry:	Front end using "F.E.T." and 3 gang variable capacitor
Frequency Range:	87 - 108 MHz
Frequency Response:	24 - 20,000 Hz \pm 0.5, - 3 dB
IHF Usable Sensitivity:	2.5 μ V
Harmonic Distortion:	0.4%
Image Rejection:	55 dB (at 98 MHz)
Cross Modulation Rejection:	96 dB
Signal to Noise Ratio:	50 dB (IHF rating)
Antenna Input:	300 ohms (balanced)

• Multiplex Section

Circuitry:	Envelope detection type de-modulator, Stereo/Mono Common, Defeatable Stereo Functioning
Channel Separation:	35 dB (at 1 kHz)

• AM Section

Circuitry:	Superheterodyne
Frequency Range:	525 - 1605 kHz
IHF Usable Sensitivity:	8 μ V
Image Rejection:	47 dB (at 1000 kHz)
Antenna Input Power:	Built-in Ferrite Loopstick Antenna

• POWER SUPPLY, etc.

Line Requirements:	110, 117, 130, 220, 240 volts (switchable) 50 - 60 Hz, 60 watts (Max)
Dimensions (Overall)	15-15/16" (W) X 7-7/16" (H) X 15" (D) 405mm (W) X 139mm (H) X 358mm (D)
Weight:	Net Net 17-5/8 lbs (8.0kg) Net 21-1/8 lbs (9.6kg)

Notice: Any of the specifications listed above are subject to change without notice because of improvements.

* Model SX-440 is equipped with selector for five (5) volt (110, 117, 130, 220, 240 volts)

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