

# TX-8220 Stereo Receiver

BLACK



WRAT WIDE RANGE AMPLIFIER TECHNOLOGY



192 kHz/24-bit

## With Hi-fi Power On Tap, the TX-8220 Offers You More

Universal connectivity meets pure analog amplification in a simple hub that sounds a whole lot better than its modest price suggests. All the essentials are covered with digital audio inputs for TV and BD/DVD player connection, along with four analog line-level inputs for CD player and everything else. But the TX-8220 also takes value up a notch with MM phono input for turntable and built-in *Bluetooth*® technology. A few taps on a touchscreen, trackpad, or mouse has music from apps flowing out of your loudspeakers thanks to Auto Connect. See how bass, treble, and balance controls, speaker A/B Drive, and subwoofer pre-out let you calibrate tone to suit unique speakers, customize a multi-zone setup, and enhance LFEs in film soundtracks. Boasting clean, minimal design with maximum versatility, the TX-8220 is great value.

### HIGHLIGHTS

- 100 W/Ch High-Current Amplification System
- *Bluetooth*® Audio Streaming Technology for Almost Any Device
- MM Phono, Analog, and Digital Audio Inputs
- Hi-Current Discrete Amplification System

### ADVANCED FEATURES

- 45 W/Ch Stereo Power (8 Ohms, 20 Hz–20 kHz, 0.08%, 2 Channels Driven, FTC); 100 W/Ch (6 Ohms, 1 kHz, 10% THD, 2 Channels Driven)
- Stream from Mobiles, Smartphones, Tablets, Laptops, and PC via *Bluetooth* Version 4.1 (A2DP/AVRCP) with *Bluetooth* Standby and Auto Connect Functions
- WRAT (Wide Range Amplifier Technology) with Massive Hi-Current EI Transformer, Custom Power Capacitors, and Low Impedance Drive
- Non-Phase-Shift Amp Circuitry with Discrete Power Transistors
- Optimum Gain Volume Circuitry
- 192 kHz/24-bit\* (PCM1754) Digital-to-Analog Converter
- Direct Mode for Source-Authentic Audio Reproduction
- FM/AM Radio Tuners with 40-Station Memory Presets
- Radio Station Preset Naming (Up to 8 Characters)

\* 96 kHz/24-bit D/A conversion

### CONNECTION FEATURES

- 2 Digital Audio Inputs (1 Optical and 1 Coaxial)
- 4 Analog RCA Inputs and 1 Line Output
- Phono Input with MM Equalizer
- Subwoofer Pre-Out
- Two Pairs of Speaker Posts with Screw Knobs
- 1/4" (6.35 mm) Headphone Jack

### ADDITIONAL FEATURES

- Front-panel Bass/Treble/Balance Buttons
- Front-panel Speaker A/B Drive Selector Button
- 3-Mode Display Dimmer (Normal/Dim/Dimmer)
- Sleep Timer and Battery-free Memory Back-up
- *Bluetooth* Standby Mode and Auto Standby



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## Bluetooth® Transforms Mobile Audio Into Room-filling Sound

With low-latency Bluetooth 4.1 wireless technology, you can stream almost any audio that's playing on your smartphone, tablet, laptop, or PC applications. Auto Connect function makes pairing up and playing back your music much faster and easier than before, with enhanced stability reducing loss in audio quality.



## Connects Your Turntable, CD Player, TV, and Media Streamer

Aimed at music and film lovers that want to add great sound to a variety of media sources, the TX-8220 comes extensively equipped with audio connections. The receiver is one of the few at this price to include a quality MM phono stage for your turntable. It also has digital inputs to route audio from TV through amp and speakers. Four analog line inputs are included should you prefer your source device to handle D/A conversion, or for connecting a phone or DAP.

## Rich and Powerful Hi-fi Sound

Pair the TX-8220 with your choice of loudspeakers and add high-fidelity sound to everyday entertainment, from streaming audio to TV programs, vinyl, and CD. Discrete amplifiers, massive EI transformer, and customized capacitors deliver ample driving power with low distortion. High current grips the speaker cones for more accurate control, restoring vitality and detail to music. Non-phase-shift circuitry, meanwhile, clearly focuses the audio image.

## High Current and Low Impedance Architecture

Dynamic passages in music and film soundtracks can see impedance spike and dip dramatically for short periods. This can place up to 10 times the usual load on your amplifier, and if it can't meet power demands, sound quality suffers. Onkyo's high-current low-impedance WRAT design uses a massive EI transformer to drive your speakers accurately, even under heavy loads.

## FM/AM Tuner with 40 Memory Presets

Scan, name, and save 40 FM and AM radio stations for easy one-touch recall anytime. Bring a huge variety of programming to your listening space, from news and sport to music and talk radio.

## A/B Speaker Posts for Multi-room Audio

TX-8220 features two sets of speaker posts enabling connection of two pairs of speakers. The receiver is designed to drive either a single pair of speakers rated at 4–16 Ohms, or two pairs of 8–16 Ohms speakers, allowing you to enjoy the same audio source in two rooms at once, or to easily switch between two sets of speakers.

## Bass, Treble, and Balance Controls

Bass, treble, and balance buttons are useful for adjusting the tone characteristics of your music for satisfying response with any speaker type. Carefully designed tone circuits—which some receivers don't include—let you personalize sound to taste with no perceived loss in audio quality.

## SPECIFICATIONS

### Amplifier Section

<b>Power Output</b>	45 W/Ch (8 Ohms, 20 Hz–20 kHz, 0.08%, 2 Channels Driven, FTC) 100 W/Ch (6 Ohms, 1 kHz, 10% THD, 2 Channels Driven)
<b>Dynamic Power</b>	140 W (3 Ohms, Front) 120 W (4 Ohms, Front) 80 W (8 Ohms, Front)
<b>THD+N (Total Harmonic Distortion + Noise)</b>	0.08% (20 Hz–20 kHz, Half Power)
<b>Input Sensitivity and Impedance</b>	Line 450 mV/40 k-ohms Phono MM 10 mV/50 k-ohms (IHF-A)
<b>Rated RCA Output Level and Impedance</b>	420 mV/2.2 k-ohms (Line-Out) 2.8 mV/3.3 k-ohms (Subwoofer Pre-Out)
<b>Phono Overload</b>	40 mV (MM, 1 kHz, 0.5%)
<b>Frequency Response</b>	10 Hz–100 kHz/±1 dB, -3 dB (Direct Mode)
<b>Tone Control</b>	±12 dB, 100 Hz (Bass) ±12 dB, 10 kHz (Treble)
<b>Signal-to-Noise Ratio</b>	100 dB (IHF-A, Line In, Speaker Out) 93 dB (IHF-A, Phono In, Speaker Out)
<b>Speaker Impedance</b>	4 Ohms–16 Ohms (A or B) 8 Ohms–16 Ohms (A + B)
<b>Headphone Output Impedance</b>	390 Ohms
<b>Headphone Rated Output</b>	60 mW (32 Ohms, 1 kHz, 10%)

### Tuner Section

<b>Tuning Frequency Range</b>	FM 87.5 MHz–107.9 MHz AM 530 kHz–1,710 kHz
<b>FM/AM Preset Memory</b>	40 Stations

### General

<b>Power Supply</b>	AC 120 V, 60 Hz
<b>Standby Power Consumption</b>	0.4 W
<b>No-Sound Power Consumption</b>	20 W
<b>Dimensions (W x H x D)</b>	17 1/8" x 5 7/8" x 12 13/16" (435 x 149 x 328 mm)
<b>Weight</b>	15.0 lbs. (6.8 kg)

### UPC CODE

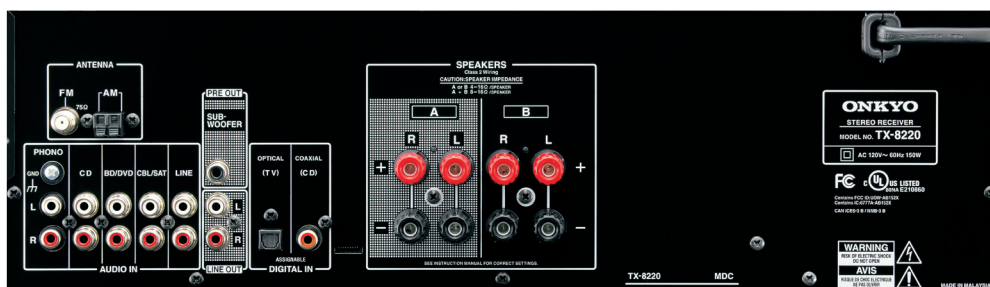
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### CARTON

<b>Dimensions (W x H x D)</b>	21" x 9 3/16" x 15 13/16" (533 x 234 x 401 mm)
<b>Weight</b>	19.0 lbs. (8.6 kg)

### Supplied Accessories

- Indoor FM antenna • AM loop antenna • Instruction manual
- Remote controller • AAA (R03) batteries x 2



Text on receiver may vary with region.

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