

TX-SR494 7.2-Channel A/V Receiver



Escape the everyday with spatial surround-sound

From easy *Bluetooth*® wireless streaming to the heart-pounding thrills of Dolby Atmos® and DTS:X® soundtracks, the TX-SR494 deepens enjoyment of daily life with great sound and smart features. Seven channels of high-current power give you freedom to choose a speaker layout that suits. Dolby Atmos Height Virtualizer® or DTS Virtual:X® place sound overhead or behind if you don't want height or surround speakers and both Dolby Surround® and DTS Neural:X® are on board. Rear surrounds, bi-amped front speakers, or Powered Zone B audio are also an option. AccuEQ with subwoofer EQ and AccuReflex™ for 5.2.2-ch Dolby Atmos-enabled systems clarify sound in any space. As the heart of your home theater, the TX-SR494 has HDMI® terminals supporting HDR and 4K/60p video, while the GUI with OSD over HDMI, Zone B pre-/line-out, and Vocal Enhancer function make this receiver a joy to use as well as hear. * Enabled with a future firmware update.

PRODUCT HIGHLIGHTS

- 160 watts per channel
- Supports 4K/60p and HDR (HDR10, HLG, Dolby Vision®, BT.2020)
- 5.2.2-ch Dolby Atmos® and DTS:X® playback
- Dolby Atmos Height Virtualizer® and DTS Virtual:X®
- AccuEQ with subwoofer EQ and AccuReflex™
- Discrete high-current amp system with 4-ohm drive capability
- *Bluetooth*® technology and Advanced Music Optimizer™
- Vocal Enhancer function improves voice audibility
- Zone B pre-/line-out shares any audio source to components with an RCA input, such as wireless headphone docks, etc.
- OSD window shows media format data for quick confirmation

* Enabled with a future firmware update.

AMPLIFIER FEATURES

- 160 W/Ch (6 ohms, 1 kHz, 10% THD, 1 channel driven), 80 W/Ch (8 ohms, 20 Hz–20 kHz, 0.08% THD, 2 channels driven, FTC)
- High-Output Low-Noise Power Transformer
- High-current 7-channel analog amplification system

- Discrete high-power output transistors
- Original low-impedance amp-circuit topology

VIDEO & AUDIO SUPPORT

- Supports HDCP 2.2, 4K/60p, HDR (Dolby Vision, HDR10, HLG, BT.2020), 4:4:4 color-space, BT.2020, 3D Video, ARC (Audio Return Channel), DeepColor™, x.v.Color™, and LipSync via HDMI
- Dolby Atmos, DTS:X, Dolby® TrueHD, and DTS-HD Master Audio™ decoding
- Supports SACD (Super Audio CD) Playback via HDMI (2.8 MHz/2ch, multi-channel)
- Dolby Atmos Height Virtualizer and DTS Virtual:X 3D sound processing
- Dolby Surround® and DTS Neural:X® upmixing technologies
- Premium 384 kHz/32-bit AKM multichannel DAC
- Direct Mode for source-authentic stereo sound

CONNECTION FEATURES

- 4 HDMI inputs and 1 output with ARC (Audio Return Channel)
- 2 digital audio inputs (1 optical and 1 coaxial, assignable)
- 3 analog audio inputs (assignable)
- Zone B pre-/line-out
- 2 subwoofer pre-outs
- Speaker terminals (banana-plug x 2 [Front L/R], lever-type x 5)
- Rear USB power supply terminal (5 V/1 A) for media streaming devices
- 1/4" (6.35 mm) headphone output (front)
- 1/8" (3.5 mm) AccuEQ setup mic input (front)

ADVANCED FEATURES

- AccuEQ Room Acoustic Calibration, Subwoofer EQ, and AccuReflex
- Zone B pre-/line-out shares any audio source to components with an RCA input, such as mini hi-fi systems, integrated amps, wireless headphone docks, etc.
- Height/Surround Back/Powered Zone B/Speaker Bi-Amp terminals
- DSP-controlled Vocal Enhancer function boosts dialog audibility via remote keys or front-panel controls
- *Bluetooth* wireless technology supports high-quality audio streaming from phones, tablets, and PCs
- Advanced Music Optimizer improves playback quality of compressed audio
- GUI with OSD via HDMI features media input/output information window for easy confirmation of playback settings
- 1080p Full HD to 4K Ultra HD upscaling over HDMI
- Quick Connection Guide on rear panel for stress-free setup
- A/V sync control (up to 500 ms in 5 ms steps at 48 kHz)
- Direct Power On function switches on receiver when an input key is pressed on the remote control or front panel
- HDMI passthrough function on standby
- Tone controls for Front L/R channels (bass/treble)
- 3-Mode front-panel display dimmer (Normal/Dim/Dimmer)
- AM/FM tuner with 40 random presets
- Sleep timer
- Simple remote control

TX-SR494 7.2-Channel A/V Receiver

Dolby Atmos® and DTS:X® sound is here

The TX-SR494 supercharges your Dolby Atmos® and DTS:X® experience. Object-based audio is mixed in 3D space and lets any sound play through any speaker, tracking the action, localizing effects, and moving around you. Dolby Surround® and DTS Neural:X® complement native 3D audio playback. These technologies find localization cues in legacy stereo or multichannel soundtracks and upmix these elements to create immersive top-to-bottom dimensionality.



Dolby Atmos Height Virtualizer

When playing any Dolby® format, engaging Dolby Atmos Height Virtualizer enables a more immersive listening experience, creating a virtual surround and height effect from traditional speaker layouts without employing additional surround or height speakers.

Note: Enabled with a future firmware update.

Spatial sound elevated with DTS Virtual:X®

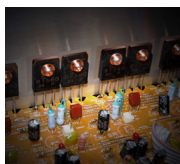
DTS Virtual:X is a new surround-sound virtualization technology that creates an immersive 3D soundfield from any speaker layout, such as 2.1, 3.1, 5.1, and 7.1 configurations without height, surround, or rear surround speakers deployed. It uses sophisticated DSP-based algorithms to place the audience at the center of a multidimensional soundfield with height and surround spatiality, and is equally effective in large or small spaces. DTS Virtual:X works in the 3D domain with DTS:X soundtracks, DTS formats, and non-encoded stereo.

Ready for 4K HDR entertainment

Enjoy comprehensive support for 4K/60p and HDR (High Dynamic Range) video formats including HDR10, HLG, Dolby Vision®, and BT.2020. The 4:4:4 color-space is also supported. All four HDMI® inputs and ARC-ready output pass video from the receiver to your compatible TV, unlocking everything the latest films and games have to offer. You can easily confirm A/V input-output status via a new OSD window.

More power, more realism, more magic

It's tempting to see watts as the most important figure on an amp's spec sheet. However, watts are an indication of loudness, not sound quality. Amperes—electrical current—tell the real story. The more current an amplifier develops, the better it controls the speakers. Better control equals fast transient response, wide dynamic range, and clear, accurate sound. The high-output transformer, large capacitors, and discrete amps inside the TX-SR494 produce the most current in its class. And that's one big reason why it sounds as good as it does.



location from a measurement position, and sets appropriate sound-pressure levels. It then selects the ideal subwoofer crossover and applies equalization to all speakers. AccuReflex technology optimizes reproduction of object-based audio through Dolby Atmos-enabled speakers. It resolves phase-shift arising from path differences between directional and non-directional sounds. Along with improved localization, a 3D field with vertical movement and overhead dimensionality is produced.



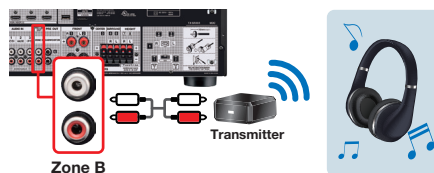
Hear dialog clearly at the touch of a button

Finally, a fast and effective solution to inaudible dialog in TV programs and movies. The TX-SR494 features DSP-controlled Vocal Enhancer that identifies vocal frequencies and allows you to raise or lower them to taste using keys on the remote or via the tone controls on the receiver's front panel.



Share the atmosphere or relax in privacy

A fantastic addition to the TX-SR494 is a Zone B pre-/line-out. It connects a component with an analog RCA line input to audio sources available to the receiver, including HDMI and digital audio. Share sound to a hi-fi in a nearby space, or connect a supported charging transmitter dock for wireless headphones and enjoy your entertainment without disturbing anybody.

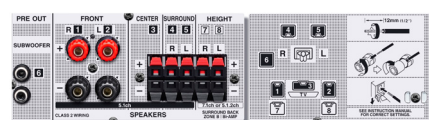


Powered Zone B Audio or front-channel bi-amping

The Height/Surround Back/Bi-Amp/Zone B speaker outputs can drive stereo speakers in another room with a 5.2-ch setup in the main room. The outputs can share any AVR source exclusively in Zone B, or play the same source in Main and Zone B. Alternatively, you can bi-amp your pair of compatible front speakers.

Simple steps to sweet sound

The TX-SR494 simplifies your room's entertainment setup. Components plug into labelled ports while your TV connects via one easy-to-conceal HDMI cable. Hook up your speakers as shown by a friendly diagram next to the numbered speaker terminals. Setup takes moments, enjoyment is limitless.



Smooth and easy Bluetooth® streaming

Whatever audio is playing on your phone, tablet, or PC app can be streamed to the TX-SR494 with Bluetooth wireless technology. Once the receiver has paired with and remembered your device, it will start playback automatically whenever it detects an incoming Bluetooth audio stream.

Decompress with Advanced Music Optimizer™

When an audio file is squeezed into a small container (such as MP3), high-frequency data is lost. This can affect sound quality. Onkyo's Advanced Music Optimizer DSP listening mode reconstructs the missing bit data. Playback quality is greatly improved, while you enjoy the same convenient file sizes. This mode also optimizes Bluetooth streaming playback quality.

USB power for streaming dongles

A USB port on the rear panel powers any media streaming stick plugged into an adjacent HDMI input—great if you don't have enough power-points.

SPECIFICATIONS

Amplifier Section

Power output (Front L/R / Center / Surround L/R / Height L/R)
160 W/Ch (6 ohms, 1 kHz, 10% THD, 1 channel driven)
80 W/Ch (8 ohms, 20 Hz–20 kHz, 0.08% THD, 2 channels driven, FTC)

THD+N (Total Harmonic Distortion + Noise)
0.08% (20 Hz–20 kHz, Half Power)

Input sensitivity and impedance

200 mV rms/47 k-ohms (Line)

Frequency response
10 Hz–100 kHz/±1 dB, -3 dB (Direct Mode)

Tone control
±10 dB, 20 Hz (Bass) ±10 dB, 20 kHz (Treble)

Signal-to-noise ratio
109 dB (Line, IHF-A)

Speaker impedance
4 ohms–16 ohms

Tuner Section

Tuning frequency range
FM 87.5 MHz–107.9 MHz

FM/AM preset memory
40 Stations

General

Power supply
AC 120 V~, 60 Hz

Power consumption
490 W

Standby power consumption
0.1 W

Dimensions (W x H x D)
17 1/8" x 6 3/16" x 12 13/16" (435 x 160 x 328 mm)

Weight
18.1 lbs. (8.2 kg)

CARTON

Dimensions (W x H x D)
20 1/16" x 9 7/16" x 15 1/16" (525 x 240 x 405 mm)

Weight
23.1 lbs. (10.5 kg)

UPC CODE

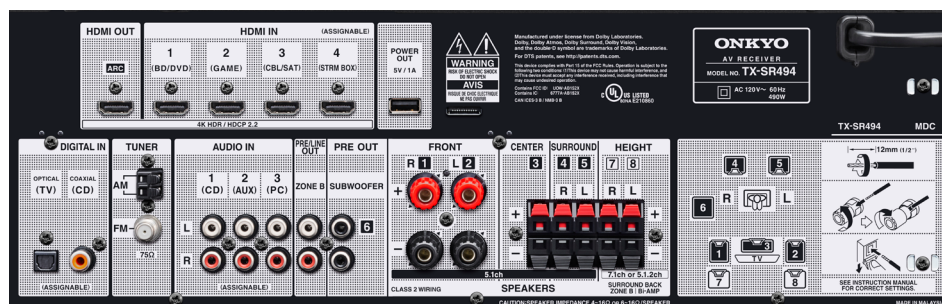
(B)
889951002871

Supplied Accessories

- Indoor FM antenna • AM loop antenna • Quick Start Guide
- Setup Mic for AccuEQ • Remote controller • AAA (R03) batteries x 2

AccuEQ Room Acoustic Calibration with AccuReflex

AccuEQ Room Acoustic Calibration creates a harmonious soundfield in your room. It detects speaker presence, size, and



Text on receiver may vary with region.

Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without notice. Manufactured under license from Dolby Laboratories. Dolby, the double-D symbol, Dolby Atmos, Dolby Surround, Dolby Vision, and Dolby TrueHD are trademarks of Dolby Laboratories. For DTS patents, see <http://patents.dts.com>. Manufactured under license from DTS, Inc. DTS, the Symbol, DTS and the Symbol together, DTSX and the DTSX logo, DTS Virtual:X and the DTS Virtual:X logo, DTS Neural:X and the DTS Neural:X logo, and DTS-HD Master Audio and the DTS-HD Master Audio logo are registered trademarks or trademarks of DTS, Inc. in the United States and/or other countries. © DTS, Inc. All Rights Reserved. The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. Products displaying the Hi-Res Audio logo conform to the Hi-Res Audio logo standard as defined by Japan Audio Society. The Hi-Res Audio logo is used under license from Japan Audio Society. AccuEQ and Music Optimizer are trademarks of Onkyo Corporation. All other trademarks and registered trademarks are the property of their respective holders.



<http://www.onkyo.com/>

Copyright © 2019 Onkyo Corporation. All rights reserved.