

TX-8555 Stereo Receiver

SILVER **BLACK**


Pure Stereo Sound for Music and Connected A/V Sources

Recent years have ushered in a new era in flat-screen displays, high-definition video, and sophisticated multi-channel audio. But there's still a vital role to be played by the dedicated audio system. This streamlined two-channel receiver lets you focus solely on your music or get high-quality sound from movies, broadcasts, and gaming. The TX-8555 is packed with proprietary Onkyo amplifier technology and housed in a sturdy, vibration-resistant chassis. Whether it's channelling your iPod, CDs, or other traditional audio sources, the TX-8555 translates your music with effortless power and finesse. It even offers Zone 2 capability, so you can simultaneously play a separate audio source in a second room.

WRAT (Wide Range Amplifier Technology)

The TX-8555 incorporates WRAT, an amalgam of proprietary Onkyo technologies that ensure optimal audio performance. WRAT delivers three main audio benefits:

(1) Low Negative-Feedback Design to Handle Program Peaks

Negative feedback (NFB) is a cheap way of reducing noise at lower frequencies, but it comes with a couple of drawbacks. For a start, NFB inhibits the amplifier's ability to respond to large signal gains, such as orchestral crescendos. And secondly, NFB interferes with the reproduction of high frequencies. To counter these problems, the TX-8555 uses minimal negative feedback and incorporates audiophile-grade, close-tolerance components at critical points in the signal path. This helps it to achieve a frequency response out to 100 kHz for high-resolution audio and standard-definition music sources.

(2) Closed Ground-Loop Circuits to Minimise Distortion at High Volumes

Noise results when an amplifier's ground potential (i.e. voltage) fluctuates during playback. In an open-loop circuit design, where all circuits are connected to the power supply via a single loop (as on many amplifiers), noise increases cumulatively. The TX-8555 deals with this issue by using a closed-circuit design in which each circuit has its own separate loop connecting it to the power supply. This prevents the compounding of circuit noise, thus keeping the ground potential free of distortion.

(3) High Instantaneous-Current Capability for More Dynamic Audio

When an amplifier outputs an audio signal, the speaker absorbs energy, reflexes, and sends energy back to the amplifier, which must then, in turn, cancel this energy and be ready to instantaneously send out the next signal. To perform this successfully, an amplifier requires a high instantaneous-current capability. The same capability is needed to handle speaker impedance fluctuations, which can force an amplifier to provide four to six times its usual current load. With this in mind, the TX-8555 has been designed to ensure audio output remains unaffected by power limitations.

High-Current, Low-Impedance Drive

A receiver's ability to deliver increased power output into low impedances is a vital element in its overall performance. If the current flow to your loudspeakers is inconsistent, audio output will be compromised. When compounded by inferior parts and design, the sound can distort on musical peaks; the bass can lose impact; the dynamic range can become cramped; the musical timbre can harden; or the soundstage can collapse. Thanks to its discrete output stage and highly capable power transformer, the TX-8555 can drive any number of speakers.

Audio Playback in Two Separate Rooms

The TX-8555 can be set up in one of two ways to distribute audio to another room. One way is to use the Speaker A/B function to send the main room's audio source to speakers in a second room. In this case, the secondary speakers are connected to dedicated terminals on the TX-8555. Alternatively, you can use the Zone 2 pre outs to send an audio signal to an amplifier in another room. Unlike the Speaker A/B function, the Zone 2 function lets you select a different playback source from the one playing in your main room. It also lets you remotely control volume, tone, balance, and muting in the second zone. Furthermore, IR connections on the TX-8555 enable it to interface with a multi-room distribution and control system, such as one offered by Niles® or Xantech®.

iPod Compatibility via Onkyo's RI (Remote Interactive) System

RI capability enables you to connect other Onkyo components to the TX-8555 and operate them all via a single remote controller. It also makes it possible to integrate an iPod with the TX-8555 through one of Onkyo's specially designed RI docks for the iPod*. These docks deliver a more full-bodied and detailed sound than can be achieved by a direct connection. While ensuring that your personal iTunes collection is delivered to the stereo system with as much fidelity as possible, the RI dock also serves to recharge your iPod's battery.

*RI dock not included.



TX-8555 Stereo Receiver

AMPLIFIER AND CONNECTIVITY FEATURES

- 125 W/Ch, 4 Ω, 1 kHz, IEC (1 Channel Driven)
- WRAT (Wide Range Amplifier Technology)
- High-Current, Low-Impedance Drive
- Discrete Output Stage Circuitry
- 2 Audio (CD, Tape) and 4 A/V (Game/TV, CBL/SAT, DVD, VCR/DVR) Inputs
- 1 Audio and 1 A/V Output
- Zone 2 Pre Out
- Subwoofer Pre Out
- Phono Input
- Massive Power Transformer
- Heavy-Duty Extruded Heat Sink for Maximum Heat Dissipation
- Speaker A/B Drive
- Direct Mode
- Pure Audio Mode
- IR Input/Output
- Independent Treble, Bass, and Balance Control

TUNER FEATURES

- 40 FM/AM Random Presets
- Preset Station Naming (Up to 8 Characters)
- Direct Access Tuning with 10 Key Buttons
- RDS (PS/PTY/RT/TP)

OTHER FEATURES

- Newly Designed Brushed Hairline Aluminum Front Panel
- Headphone Jack
- Audio Mute (via Remote)
- 3-Mode Display Dimmer (Dim/Dark/Normal)
- Sleep Timer (via Remote)
- Battery-Free Memory Back-up
- Non-Resonant Feet
- Compatible with RI Dock for the iPod
- Banana Plug-Compatible Speaker Posts
- RI (Remote Interactive) Remote Control

SPECIFICATIONS

AMPLIFIER SECTION

Power Output	125 W + 125 W (4 Ω, 1 kHz, 1 channel driven, IEC)
Dynamic Power	145 W + 145 W (2 Ω) 120 W + 120 W (4 Ω) 75 W + 75 W (8 Ω)
THD (Total Harmonic Distortion)	0.08% (Rated power)
Damping Factor	60 (1 kHz, 8 Ω)
Input Sensitivity and Impedance	Line 150 mV/50 kΩ Phono MM 2.5 mV/50 kΩ
Output Level and Impedance	Rec out 150 mV/2.2 kΩ
Phono Overload	120 mV (MM, 1 kHz, 0.5%)
Frequency Response	10 Hz–100 kHz (+1 dB, -3 dB)
Tone Control	±10 dB, 100 Hz (Bass) ±10 dB, 10 kHz (Treble)
Signal-to-Noise Ratio	Line 100 dB (IHF-A) Phono MM 80 dB (IHF-A)
Speaker Impedance	4 Ω–16 Ω, 8 Ω–16 Ω

VIDEO SECTION

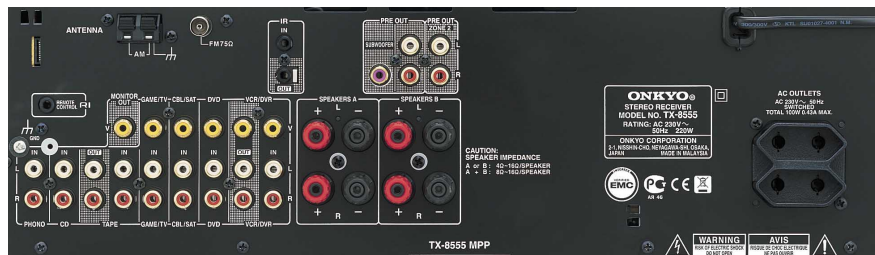
Input Sensitivity/Output Level and Impedance	1 Vp-p/75 Ω (Composite)
---	-------------------------

TUNER SECTION

[FM]	Tuning Frequency Range 87.5 MHz–108 MHz
[AM]	Tuning Frequency Range 522 kHz–1611 kHz

GENERAL

Power Supply	AC 230–240 V~, 50 Hz
Power Consumption	220 W
Standby Power Consumption	0.3 W
Dimensions (W x H x D)	435 x 149 x 340 mm
Weight	8.5 kg
■ CARTON	Dimensions (W x H x D) 560 x 250 x 419 mm
	Weight 11.0 kg



Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without notice. iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries. All other trademarks and registered trademarks are the property of their respective holders.



Onkyo Corporation 2-1 Nishshin-cho, Neyagawa-shi, Osaka 572-8540, JAPAN Tel: +81-72-831-8136 Fax: +81-72-833-5222 <http://www.onkyo.com/>
 Onkyo Europe Electronics GmbH Liegiltzerstrasse 6, 82194 Grobenzell, GERMANY Tel: +49-8142-4401-0 Fax: +49-8142-4401-555 <http://www.eu.onkyo.com/>
 Onkyo UK Office Suite 1 Gregories Court, Gregories Road, Beaconsfield, Buckinghamshire HP9 1HQ, UNITED KINGDOM Tel: +44(0)1494-681515 Fax: +44(0)1494-680452 <http://www.onkyo.co.uk>