

# TX-8050 NETWORK STEREO RECEIVER

SILVER | BLACK

WRAT  
WIDE RANGE AMP TECHNOLOGY

NETWORK



lost.fm



USB RDS RI

Made for  
iPod iPhone

## Quality Stereo Audio with Added Network Functionality

Onkyo's hi-fi revolution gathers pace with the TX-8050. This finely sculpted stereo receiver delivers two channels of audio precision to entertainment spaces where you don't need advanced video processing or multichannel audio. Analog A/V inputs on the TX-8050 are augmented by digital optical and coaxial audio inputs, a Universal Port for Onkyo peripherals, and a front-side USB input for direct digital connection of iPod/iPhone. The receiver's network capability, meanwhile, lets you stream internet radio or play audio from a PC or network audio storage device. Behind the smart aluminum façade lies a massive transformer and large capacitors that provide clean amplification power and help push performance well beyond the norm.

### AMPLIFIER AND CONNECTION FEATURES

- 130 W/Ch at 6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC
- WRAT (Wide Range Amplifier Technology)
- Discrete Amplifier Design with Massive EI Transformer
- Two Large 8,200 μF Capacitors
- TI Aureus™ DSP Chip (DA830) for Network Audio and Digital Audio Processing
- Direct Digital Connection of iPod/iPhone via Front-Panel USB Port
- Handles Playback of Mass Storage Class USB Memory
- Compatible with UWF-1 Wireless LAN Adapter (via USB)
- Playback of Audio Files Through Local Network (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, LPCM)

- Internet Radio and Music Streaming Service Connectivity (vTuner, Last.fm®, Napster®)
- Certified with Windows® 7 and DLNA Version 1.5
- Universal Port for Onkyo Peripheral Devices Such as UP-A1 Dock for iPod/iPhone or UP-DT1 DAB+ Radio Tuner
- Pure Audio Mode
- Direct Mode
- 4 Composite Video Inputs and 2 Outputs
- 4 Digital Audio Inputs (2 Optical and 2 Coaxial)
- 6 Analog Audio Inputs and 2 Outputs
- Phono Input
- Zone 2 Pre Outs for Distributed Audio Playback in Another Room
- Audio L/R and Subwoofer Pre Outs
- Speaker A/B Drive
- IR Input and Output
- Headphone Jack

\*Availability of services depends on region.

### TUNER FEATURES

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

### OTHER FEATURES

- Aluminum Front Panel
- Anti-Vibration Oval Chassis
- Gold-Plated Audio and Video Terminals
- Banana Plug-Compatible Speaker Posts
- Independent Bass, Treble, and Balance Control
- 3-Mode Display Dimmer (Normal/Dim/Dimmer)
- Sleep Timer (via Remote)
- Battery-Free Memory Back-up
- Compatible with RI (Remote Interactive) Dock for the iPod/iPhone
- Full-Function RI Remote Control



# TX-8050 NETWORK STEREO RECEIVER

## WRAT (Wide Range Amplifier Technology)

The TX-8050 employs a host of proprietary Onkyo technologies to ensure optimal audio performance.

### Low Negative-Feedback Design

Too much NFB makes a system susceptible to counter-electromotive force from the speakers, resulting in a drop in perceived sound quality. To avoid this, Onkyo focuses on improving the frequency response and reducing distortion, without relying so much on NFB.

### Closed Ground-Loop Circuits

The TX-8050 employs a sophisticated closed-circuit design in which each circuit has a separate link to the power supply. This helps to cancel individual circuit noise and keep the ground potential free of distortion.

### HICC (High Instantaneous-Current Capability)

HICC enables an amplifier to immediately cancel the speakers' reflex energy and instantaneously send out the next signal. The same high current required to achieve this also supports the amplifier's ability to handle speaker impedance fluctuations.

## Network Capability Delivers Internet Radio and Network Audio Streaming via Ethernet

As one of Onkyo's new breed of receivers that can link directly to the internet or to your home PC via a local network, the TX-8050 takes streaming audio and internet radio to a whole new level. MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, and LPCM audio files can now be played back through your main system with unprecedented power and fidelity. The TX-8050 also brings to life a huge array of internet radio channels from Last.fm\* and vTuner, plus on-demand music streaming from Napster\*. As well as being compatible with earlier platforms, the receiver is compatible with Microsoft's Windows® 7 platform, which includes the DLNA 1.5-specified "Play To" media-streaming feature.

\*Availability of services depends on region.

## Direct Digital Connection of iPod/iPhone via Front-Panel USB Port

The TX-8050's front-panel USB port lets you access MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, and AAC audio files stored on a USB flash drive or iPod/iPhone. As the audio signals are transported in digital form, rather than analog, there is much less chance for signal degradation. End result: your music sounds cleaner and more faithful to the original. A further benefit of the USB input is that it lets you use the system's remote controller to play back audio files on the connected device.

## Play Your Audio Sources in Two Different Rooms

Zone 2 pre-outs on the TX-8050 allow you to send a stereo audio signal to a second room equipped with an amplifier and a pair of speakers. You can either enjoy the same source in both rooms, or play a different source in Zone 2.

## Universal Port for Single-Cable Connection of Onkyo Peripheral Devices

A proprietary Universal Port located on the rear side of the TX-8050 lets you connect an optional UP-A1 Dock for iPod/iPhone or UP-DT1 DAB+ Radio Tuner. A key advantage of the Universal Port is that it accepts video and audio signals through the same cable that sends a power supply from the receiver to the device. Net result: more connectivity, less cable clutter.

## SPECIFICATIONS

### Amplifier Section

<b>Power Output</b>	130 W + 130 W (6 Ω, 1 kHz, 1%, 1 channel driven, IEC)
<b>Dynamic Power</b>	180 W + 180 W (3 Ω) 160 W + 160 W (4 Ω) 100 W + 100 W (8 Ω)

<b>THD+N (Total Harmonic Distortion + Noise)</b>	0.08% (20 Hz–20 kHz, Half power)
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<b>Damping Factor</b>	60 (1 kHz, 8 Ω)
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<b>Input Sensitivity and Impedance</b>	
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Line	200 mV/47 kΩ
Phono MM	2.5 mV/47 kΩ

<b>Rated RCA Output Level and Impedance</b>	
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Rec out	200 mV/2.2 kΩ
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<b>Maximum RCA Output Level and Impedance</b>	
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Rec out	2.0 V/2.2 kΩ
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<b>Phono Overload</b>	60 mV (MM, 1 kHz, 0.5%)
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<b>Frequency Response</b>	5 Hz–100 kHz (+1 dB, -3 dB)
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<b>Tone Control</b>	±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)
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<b>Signal-to-Noise Ratio</b>	
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Line	106 dB (IHF-A)
Phono MM	80 dB (IHF-A)

<b>Speaker Impedance</b>	4 Ω–16 Ω (A or B), 8 Ω–16 Ω (A + B)
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### Video Section

<b>Input Sensitivity/Output Level and Impedance</b>	
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	1.0 Vp–p/75 Ω (Composite)
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### Tuner Section

<b>Tuning Frequency Range</b>	
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FM	87.5 MHz–108 MHz
AM	522 kHz–1,611 kHz 530 kHz–1,710 kHz

<b>General</b>	
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<b>Power Supply</b>	AC 230 V–, 50 Hz
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<b>Power Consumption</b>	295 W
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<b>Dimensions (W x H x D)</b>	435 x 149.5 x 328 mm
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<b>Weight</b>	8.8 kg
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### CARTON

<b>Dimensions (W x H x D)</b>	572 x 264 x 419 mm
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<b>Weight</b>	11.4 kg
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### Supplied Accessories

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