

# ONKYO®

Audio/Video Products 2017-2018



YOUR HOME.  
YOUR MUSIC.  
NO LIMITS.



[www.eu.onkyo.com](http://www.eu.onkyo.com)

# MULTI-ROOM MUSIC



Products with Next Generation Network Audio support Chromecast built-in, FireConnect™, and DTS Play-Fi® multi-room streaming platforms, as well as the latest AI voice control technology. Spotify®, TIDAL, TuneIn, and Deezer are fully integrated. Use Onkyo Controller for intuitive multi-zone management and experience music without boundaries.



## Onkyo Controller for Phone and Tablet

Onkyo Controller for iPhone, iPad, and Android™ devices has an easy-to-use interface navigated with familiar gestures. It's simple to control your component, select music, and manage playback in multiple zones at the same time.



Onkyo Controller for iOS/Android™



## Ready for DTS Play-Fi® Multi-room Audio

DTS Play-Fi allows you to enjoy high-quality music from connected online services, networked media servers, and your device library over Wi-Fi® to any number of compatible products using the Onkyo Music Control app available for iPad, iPhone, and Android phones/tablets. DTS Play-Fi automatically synchronizes the music in every room throughout your house. Each member of your family can use their smartphone or tablet to listen to their own music in their own room or groups of rooms in your home.

\* Requires firmware update.



More information:  
[www.play-fi.com](http://www.play-fi.com)



## Supports Chromecast built-in and Google Assistant

Enjoy any music you want with Chromecast built-in audio streaming. Play from supported applications for iPhone, iPad, Android phone and tablet, Mac and Windows laptop, and Chromebook on compatible audio systems. Control with your voice in conjunction with speakers powered by Google Assistant.



More information:  
[www.google.com/chromecast/built-in](http://www.google.com/chromecast/built-in)



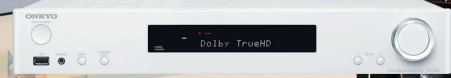
More information:  
<https://assistant.google.com/>



## Multi-room Mirroring with FireConnect™

Mirror network and analog audio available to the master component on supported wireless speakers over FireConnect™. Share music from on-demand services, stream via media server, or hear an LP in every room. Select, group, and control multiple sources with Onkyo Controller.

# FOR EVERY LIFESTYLE.



WATCH INTRO VIDEO



# Hear Every Detail. Feel Every Emotion.

Onkyo's philosophy for delivering wholly immersive entertainment focuses not on theoretical performance, but on how the sound feels in real life. Our approach to amplification achieves natural transient and dynamic response to express the energy in music, confidently driving any speaker system with full-bandwidth signals untainted by distortion. Whether enjoying vinyl or an object-mixed film soundtrack, be transported into the world created by musician and director. Expect transcendence without caveat or compromise from a selection of products built by professionals who live for great sound.



Use QR Code to view full specs.

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## TX-RZ820

7.2-Channel Network A/V Receiver

- 180 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC)
- RZ Series 7.2-Channel Reference Product with High-Current Customized Transformer, Custom Capacitors, Alloy Heat Sink, Front Panel, and Flap Door
- THX® Certified Select™ for Cinema-Reference Volume and Sound Quality
- Dynamic Audio Amplification with 5 Hz–100 kHz Frequency Response
- Non-Phase-Shift Amps, VLSC™ (All Channels), and 384 kHz/32-bit AKM DAC
- Powered Zone 2, Zone 2/3 Pre-/Line Out with DAC for Digital/Analog Distribution, and 7.2-Ch Pre-Outs
- 5.2.2-Ch Dolby Atmos®, DTS:X™, DTS Neural X, Dolby Surround, and AccuEQ with AccuReflex
- HDMI® (7 In, 2 Out) with HDCP 2.2, 4K/60p/4:4:4, Dolby Vision™, HDR10, HLG, BT.2020 Pass-through
- FireConnect™ Wireless Audio, Chromecast built-in, DTS Play-Fi®, AirPlay, Hi-Res Audio, Direct DSD 11.2 MHz, and Onkyo Controller App



Introducing Our Reference 7.2-Channel A/V Receiver

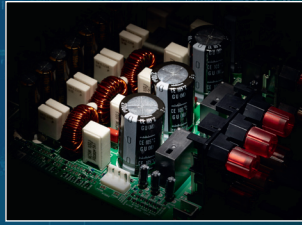


# Dynamic Audio Amplification



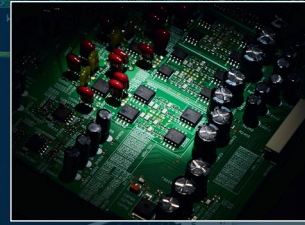
### High Current Architecture

To generate high current needed to precisely control speaker drivers—so they can react instantly to dynamic signal changes and articulate nuanced detail—Onkyo fabricates its own custom high-output transformers and capacitors.



### Non-Phase-Shift Amplifiers

Original amp circuitry ensures that sounds of different frequencies arrive at your ears at exactly the same time. Accurate phase alignment means comfortable, well-focused sound across a holographic soundstage.



### Patented VLSC™ Processing

Vector Linear Shaping Circuitry (VLSC) completely erases high-frequency noise generated by the DAC. Audible sound is unblemished by harmonic distortion. The result is incredible clarity of detail.

### RZ Series: What's the Difference?

The RZ Series offers a step up in performance for enthusiasts demanding audiophile sound. Design elements such as separated circuitry, expanded connectivity, and upgraded parts contribute to full-scale reproduction to 5 Hz with fathomless driving power at cinema reference volume.



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## TX-RZ720

7.2-Channel Network A/V Receiver

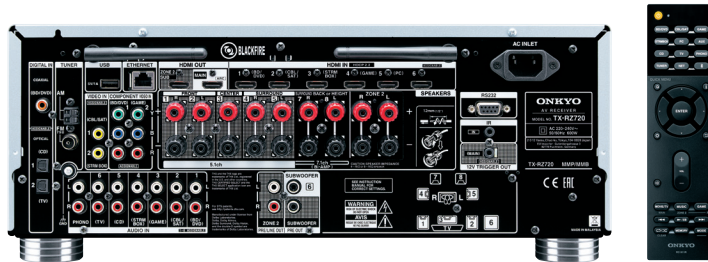
- 175 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC)
- THX® Certified Select™ for Cinema-Reference Audio Performance
- Dynamic Audio Amplification with 5 Hz–100 kHz Frequency Response
- High-Current Custom Transformer, Custom Capacitors, Non-Phase-Shift Amps, VLSC™ (Front L/R), and 384 kHz/32-bit AKM DAC
- Powered Zone 2, Zone 2 Pre-/Line Outputs with DAC for NET/S-PDIF/HDMI Audio Distribution
- 5.2.2-Ch Dolby Atmos®, DTS:X™, DTS Neural X, Dolby Surround, and AccuEQ with AccuReflex
- HDMI® (7 In, 2 Out) with HDCP 2.2, 4K/60p/4:4:4, Dolby Vision™, HDR10, HLG, BT.2020 Pass-through
- FireConnect™ Wireless Audio, Chromecast built-in, DTS Play-Fi®, AirPlay, Hi-Res Audio, and Onkyo Controller App
- AccuEQ Auto Speaker Calibration with AccuReflex for Dolby Atmos-enabled Speakers
- 5 GHz/2.4 GHz Wi-Fi® and Bluetooth® Wireless Audio with Music Optimizer



Microphone for AccuEQ



Treat Yourself to THX® Certified Select™ Cinema



Note: HDMI Front Input does not support 4K/60p/4:4:4/24-bit video, HDR10, Dolby Vision, HLG, or BT.2020. Please check App Store or Google Play™ for minimum device requirements for Onkyo Controller app.

# PR-RZ5100

11.2-Channel Network A/V Controller



- Flagship THX® Ultra2™ Plus Cinema-Reference Performance
- 7.2.4-Ch Dolby Atmos®, DTS:X™ with DTS Neural:X™ Upmixing
- Reinforced Chassis, Shielded Low-Hum Transformer, Sub-transformer, AKM 384 kHz/32-bit Stereo DAC (FL/FR), AKM 768 kHz/32-bit DACs x 2 (SR)
- Latest Next Generation Network Audio Suite with Onkyo Controller
- HDMI® 8 In, 2 Out, HDCP 2.2/4K-HDR
- 11.2-Ch XLR Outputs, 11.2-Ch Pre-Outs, Zone 2/3 Pre-/Line Outs for Multi-room Digital/Analog Audio, 12 V Trigger, IR Input, and RS-232C
- Separate DACs for Zone 2 and Zone 3 Digital Decoding
- AccuEQ with AccuReflex for Dolby Atmos-enabled Speakers



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# TX-RZ3100

11.2-Channel Network A/V Receiver



- 200 W/Ch THX® Select2™ Plus High-Current Amplification with 7.2.4-Ch Dolby Atmos, DTS:X, DTS Neural:X Upmixing
- Custom Transformer, Sub-transformer, Hi-Current Capacitors, Modular Digital/Analog Circuit Blocks, AKM 384 kHz/32-bit Stereo DAC (FL/FR), 768 kHz/32-bit DACs x 2 (SR)
- Chromecast built-in, AirPlay, DTS Play-Fi, FireConnect™, Wi-Fi®, and Onkyo Controller
- AccuEQ with Standing Wave Correction and Customizable EQ, AccuReflex for Dolby Atmos-enabled Speakers
- HDMI 8 In, 2 Out, HDCP 2.2/4K-HDR, 11.2-Ch Pre-Outs, 12 V Trigger, IR Input, RS-232C
- Powered Zone 2 and Zone 3 Multi-room Digital/Analog Audio



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# TX-RZ1100

9.2-Channel Network A/V Receiver



- 200 W/Ch THX Select2™ Plus High-Current Amplification with 7.2.4-Ch Dolby Atmos, DTS:X with DTS Neural:X Upmixing
- Custom Transformer, Sub-transformer, Hi-Current Capacitors, Separate Digital/Analog Circuit Blocks, VLSC™, AKM 384 kHz/32-bit Stereo DAC (FL/FR), 768 kHz/32-bit DACs x 2 (SR)
- Chromecast built-in, AirPlay, DTS Play-Fi, FireConnect™, Wi-Fi, Onkyo Controller, and Bluetooth®
- AccuEQ with Standing Wave Correction and Customizable EQ, AccuReflex for Dolby Atmos-enabled Speakers
- HDMI 8 In, 2 Out, HDCP 2.2/4K-HDR, 11.2-Ch Pre-Outs, 12 V Trigger, IR Input, RS-232C
- Powered Zone 2 and Zone 3 Multi-room Digital/Analog Audio, Zone 2/3 Pre-/Line Outs



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# TX-NR676E

7.2-Channel Network A/V Receiver



- 165 W/Ch with 5.2.2-Ch Dolby Atmos® and DTS:X™ with Dolby Surround and DTS Neural:X™ Upmixing
- Dynamic Audio Amplification, Hi-Current H.C.P.S. Transformer, 4-Ohm Speaker Drive, Discrete Non-Phase-Shift Amps
- AKM AK4458 384 kHz/32-bit DAC, VLSC™ (FL/FR), Hi-Res Audio 192/24 and DSD 5.6 MHz/2.8 MHz
- HDMI® 7 In, 2 Out, 4K/60 Hz, HDR10, Dolby Vision™, BT.2020, HLG, HDCP 2.2 Pass-through
- Chromecast built-in, AirPlay, DTS Play-Fi®, FireConnect™, 5 GHz/2.4 GHz Wi-Fi®, Onkyo Controller, and Bluetooth®
- AccuEQ with AccuReflex for Dolby Atmos-enabled Speakers
- Powered Zone 2 Multi-room Digital/Analog Audio via Dedicated DAC, Zone 2 Line Out



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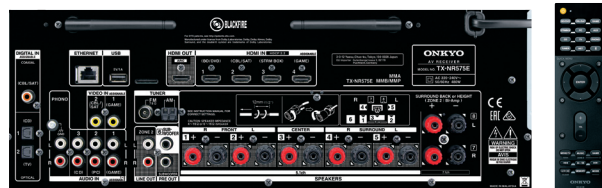


# TX-NR575E

7.2-Channel Network A/V Receiver



- 135 W/Ch with 5.2.2-Ch Dolby Atmos and DTS:X with Dolby Surround and DTS Neural:X Upmixing
- Dynamic Audio Amplification, Hi-Current H.C.P.S. Transformer, 4-Ohm Speaker Drive, Discrete Non-Phase-Shift Amps
- AKM AK4438 384 kHz/32-bit DAC, VLSC (FL/FR), Hi-Res Audio 192/24 and DSD 5.6 MHz/2.8 MHz
- HDMI 4 In, Main Out, 4K/60 Hz, HDR10, Dolby Vision, BT.2020, HLG, HDCP 2.2 Pass-through
- Chromecast built-in, AirPlay, DTS Play-Fi, FireConnect™, 5 GHz/2.4 GHz Wi-Fi, Onkyo Controller, and Bluetooth
- Powered Zone 2 Net/Analog Audio, Zone 2 Line Out, Dual Subwoofer Pre-Outs, 2 Composite Video Inputs, 4 Analog Audio Inputs
- Phono Input with MM Equalizer



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# TX-NR474

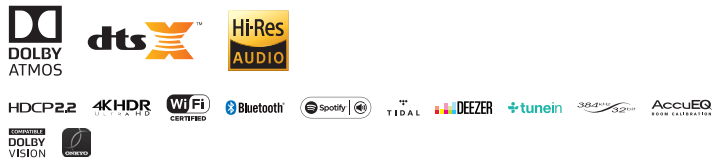
5.1-Channel Network A/V Receiver



- 135 W/Ch with Dolby Atmos (Native 3.1.2-Ch) and 5.1.2-Ch Emulation with Surround Enhancer Mode Based On Dolby® Technology
- 5.1-Ch DTS:X with DTS Neural:X Upmixing
- 4-Ohm Speaker Drive, Discrete Non-Phase-Shift Amps, AKM AK4438 384 kHz/32-bit DAC
- HDMI 4 In, Main Out, 4K/60 Hz, HDR10, Dolby Vision, BT.2020, HLG, HDCP 2.2 Pass-through
- Chromecast built-in, AirPlay, DTS Play-Fi, FireConnect™, 5 GHz/2.4 GHz Wi-Fi, Onkyo Controller, and Bluetooth
- 480i De-interlacing (480i to 480p) via HDMI
- AccuEQ with AccuReflex for Dolby Atmos-enabled Speakers
- 3 Digital Audio Inputs, 3 Analog Line Inputs, USB Input for Audio
- IP Control via LAN for Home Automation Systems



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Note: Power output measured at 6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC. For TX-NR676E, 6G Video/HDCP 2.2 is not supported on HDMI Front or Sub Out. HDMI Sub Out does not support ARC or CEC. Supports Bluetooth Version 4.1 +LE (A2DP v1.2, AVRCP v1.3). Please check App Store or Google Play™ for minimum device requirements for Onkyo Controller app.

# TX-SR373

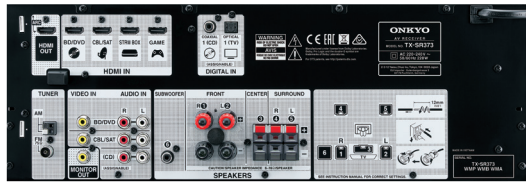
5.1-Channel A/V Receiver



- 140 W/Ch Discrete Analog Amplification with Hi-Current Power Supply
- Dolby® TrueHD and DTS-HD Master Audio™ Decoding
- HDMI® 4 In / 1 Out 4K/60 Hz, HDR, HDCP 2.2 Pass-through
- AccuEQ Speaker Calibration System
- Bluetooth® with Music Optimizer Technology, FM/RDS Tuner, and USB Audio Playback
- Composite Video 2 In/1 Out, Digital Audio 2 In, Analog Audio 3 In
- Easy-Setup Rear Panel with Connection Guide



Microphone for AccuEQ



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dts-hd HDCP2.2 4KHDR Bluetooth 100Watt AccuEQ

# TX-SR252

5.1-Channel A/V Receiver



- 100 W/Ch Discrete Analog Amplification with Hi-Current Power Supply
- 5.1-Ch Dolby TrueHD and DTS-HD Master Audio Decoding
- HDMI 4 In / 1 Out 4K/60 Hz, 4:4:4 Color Space, HDCP 2.2 Pass-through
- AM and FM/RDS Radio Tuners with 30-station Preset
- USB Audio Input for AAC/MP3 Audio
- Composite Video 2 In/1 Out, Digital Audio 2 In, Analog Audio 3 In
- Easy-Setup Rear Panel, HDMI Pass-through, and A/V Sync Control

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HDCP2.2 dts-hd DOLBY TRUEHD 100Watt USB

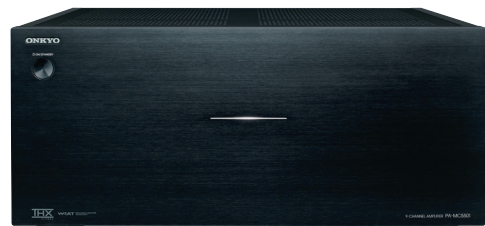
# PA-MC5501

9-Channel Amplifier



- 220 W x 9 Channels (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)
- THX® Ultra2™ Certified Multichannel Reference Cinema Performance
- Push-Pull Amplification Design with Three-Stage Inverted Darlington Circuitry
- Massive Custom Toroidal Transformer
- Two Custom 22,000 μF Capacitors for Effective Power Supply
- Large Custom-fabricated Power Transistors
- Flat and Rigid Anti-Resonant Chassis
- Gold-Plated XLR Inputs and Speaker Posts

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100Watt

# BD-SP809

Blu-ray Disc Player



- THX® Certified Reference BD Player
- 2 HDMI Outputs with 1080p Upscaling via Qdeo™ Technology
- Precision Clock for Optimal Timing of Digital Signals
- Ethernet Port for BD-Live™, Firmware Updates, and Media Streaming via Home Network
- Independent Circuit Blocks for Audio, Digital Video, and Analog Video to Reduce Electromagnetic Interference
- Center-Mounted Drive Mechanism for Optimal Weight Balance

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THX AVCHD DOLBY DIGITAL PLUS DOLBY TRUEHD DTS-HD Master Audio Essential QDEO Blu-ray 3D BD-LIVE BONUS VIEW dlna java

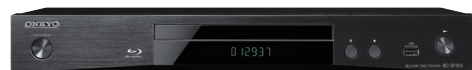
# BD-SP353

Blu-ray Disc Player



- HDMI Output Supports 1080p, Deep Color™, x.v.Color™ and CEC
- Supports Dolby TrueHD and DTS-HD Master Audio™ Essential
- 1080/24p Video Output for Full HD Movies on Blu-ray Discs and 1080p Video Upscaling
- Plays AVCHD\*, DivX Plus™ HD (MKV), MP3, and JPEG Formats
- USB Port for Hi-Res Audio Playback (192 kHz/24-bit WAV, FLAC)
- BD-Live Functionality for Interactive Content
- Optical Digital Audio Output
- Firmware Updates via USB

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Blu-ray Disc DOLBY DIGITAL PLUS DTS-HD Master Audio Essential BD-LIVE DIVX+ DVD VIDEO flac HDMI AVCHD BONUS VIEW x.v.Colour DTS



# OUT OF THIS WORLD SOUND



## HT-S9800THX

7.1-Channel Network A/V Receiver / Speaker Package



### HT-R997 7.2-Channel Network AV Receiver

- THX® Integrated System Certified with 165 W/Ch Dynamic Audio Amplification, Non-Phase-Shift Circuitry, VLSC™ (FU/FR), and AKM 384 kHz/32-bit DAC • 5.2.2-Ch Dolby Atmos®, DTS:X™, DTS Neural:X™, Dolby® Surround • HDMI® 7 In, 2 Out, 4K/60p, Dolby Vision™, HLG, HDR10, BT.2020, HDCP 2.2 Pass-through • Chromecast built-in, AirPlay, DTS Play-Fi®, FireConnect™, 5 GHz/2.4 GHz Wi-Fi®, Onkyo Controller, and Bluetooth® • AccuEQ with AccuReflex for Dolby Atmos-enabled Speakers • Powered Zone 2 Multi-room Network/S/PDIF/Analog Audio via Dedicated DAC, Zone 2 Line Out • WHD: 435 x 173.5 x 378 mm • 10.0 kg

### HTP-993 7.1-Channel Home Cinema Speaker System

- SKF-980 2-Way Acoustic-Suspension Front Speakers • WHD: 158 x 433 x 199 mm • 5.3 kg
- SKC-980 2-Way Acoustic-Suspension Center Speaker • WHD: 433 x 158 x 199 mm • 5.3 kg
- SKR-980/SKB-980 2-Way Acoustic-Suspension Surround/Surround Back Speakers • WHD: 200 x 275 x 169 mm • 3.5 kg
- SKW-938 Acoustic-Suspension Powered Subwoofer • WHD: 380 x 444 x 429 mm • 15.5 kg

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## HT-S7805

5.1.2-Channel Dolby Atmos® Network Home Cinema Package



### HT-R695 7.2-Channel Network AV Receiver

- 160 W/Ch Dynamic Audio Amplification, Non-Phase-Shift Circuitry, and AKM 384 kHz/32-bit DAC • 5.1.2-Ch Dolby Atmos, DTS:X, DTS Neural:X, AccuEQ with AccuReflex for Dolby Atmos-enabled Speakers • HDMI 8 In, 2 Out, 4K/60p, HDR, 4:4:4 Color Space, HDCP 2.2 Pass-through • Chromecast built-in, AirPlay, DTS Play-Fi, FireConnect™, 5 GHz/2.4 GHz Wi-Fi, Onkyo Controller, and Bluetooth • Built-in Network Streaming Services • AccuEQ with AccuReflex • Powered Zone 2 Multi-room Network/Analog Audio, Zone 2 Line Out • WHD: 435 x 173.5 x 378 mm • 10.0 kg

### HTP-678 5.1.2-Channel Home Cinema Speaker System

- SKF-693 Dolby Atmos-enabled 2-Way Bass Reflex Front Speakers/Full-Range Acoustic-Suspension Height Speakers • WHD: 155 x 467 x 183 mm • 3.6 kg
- SKC-591N 2-Way Bass Reflex Center Speaker • WHD: 420 x 115 x 119 mm • 2.4 kg
- SKR-590 Full-Range Acoustic-Suspension Surround Speakers • WHD: 115 x 230 x 96 mm • 1.0 kg
- SKW-658 Bass Reflex Powered Subwoofer • WHD: 230 x 425 x 410 mm • 7.7 kg



## HT-S5805

5.1.2-Channel Dolby Atmos® Home Cinema Package



### HT-R494 7.1-Channel AV Receiver

- 100 W/Ch Discrete Analog Amplification with Hi-Current Power Supply • 5.1.2-Ch Dolby Atmos Object-based Audio Reproduction • HDMI 4 In, Main Out, 4K/60 Hz, HDR, 4:4:4 Color Space, HDCP 2.2 Pass-through • AccuEQ Speaker Calibration System • Bluetooth with Music Optimizer Technology • STRM Port (Rear) for Powering Media Streaming Sticks • Composite Video 3 In, Digital Audio 3 In, Analog Audio 7 In • Easy-Setup Rear Panel • WHD: 435 x 160 x 328 mm • 8.0 kg

### HTP-588 5.1.2-Channel Home Cinema Speaker System

- SKF-594 2-Way Bass Reflex Front Speakers/Full-Range Acoustic-Suspension Height Speakers • WHD: 155 x 467 x 183 mm • 3.6 kg
- SKC-594 2-Way Bass Reflex Center Speaker • WHD: 409 x 115 x 121 mm • 2.2 kg
- SKR-594 Full-Range Acoustic-Suspension Surround Speakers • WHD: 115 x 230 x 96 mm • 1.0 kg
- SKW-658 Bass Reflex Powered Subwoofer • WHD: 230 x 425 x 410 mm • 7.7 kg

## HT-S3800

5.1-Channel Home Cinema Package



### HT-R395 5.1-Channel Home Cinema Receiver

- 100 W/Ch Discrete Analog Amplification with Hi-Current Power Supply • Dolby® TrueHD and DTS-HD Master Audio™ Decoding • HDMI 4 In, Main Out, 4K/60 Hz, HDR, 4:4:4 Color Space, HDCP 2.2 Pass-through • Bluetooth with Music Optimizer Technology, AM/FM Tuner, and USB Audio • Composite Video 2 In/1 Out, Digital Audio 2 In, Analog Audio 3 In • Easy-Setup Rear Panel • WHD: 435 x 168 x 326.5 mm • 7.7 kg

### HTP-395 5.1-Channel Home Cinema Speaker System

- SKF-395 Full-Range Acoustic-Suspension Front Speakers • WHD: 100 x 140 x 95 mm • 0.6 kg
- SKC-395 Full-Range Acoustic-Suspension Center Speaker • WHD: 240 x 95 x 95 mm • 0.7 kg
- SKR-395 Full-Range Acoustic-Suspension Surround Speakers • WHD: 100 x 140 x 95 mm • 0.6 kg
- SKW-395 Bass Reflex Subwoofer • WHD: 230 x 418 x 358 mm • 5.3 kg



Note: Power output measured at 6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC. 6G Video features and HDCP 2.2 is supported on select HDMI inputs and outputs depending on the model. Please see full specification on Onkyo website for more details. HT-S9800THX supports Bluetooth Version 4.1 +LE (A2DP v1.2, AVRCP v1.3). Other models support Bluetooth Version 2.1 +EDR (A2DP v1.2, AVRCP v1.3). All speakers feature an impedance of 8 Ω, color-coded speaker terminals and cable, and wall-mounting capability (excluding subwoofers). Please check App Store or Google Play™ for minimum device requirements for Onkyo Controller app.

## TECHNOLOGY KEY



DTS:X™ is an object-based audio format that places sound where it would occur naturally in space, creating the most lifelike multi-dimensional audio experience ever. DTS:X adapts to practically any home-theater speaker layout, so you have the freedom to choose what fits best in your home.



Dolby Atmos® sound format is mixed in multidimensional virtual space. Effects move from channel to channel around the listener, adapting to any layout incorporating height or Dolby Atmos-enabled speakers. Dolby Surround, included on selected models, upmixes legacy formats for convincing 3D playback in a Dolby Atmos-enabled environment.

**DTS Neural:X**

DTS Neural:X™ is an upmixing solution built into DTS:X. It identifies spatial cues within multichannel and PCM audio and enables near-native 3D playback through speaker systems set up for object-based audio.



High dynamic Range (HDR) significantly expands video's peak brightness, providing higher contrast for reproduction approaching that of human vision. Selected products support 4KHDR video on optical disc and streaming media services.



Dolby Vision™ is an HDR technology that enhances the brightness, color, and contrast of each pixel. It's capable of supporting color depths of up to 12 bits, a maximum 10,000 nits of brightness, and BT.2020 color gamut. The technology optimizes color, contrast, and brightness scene-by-scene for dynamic and immersive display.



THX® certified products deliver the same high volume and low distortion levels experienced in a commercial cinema in your home. Components must pass exhaustive bench-tests covering every aspect of performance to gain THX certification.



Next Generation Network Audio encompasses FireConnect™ multi-room distribution, the latest audio streaming platforms, streaming services, and the Onkyo Controller application, supported over 5 GHz/2.4 GHz Wi-Fi®.



Use your voice to control Onkyo components featuring Chromecast built-in together with an AI speaker powered by Google Assistant. You can power up and play from network services on any compatible system without lifting a finger.



FireConnect™ mirrors network and external analog audio sources connected to a master component on compatible wireless speakers. Music selection and playback management across the home are built into Onkyo Controller app.



Built-in Wi-Fi on selected products automatically selects the 5 GHz band to avoid network traffic and radio interference. The result is a very fast and stable connection for streaming audio, even where range boosters are used.



Stream music from smartphone, laptop, or PC to supported receivers with ease. Control playback from Chromecast-enabled apps you know and love from your iPhone, iPad, Android phone or tablet, Mac or Windows® laptop, or Chromebook™.



DTS Play-Fi® is a premium whole-house wireless audio technology featuring high quality audio transmission and whole-house synchronization over standard Wi-Fi networks. Listen to music from online services, networked media servers, or your device library via the Onkyo Music Control app for iPad, iPhone, and Android phones/tablets in any and all rooms of your home.  
\* Requires firmware update.



Enjoy easy access to your iTunes music library and Apple Music through supported Onkyo components with AirPlay. Song information and album art can be simultaneously displayed on a connected monitor or TV.



With Bluetooth® technology featured on selected products, you can stream virtually any audio playing on your mobile device or PC. Auto Connect and wake-on-signal gets music happening fast.



Network receivers incorporate access to millions of songs via the Spotify® music streaming service. Use the Spotify app to cast direct to the component with uninterrupted playback, or use Onkyo Controller to explore and play content.



TIDAL is a music subscription service currently offering two plans—TIDAL Premium for standard-quality audio and TIDAL HiFi for lossless audio streaming. The service currently offers a library of 400 million songs.



DEEZER offers a library of 35 million on-demand tracks. Users can choose either a free subscription or a paid one without ads. The service makes excellent suggestions for new music based on listening habits.



Selected Onkyo components come with TuneIn, opening the door to internet radio in your home. With over 100,000 stations, you can listen to free broadcasts of music, sports, news, and talk shows from around the world.



Onkyo's approach to amplification reproduces the energy in music without loss. Custom high-current transformers, capacitors, and discrete amplifier circuitry delivers excellent dynamic and transient response to express the life and emotion in any piece.



Vector Linear Shaping Circuitry (VLSC™) is a patented circuit technology that analyzes the audio signal during digital-to-analog conversion, filtering out high-frequency pulse-noise to present a highly accurate audio image.



Select Onkyo components feature premium audio DACs from AKM. With the latest 32-bit low-distortion filtering technology and excellent S/N performance, the devices help to deliver true-to-life audio reproduction.



Onkyo developed DIDRC Filter to accurately present the full dynamic range of Hi-Res Audio. Despite being inaudible, processing noise has a harmonic impact on the sound you hear. By improving linearity and reducing distortion above 100 kHz, DIDRC Filter presents a flawless high-resolution audio image.



DSD and non-encoded (PCM) 24-bit Hi-Res Audio deliver clear and spacious music reproduction with expanded dynamic range, extended frequency response, and lower noise. Selected products support DSD 2.8/5.6 MHz, Direct DSD 11.2 MHz, and 192/24 in FLAC, WAV, and Apple Lossless.



AccuEQ uses a mic to calibrate your cinema system for best performance in your room. It corrects variables such as speaker distance and sound pressure, while the premium version includes standing-wave correction. On object-audio receivers, AccuReflex phase-adjusts Dolby Atmos-enabled speakers for improved cohesion.



Enjoy movies and games at native resolution on your display with pass-through of 4K/60p signals via Onkyo receivers. All models feature 480i de-interlacing. Analog video passes from legacy players to the display over one HDMI cable. All models can play HDCP 2.2 copy-protected video.



Seven-channel receivers feature Powered Zone 2 speaker outputs. Enjoy 5.1-channel surround sound in your theater room and connect speakers in another room for Zone 2 stereo playback. Selected RZ Series models include Powered Zone 3 outputs and dedicated DACs for three-room entertainment.

## SKF-4800

BLACK

### Front Speakers

- 16 cm Cone Woofer x 2
- 2.5 cm Soft-Dome Tweeter
- Banana-plug-compatible Speaker Posts
- Woofer Equalizer Enables Fast and Accurate Response
- MDF Stabilizer Minimizes Vibration
- Stylish Floorstanding Design
- Impedance: 6 Ω
- Max. Input Power: 130 W
- Frequency Response: 55 Hz–35 kHz
- WHD: 295 x 1,024 x 305 mm
- 13.0 kg



## SKS-4800

### Center/Surround Speaker Package

BLACK



#### SKC-4800 2-Way Bass Reflex Center Speaker

- 8 cm Cone Woofer x 2 • 2.5 cm Balanced-Dome Tweeter • Magnetically Shielded • Impedance: 6 Ω • Max. Input Power: 130 W • Frequency Response: 65 Hz–50 kHz • WHD: 372 x 125 x 110 mm • 2.3 kg

#### SKR-4800

##### Full-Range Acoustic-Suspension Surround Speakers

- 8 cm Cone • Wall-mounting Capability • Impedance: 6 Ω • Max. Input Power: 60 W • Frequency Response: 80 Hz–18 kHz
- WHD: 117 x 180 x 100 mm • 0.9 kg

## SKW-208



### Bass Reflex Powered Subwoofer

- Rated Output Power: 120 W Minimum Continuous Power (4 Ω, 100 Hz, Maximum 1%) • 25 cm Cone • Adjustable Crossover Frequency (50 Hz–200 Hz) • Phase Switch (0° or 180°) • Output Level Control • Line Input • Frequency Response: 25 Hz–200 Hz • WHD: 275 x 507 x 411 mm • 11.6 kg

BLACK



## SKS-HT978THX

### THX®-Certified 5.1-Channel Home Cinema Speaker System



BLACK

THX A-OMF

#### SKF-980 2-Way Acoustic-Suspension Front Speakers

- 12 cm A-OMF Diaphragm Woofer x 2 • 2.5 cm Soft-Dome Tweeter • WHD: 158 x 433 x 199 mm • 5.3 kg

#### SKC-980 2-Way Acoustic-Suspension Center Speaker

- 12 cm A-OMF Diaphragm Woofer x 2 • 2.5 cm Soft-Dome Tweeter • WHD: 433 x 158 x 199 mm • 5.3 kg

#### SKR-980 2-Way Acoustic-Suspension Surround Speakers

- 13 cm A-OMF Diaphragm Woofer • 2.5 cm Soft-Dome Tweeter • WHD: 200 x 275 x 169 mm • 3.5 kg

#### SKW-938 Acoustic-Suspension Powered Subwoofer

- 30 cm Cone • Rated Output Power: 125 W (Minimum Continuous Power: 6 Ω, 100 Hz, 1%, IEC)
- WHD: 380 x 444 x 429 mm • 15.5 kg

All speakers feature an impedance of 8 Ω, maximum input power of 130 W, and wall-mounting capability.

## SKS-HT588

### Dolby Atmos®-Enabled 5.1.2-Channel Home Cinema Speaker System



BLACK

#### SKF-2800 Dolby Atmos®-Enabled Integrated Front & Height Speakers

- 12 cm Cone Woofer • 2.5 cm Balanced-Dome Tweeter
- 8 cm Cone (Separately Powered By Height Channel)
- WHD: 155 x 467 x 183 mm • 3.7 kg

#### SKC-594 2-Way Bass Reflex Center Speaker

- 8 cm Cone Woofer x 2 • 2.5 cm Balanced-Dome Tweeter
- WHD: 409 x 115 x 121 mm • 2.2 kg

#### SKR-594 Full-Range Acoustic-Suspension Surround Speakers

- 8 cm Cone • WHD: 115 x 230 x 96 mm • 1.0 kg

#### SKW-658 Bass Reflex Powered Subwoofer

- 20 cm Cone • Rated Output Power: 80 W (Minimum Continuous Power: 4 Ω, 100 Hz, 1%, IEC) • Down-firing
- WHD: 230 x 425 x 410 mm • 7.7 kg

All speakers feature an impedance of 6 Ω, maximum input power of 130 W, and wall-mounting capability.

## SKS-HT728

### 5.1-Channel Home Cinema Speaker System



#### SKF-770 Dual-Drive 2-Way Front Speakers

- 8 cm Cone Woofer x 2 • 2.5 cm Balanced-Dome Tweeter
- WHD: 262 x 1,050 x 262 mm • 5.2 kg

#### SKC-770 Dual-Drive 2-Way Center Speaker

- 8 cm Cone Woofer x 2 • 2.5 cm Balanced-Dome Tweeter
- WHD: 430 x 115 x 121 mm • 2.2 kg

#### SKR-770 Full-Range Acoustic-Suspension Surround Speakers

- 8 cm Cone • WHD: 115 x 230 x 96 mm • 1.0 kg

#### SKW-770 Bass Reflex Powered Subwoofer

- 25 cm Cone • Rated Output Power: 120 W (Minimum Continuous Power: 4 Ω, 100 Hz, 1%, IEC)
- Down-Firing • WHD: 275 x 507 x 411 mm • 11.6 kg

All speakers feature an impedance of 6 Ω, maximum input power of 130 W, and all except front speakers and subwoofer are wall-mountable.



BLACK

## SKS-HT528

### 5.1-Channel Home Cinema Speaker System



BLACK

#### SKF-528 Full-Range Bass Reflex Front Speakers

- 8 cm Cone Woofer • Max. Input Power: 120 W
- Gloss-finished • Magnetically Shielded
- WHD: 101 x 175 x 116 mm • 0.7 kg

#### SKC-528 Full-Range Bass Reflex Center Speaker

- 8 cm Cone Woofer • Max. Input Power: 120 W
- Gloss-finished • Magnetically Shielded
- WHD: 273 x 101 x 106 mm • 1.0 kg

#### SKR-528 Full-Range Bass Reflex Surround Speakers

- 8 cm Cone Woofer • Max. Input Power: 120 W
- Gloss-finished • Magnetically Shielded
- WHD: 101 x 175 x 116 mm • 0.7 kg

#### SKW-501 Bass Reflex Powered Subwoofer

- 20 cm Cone • Down-firing • Rated Output Power: 80 W (Minimum Continuous Power: 4 Ω, 100 Hz, IEC)
- WHD: 230 x 425 x 412 mm • 9.1 kg

All speakers feature an impedance of 6 Ω and wall-mounting capability.

## SKH-410

### Dolby Atmos®-Enabled Speaker System



- Dolby Atmos-Enabled Speakers with Atmos-Certified Special Network Inside
- Position On Existing Front or Rear Speakers or Wall-mount • 8 cm Cone Transducer
- Wood Cabinet Construction • High-Grade Cloth Grilles • Quality Black Hairline Finish
- Rated Input Power: 25 W • Maximum Input Power: 100 W • Includes Rubber Feet, 3 m Speaker Cables (x2), and Wall-mount Kit
- WHD: 120 x 155 x 153 mm • 1.2 kg

BLACK



Dolby Atmos-enabled SKH-410 speakers in a 7.1.2-channel home cinema



# Envision Series

THE FUTURE OF SOUND, TAILORED AROUND YOU.

## LS7200

3D Soundbar System



### HT-L05 5-Channel Network Receiver

- Efficient 50 W/Ch Amplification • Dolby Atmos® and DTS:X™ Object-based Audio Playback • Single Multichannel Cable Connection to Soundbar • 4 HDMI In/1 Out, 4K/60p, HDCP 2.2, HDR10, and BT.2020 Pass-through
- 5 GHz/2.4 GHz Wi-Fi® • Chromecast built-in, DTS Play-Fi®, AirPlay, and Bluetooth® • Spotify®, TIDAL, TuneIn, and Deezer • AccuEQ Calibration • Dialog Control for DTS:X • DTS Neural:X™ • Surround Enhancer Based on Dolby® Technology • FireConnect™ Multi-room Capability • Onkyo Controller App • Digital and Analog Audio Inputs • 1080p Video Upscaling to 4K Resolution • FM Tuner with 40 Presets • USB Audio Playback • GUI and Simple Remote • Listening Modes • WHD: 435 x 70 x 325.5 mm • 4.0 kg

### LB-403 Soundbar System

- Ultra-low 55 mm Profile • Dual FL/FR Speaker Cones • Dual Center Speaker Cones • Height Speakers for Object-based Audio • Solid Build and Quality Finish • WHD: 950 x 55 x 80 mm • 2.3 kg

### SLW-403 Wireless Powered Subwoofer

- Wireless for Flexible Positioning • Powered Bass Reflex Design • 16 cm Cone Woofer
- Rated Output Power: 50 W (4 Ω, 100 Hz, 1% THD, IEC) • WHD: 261 x 338 x 269 mm • 6.2 kg

BLACK



HDCP2.2

WiFi CERTIFIED

Bluetooth

Spotify

TIDAL

DEEZER

+tunein

DSD

AccuEQ

## LS5200

2.1-Channel Home Cinema System



### TX-L20DWL 2.1-Channel A/V Receiver

- Powerful 85 W x 85 W Discrete Amplification System • Independent Power Supply
- 4 HDMI In/1 Out, 4K/60p, HDCP 2.2, HDR, and BT.2020 Pass-through • 5 GHz/2.4 GHz Wi-Fi
- Chromecast built-in, DTS Play-Fi, AirPlay, and Bluetooth • Spotify, TIDAL, TuneIn, and Deezer
- FireConnect™ Multi-room Capability • Onkyo Controller App • Digital and Analog Audio Inputs
- USB Audio Playback • WHD: 435 x 70 x 331.5 mm • 4.0 kg

### SKM-648 Acoustic-Suspension Satellite Speakers

- 8.0 cm Cone Woofer • 2.5 cm Balanced-dome Tweeter • Wall-mounting Capability
- WHD: 102 x 170 x 105 mm • 1.0 kg

### SKW-B50 Wireless Subwoofer

- Wireless for Flexible Positioning • Powered Bass Reflex Design • 16 cm Down-firing Cone
- Rated Output Power: 50 W (4 Ω, 100 Hz, 1% THD, IEC) • WHD: 261 x 337 x 269 mm • 5.8 kg

WHITE BLACK



HDCP2.2

WiFi CERTIFIED

Bluetooth

Spotify

TIDAL

DEEZER

+tunein

DSD

## TX-L50

5.1-Channel Network A/V Receiver



- Powerful 80 W Six-Channel Amplification • Independent Power Supply and Discrete Output Stages
- 4 HDMI In/1 Out, 4K/60p, HDCP 2.2, HDR, and BT.2020 Pass-through • 5 GHz/2.4 GHz Wi-Fi
- Chromecast built-in, DTS Play-Fi, AirPlay, and Bluetooth • Spotify, TIDAL, TuneIn, and Deezer
- FireConnect™ Multi-room Capability • Onkyo Controller App • Digital and Analog Audio Inputs
- 1080p Video Upscaling to 4K Resolution • USB Audio Playback • Supports 192/24 and DSD Decoding for Hi-Res Audio Playback • WHD: 435 x 70 x 325.5 mm • 4.0 kg

WHITE BLACK



HDCP2.2

WiFi CERTIFIED

Bluetooth

Spotify

TIDAL

DEEZER

+tunein

AccuEQ

DSD

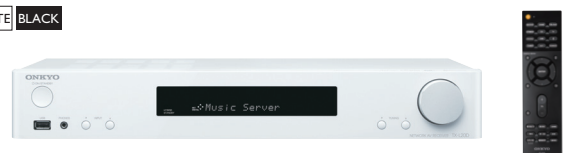
## TX-L20D

2.1-Channel Network Stereo Receiver



- 85 W x 85 W Digital Amplification System with Independent Power Supply and Discrete Output Stages • 4 HDMI In/1 Out, 4K/60p, HDCP 2.2, HDR, and BT.2020 Pass-through • 5 GHz/2.4 GHz Wi-Fi • Chromecast built-in, DTS Play-Fi, AirPlay, and Bluetooth • Spotify, TIDAL, TuneIn, and Deezer
- FireConnect™ Multi-room Capability • Onkyo Controller App • Digital and Analog Audio Inputs
- 1080p Video Upscaling to 4K Resolution • USB Audio Playback • DSD Decoding (2.1-Ch/5.6 MHz) via Network, HDMI, and USB • WHD: 435 x 70 x 331.5 mm • 4.0 kg

WHITE BLACK



HDCP2.2

WiFi CERTIFIED

Bluetooth

Spotify

TIDAL

DEEZER

+tunein

DSD

Pure Hi-Fi represents the culmination of 70 years' experience in component design. Excellent transient response—freedom for notes to stop and start naturally, expressing the emotional nuances in attack, release, and decay with conviction—is key to the involving sound we deliver. Join us in pursuit of musical perfection with an audition today.



## REFERENCE HI-FI SERIES

The Universally Acclaimed Hi-Fi Pre-Amp

### P-3000R Preamplifier



- DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • Separate Digital/Analog Circuitry • Separate Massive Transformers for Digital/Analog Circuitry (Toroidal Transformer for Analog Circuitry) • Separate Anti-Vibration Aluminum Panels • PLL Ultra-Low Jitter Technology
  - Separate TI Burr-Brown 192 kHz/32-bit DACs (PCM1795 x 2) • Independent Headphone Amplifier
  - Discrete Phono Equalizer (MM) • USB Device (C-Media CM6631) for 192 kHz/32-bit Hi-Res Audio from PC\* • 5 Digital Inputs (Amphenol AES/EBU, 2 Optical, and 2 Coaxial) and 1 Output (Optical)
- \* Playback of PC audio requires dedicated software that can be downloaded from an Onkyo website.

SILVER BLACK



DIDRC 192kHz/32bit USB RI

Experience True Musicality from Compact Disc

### C-7000R Compact Disc Player



- DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • Separate Digital/Analog Circuitry • Separate Massive Transformers for Digital and Analog Circuitry (Toroidal Transformer for Analog Circuitry) • Thermally Regulated High-Precision Clock • Silent Disc Mechanism with Solid Die-Cast Aluminum Tray • Separate Anti-Vibration Aluminum Panels • PLL Ultra-Low Jitter Technology
- Separate TI Burr-Brown 192 kHz/24-bit DACs (PCM1792 x 2) • Pure Analog/Digital Mode • 3 Digital Outputs (Amphenol AES/EBU, Optical, and Coaxial)

SILVER BLACK



DIDRC 192kHz/24bit COMPACT DISC MP3 WMA

Satisfy Your Desire for Reference Sound

### M-5000R Power Amplifier



- Max. Power: 170 W/Ch (4 Ω, 1 kHz, 1%, 2 Channels Driven, IEC) • DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • AWRAT (Advanced Wide Range Amplifier Technology) • Quad Push-Pull Amplification Design with Three-Stage Inverted Darlington Circuitry
- Symmetrical Layout of L/R Channels • Two Massive Toroidal Transformers with Sub Transformer
- Four Large 27,000 μF Capacitors • Separate Anti-Vibration Aluminum Panels
- Balanced XLR Input for Monaural Amplification in BTL Mode

SILVER BLACK



DIDRC AWRAT 27000μF

Premier Integrated Amp Brings Music to Life

### A-9000R Integrated Stereo Amplifier



- 140 W/Ch (4 Ω, 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC) • DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • AWRAT (Advanced Wide Range Amplifier Technology) • Quad Push-Pull Amplification Design with Three-Stage Inverted Darlington Circuitry
- 192 kHz/24-bit Hi-Res Audio Playback via USB (Asynchronous Transfer) • Separate Wolfson® 192 kHz/24-bit DACs (WM8742 x 2) • Four Large 18,000 μF Capacitors • Four Amplifier Modes (Integrated Amp, Power Amp, Pre-Amp, Split Pre-Amp/Power Amp) • Discrete Phono Equalizer (MM/MC) • 4 Digital Inputs (1 Amphenol AES/EBU, 1 Optical, and 2 Coaxial)

SILVER BLACK



DIDRC AWRAT 18000μF 192kHz/24bit USB RI



AUTHENTICALLY MUSICAL, HOWEVER YOU PLAY IT.



SILVER BLACK



### A-9150 Integrated Stereo Amplifier

NEW  
for 2017

Hi-Res  
AUDIO



- 60 W/Ch Analog Amplification (4 Ω, 20 Hz–20 kHz, 0.08% THD, 2 Channels Driven, IEC) • Discrete SpectraModule™ High Instantaneous Voltage for Immersive Soundstage, Improved Separation and Transient Response • Custom Hi-Current Transformer and Two Huge Capacitors • Dedicated MM/MC Circuit Board and Quality Discrete Head Amp • Isolated Processing, Pre-amp, and Power Amps • Extruded Aluminum Heat Sink • AKM (AK4452) 768 kHz/32-bit DAC with Patented DIDRC Filter • 4 Gold-plated RCA Audio Inputs • 2 Optical Digital Inputs • 2 Gold-plated Coaxial Digital Audio Inputs • 2 Pairs of Gold-plated Speaker Posts (A+B) • Gold-plated Phono Input (MM/MC) • Aluminum Front Panel and Volume • Rigid Full-Flat Chassis

Discrete SpectraModule DIDRC RI



### A-9070 Integrated Stereo Amplifier

BLACK SILVER

Hi-Res  
AUDIO



- 140 W/Ch (4 Ω, 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC) • DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • AWRAAT (Advanced Wide Range Amplifier Technology) • Parallel Push-Pull Amplification Design with Three-Stage Inverted Darlington Circuitry • 192 kHz/24-bit Hi-Res Audio Playback via Coaxial Inputs • Separate Wolfson® 192 kHz/24-bit DACs (WM8742 x 2) • Four Large 15,000 μF Capacitors • Four Amplifier Modes (Integrated Amp, Power Amp, Pre-Amp, Split Pre-Amp/Power Amp) • Discrete Phono Equalizer (MM/MC) • Independent Headphone Amplifier • 3 Digital Inputs (1 Optical and 2 Coaxial)

DIDRC AWRAAT 192 kHz/24-bit RI

### A-9030 Integrated Stereo Amplifier

Hi-Res  
AUDIO



- 65 W/Ch (8 Ω, 1 kHz, 0.08%, 2 Channels Driven, IEC) • Three-Stage Inverted Darlington Circuitry • WRAT (Wide Range Amplifier Technology) • Phase-Matching Bass Boost • High-Current Low-Impedance Drive • Thick, Low-Impedance Copper Bus Bars • Two 8,200 μF Capacitors • Optimum Gain Volume Control • 1.6 mm Full Flat Chassis • 5 Analog Audio Inputs and 1 Output • Phono Input (MM) • Subwoofer Pre-Out • Speaker A/B Drive

SILVER BLACK



### A-9010 Integrated Stereo Amplifier

Hi-Res  
AUDIO



- 44 W/Ch (8 Ω, 1 kHz, 0.08% THD, 2 Channels Driven, IEC) • WRAT (Wide Range Amplifier Technology) • Discrete Amplifier Output Circuitry • High Quality Wolfson® WM8718 192 kHz/24-bit DAC • Two Digital Audio Inputs (Optical and Coaxial) • Coaxial Supports Hi-Res Audio Up to 192 kHz/24-bit • Independent Headphone Amplification Circuitry • Four Audio-Grade Capacitors • Thick Speaker Plates To Maintain Signal Quality • Gold-Plated Banana Plug-compatible Speaker Posts • Phono Input (MM) and Phono Equalizer

BLACK SILVER



WRAT PMBASS RI

WRAT 192 kHz/24-bit RI



SUPREMLY ADAPTABLE STEREO ENTERTAINMENT

SILVER BLACK



## TX-8270

Network Stereo Receiver



- 160 W/Ch Hi-Current Dynamic Audio Amplification System • 384 kHz/32-bit (AK4438) DAC with VLSC™ Filtering • HDMI® 4 In/1 Out, 4K/60p, HDR, Dolby Vision™, HDCP 2.2 Pass-through • 5 GHz/2.4 GHz Wi-Fi® and Bluetooth® Technology
- Chromecast built-in, DTS Play-Fi®, AirPlay, Spotify®, TIDAL, TuneIn, and Deezer
- Onkyo Controller App • FireConnect™ Multi-room Audio • FM/RDS, DAB/DAB+ Radio with Quick Recall Presets • Zone 2 Line Outs with Dedicated DAC for NET/USB Audio Distribution • Hi-Res Audio via Network (DSD 5.6 MHz and 192/24 PCM)
- Aluminum Front Panel and Volume



## TX-8250

Network Stereo Receiver



- 135 W/Ch High-Current Discrete Amplification System • 5 GHz/2.4 GHz Wi-Fi • Chromecast built-in, DTS Play-Fi, AirPlay, Spotify, TIDAL, TuneIn, and Deezer • Onkyo Controller App
- Supports FireConnect™ Multi-room Audio • Bluetooth Wireless Technology • DAB+ and FM/RDS Tuners with 40 Station Presets • 192 kHz/24-bit (AK4452VN) DAC • Supports Hi-Res Audio Including Direct DSD 11.2 MHz • Wide Connectivity with MM Phono, Line, and Digital Audio Inputs
- Subwoofer Pre-Out and A+B Speaker Drive

BLACK SILVER



## TX-8220

Stereo Receiver



- 100 W/Ch High-Current Discrete Amplification System with Custom High-Output Transformer
- Bluetooth Wireless Streaming from Smartphones, Tablets, and PCs • DAB+ and FM/RDS Tuners with 40 Station Presets • 192 kHz/24-bit (PCM1754) DAC • MM Phono Input for Turntable
- Line Inputs and Digital Audio Inputs for TV, CD, and Network Audio Streamers
- Subwoofer Pre-Out

SILVER BLACK



## CP-1050

Direct Drive Turntable



- Stable Direct-Drive System for Minimal Low-Frequency Cogging Noise • Quartz-Lock Control System for High-Precision Rotation • Solid Anti-Vibration MDF Cabinet Construction with Woodgrain Finish • Die-cast 305 mm Aluminum Platter for Smooth and Stable Rotation • Aluminum Static-Balance S-shaped Tonearm • Detachable Headshell Compatible with Aftermarket Cartridges
- Gold-plated RCA Phono Output • Button-selectable 33 1/3 and 45 rpm Speeds
- WHD: 450 x 158 x 367.5 mm • 8.6 kg

BLACK YELLOW



## NS-6170

Network Audio Player



- DIDRC Filter Ultra-High-Frequency Noise Removal • Separate Power-supply Paths for L/R Channels
- Custom EI Transformer for Clean and Consistent Power Supply • Dedicated Heavy Duty Capacitors for L/R Channel DACs • Chromecast built-in, 5 GHz/2.4 GHz Wi-Fi®, and AirPlay • 2 x USB Inputs for HDD Audio Playback • Onkyo Controller App Network/HDD Song Selection and Control • FireConnect™ Multi-Room Audio
- Dual-Differential AKM 768 kHz/32-bit AK4490 DACs for L/R Channels • DAB+ and FM/RDS Tuner • Gold-plated Analog and Digital Audio Outputs • Anti-Resonant Full-Flat Chassis

SILVER BLACK



## NS-6130

Network Audio Player



- High-Quality AKM AK4452 D/A Converter • VLSC™ Digital Pulse-Noise Removal • Symmetrical L/R Channel Layout • High-Quality Audio-Grade Circuit Componentry • Chromecast built-in, 5 GHz/2.4 GHz Wi-Fi, and AirPlay • Spotify®, Deezer, TIDAL, and TuneIn • 2 x USB Inputs for HDD Audio Playback
- Onkyo Controller App Network/HDD Song Selection and Control • FireConnect™ Multi-Room Audio
- Aluminum Front Panel and Anti-Resonant Full-Flat Chassis

BLACK SILVER



## T-4030

DAB+/DAB/FM Tuner



- VLSC™ (Vector Linear Shaping Circuitry) • 40 DAB/DAB+ Presets • 40 FM Presets
- Digital Audio Outputs (Optical and Coaxial) • Analog Audio Output • FM Digital Output Capability
- 192 kHz/24-bit DAC • FM Mono Mode for Weak Signals • High-Rigidity, Anti-Resonant Chassis to Prevent Vibrations • Audio Grade Capacitor • Automatic/Manual Tuning • Preset Station Naming (Up to Eight Characters) • RI (Remote Interactive) System Control • Battery-Free Memory Back-Up
- WHD: 435 x 101.5 x 307 mm • 4.9 kg

SILVER BLACK



## C-7070

Compact Disc Player



- Plays Audio CD, CD-R, CD-RW, MP3 CD, and WMA CD • DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • Precision Clock ( $\pm 10$  ppm) • Separate Wolfson® 192 kHz/24-bit DACs (WM8742 x 2) for L/R Channels • Silent Disc Mechanism with Solid Die-Cast Aluminum Tray
- New Circuit Board Construction to Reduce Vibration • Independent Headphone Amplifier • Direct Digital Connection of iPod/iPhone and Flash Memory Devices via Front-Panel USB Port • 2 Digital Outputs (Optical and Coaxial) • Mached, Gold-Plated Audio Terminals

BLACK SILVER



## C-7030

Compact Disc Player



- Plays Audio CD, CD-R, CD-RW, and MP3 CD • VLSC™ (Vector Linear Shaping Circuitry) for Pulse Noise Reduction • Precision Clock ( $\pm 10$  ppm) • 192 kHz/24-bit DAC • Custom-Designed Massive EI Transformers • Differential Headphone Amplifier Circuitry • 25-track Memory Playback • Random and Repeat Playback Function • 2 Digital Audio Outputs (Optical and Coaxial) • Analog Audio Output • 1.6 mm-thick Anti-Vibration Full-Flat Chassis

SILVER BLACK



## DX-C390

6-Disc CD Carousel Changer



- Plays Audio CDs, MP3-encoded CDs, CD-R/RWs • VLSC™ (Vector Linear Shaping Circuitry)
- VQA (Vector Quantizer Audio) Conversion Technology • Change up to 5 Discs During Play
- 192 kHz/24-bit Audio DAC • Direct Digital Path • 2 Digital Outputs (Optical and Coaxial) • Next Selection Function • Brushed Hairline Aluminum Front Panel • WHD: 435 x 131 x 432 mm • 6.9 kg

BLACK SILVER







COMPACT STYLE MEETS ROOM-FILLING SOUND.

R-N855  
Network Stereo Receiver



- Discrete 70 W/Ch Amplifier (4 Ω, 1 kHz, 1% THD, 2 Channels Driven, IEC) • Plug-and-Play USB-HDD Server Function • Customized Massive EI Transformer • Supports Hi-Res Audio
- Chromecast built-in, DTS Play-Fi®, AirPlay, 5 GHz/2.4 GHz Wi-Fi®, and Bluetooth® • Onkyo Controller App • FireConnect™ Multi-Room Audio • Spotify®, Deezer, TIDAL, and TuneIn • Phono Input (MM) • DAB/DAB+ Tuner • High-rigidity Anti-resonant Flat Chassis • Aluminum Front Panel
- WHD: 275 x 87.7 x 283.2 mm • 6.1 kg

SILVER BLACK



C-755  
Compact Disc Player



- Plays Audio CD, CD-R, CD-RW, and MP3 CD • Aluminum Front Panel • VLSC™ Digital Pulse-Noise Removal • Customized Massive EI Transformer • Precision Clock (±10 ppm) • AKM 192 kHz/24-bit DAC • High-rigidity Anti-resonant Flat Chassis • WHD: 275 x 80 x 270 mm • 3.4 kg

SILVER BLACK



CS-N1075  
Compact Hi-Fi System



BLACK / BLACK SILVER / BLACK



- R-N855 Network Stereo Receiver
- C-755 Compact Disc Player
- D-175 2-Way Bass Reflex Speakers

- 13 cm Onkyo Original N-OMF Diaphragm Woofer
- 3 cm Ring Tweeter • WHD: 170 x 283 x 260.4 mm • 4.3 kg





# CS series

COMPACT HI-FI DELIVERS ON A GRANDER SCALE.

## CS-N775D

Multi-room Hi-Fi CD Receiver / Optional 2-Way Speaker System

SILVER / BLACK    BLACK / BLACK



### CR-N775D Multi-room Hi-Fi CD Receiver

- 40 W/Ch (4 Ω, 1 kHz, 10% THD, 2 Channels Driven, IEC) • Patented 3-state Bitstream™ Switching Amplification with Wide-range Audio Reproduction Capability • Highly Efficient with Instantaneous High-Current Power Delivery • PM Bass Technology • AKM 768 kHz/32-bit DAC • Direct DSD 11.2 MHz and 192/24 Hi-Res Audio • Intuitive JOG Dial Operation and Large LCD Screen • Next-Generation Network Audio • 5 GHz/2.4 GHz Wi-Fi® and Bluetooth® Technology • Plug-and-Play USB-HDD Music Server Capability with PC • Onkyo Controller App • DAB+ and FM/RDS Radio Tuners • CD Player • Analog Line Input and Output • Coaxial and Optical Digital Inputs • 2 USB Inputs • Phono Input and MM Equalizer • Subwoofer Pre Out and Gold-plated Speaker Posts • Aluminum Front Panel and Volume
- WHD: 215 x 117 x 296.5 mm • 2.3 kg

### D-165 2-Way Bass Reflex Speakers

- 130 mm Onkyo Original N-OMF Diaphragm Woofer • 30 mm Ring-radiator Tweeter • Solid MDF Enclosures
- Banana-plug-compatible Speaker Posts • Frequency Response: 50 Hz–50 kHz
- WHD: 170 x 283 x 260.5 mm • 4.3 kg



## CS-N575D

Multi-room Hi-Fi CD System



### CR-N575 Network CD Receiver

- 20 W/Ch (6 Ω, 1 kHz, 10% THD, 2 Channels Driven, IEC) • New Switching Amplification System with Optimum Audio Control DSP/Speaker Factory Tuning • Supports 192/24 Hi-Res Audio • Intuitive JOG Dial Operation and Large LCD Screen Displays Album Art and Playback Information • Chromecast built-in, DTS Play-Fi, AirPlay, Bluetooth Technology, and 5 GHz/2.4 GHz Wi-Fi • Plug-and-Play USB-HDD Playback
- Onkyo Controller App • DAB+ Radio Tuner • FM/RDS Radio Tuner • CD Player • 1 Analog Line Input • Coaxial Digital Input • Optical Digital Input • WHD: 215 x 117 x 296.5 mm • 2.3 kg

### D-075 2-Way Speaker System

- Responsive 130 mm Natural Pulp Pressed-cone Woofer • Precision 25 mm Soft-dome Tweeter
- Thick Anti-resonant MDF Baffle with Stylish Matte Finish • Removable Cloth Grilles • Frequency Response: 55 Hz–40 kHz • WHD: 160 x 250 x 184 mm • 2.6 kg

SILVER / BLACK    BLACK / BLACK



## CS-375D

CD Receiver System



### CR-375 CD Receiver

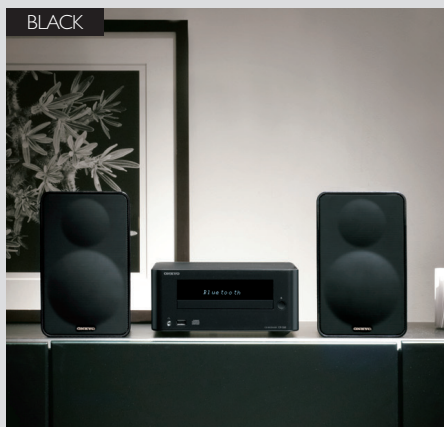
- 20 W/Ch (6 Ω, 1 kHz, 10% THD, 2 Channels Driven, IEC) • New Switching Amplification System with Optimum Audio Control DSP/Speaker Factory Tuning • Intuitive JOG Dial Operation • Bluetooth Wireless Audio Streaming with Auto Connect • Plug-and-Play USB Flash-memory Playback • DAB+ Radio Tuner and FM/RDS Radio Tuner with 40 Station Presets • Front-loading CD Player • 1 Analog Line Input • Optical Digital Input • Sleep and Program Timers • WHD: 215 x 117 x 296.5 mm • 2.2 kg

### D-075 2-Way Speaker System

- Responsive 130 mm Natural Pulp Pressed-cone Woofer • Precision 25 mm Soft-dome Tweeter
- Thick Anti-resonant MDF Baffle with Stylish Matte Finish • Removable Cloth Grilles • Frequency Response: 55 Hz–40 kHz • WHD: 160 x 250 x 184 mm • 2.6 kg

SILVER / BLACK    BLACK / BLACK





WIRELESS FREEDOM WITH A SPLASH OF PERSONALITY

**CS-265**  
CD Hi-Fi Mini System

colibrino

BLACK WHITE RED LIGHT BLUE YELLOW



**CR-265 CD Receiver**

- 20 W/Ch (6 Ω, 1 kHz, 10% THD, 2 Channels Driven, IEC) • Efficient Digital Amplifier for Clear and Balanced Stereo Sound • Bluetooth® Version 4.0 for Mobiles, Tablets, and PCs • Quick and Convenient NFC Connection for Bluetooth Streaming (NFC-compatible Devices Only) • Plays Audio CD, CD-R, CD-RW, and MP3-Encoded CD • Front-Panel USB Port for iPod/iPhone/iPad and USB Flash Drives • FM Tuning with 30 Presets • 2-Mode Super Bass Function • WHD: 215 x 99 x 273 mm • 1.9 kg

**D-T25 2-Way Bass Reflex Speakers**

- 10 cm Cone Woofer • 2.0 cm Balanced-Dome Tweeter • Non-Parallel Sides to Prevent Internal Standing Waves • Magnetically Shielded • WHD: 130 x 210 x 176 mm • 1.7 kg

MP3 USB NFC Bluetooth

**CS-265DAB**

CD Hi-Fi Mini System with Built-In DAB+ Tuner

BLACK WHITE

MP3 USB NFC Bluetooth DAB+



**NCP-302**

Wireless Audio System



- FireConnect™ Multi-room Speaker for Onkyo Master Components • Chromecast built-in, DTS Play-Fi®, 5 GHz/2.4 GHz Wi-Fi®, Bluetooth Technology • Spotify®, TIDAL, Deezer, and TuneIn
- Onkyo Controller for Multi-room Control • Dual 77 mm Dynamic Woofers
- 26 mm Balanced-Dome Tweeter • Tuned Bass-Reflex Enclosure • Physical Controls
- Auto Power-on and Playback • Stylish Perforated Metal Grille • Choice of Finishes
- Wired LAN Input • 3.5 mm Auxiliary Input

WiFi CERTIFIED Bluetooth Spotify TIDAL DEEZER +tunein

WHITE BLACK



**Onkyo Controller for iOS/Android™**

Be at the Center of a Stress-free Multi-room Experience

**Free iOS and Android™ Versions**

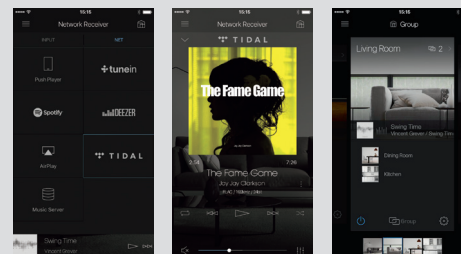
- Audio streaming and internet radio selection and control • Stream audio files stored on the device • Select and play audio files via DLNA-compatible server • General remote control and playback functions • Volume control function • Hi-Res Audio playback capability (FLAC, DSD, and Apple Lossless) via Home Media function (selected components only)
- Supports Spotify®, TuneIn, TIDAL, Deezer, and more\*

\* Service availability depends on region. Some services may require a subscription and a firmware update before use.

**Product Compatibility**

Onkyo Controller is currently compatible with network components released April 2016 or later. Note that a firmware update is required before use with all supported products.

Note: Onkyo Controller for iOS requires iOS 8.0 or later. Onkyo Controller for Android requires Android 4.0.3 or later.



Onkyo Controller for iOS/Android™



## DISCOVER OLD FAVORITES FOR THE FIRST TIME

Onkyo Digital Audio Players (DAPs) take music you're used to hearing through a smartphone and serve it with such astonishing, transformative insight you'll fall in love with your best-loved albums all over again, discovering new layers of detail with every listen. You'll soon want to test your DAP's full capabilities with the very latest Hi-Res Audio formats. A quality personal audio player is an investment in quality of life—and your daily dividend is happiness.

### DP-X1 Digital Audio Player

BLACK



- Based on Android™ with Access to Google Play™
- Twin ESS SABRE E59018K2M DACs and SABRE 9601K Amps
- Standard Balanced (BTL) and Active Control Ground (ACG) Modes
- 2.5 mm 4-Pole and 3.5 mm 3-Pole Output
- Audio Circuit Board (DAC/Amp) Separated from Main Circuit Board (CPU)
- Closed Loop Circuit Design to Limit Noise
- Physical Buttons for Quick Music Control
- Support for Up to 544 GB of Storage (256 GB microSD slot x 2 and 32 GB Internal Storage)
- Support for MQA
- Supports Wi-Fi® and Bluetooth®
- Supports Qualcomm® aptX™
- Micro USB-B/OTG Digital Output
- WHD: 75.9 x 129.0 x 17.7 mm • 203 g

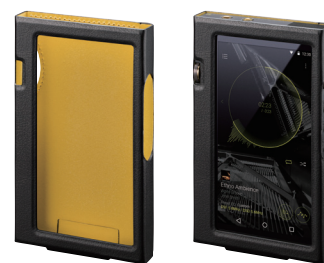


### DPA-PUX1

Premium Case for Onkyo DAP

NEW  
for 2017

- Sleek Design to Exclusively Fit and Protect the Onkyo DP-X1
- Textured Black PU Leather Exterior (Polyurethane)
- Yellow Microfiber Interior
- Access Buttons, Volume, Headphone Jacks, USB Port for Charging/Data
- WHD: 78.9 x 130.5 x 15.7 mm • 28 g



## MAKE AN INVESTMENT IN QUALITY OF LIFE

A quality Digital Audio Player can bring joy every day, turning routine activities such as commuting into events you'll look forward to. You don't need to be an audiophile to appreciate what the DP-X1 and DP-S1 do for music, revealing layers of exquisite detail and immersing you more thoroughly than many high-end stereo systems. With built-in Wi-Fi®, Bluetooth®, and audio outputs for playback on your home or car hi-fi, these DAPs are not just for headphones. They'll be the go-to source for transcendent listening, wherever your day takes you.

Twin DACs and Amps for Balanced Audio



Twin SABRE DACs and amplifiers are laid out in symmetrical configuration and are served by separate custom capacitors for stable playback. Connect your headphones via 2.5 mm 4-pole output to enable Balanced Audio Output. Both high-driving BTL and precision ACG modes offer a tangible increase in headroom and spatial dimensionality. With balanced or regular unbalanced headphones, transparent audio reproduction gives insight and dynamic response few DAPs can compete with at this price.

Simple Playback, Streaming, and Casting



The DP-X1 and DP-S1 support FLAC, WAV, ALAC, and AIFF up to 384 kHz/24-bit\* and handle all popular compressed files. As well as the latest MQA format, the devices play DSD (DP-X1 to 11.2 MHz and DP-S1 to 5.6 MHz). Use built-in dual-band Wi-Fi® to enjoy glitch-free streaming from apps downloaded to the DP-X1 via Google Play, or cast to a car stereo system with Bluetooth® technology on both devices.  
\* Up to 192 kHz for DP-S1. 32-bit files down-convert to 24-bit automatically for DP-X1.

## HF Player for iOS/Android™ Premium Audio Quality with Precision Equalization



### FREE

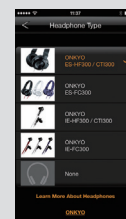
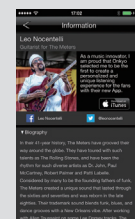
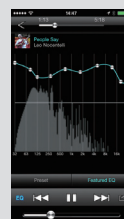
- iOS and Android Versions
- High-precision EQ (16,384 discrete bands, linear-phase FIR filter)
  - Create and save personalized EQ settings for different music
  - Selectable EQ presets optimized by musicians for Onkyo headphones
  - Automatic upsampling function
  - Crossfade playback option
  - Free access to HD Player Pack when device is connected to DAC-HA300 or DAC-HA200

### PAID

- HD Player Pack (iOS) and HF Player Unlocker (Android)
- Playback 192/24 and DSD 11.2 MHz
  - Output Hi-Res Audio and DSD to compatible DAC/Amps via Lightning or OTG (On-the-Go) cables and DoP Output Mode
  - Precision 16,384-band EQ
  - Playlist creation function for Hi-Res library

### Supported Formats (iOS)

- MP3/ALAC/AAC/WAV/AIFF (Up to 48 kHz)
  - DSF/DSD-IFF (Up to 11.2 MHz, PCM conversion, DoP), FLAC/ALAC/WAV/AIFF (Up to 384 kHz), and Ogg-Vorbis (Up to 192 kHz)
- Supported Formats (Android)
- MP3/AAC (Up to 48 kHz)
  - DSF/DSD-IFF (Up to 11.2 MHz, PCM conversion, DoP)
  - FLAC/ALAC/WAV/AIFF/Ogg-Vorbis (Up to 192 kHz)



iOS version pictured.

## DP-S1

Digital Audio Player

BLACK

NEW  
for 2017



- Compact Audiophile Performance (WHD: 63 x 94 x 15 mm, Weight: 130 g) • 150 mW + 150 mW Output Power • Twin SABRE ES9018C2M DACs • Twin SABRE ES9601K Amplifiers for 16–600 Ohm Headphones • Dual 44.1 kHz/48 kHz Clocks
- Dual Headphone/Line Outputs for Balanced and Unbalanced Audio (Gold-plated 2.5 mm 4-pole and 3.5 mm 3-pole) • Symmetrical Channel Layout for Equal Signal Paths • Isolated Audio Circuit Board Design • Supports Balanced Audio Output in BTL and ACG Modes
- Solid Aluminum Casing • Bright 2.4-inch 320 x 240-pixel Touchscreen • Fast and Intuitive Touch Interface • 5 GHz/2.4 GHz Wi-Fi® Streaming from TIDAL and TuneIn • Bluetooth® Streaming to External Receivers (Profile: A2DP/AVRCP, Codec: SBC)
- Supports MQA Hi-Res Audio • 192 kHz/32-bit Upsampling • 10-band Equalizer • Three-step Gain Function • 16 GB Internal Memory Expandable to 528 GB with 2 x microSD Cards
- Long-life Rechargeable Battery • Control Playback from Smartphone with Onkyo DapController App • Supports DSD 5.6 MHz/2.8 MHz and PCM to 192 kHz/32-bit • Micro USB Terminal for Recharging and Data Transfer

*Note: Additional streaming service apps are planned with a future firmware update. MQA support enabled with firmware update scheduled autumn 2017. Check App Store or Google Play™ for device and OS requirements with Onkyo DapController.*



SABRE DAC

TIDAL

+tunein

WiFi CERTIFIED

Bluetooth

MQA

CONTROL

## DAC-HA300

D/A Converter/Headphone Amplifier/SD Player

BLACK



- MUSES 8920 Op-Amp and Fully Discrete Low-Distortion Push-Pull Output Circuitry for Brilliantly Clear and Immersive Hi-Fi Sound Quality • Supports 192 kHz/24-bit Hi-Res Audio and 5.6 MHz DSD Playback via iOS Devices (Lightning USB Cable and HF Player App Required\*), Android™ Devices (On-the-Go Cable and HF Player App Required\*), and PC/Mac\* (via Micro USB Type-B Input) • WHD: 69.6 x 21.5 x 123 mm • 280 g

\* Please refer to detailed compatibility conditions on the Onkyo website.



## DAC-HA200

D/A Converter and Headphone Amplifier

BLACK



- MUSES 8920 Op-Amp with Discrete Low-Distortion Push-Pull Output Circuitry • Playback from iOS Devices\* with Lightning Connector and AOA 2.0-Compliant Android™ Devices\* via USB Type-A Input • Asynchronous High-Resolution DAC for PC, Mac, and Android via USB • High-Precision Clock to Reduce Digital Noise\*
- Free Access to Onkyo HD Player Pack When Connected to iOS Devices via USB • 96 kHz/24-bit-Capable Optical Digital Input

\* Please refer to detailed compatibility conditions on the Onkyo website.



## DPA-PLS1

Protective Sleeve Case for the DP-S1

NEW  
for 2017

- Sleek Design to Exclusively Fit and Protect the Onkyo DP-S1 • Stylish, Custom Faux Leather Case • Yellow Microfiber Interior • Provides Access to the Screen, Terminals, and Product Controls • WHD: 65 x 96 x 17 mm • 20 g

BLACK



## DPA-ABP1

Aluminum Frame Case for the DP-S1

NEW  
for 2017

- Robust Design to Exclusively Fit and Protect the Onkyo DP-S1 • Luxury Extruded Aluminum Frame for Superior Protection • Access Buttons, Volume, Headphone Jacks, USB Port • Easy microSD Card Exchange with the Case Attached to the Player • WHD: 75 x 105 x 16 mm • 40 g

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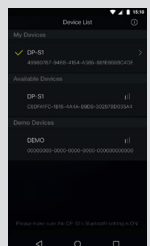
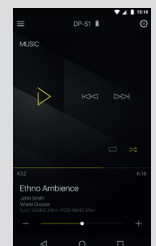
## Onkyo DapController

Remote Application for DP-S1

The free Onkyo DapController smartphone app uses Bluetooth® Low Energy (LE) to connect smartphone to supported Onkyo DAPs, so you can operate the DAP remotely. This is handy when on crowded public transport, or when the DAP is connected to your home hi-fi.

You can use your phone to play/pause, skip, scan, shuffle, and repeat songs. Volume control is also included. The app also simplifies entry of Wi-Fi passwords, and supports playlist creation using a keyboard.

*Note: Mobile devices require support for Bluetooth Low Energy (LE). Please check App Store or Google Play™ for device and OS requirements.*



## A/V Receivers

SPECIFICATIONS											
	TX-RZ3100	TX-RZ1100	TX-RZ820	TX-RZ720	TX-NR676E	TX-NR575E	TX-NR474	TX-SR373	TX-SR252	PR-RZ5100	
<b>AMPLIFIER SECTION</b>											
Channels	11.2	9.2	7.2	7.2	7.2	7.2	5.1	5.1	5.1	11.2 (Pre-Outs Only)	
Power Output All Channels (except for subwoofers)	200 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	200 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	180 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	175 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	165 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	135 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	135 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	140 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	100 W/Ch (6 Ω, 1 kHz, 0.7%, 1 Channel Driven)	—	
Dynamic Power	320 W (3 Ω, Front) 270 W (4 Ω, Front) 160 W (8 Ω, Front)	320 W (3 Ω, Front) 270 W (4 Ω, Front) 160 W (8 Ω, Front)	300 W (3 Ω, Front) 250 W (4 Ω, Front) 150 W (8 Ω, Front)	250 W (3 Ω, Front) 220 W (4 Ω, Front) 130 W (8 Ω, Front)	240 W (3 Ω, Front) 210 W (4 Ω, Front) 120 W (8 Ω, Front)	160 W (3 Ω, Front) 125 W (4 Ω, Front) 85 W (8 Ω, Front)	160 W (3 Ω, Front) 125 W (4 Ω, Front) 85 W (8 Ω, Front)	—	—	—	
THD + N (Total Harmonic Distortion + Noise)	0.04% (1 kHz, 100 W)	0.04% (1 kHz, 100 W)	0.08% (20 Hz–20 kHz, Half Power)	0.08% (20 Hz–20 kHz, Half Power)	0.08% (20 Hz–20 kHz, Half Power)	0.08% (20 Hz–20 kHz, Half Power)	0.08% (20 Hz–20 kHz, Half Power)	0.06% (20 Hz–20 kHz, 8 Ω, 1 Channel Driven, 50 W)	0.06% (20 Hz–20 kHz)	—	
Input Sensitivity and Impedance	200 mV/82 kΩ (Line) 3.5 mV/47 kΩ (Phono MM)	200 mV/82 kΩ (Line) 3.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 3.5 mV/47 kΩ (Phono)	200 mV/47 kΩ (Line) 3.5 mV/47 kΩ (Phono)	200 mV/47 kΩ (Line) 3.5 mV/47 kΩ (Phono)	200 mV/47 kΩ (Line) 3.5 mV/47 kΩ (Phono)	200 mV/47 kΩ (Line) 3.5 mV/47 kΩ (Phono)	200 mV/47 kΩ (Line)	250 mV/47 kΩ (Line)	200 mV/82 kΩ (Line) 3.5 mV/47 kΩ (Phono MM)	
Rated RCA Output Level and Impedance	1.0 V/330 Ω (Pre Out) 1.0 V/330 Ω (Subwoofer Pre Out) 200 mV/1.2 kΩ (Zone Out) 2.0 V/1.2 kΩ (Zone Pre Out)	1.0 V/330 Ω (Pre Out) 1.0 V/330 Ω (Subwoofer Pre Out) 200 mV/1.2 kΩ (Zone Out) 2.0 V/1.2 kΩ (Zone Pre Out)	1.0 V/320 Ω (Pre Out) 1.0 V/470 Ω (Subwoofer Pre Out) 1.0 V/2.3 kΩ (Zone2/3 Pre Out)	1.0 V/470 Ω (Subwoofer Pre Out) 1.0 V/2.3 kΩ (Zone Pre Out)	1.0 V/470 Ω (Subwoofer Pre Out) 200 mV/2.3 kΩ (Zone Line Out)	1.0 V/470 Ω (Subwoofer Pre Out) 200 mV/2.3 kΩ (Zone Line Out)	1.0 V/470 Ω (Subwoofer Pre Out) 200 mV/2.3 kΩ (Zone Line Out)	1 V/470 Ω (Subwoofer Pre Out)	—	—	200 mV/1.2 kΩ (Zone Line Out) 2 V/1.2 kΩ (Zone Pre Out) 1.0 V/330 Ω (Pre Out) 1.0 V/330 Ω (Subwoofer Pre Out)
Rated XLR Output Level and Impedance	—	—	—	—	—	—	—	—	—	2.0 V/220 Ω (Pre Out)	
Phono Overload	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)	—	—	—	70 mV (MM, 1 kHz, 0.5%)	
Frequency Response	5 Hz–100 kHz/+1 dB, -3 dB (DSP Bypass)	5 Hz–100 kHz/+1 dB, -3 dB (DSP Bypass)	5 Hz–100 kHz/+1 dB, -3 dB (Direct Mode)	5 Hz–100 kHz/+1 dB, -3 dB (Direct Mode)	5 Hz–100 kHz/+1 dB, -3 dB (Direct Mode)	5 Hz–100 kHz/+1 dB, -3 dB (Direct Mode)	10 Hz–100 kHz/+1 dB, -3 dB (Direct Mode)	10 Hz–100 kHz/+1 dB, -3 dB (Direct Mode)	10 Hz–70 kHz/+0 dB, -3 dB (Direct Mode)	5 Hz–100 kHz/+1 dB, -3 dB (Direct/Pure Audio)	
Tone Control	Bass ±10 dB, 100 Hz Treble ±10 dB, 10 kHz	Bass ±10 dB, 100 Hz Treble ±10 dB, 10 kHz	Bass ±10 dB, 90 Hz Treble ±10 dB, 7.5 kHz	Bass ±10 dB, 90 Hz Treble ±10 dB, 7.5 kHz	Bass ±10 dB, 90 Hz Treble ±10 dB, 7.5 kHz	Bass ±10 dB, 90 Hz Treble ±10 dB, 7.5 kHz	Bass ±10 dB, 90 Hz Treble ±10 dB, 7.5 kHz	Bass ±10 dB, 90 Hz Treble ±10 dB, 7.5 kHz	Bass ±10 dB, 100 Hz Treble ±10 dB, 10 kHz	Bass ±6 dB, 100 Hz Treble ±6 dB, 10 kHz	Bass ±10 dB, 100 Hz Treble ±10 dB, 10 kHz
Signal-to-Noise Ratio	108 dB (Line, IHF-A) 90 dB (Phono MM, IHF-A)	108 dB (Line, IHF-A) 90 dB (Phono MM, IHF-A)	106 dB (Line, IHF-A)	106 dB (Line, IHF-A)	106 dB (Line, IHF-A) 80 dB (Phono, IHF-A)	106 dB (Line, IHF-A) 80 dB (Phono, IHF-A)	106 dB (Line, IHF-A)	106 dB (Line, IHF-A)	106 dB (Line, IHF-A Network, 1 kΩ Shorted)	98 dB (Line, IHF-A)	110 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)
Speaker Impedance	4 Ω – 16 Ω	4 Ω – 16 Ω	4 Ω – 16 Ω	4 Ω – 16 Ω	4 Ω – 16 Ω	4 Ω – 16 Ω	4 Ω – 16 Ω	4 Ω – 16 Ω	6 Ω – 16 Ω	6 Ω – 16 Ω	
<b>VIDEO SECTION</b>											
Input Sensitivity/Output Level and Impedance	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component PB/CB, PR/CR) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component PB/CB, PR/CR) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component PB/CB, PR/CR) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component PB/CB, PR/CR) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component PB/CB, PR/CR) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component PB/CB, PR/CR) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p ±5%/75 Ω (Composite)	1.0 Vp-p/75 Ω (Monitor Out)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component PB/CB, PR/CR) 1.0 Vp-p/75 Ω (Composite)
Component Video Frequency Response	5 Hz–100 MHz/ +0 dB, -3 dB	—	—	—	—	—	—	—	—	—	—
<b>TUNER SECTION</b>											
Tuning Frequency Range	FM 87.5 MHz–108 MHz AM 522 kHz–1,611 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz / 530 kHz–1,710 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz / 530 kHz–1,710 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz / 530 kHz–1,710 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz / 530 kHz–1,710 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz / 530 kHz–1,710 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz / 530 kHz–1,710 kHz	87.5 MHz–107.9 MHz 530 kHz–1,700 kHz	87.5 MHz–108 MHz 531 kHz–1,602 kHz	87.5 MHz–108 MHz 522 kHz–1,611 kHz / 530 kHz–1,710 kHz
Preset Memory	40 Stations	40 Stations	40 Stations	40 Stations	40 Stations	40 Stations	40 Stations	40 Stations	30 Stations	30 Stations	40 Stations
<b>GENERAL</b>											
Power Supply	AC 220–230 V–, 50/60 Hz	AC 220–230 V–, 50/60 Hz	AC 220–240 V–, 50/60 Hz	AC 220–240 V–, 50/60 Hz	AC 220–240 V–, 50/60 Hz	AC 220–240 V–, 50/60 Hz	AC 220–240 V–, 50/60 Hz	AC 220–240 V–, 50/60 Hz	AC 220–240 V–, 50/60 Hz	AC 220–240 V–, 50/60 Hz	AC 220–230 V–, 50/60 Hz
Power Consumption	340 W	320 W	650 W	600 W	570 W	480 W	400 W	220 W	165 W	65 W	
No-Sound Power Consumption	—	—	70 W	65 W	60 W	45 W	40 W	—	—	—	
Standby Power Consumption	0.15 W	0.15 W	0.15 W	0.15 W	0.15 W	0.15 W	0.15 W	0.3 W	0.45 W	—	
Dimensions (W x H x D)	435 x 201 x 453 mm	435 x 201 x 453 mm	435 x 201.5 x 395 mm	435 x 177 x 378 mm	435 x 173.5 x 378 mm	435 x 173.5 x 328.5 mm	435 x 160 x 328 mm	435 x 168 x 326.5 mm	435 x 168 x 326.5 mm	435 x 201 x 447.5 mm	
Weight	19.7 kg	19.7 kg	14.0 kg	10.5 kg	10.0 kg	9.0 kg	8.6 kg	8.0 kg	7.3 kg	13.6 kg	

## Integrated Amplifiers

SPECIFICATIONS					
	A-9000R	A-9150	A-9070	A-9030	A-9010
Power Output	140 W/Ch (4 Ω, 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC) 75 W/Ch (8 Ω, 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC)	60 W/Ch (4 Ω, 20 Hz–20 kHz, 0.08%, 2 Channels Driven, IEC)	140 W/Ch (4 Ω, 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC) 75 W/Ch (8 Ω, 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC)	65 W/Ch (8 Ω, 1 kHz, 0.08%, 2 Channels Driven, IEC)	44 W/Ch (8 Ω, 1 kHz, 0.08%, 2 Channels Driven, IEC)
Dynamic Power	450 W (1 Ω), 310 W (2 Ω), 230 W (3 Ω), 180 W (4 Ω), 100 W (8 Ω)	—	450 W (1 Ω), 310 W (2 Ω), 230 W (3 Ω), 180 W (4 Ω), 100 W (8 Ω)	—	—
THD+N (Total Harmonic Distortion + Noise)	0.006% (Half Power) 0.03% (1 kHz, 1 W Output) 0.008% (20 Hz–20 kHz, Half Power) 0.03% (20 Hz–20 kHz, 1 W Output)	0.08% (20 Hz–20 kHz, Rated Power)	0.006% (Half Power) 0.03% (1 kHz, 1 W Output) 0.008% (20 Hz–20 kHz, Half Power) 0.03% (20 Hz–20 kHz, 1 W Output)	0.08% (1 kHz, 1 W Output)	0.08% (1 kHz, 1 W Output)
Input Sensitivity and Impedance	150 mV/47 kΩ (Line) 2.25 mV/47 kΩ (Phono MM) 0.18 mV/100 Ω (Phono MC)	200 mV/220 kΩ (Line) 4.0 mV/47 kΩ (Phono MM) 0.4 mV/120 Ω (Phono MC)	150 mV/47 kΩ (Line) 2.25 mV/47 kΩ (Phono MM) 0.18 mV/100 Ω (Phono MC)	175 mV/33 kΩ (Line) 4.8 mV/47 kΩ (Phono MM)	150 mV/100 kΩ (Line) 3.0 mV/47 kΩ (Phono MM)
Rated RCA Output Level and Impedance	1 V/300 Ω (Pre Out)	0.2 V/2.3 kΩ (Line Out)	1 V/300 Ω (Pre Out)	0.175 V/2.2 kΩ (Rec Out)	0.15V/2.2 kΩ (Line Out)
Maximum RCA Output Level and Impedance	5 V/300 Ω (Pre Out)	—	5 V/300 Ω (Pre Out)	—	—
Phono Overload	70 mV (MM, 1 kHz, 0.5%) 5.2 mV (MC, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%) 7 mV (MC, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%) 5.2 mV (MC, 1 kHz, 0.5%)	100 mV (MM, 1 kHz, 0.5%)	94 mV (MM, 1 kHz, 0.5%)
Frequency Response	10 Hz–100 kHz/+0 dB, -1 dB (1 W, 8 Ω) 1 Hz–250 kHz/+0 dB, -3 dB (1 W, 8 Ω)	10 Hz–100 kHz /+1 dB, -3 dB (Line 1, Direct)	10 Hz–100 kHz/+0 dB, -1 dB (1 W, 8 Ω) 1 Hz–250 kHz/+0 dB, -3 dB (1 W, 8 Ω)	10 Hz–100 kHz/+1 dB, -3 dB (Line 1)	10 Hz–100 kHz/+1 dB, -3 dB (Line 1)
Tone Control	±10 dB, 80 Hz (Bass) ±10 dB, 10 kHz (Treble)	±10 dB, 100 Hz (Bass) ±10 dB, 10 kHz (Treble)	±10 dB, 80 Hz (Bass) ±10 dB, 10 kHz (Treble)	±14 dB, 100 Hz (Bass) ±14 dB, 10 kHz (Treble) +8 dB, 80 Hz (PM Bass)	±10 dB, 100 Hz (Bass) ±10 dB, 10 kHz (Treble)
Signal-to-Noise Ratio	107 dB (Line, IHF-A) 60 dB (Phono MM, IHF-A) 70 dB (Phono MC, IHF-A)	107 dB (Line, IHF-A) 82 dB (Phono MM, IHF-A) 73 dB (Phono MC, IHF-A)	107 dB (Line, IHF-A) 60 dB (Phono MM, IHF-A) 70 dB (Phono MC, IHF-A)	105 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)	92 dB (Line, IHF-A) 78 dB (Phono MM, IHF-A)
Speaker Impedance	4 Ω–16 Ω (A or B) 8 Ω–16 Ω (A + B)	4 Ω–16 Ω	4 Ω–16 Ω (A or B) 8 Ω–16 Ω (A + B)	4 Ω–16 Ω (A or B) 8 Ω–16 Ω (A + B)	4 Ω–16 Ω
Headphone Output Impedance	—	390 Ω	—	—	—
Power Supply	AC 230 V–, 50 Hz	AC 220–230 V–, 50/60 Hz	AC 230 V–, 50 Hz	AC 220–230 V–, 50/60 Hz	AC 220–240 V–, 50/60 Hz
Power Consumption	300 W	160 W	290 W	135 W	155 W
No-Sound Power Consumption	—	35 W	—	—	25 W
Standby Power Consumption	0.2 W	0.2 W	0.2 W	0.3 W	0.4 W
Dimensions (W x H x D)	435 x 175 x 435 mm	435 x 139 x 331 mm	435 x 174.5 x 431 mm	435 x 139 x 330.3 mm	435 x 129.5 x 332.5 mm
Weight	18.5 kg	9.2 kg	18.1 kg	7.4 kg	6.5 kg

## 9-Channel Amplifiers

SPECIFICATIONS	
	PA-MC5501
<b>Power Output</b> All Channels	220 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, IEC)
<b>Dynamic Power</b>	400 W (3 Ω, Front) 300 W (4 Ω, Front) 180 W (8 Ω, Front)
<b>THD (Total Harmonic Distortion)</b>	0.05% (Rated Power)
<b>Input Sensitivity and Impedance</b>	1 V/47 kΩ (Balanced) 2 V/22 kΩ (Unbalanced)
<b>Frequency Response</b>	5 Hz–100 kHz/+1 dB, -3 dB
<b>Signal-to-Noise Ratio</b>	110 dB (Unbalanced, IHF-A)
<b>Speaker Impedance</b>	4 Ω–16 Ω or 6 Ω–16 Ω
<b>Power Supply</b>	AC 220–240 V–, 50/60 Hz
<b>Power Consumption</b>	1,050 W
<b>Dimensions (W x H x D)</b>	435 x 198.5 x 446.5 mm
<b>Weight</b>	22.0 kg

## Stereo Amplifiers

SPECIFICATIONS		
	M-5000R	P-3000R
<b>Power Output (2-Ch Stereo)</b>	150 W/Ch (4 Ω, 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC) 80 W/Ch (8 Ω, 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC) 170 W/Ch (4 Ω, 1 kHz, 1%, 2 Channels Driven, IEC) 100 W/Ch (8 Ω, 1 kHz, 1%, 2 Channels Driven, IEC)	—
<b>Power Output (BTL Mono)</b>	220 W/Ch (4 Ω, 20 Hz–20 kHz, 0.05%, 1 Channel Driven, IEC) 180 W/Ch (8 Ω, 20 Hz–20 kHz, 0.05%, 1 Channel Driven, IEC) 250 W/Ch (4 Ω, 1 kHz, 1%, 1 Channel Driven, IEC) 200 W/Ch (8 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	—
<b>Dynamic Power</b>	460 W (1 Ω), 320 W (2 Ω), 245 W (3 Ω), 196 W (4 Ω), 142 W (6 Ω), 110 W (8 Ω)	—
<b>THD+N (Total Harmonic Distortion + Noise)</b>	0.005% (1 kHz, Half Power) 0.02% (20 Hz–20 kHz, Half Power)	0.005% (20 Hz–20 kHz, Half Power)
<b>Input Sensitivity and Impedance</b>	1.4 V/10 kΩ (BTL) 700 mV/10 kΩ (RCA)	200 mV/47 kΩ (Line) 2.7 mV/47 kΩ (Phono MM)
<b>Frequency Response</b>	10 Hz–100 kHz/0 dB, -1 dB (1 W) 1 Hz–250 kHz/-3 dB (1 W/8 Ω)	5 Hz–100 kHz/0 dB, -3 dB (Line)
<b>Signal-to-Noise Ratio</b>	110 dB (RCA, IHF-A)	110 dB (Direct, IHF-A) 80 dB (Phono, MM)
<b>Speaker Impedance</b>	4 Ω–16 Ω 6 Ω–16 Ω (BTL)	—
<b>Power Supply</b>	AC 230 V–, 50 Hz	AC 230 V–, 50 Hz
<b>Power Consumption</b>	280 W	29 W
<b>Dimensions (W x H x D)</b>	435 x 187.5 x 432.5 mm	435 x 99 x 333.1 mm
<b>Weight</b>	23.5 kg	11.0 kg

## CD/Network Audio Players

SPECIFICATIONS					
	C-7000R	C-7070	C-7030	NS-6170	NS-6130
<b>Frequency Response</b>	2 Hz–20 kHz	2 Hz–20 kHz	4 Hz–20 kHz	4 Hz–70 kHz (192 kHz/24-bit)	4 Hz–70 kHz (192 kHz/24-bit)
<b>Signal-to-Noise Ratio</b>	116 dB	116 dB	107 dB	112 dB (192 kHz/24-bit, LPF 22 kHz, A-Weight, 1 kHz)	112 dB (192 kHz/24-bit, LPF 22 kHz, A-Weight, 1 kHz)
<b>Dynamic Range</b>	100 dB	100 dB	100 dB	114 dB (192 kHz/24-bit, LPF 22 kHz, A-Weight, 1 kHz)	111 dB (192 kHz/24-bit, LPF 22 kHz, A-Weight, 1 kHz)
<b>THD (Total Harmonic Distortion)</b>	0.0015%	0.0025%	0.0029%	0.002% (192 kHz/24-bit, LPF 22 kHz, 1 kHz)	0.002% (192 kHz/24-bit, LPF 22 kHz, 1 kHz)
<b>Audio Output/Impedance</b> Optical Coaxial Analog	—	—	—	0.5 Vp-p/75 Ω 0.5 Vp-p/75 Ω 2 V (rms)/470 Ω	— 0.5 Vp-p/75 Ω 2 V (rms)/470 Ω
<b>Power Supply</b>	AC 230 V–, 50 Hz	AC 230 V–, 50 Hz	AC 220–240 V–, 50/60 Hz	AC 220–240 V–, 50 Hz	AC 220–240 V–, 50 Hz
<b>Power Consumption</b>	18 W	23 W	12 W	37 W	22 W
<b>Dimensions (W x H x D)</b>	435 x 99 x 315.2 mm	435 x 101 x 306 mm	435 x 101 x 306 mm	435 x 100 x 317 mm	435 x 100 x 318 mm
<b>Weight</b>	12.0 kg	6.4 kg	5.3 kg	4.5 kg	3.5 kg

## BD Players

SPECIFICATIONS		
	BD-SP809	BD-SP353
<b>Frequency Range (Digital Audio)</b> BD DVD Linear Sound	4 Hz–88 kHz (192 kHz) 4 Hz–44 kHz (96 kHz), 4 Hz–22 kHz (48 kHz)	—
<b>Audio CD</b>	4 Hz–20 kHz (44.1 kHz)	—
<b>S/N Ratio (Digital Audio)</b>	100 dB	—
<b>Audio Dynamic Range (Digital Audio)</b>	98 dB	—
<b>THD (Digital Audio)</b>	0.005% (1 kHz)	—
<b>Wow and Flutter</b>	Below threshold of measurability	—
<b>Composite Video Output/Impedance</b>	1.0 Vp-p/75 Ω	—
<b>Component Video Output/Impedance</b>	Y: 1.0 Vp-p/75 Ω Pb/Pb: 0.7 Vp-p/75 Ω	—
<b>Component Video Frequency Response</b>	5 Hz–50 MHz	—
<b>Audio Output/Impedance</b> Digital (Optical) Digital (Coaxial) Analog Audio	— -22.5 dBm 0.5 Vp-p/75 Ω 2.0 V (rms)/more than 1 kΩ	—
<b>Power Supply</b>	AC 110–240 V–, 50/60 Hz	AC 110–240 V–, 50/60 Hz
<b>Power Consumption</b>	23 W	13 W
<b>Quick Standby Power Consumption</b>	—	1 W
<b>Standby Power Consumption</b>	—	0.3 W
<b>Dimensions (W x H x D)</b>	435 x 104 x 313 mm	435 x 58 x 249 mm
<b>Weight</b>	4.7 kg	2.0 kg

## Stereo Receivers

SPECIFICATIONS			
	TX-8270	TX-8250	TX-8220
<b>Power Output</b>	160 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	135 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	100 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)
<b>Dynamic Power</b>	240 W/Ch (3 Ω) 210 W/Ch (4 Ω) 120 W/Ch (8 Ω)	180 W/Ch (3 Ω) 160 W/Ch (4 Ω) 100 W/Ch (8 Ω)	140 W/Ch (3 Ω) 120 W/Ch (4 Ω) 80 W/Ch (8 Ω)
<b>THD+N (Total Harmonic Distortion + Noise)</b>	0.08% (20 Hz–20 kHz, Half Power)	0.08% (20 Hz–20 kHz, Half Power)	0.08% (20 Hz–20 kHz, Half Power)
<b>Input Sensitivity and Impedance</b> Line Phono MM	200 mV/47 kΩ 3.5 mV/47 kΩ	200 mV/50 kΩ 2.5 mV/50 kΩ	450 mV/40 kΩ 10 mV/50 kΩ
<b>Rated RCA Output Level and Impedance</b>	1.0 V/470 Ω (Subwoofer Pre Out)	150 mV/470 Ω (Pre Out) 470 mV/680 Ω (Subwoofer Pre Out)	420 mV/2.2 kΩ (Line Out) 2.8 mV/3.3 kΩ (Subwoofer Pre Out)
<b>Phono Overload</b>	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)	40 mV (MM, 1 kHz, 0.5%)
<b>Frequency Response</b>	10 Hz–100 kHz/+1 dB, -3 dB (Direct Mode)	10 Hz–100 kHz/+1 dB, -3 dB (Direct/Pure Audio Mode)	10 Hz–100 kHz/+1 dB, -3 dB (Direct Mode)
<b>Tone Control</b>	±10 dB, 90 Hz (Bass) ±10 dB, 7.5 kHz (Treble)	±10 dB, 100 Hz (Bass) ±10 dB, 10 kHz (Treble)	±12 dB, 100 Hz (Bass) ±12 dB, 10 kHz (Treble)
<b>Signal-to-Noise Ratio</b>	106 dB (IHF-A, Line In, Speaker Out) 80 dB (IHF-A, Phono In, Speaker Out)	106 dB (IHF-A, Line In, Speaker Out) 80 dB (IHF-A, Phono In, Speaker Out)	100 dB (IHF-A, Line In, Speaker Out) 93 dB (IHF-A, Phono In, Speaker Out)
<b>Speaker Impedance</b>	4 Ω–16 Ω	4 Ω–16 Ω	4 Ω–16 Ω
<b>Headphone Output Impedance</b>	330 Ω	390 Ω	390 Ω
<b>Headphone Rated Output</b>	80 mW (32 Ω, 1 kHz, 10%)	200 mW (32 Ω, 1 kHz, 10%)	60 mW (32 Ω, 1 kHz, 10%)
<b>Tuning Frequency Range</b> FM/RDS AM	87.5 MHz–108 MHz —	87.5 MHz–108 MHz 522/530 kHz–1,611/1,710 kHz	87.5 MHz–108 MHz —
<b>Preset Memory</b>	40 Stations (FM/DAB+)	40 Stations (FM/AM/DAB+)	40 Stations (FM/DAB+)
<b>Power Supply</b>	AC 230 V–, 50 Hz	AC 200–230 V–, 50/60 Hz	AC 220–240 V–, 50/60 Hz
<b>Power Consumption</b>	260 W	220 W	160 W
<b>Standby Power Consumption</b>	0.15 W	0.1 W	0.4 W
<b>No-Sound Power Consumption</b>	35 W	65 W	20 W
<b>Network Standby Power Consumption</b>	2.8 W	—	—
<b>Hybrid Standby Power Consumption</b>	—	2.9 W	—
<b>Dimensions (W x H x D)</b>	435 x 149.5 x 329 mm	435 x 149 x 329 mm	435 x 149 x 328 mm
<b>Weight</b>	8.7 kg	8.5 kg	7.0 kg

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