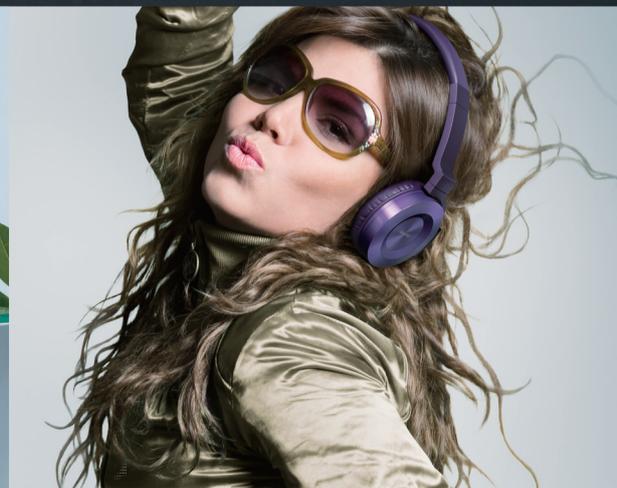


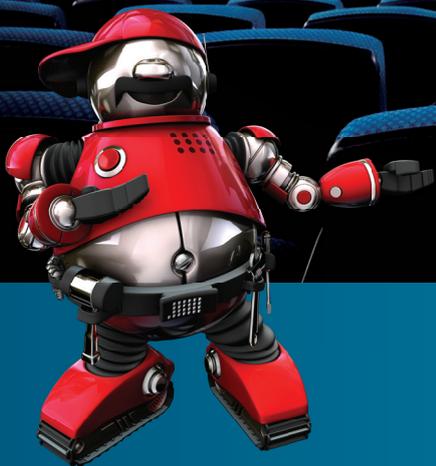
ONKYO®



Love the Sound

Audio/Video Products 2013-2014





Two Decades of Superior Sound

For 20 years, THX® has made our A/V receivers disappear. It's no easy trick. Reproducing the high fidelity and volume levels of commercial movie theater—the kind of sound that pulls you from your seat and into the action—calls for an A/V receiver engineered to the highest standards. It demands a robust power supply, bulletproof construction, and amplifiers that stay composed as the volume climbs above reference level. To wear a THX badge, the A/V receiver must pass more than 2,000 laboratory tests analyzing every aspect of audio performance. Onkyo A/V receivers not only guarantee THX cinema reference sound right out of the box, they eliminate other distractions that can bring you out of the movie. Everything from initial setup to everyday operation is more intuitive, reducing the time it takes to load content and allowing you to make in-program adjustments without disruption. So when the lights go down, there's nothing standing between you and a spellbinding cinema experience that's reproduced exactly as the filmmaker intended.





Built-in Wireless Audio Streaming

Wi-Fi for Network Audio Streaming New for 2013

Stream a wide range of high-resolution, lossless, and compressed audio files from smartphone, PC, and media server to your Wi-Fi-certified Onkyo network A/V receiver—no cables or adapters required. Our free remote app lets you browse, select, and stream online media sources (such as Spotify or TuneIn Radio) as well as the music stored on your smartphone, NAS, or PC with no loss in quality. You can also enable AirPlay by connecting our optional DS-A5 RI dock.



Bluetooth Technology Inside New for 2013

Enjoy the music stored on any Bluetooth-compatible device instantly—just pair up, choose a track, and hit play. The Bluetooth wireless streaming technology on board selected Onkyo network A/V receivers makes casual listening easy.



Remote Apps for iPhone and Android
(See page 4 for more information)



More Features, Better Sound

Optimized for 4K Ultra HD New for 2013

The latest Onkyo network A/V receivers can pass 4K Ultra HD video from media player through to a compatible display or projector via HDMI. Selected models also feature Qdeo™ upscaling technology for flawless 1080p or 4K video playback of lower-resolution sources.



High-Resolution Audio Decoding

Experience the latest in studio master-quality sound, with Dolby® TrueHD and DTS-HD Master Audio™ decoding from Blu-ray Disc. Onkyo network A/V receivers also support a variety of hi-res music formats streamed from NAS and PC, including 192 kHz/24-bit FLAC, DSD, and Dolby® TrueHD.



Audyssey Equalization Solutions

The Audyssey MultEQ® XT32, MultEQ®, and 2EQ® room acoustic correction systems offered on selected network A/V receivers are designed to equalize the surround sound to suit the shape of your listening space.



More HDMI® Inputs and Outputs

Onkyo includes more HDMI inputs and outputs on its A/V receivers than most other brands, accommodating extra devices as your system grows. The second HDMI output on selected models offers 1080p content in Zone 2, while on other models it is designed to connect both movie projector and TV.



Surround Sound Upmixing Solutions

Selected A/V receivers are bundled with class-leading audio upmixing technologies, including DTS Neo:X™, Audyssey DSX®, and Dolby® Pro Logic® IIz. These take stereo or 5.1 soundtracks and mix them for playback through seven, nine, or eleven channels.



Whole-House Audio Distribution

Use the powered outputs on selected Onkyo A/V receivers to drive audio in up to three zones at once. Line outputs turn the receiver into a sophisticated pre-amp and network media streamer when connected to an existing hi-fi.



Connect Your Smartphone with MHL™

The designated HDMI/MHL charging port on selected network A/V receivers lets you watch HD video stored on smartphone, tablet, and other compatible devices with up to 7.1 channels of surround sound.



Hassle-Free Video Switching

InstaPrevue™ technology makes switching between gaming consoles, Blu-ray Disc player, and cable TV much easier, naming the source devices connected via HDMI and offering thumbnail previews of available content.



WRAT (Wide Range Amp Technology)

WRAT incorporates a low-negative-feedback circuit design to extract full-spectrum dynamics from any recording, resulting in a distinctively musical sound. Closed ground-loop circuits and discrete output transistors tame distortion, while High Instantaneous Current Capability draws on a deep reservoir of power to effortlessly handle large dynamic gains.



Three-Stage Inverted Darlington Circuitry

Three-Stage Inverted Darlington Circuitry is a key enhancement to WRAT. Based on proven Darlington circuit topology, the exclusive inverted design is suited to high-energy applications where very low distortion is required.



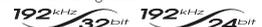
Phase-Matching Bass Boost New for 2013

PM Bass works to control the phase timing of different frequencies to preserve the natural clarity of the mid-range—allowing room for vocals and strings to breathe—while ensuring a powerful bass response at all volumes.



Digital-to-Analog Conversion Stage

Our flagship model employs 192 kHz/32-bit Burr-Brown DACs to achieve the best dynamic performance and better tolerance to clock jitter. All other models are graced with high-performance Burr-Brown 192 kHz/24-bit DACs.



VLSC™ (Vector Linear Shaping Circuitry)

In addition to quality DACs, VLSC employs a unique digital-to-analog conversion circuit to further mitigate the effects of signal noise. Our technology produces a pristine analog signal based on the digital source.



Hybrid Standby Saves Power

Hybrid Standby mode maintains HDMI and network connectivity while the receiver is powered down. This means you can watch TV and use your media players on occasions when you don't require surround sound.



Four Thrilling Audio Modes for Gamers

Experience stunning realism and impact with four gaming modes—Rock, Sports, Action, or Role Playing Game (RPG)—optimizing the surround sound to help you get the most from your favorite games.

Overlaid OSD for Stress-Free Operation

At the touch of a button, easy-to-navigate menus appear overlaid on screen. The HDMI-enabled OSD gives instant access to the most useful home cinema settings, including speaker levels and listening mode selection, making in-program adjustments quick and easy.



Putting Nine-Channel Entertainment Within Reach



TX-NR929

9.2-Channel Network A/V Receiver

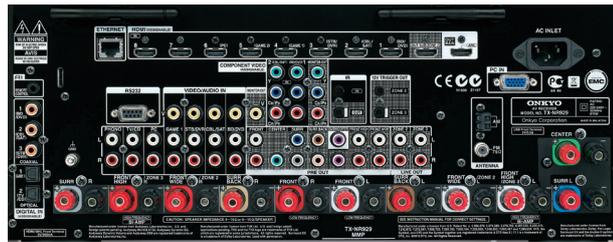


BLACK SILVER

New for 2013



- 185 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)
- THX® Select2™ Plus Certified for Cinema-Reference Sound
- Built-in Wi-Fi Supports Streaming from Smartphone, NAS, PC, Internet Radio, and Online Streaming Services*1
- Integrated Bluetooth Technology for Quick and Easy Audio Streaming
- Supports Onkyo Remote Streaming Apps for iPhone*2 and Android*3
- DTS Neo:X™, Audyssey DSX®, Dolby® Pro Logic® IIz Surround Upmixing
- Audyssey MultEQ® XT32 Room Acoustic Correction
- 9 HDMI® Inputs (1 Front with MHL™/8 Rear), 2 Outputs for Multi-Zone HDTV
- 4K Passthrough via HDMI and 4K Video Upscaling with Qdeo™ Technology
- Three-Zone Powered Audio and 11.2 Multichannel Pre-Outs
- Three-Stage Inverted Darlington Circuitry for High Power and Low Distortion
- Digital Processing Crossover Network for Improved Bi-Amping Performance
- 3 x T1 Burr-Brown 192 kHz/24-bit DACs



Remote Apps for iPhone and Android

The Onkyo Remote App puts a range of streaming and control options in the palm of your hand. It allows you to stream tracks stored on your smartphone (as well as music from PC, NAS, and online service) while controlling the entertainment across your home.



Available on the App Store



ANDROID APP ON Google play



*1 Availability of services depends on region. Some services may require a firmware update and subscription. Availability of advertised services is accurate at press time, but may be subject to change without notice.
 *2 Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later. *3 Requires Android OS 2.1 or later.

Power to Fulfill Your Home Cinema Dreams

TX-NR828

7.2-Channel Network A/V Receiver

New for 2013



BLACK SILVER



- 180 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC) • THX® Select2™ Plus Certified
- Built-in Wi-Fi Supports Streaming from Smartphone, NAS, PC, Internet Radio, and Online Streaming Services*1 • Integrated Bluetooth Technology for Quick and Easy Audio Streaming
- Supports Onkyo Remote Streaming Apps for iPhone®2 and Android®3 • Audyssey DSX® and Dolby® Pro Logic® IIz Surround Upmixing • Audyssey MultEQ® Room Acoustic Correction
- 8 HDMI® Inputs (1 Front with MHL™/7 Rear) and 2 Outputs • 4K Passthrough via HDMI
- 4K Video Upscaling with Qdeo™ Technology • Powered Zone 2 and Zone 2/3 Line-Outs for Housewide Distributed Audio • 7.2 Multichannel Pre-Outs



Real Cinema Sound from Onkyo and THX®

TX-NR727

7.2-Channel Network A/V Receiver

New for 2013



BLACK SILVER



- 170 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC) • THX® Select2™ Plus Certified
- Built-in Wi-Fi Supports Streaming from Smartphone, NAS, PC, Internet Radio, and Online Streaming Services*1 • Integrated Bluetooth Technology for Quick and Easy Audio Streaming
- Supports Onkyo Remote Streaming Apps for iPhone®2 and Android®3 • Audyssey DSX® and Dolby® Pro Logic® IIz Surround Upmixing • Audyssey MultEQ® Room Acoustic Correction
- 8 HDMI® Inputs (1 Front with MHL™/7 Rear) and 2 Outputs • 4K Passthrough via HDMI
- 4K Video Upscaling with Qdeo™ Technology • Powered Zone 2 and Zone 2/3 Line-Outs for Housewide Distributed Audio • Three-Stage Inverted Darlington Circuitry



A Potent Mix of Features and Performance

TX-NR626

7.2-Channel Network A/V Receiver

New for 2013



BLACK SILVER



- 160 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC) • Built-in Wi-Fi Supports Streaming from Smartphone, NAS, PC, Internet Radio, and Online Streaming Services*1 • Integrated Bluetooth Technology for Quick and Easy Audio Streaming
- Supports Onkyo Remote Streaming Apps for iPhone®2 and Android®3 • Dolby® Pro Logic® IIz Surround-Sound Upmixing • Audyssey MultEQ® Room Acoustic Correction
- 6 HDMI® Inputs (Including MHL™) and 2 Outputs • 4K Passthrough via HDMI • 4K Video Upscaling with Qdeo™ Technology • Powered Zone 2 and Zone 2 Line-Out • Three-Stage Inverted Darlington Circuitry for Front and Center Channels



Everything You Need in a Network Surround System

TX-NR525

5.2-Channel Network A/V Receiver

New for 2013



BLACK SILVER



- 130 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC) • Supports Streaming from Smartphone, NAS, PC, Internet Radio, and Online Streaming Services*1 (Wireless Enabled with Optional UWF-1 USB Adapter) • Compatible with Optional UBT-1 Bluetooth USB Adapter Featuring aptX® Audio Streaming Enhancement
- Supports Onkyo Remote Streaming Apps for iPhone®2 and Android®3 • Audyssey MultEQ® Room Acoustic Correction
- 6 HDMI® Inputs and 1 Output • 4K Video Passthrough from Compatible Source Devices via HDMI
- Streamlined Video Switching with InstaPrevue™ Technology • Phase-Matching Bass Boost • Overlaid Graphical On-Screen Display via HDMI with Quick Set-Up Function



*1 Availability of services depends on region. Some services may require a firmware update and subscription. Availability of advertised services is accurate at press time, but may be subject to change without notice.
 *2 Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later. *3 Requires Android OS 2.1 or later.

TX-NR5010 9.2-Channel Network A/V Receiver



BLACK SILVER



- 220 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC) • THX® Ultra2™ Plus Certified • Massive Toroidal Transformer and Two Separate Transformers for Audio and Video Processing
- Anti-Vibration Construction with Separate Aluminum Side Panels • 7 x TI Burr-Brown 192 kHz/32-Bit DACs • Gold-Plated HDMI, A/V, and Speaker Terminals

TX-NR3010 9.2-Channel Network A/V Receiver



BLACK SILVER



- 200 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC) • THX® Ultra2™ Plus Certified
- 9 HDMI® Inputs (1 Front/8 Rear) and 2 Outputs • Multi-Transformer for Audio, Video, and Digital Processing • 7 x TI Burr-Brown 192 kHz/24-Bit DACs • VLSC™ (Vector Linear Shaping Circuitry) • High-Quality HQV® VIDA™ VHD1900 Video Processor

TX-NR1010 7.2-Channel Network A/V Receiver



BLACK SILVER



- 200 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC) • THX® Ultra2™ Plus Certified
- 9 HDMI® Inputs (1 Front/8 Rear) and 2 Outputs • High-Quality HQV® VIDA™ VHD1900 Video Processor • ISF (Imaging Science Foundation) Video Calibration for Optimal Video Performance • VLSC™ (Vector Linear Shaping Circuitry)

TX-SR313 5.1-Channel Home Cinema Receiver

BLACK SILVER

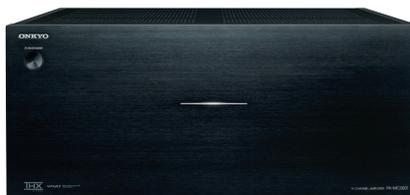


- 100 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC) • 4 HDMI® Inputs and 1 Output
- Dolby® TrueHD and DTS-HD Master Audio™ Decoding • Direct Digital Connection of iPod/iPhone via Front-Panel USB Port • WRAT (Wide Range Amplifier Technology)
- Discrete Output Stage Circuitry • Overlaid On-Screen Display (OSD) via HDMI

PA-MC5501 9-Channel Amplifier



BLACK



WAT

- 220 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC) • THX® Ultra2™ Certified
- Push-Pull Amplification Design with Three-Stage Inverted Darlington Circuitry
- Massive Toroidal Transformer • Two Large, Customized 22,000 μF Capacitors for Effective Power Supply • Large, Custom-Designed Power Transistors

PR-SC5509 9.2-Channel Network A/V Controller



BLACK



- THX® Ultra2™ Plus Certified • 8 HDMI® Inputs (1 Front/7 Rear) and 2 Outputs
- Massive Toroidal Transformer and Two Separate Transformers for Audio and Video Processing
- Anti-Vibration Construction with Separate Aluminum Side Panels • 6 x TI Burr-Brown 192 kHz/32-Bit DACs • VLSC™ (Vector Linear Shaping Circuitry) • Gold-Plated XLR Terminals

BD-SP809 Blu-ray Disc Player



BLACK SILVER



- THX® Certified • 2 HDMI® Outputs • 1080p Upscaling of Standard Video Sources with Qdeo™ Technology • Precision Clock for Optimal Timing of Digital Signals • Ethernet Port for BD-Live, Firmware Updates, and Media Streaming via Home Network • USB Port for Media Content • Plays AVCHD, DivX HD, MP3, WMA, and JPEG Formats

BD-SP309 Blu-ray Disc Player

BLACK SILVER



- 1080p Upscaling of Standard Video Sources • 1080/24p Video Output for Full-HD Movies
- Ethernet Port for BD-Live, Firmware Updates, and Media Streaming via Home Network
- 2 USB Ports (Front/Rear) • Plays AVCHD and DivX Plus™ HD (MKV)

HT-S9405THX

5.1-Channel Network A/V Receiver/Speaker Package



BLACK



HT-R990 7.1-Channel Network A/V Receiver

- 130 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC) • THX® I/S Plus Certified • 4 HDMI® Inputs and 1 Output • HDMI Video Upscaling to 4K with Qdeo™ Technology by Marvell
- Direct Digital Connection of iPod/iPhone via Front-Panel USB Port • Internet Radio and Music Streaming Service Connectivity*1 • Supports Onkyo Remote Apps for iPod touch/iPhone*2 and Android*3 • Dolby® Pro Logic® IIz for Expanded Surround Channels • Universal Port for Onkyo Peripheral Devices • WHD: 435 x 173.5 x 328 mm • 9.3 kg

HTP-948 5.1-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** 2-Way Acoustic-Suspension Surround 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

HT-S3505

5.1-Channel Home Cinema Receiver/Speaker Package



BLACK



HT-R358 5.1-Channel Home Cinema Receiver

- 100 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC) • 4 HDMI® Inputs and 1 Output • Dolby® TrueHD and DTS-HD Master Audio™ Decoding • Universal Port for Onkyo Peripheral Devices • WRAT (Wide Range Amplifier Technology) • Overlaid On-Screen Display (OSD) via HDMI • Super EX.Bass for Deeper, More Dynamic Bass • WHD: 435 x 150 x 318 mm • 7.6 kg

HTP-358 5.1-Channel Home Cinema Speaker System

- SKF-558** Full-Range Bass Reflex Front Speakers • WHD: 101 x 175 x 116 mm • 0.7 kg
- SKC-391** Full-Range Bass Reflex Center Speaker • WHD: 240 x 102 x 121 mm • 0.8 kg
- SKR-558** Full-Range Bass Reflex Surround Speakers • WHD: 101 x 175 x 116 mm • 0.7 kg
- SKW-358** Bass Reflex Subwoofer • WHD: 211 x 425 x 381 mm • 5.5 kg

HTX-22HDX

Ultra-Compact HD Home Cinema System



BLACK



HTX-22HDXPAW

5.1-Channel Amplifier with Built-in Subwoofer

- 25 W/Ch (FL/FR/C/SU/SR) at 6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC; 50 W (Subwoofer) at 3 Ω, 100 Hz, 1%, 1 Channel Driven, IEC • Audio and 1080p Video Processing via HDMI® (3 Inputs and 1 Output) • Dolby® TrueHD, DTS-HD Master Audio™, Dolby® Digital Plus, DTS-HD High-Resolution Audio™ Decoding • VLSC™ (Vector Linear Shaping Circuitry) for Front L/R Channels • Burr-Brown 192 kHz/24-Bit DACs (PCM1690) for All Channels • Jitter-Cleaning Circuit Technology • Overlaid On-Screen Display (OSD) via HDMI • EX.Bass for Deeper, More Dynamic Bass • 4 DSP Modes for Gaming*: Rock, Sports, Action, and RPG • Theater-Dimensional Virtual Surround Function • Music Optimizer™ for Compressed Digital Music Files • 16 cm Cone • WHD: 217 x 337 x 310 mm • 9.5 kg • *Available only in 5.1-channel speaker configuration.

HTX-22HDXST Full-Range Bass Reflex Speakers

- 8 cm Cone • Max. Input Power: 40 W • Magnetically Shielded • Gloss Finished • WHD: 101 x 161 x 111 mm • 0.8 kg



SKS-22X

Full-Range Bass Reflex Center/Surround Speaker Package

- 8 cm Cone • Max. Input Power: 40 W • WHD: 230 x 102 x 113 mm • 0.9 kg (Center Speaker) • WHD: 101 x 161 x 111 mm • 0.8 kg (Surround Speakers)



LS-T10 TV Speaker System

The Ultimate One-Box Home Cinema System

LS-T10 TV Speaker System

New for 2013



BLACK

- AuraSphere Digital Signal Processing for Immersive 3D Sound • Six Powerful 7 cm Full-Range Drivers • Down-Firing 12 cm Subwoofer • Six-Channel Digital Amplification for Clear, Accurate Sound • Three Dedicated Sound Modes (Movie/Music/News) • Bluetooth Wireless Audio Streaming Technology (Version 2.1 +EDR) • Easy System Control with TV Remote*1
- Convenient Single-Cable TV Connection (Optical/Coaxial/Analog)
- WHD: 700 x 105 x 350 mm • 8.7 kg

AURASPHERE Bluetooth DOLBY DIGITAL USB



Upgrade to Smooth and Immersive 3D Sound

LS-B50 Soundbar System

New for 2013



BLACK

LB-401 Soundbar System

- AuraSphere Digital Signal Processing for Immersive 3D Sound • Powerful Two-Way Speaker System with Eight Precision Drivers • Bluetooth Wireless Audio Streaming Technology (Version 2.1 +EDR)
- Three Dedicated Sound Modes (Movie/Music/News) • Easy System Control with TV Remote*1
- Convenient Single-Cable TV Connection (Optical/Coaxial/Analog) • IR Flasher Forwards TV Remote Commands to System Components • WHD: 909 x 96.3 x 95.5 mm*2 • 3.9 kg

SKW-B50 Wireless Subwoofer

- Powered Bass Reflex Design • 16 cm Cone • Down-Firing • WHD: 261 x 337 x 269 mm • 5.8 kg

AURASPHERE Bluetooth DOLBY DIGITAL USB



Fill Your Room with Living Audio

LS-B40 Soundbar System

New for 2013



BLACK

- AuraSphere Digital Signal Processing for Immersive 3D Sound • Powerful Three-Way Speaker System with Eight Precision Drivers • Bluetooth Wireless Audio Streaming Technology (Version 2.1 +EDR)
- Three Dedicated Sound Modes (Movie/Music/News) • Easy System Control with TV Remote*1
- Convenient Single-Cable TV Connection (Optical/Coaxial/Analog) • IR Flasher Forwards TV Remote Commands to System Components • WHD: 909 x 96.3 x 95.5 mm*2 • 3.9 kg

AURASPHERE Bluetooth DOLBY DIGITAL USB



Smart System for HDTV Creates a Sonic Panorama

LS3100 Living Speaker System



BLACK | WHITE

LAP-301 2.1-Channel Control Center

- Easy System Control with TV Remote*1 • Room-Filling Sound with SRS Technology • Bluetooth Wireless Audio Streaming Technology (Version 2.1 +EDR) • Vocal Mode for Clearer Voice Reproduction • 2 Digital Audio Inputs (Optical and Coaxial) • WHD: 187 x 32 x 120 mm • 0.3 kg

SLM-301 Full-Range Acoustic-Suspension Speakers

- 6.5 cm Cones x 2 • Detachable Speaker Stands for Greater Mounting Flexibility
- Wall Mountable • WHD: 169 x 78 x 108 mm (Horizontal), 169 x 111 x 133 mm (Horizontal, with Stand) • 0.7 kg

SLW-301 Wireless Subwoofer

- Powered Bass Reflex Design • 16 cm Cone • Max. Output Power: 50 W
- WHD: 261 x 337 x 269 mm • 5.8 kg

SRS SRS DOLBY DIGITAL Bluetooth



SKS-HT728

5.1-Channel Home Cinema Speaker System



BLACK



SKF-770 Dual-Drive 2-Way Front Speakers

- 8 cm Cone Woofer x 2 • 2.5 cm Balanced-Dome Tweeter
- WHD: 262 x 1050 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 Surround Speakers

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

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

SKW-770 Bass Reflex Powered Subwoofer

- 25 cm Cone • Down-Firing • Max. Output Power: 290 W
- WHD: 275 x 507 x 411 mm • 11.6 kg

SKS-HT648

5.1-Channel Home Cinema Speaker System



BLACK



SKF-648 2-Way Acoustic-Suspension Front Speakers

- 8 cm Cone Woofer • 2.5 cm Balanced-Dome Tweeter
- Solid-Style, High-Density Speaker Cabinets
- WHD: 102 x 170 x 105 mm • 1.0 kg

SKC-648 Dual-Drive 2-Way Center Speaker

- 8 cm Cone Woofer x 2 • 2.5 cm Balanced-Dome Tweeter
- Solid-Style, High-Density Speaker Cabinet
- WHD: 277 x 110 x 110 mm • 1.7 kg

SKR-648 Full-Range Acoustic-Suspension Surround Speakers

- 8 cm Cone • Solid-Style, High-Density Speaker Cabinets
- WHD: 102 x 170 x 105 mm • 0.9 kg

All speakers feature an impedance of 6 Ω and maximum input power of 130 W.

SKW-501E 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 412 mm • 9.1 kg

SKS-HT528

5.1-Channel Home Cinema Speaker System



BLACK



SKF-528 Full-Range Bass Reflex Front Speakers

- 8 cm Cone • 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 • 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 • Gloss Finished
- WHD: 101 x 175 x 116 mm • 0.7 kg

All speakers feature an impedance of 6 Ω, maximum input power of 120 W, and wall-mounting capability.

SKW-501 Bass Reflex Powered Subwoofer

- 20 cm Cone • Down-Firing • Max. Output Power: 150 W
- Auto Standby/On Circuitry
- WHD: 230 x 425 x 412 mm • 9.1 kg

SKW-208

Bass Reflex Powered Subwoofer



BLACK SILVER



- Rated Output Power: 120 W Minimum Continuous Power (4 Ω, 100 Hz, Maximum 1% THD) • 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



D-TK10

2-Way Bass Reflex Speakers



- 10 cm A-OMF Monocoque Diaphragm Woofer • 3 cm Ring-Drive Tweeter
- Supported by a Large Voice Coil • Takamine Acoustic Voicing Technology Construction
- Aero Acoustic Drive for Powerful and Natural Sound
- Network Circuit with High-Quality Parts
- Gold-Plated, Banana Plug-Compatible Speaker Posts
- Frequency Response: 50 Hz–100 kHz • Impedance: 4 Ω • Max. Input Power: 200 W
- WHD: 133 x 276 x 220 mm • 2.9 kg

A-OMF MONOCOQUE

Takamine TECHNOLOGY Acoustic Voicing



UBT-1

Bluetooth USB Adapter



BLACK

- Bluetooth Version 3.0 Capability (Compatible Profile: A2DP 1.2) • Pair-Your Smartphone, Tablet, PC, and Cellphone with Onkyo Components
- Features CSR's aptX® Codec for Optimized Audio Streaming
- Supports AAC Format
- Auto Power-On and Direct Input Change Function on Hybrid Standby Status
- WHD: 56 x 24 x 11 mm • 1.0 g

For more information, please visit the Onkyo website (www.onkyo.com). While Onkyo has confirmed compatibility with a wide range of devices at its testing facilities, it cannot guarantee performance with all third-party Bluetooth-compatible devices.

Bluetooth USB



UWF-1

Wireless LAN Adapter



BLACK

- Provides Wireless Link to Network-Capable Onkyo A/V Receivers and Stereo Receivers
- Connects Directly to Receiver via USB
- Direct Audio Streaming via Wireless Router
- 2.4 GHz Wireless Transmission Frequency
- WHD: 29.8 x 8.4 x 17.0 mm • 3.4 g

Note: The UWF-1 is compatible only with Onkyo receivers and does not connect directly with PCs. For more information, please visit the Onkyo website (www.onkyo.com).

USB 11n/b/g

DS-A5

Dock for iPod/iPhone/iPad with AirPlay



BLACK



(iPhone not included)

- Audio and Video Playback from iPod/iPhone/iPad
- Link with Onkyo A/V Receiver and Hi-Fi Components via RI (Remote Interactive) Control
- AirPlay Capability
- Wi-Fi Certified
- Ethernet Port
- Analog and Digital Audio Outputs
- Composite Video Output
- Recharges iPod/iPhone/iPad
- WHD: 136 x 54 x 121 mm • 223 g

Compatible iPod/iPhone/iPad Models: iPod nano (2nd, 3rd, 4th, 5th, and 6th Generation), iPod classic (80 GB, 120 GB, 160 GB), iPod touch (1st, 2nd, 3rd, and 4th Generation), iPhone, iPhone 3G, iPhone 3GS, iPhone 4, iPhone 4S, iPad, iPad (Wi-Fi + 3G), iPad 2 (Wi-Fi), iPad 2 (Wi-Fi + 3G), New iPad



DS-A4

Remote Interactive Dock for the iPod/iPhone



BLACK



(iPhone not included)

- Superior Quality for Digital Music Files
- Video Playback and Photo Slideshows via Component Video Output
- Track Lists and Song Information Displayed on TV Screen
- Recharges iPod/iPhone
- WHD: 110 x 54 x 112 mm • 300 g

Compatible iPod/iPhone Models: iPod touch (1st, 2nd, 3rd, and 4th Generation), iPod classic, iPod with color display, iPod with click wheel (4th Generation), iPod with video (5th Generation), iPod mini, and iPod nano (1st, 2nd, 3rd, 4th, 5th, and 6th Generation), iPhone, iPhone 3G, iPhone 3GS, iPhone 4



P-3000R Preamplifier



SILVER | BLACK



DIDRC **TP2** **USB** **RI**

- 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
- New Circuit Board Construction to Reduce Vibration • PLL Ultra-Low Jitter Technology
- Separate TI Burr-Brown 192 kHz/32-Bit DACs (PCM1795 x 2) for L/R Channels
- Independent Headphone Amplifier • Discrete Phono Equalizer (MM) • USB Device (C-Media CM6631) for 192 kHz/32-Bit HD Audio from PC* • 5 Digital Inputs (Amphenol AES/EBU, 2 Optical, and 2 Coaxial) and 1 Output (Optical) • Separate L/R Bi-Amping-Capable Pre-Outs *Playback of PC audio requires dedicated software that can be downloaded from an Onkyo website.

C-7000R Compact Disc Player



SILVER | BLACK



DIDRC **TP2** **MP3** **WMA**

- 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 • New Circuit Board Construction to Reduce Vibration • PLL Ultra-Low Jitter Technology • Separate TI Burr-Brown 192 kHz/24-Bit DACs (PCM1792 x 2) for L/R Channels • Pure Analog/Digital Mode • 3 Digital Outputs (Amphenol AES/EBU, Optical, and Coaxial) • Wide-Spaced, Gold-Plated, Machined Solid Brass Audio Terminals

M-5000R Power Amplifier



SILVER | BLACK



AWRAT **DIDRC**

- Max. Power: 170 W/Ch (4 Ω, 1 kHz, 1%, 2 Channels Driven, IEC) • AWRAT (Advanced Wide Range Amplifier Technology) • DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • 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
- New Circuit Board Construction to Reduce Vibration • Balanced XLR Input for Monaural Amplification in BTL Mode • Gold-Plated, Machined Solid Brass RCA Inputs • Gold-Plated Large Speaker Posts

A-9000R Integrated Stereo Amplifier



SILVER | BLACK



AWRAT **DIDRC** **TP2** **USB** **RI**

- 140 W/Ch (4 Ω, 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC) • AWRAT (Advanced Wide Range Amplifier Technology) • DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • Separate Anti-Vibration Aluminum Panels • New Circuit Board Construction to Reduce Vibration • Quad Push-Pull Amplification Design with Three-Stage Inverted Darlington Circuitry • 192 kHz/24-Bit HD Audio Playback via USB • Separate Wolfson® 192 kHz/24-Bit DACs (WM8742 x 2) for L/R Channels • 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)

A-9070 Integrated Stereo Amplifier



SILVER | BLACK



AWRAT **DIDRC** **TP2** **RI**

- 140 W/Ch (4 Ω, 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC) • AWRAT (Advanced Wide Range Amplifier Technology) • DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • Parallel Push-Pull Amplification Design with Three-Stage Inverted Darlington Circuitry • 192 kHz/24-Bit HD Audio Playback via Coaxial Inputs • Separate Wolfson® 192 kHz/24-Bit DACs (WM8742 x 2) for L/R Channels • 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)

A-9050 Integrated Stereo Amplifier



SILVER | BLACK



DIDRC **AWRAT** **PMBASS** **TP2** **RI**

- 75 W/Ch (8 Ω, 1 kHz, 0.08%, 2 Channels Driven, IEC) • DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • Three-Stage Inverted Darlington Circuitry • WRAT (Wide Range Amplifier Technology) • High-Current Low-Impedance Drive • Thick, Low-Impedance Copper Bus Bars • Two 10,000 μF Capacitors • Wolfson® 192 kHz/24-Bit DAC (WM8718) • Phase-Matching Bass Boost • Optimum Gain Volume Control • 96 kHz/24-Bit Capable Digital Audio Inputs (1 Optical and 2 Coaxial) • Phono Input (MM) • Audio L/R Pre-Out • Speaker A/B Drive • Gold-Plated RCA Terminals • Gold-Plated, Banana Plug-Compatible Speaker Posts • 1.6 mm Full Flat Chassis

A-9030 Integrated Stereo Amplifier



SILVER | BLACK



AWRAT **PMBASS** **RI**

- 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

T-4030 DAB+/DAB/FM Tuner



SILVER | BLACK



VLSC **DAB+** **RDS** **RI**

- VLSC™ (Vector Linear Shaping Circuitry) • 40 DAB/DAB+ Presets • 40 FM Presets
- Digital Audio Outputs (Optical and Coaxial) • FM Digital Output Capability • Wolfson® DAC (WM8718) • FM Mono Mode for Weak Signals • High-Rigidity, Anti-Resonant Chassis to Prevent Vibrations • Audiophile-Grade Capacitor • WHD: 435 x 101.5 x 307 mm • 4.9 kg

T-4070 Network Tuner

SILVER BLACK



- DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • Internet Radio and Music Streaming Connectivity via Ethernet*1 • Streaming via AirPlay for iPod touch/iPhone/iPad
- Separate Wolfson® 192 kHz/24-Bit DACs (WM8742 x 2) for L/R Channels • Direct Digital Connection of iPod/iPhone and Flash Memory Device via Front-Panel USB Port • Supports Onkyo Remote Apps*2 • FM/AM/DAB+ Tuner • 3 Digital Audio Outputs (Amphenol AES/EBU, Optical, and Coaxial) • WHD: 435 x 100 x 306.7 mm • 5.8 kg

C-7070 Compact Disc Player

SILVER BLACK



- DIDRC (Dynamic Intermodulation Distortion Reduction Circuitry) • Precision Clock (± 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)

C-7030 Compact Disc Player

SILVER BLACK



- VLSC™ (Vector Linear Shaping Circuitry) for Pulse Noise Reduction • Precision Clock (± 10 ppm) • Wolfson® 192 kHz/24-Bit DAC • Custom-Designed Massive EI Transformers • Differential Headphone Amplifier Circuitry • 2 Digital Audio Outputs (Optical and Coaxial) • 1.6 mm-Thick Anti-Vibration Full-Flat Chassis

DX-C390 6-Disc CD Carousel Changer

SILVER BLACK



- 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) • WHD: 435 x 131 x 432 mm • 6.9 kg

A-933 Integrated Stereo Amplifier

SILVER BLACK



-
- WHD: 275 x 103 x 328 mm • 7.5 kg

C-733 CD Player

SILVER BLACK



-
- WHD: 275 x 103 x 304 mm • 4.5 kg

T-433 FM/AM RDS Tuner

SILVER BLACK



-
- WHD: 275 x 78 x 309 mm • 3.0 kg

TX-8050 Network Stereo Receiver

SILVER BLACK



- 130 W/Ch (6 Ω , 1 kHz, 1%, 1 Channel Driven, IEC) • TI Aures™ DSP Chip (DA830) • Direct Digital Connection of iPod/iPhone via Front-Panel USB Port • Internet Radio and Music Streaming Service Connectivity*1 • Supports Onkyo Remote App*2 • Compatible with UWF-1 Wireless LAN Adapter • Universal Port for Onkyo Peripheral Devices • 4 Digital Audio Inputs (2 Optical and 2 Coaxial) • 4 Composite Video Inputs and 2 Outputs • Phono Input (MM) • Zone 2 Pre-Outs for Distributed Audio Playback in Another Room • Firmware Updates via Ethernet and USB

TX-8030 Stereo Receiver

SILVER BLACK



- 130 W/Ch (6 Ω , 1 kHz, 1%, 1 Channel Driven, IEC) • Discrete Amplifier Design with Massive EI Transformer • Two Large 8,200 μ F Capacitors • Universal Port for Onkyo Peripheral Devices • 4 Composite Video Inputs and 2 Outputs • 6 Analog Audio Inputs and 2 Outputs • Phono Input (MM) • Zone 2 Pre-Outs for Distributed Audio Playback in Another Room • Audio L/R and Subwoofer Pre-Outs • Speaker A/B Drive • Anti-Vibration Oval Chassis • Gold-Plated Audio and Video Terminals

TX-8020 Stereo Receiver

New for 2013

SILVER BLACK



- 90 W/Ch (6 Ω , 1 kHz, 1%, 1 Channel Driven, IEC) • Discrete Amplifier Design with Massive EI Transformer • High-Current, Low-Impedance Drive • Compatible with the DS-A5 AirPlay RI Dock for iPod/iPhone/iPad • 3 Digital Audio Inputs (1 Optical and 2 Coaxial) • 5 Analog Audio Inputs and 1 Output • Phono Input (MM) • Speaker A/B Terminals • Subwoofer Pre-Out • Independent Bass, Treble, and Balance Controls

*1 Availability of services depends on region. Some services may require a firmware update and subscription. Availability of advertised services is accurate at press time, but may be subject to change without notice.
*2 Compatible with iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later. Android devices require OS 2.1 or later.



WHITE



LIGHT BLUE



BLACK



RED



GREEN

Add a Splash of Color to Your Lifestyle

CS-255 CD Hi-Fi Mini System

New for 2013



WHITE BLACK LIGHT BLUE RED GREEN

colibrino

CR-255 CD Receiver

- 15 W/Ch (6 Ω, 1 kHz, 10%, 2 Channels Driven, IEC) • Efficient Digital Amplifier for Clear, Powerful Stereo Sound • Plays Audio CD, CD-R, CD-RW, and MP3-Encoded CD • Charging Dock with Lightning Connector for iPhone 5/iPod touch (5G)/iPod nano (7G) • Front-Panel USB Port for Legacy iPod/iPhone, Smartphones, and Flash Memory Devices • FM Tuner with 30 Presets • Super Bass Function • WHD: 215 x 100 x 270 mm • 2.5 kg

D-T05 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 172 mm • 1.6 kg

MP3 USB RDS iPod iPhone



CS-255DAB

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

New for 2013



WHITE MP3 USB RDS DAB+ iPod iPhone



CS-245BT colibrino

CD Hi-Fi Mini System with Bluetooth



WHITE BLACK



Bluetooth MP3 USB RDS iPod iPhone iPad

CR-245BT CD Receiver

- 15 W/Ch (6 Ω, 1 kHz, 2 Channels Driven, IEC) • Digital Amplifier Circuitry to Maintain Clean Audio Signals • Plays Audio CD, MP3 CD, CD-R, CD-RW • Bluetooth Wireless Audio Playback (Version 2.1 + EDR) • Supports aptX® Codec for Bluetooth • Front-Panel USB Port for iPod/iPhone/iPad or Flash Memory Device • Active Bass Control • 3 Play Modes for CD (Normal/Random/Repeat) • 2 Repeat Modes for CD (Disc/Track) • Analog Audio Input • Subwoofer Pre-Out • Headphone Jack • Tone Control (Bass/Treble) • Super Bass Function • Recharges iPod/iPhone/iPad • iPod/iPhone/iPad Control with Supplied Remote Controller • FM Tuner with 30 Presets • Display Dimmer (Normal/Dim) • WHD: 215 x 100 x 270 mm • 2.4 kg

D-T05 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 172 mm • 1.6 kg

CS-N755 Caledio HD

Network Hi-Fi Mini System



SILVER BLACK SILVER WOOD BLACK BLACK



WRAT VLSVC 192 kHz/24-bit PMPBASS NETWORK dlna lost.fm Spotify AUPEEQ simfy iTuner MP3 WMA USB RDS RI N-OMF iPod iPhone

CR-N755 Network CD Receiver

- 22 W/Ch (4 Ω, 1 kHz, 0.4%, 2 Channels Driven, IEC) • Plays Audio CD, CD-R, and CD-RW • Internet Radio and Music Streaming Service Connectivity*1 • Supports Onkyo Remote Apps*2 • Front-Panel USB Port for iPod/iPhone or Flash Memory Device • Three-Stage Inverted Darlington Circuitry • Symmetrical Power Amplifier Circuit Design • WRAT (Wide Range Amplifier Technology) • VLSVC™ (Vector Linear Shaping Circuitry) • Short Signal Paths Between Amplifier and Power Supply Stage • Phase-Matching Bass Boost • Digital Audio Inputs (Optical and Coaxial) • Compatible with Optional UWF-1 Wireless LAN Adapter and UBT-1 Bluetooth USB Adapter • WHD: 215 x 119 x 331 mm • 4.8 kg

D-055 2-Way Bass Reflex Speakers

- 12 cm N-OMF Diaphragm Woofer • 2.5 cm Soft-Dome Tweeter • Center-Mounted Equalizer on Woofer for Clear Vocal Sound • WHD: 154 x 254 x 258 mm • 3.6 kg

CS-1045

CD Hi-Fi Mini System



SILVER BLACK



VLSVC 192 kHz/24-bit PMPBASS NETWORK dlna MP3 WMA USB RDS RI iPod iPhone

R-1045 Stereo Receiver

- 70 W/Ch (4 Ω, 1 kHz, 1 Channel Driven, IEC) • Massive Power Transformer • VLSVC™ (Vector Linear Shaping Circuitry) • Burr-Brown 192 kHz/24-Bit DAC (PCM1796) • Direct Digital Connection of iPod/iPhone via USB • Digital Audio Inputs (Optical and Coaxial) • Subwoofer Pre-Out • WHD: 275 x 83 x 311 mm • 5.7 kg

C-1045 CD Player

- Plays Audio CD, CD-R, and CD-RW • Plays MP3 and WMA Formats • Wolfson® Stereo DAC (WM8718) • WHD: 275 x 83 x 282 mm • 3.4 kg

D-145 2-Way Bass Reflex Speakers

- 12 cm OMF Diaphragm Woofer • 2.5 cm Soft-Dome Tweeter • Center-Mounted Equalizer on Woofer • V-Line Edge and High-Linearity Damper • WHD: 170 x 283 x 230 mm • 3.7 kg

PHA-1045 SILVER BLACK

CD Mini Hi-Fi Components • R-1045 Stereo Receiver • C-1045 CD Player (See above)



CS-555 CD Hi-Fi Mini System

SILVER BLACK SILVER WOOD BLACK BLACK



WRAT VLSVC 192 kHz/24-bit PMPBASS MP3 WMA USB RDS RI N-OMF iPod iPhone

CR-555 CD Receiver

- 22 W/Ch (4 Ω, 1 kHz, 0.4% THD, 2 Channels Driven, IEC) • Plays Audio CD, CD-R, and CD-RW • Three-Stage Inverted Darlington Circuitry • Symmetrical Power Amplifier Circuit Design • WRAT • VLSVC™ (Vector Linear Shaping Circuitry) • Phase-Matching Bass Boost • Wolfson® 192 kHz/24-Bit Audio DAC (WM8718) • Front-Panel USB Port for iPod/iPhone/Flash Memory Device • Digital Audio Inputs (Optical/Coaxial) • Sub Pre-Out • WHD: 215 x 119 x 331 mm • 4.8 kg

D-055 2-Way Bass Reflex Speakers

- 12 cm N-OMF Diaphragm Woofer • 2.5 cm Soft-Dome Tweeter • WHD: 154 x 254 x 258 mm • 3.6 kg

CS-555DAB CD Hi-Fi Mini System with Built-in DAB+ Tuner

SILVER BLACK DAB+



Show You're Serious About Sound Quality

ES-HF300 On-Ear Headphones

New for 2013



SILVER

- Dynamic 40 mm Titanium Drivers
- Wide 10 Hz–27 kHz Frequency Range
- Sub-Chambers for Deep, Defined Bass
- Aluminum Driver Housing and Hanger Arms
- 6N Oxygen-Free Detachable Copper Cable (1.2 m)
- Gold-Plated MMCX and Mini-Stereo Connectors
- Folding Design for Portability
- Adjustable Padded Headband and Leatherette Earpads



Wide-range 40 mm dynamic driver, bass-reflex enclosure, earpad, aluminum driver housing, and hanger arm



Hear What You've Been Missing

ES-FC300 On-Ear Headphones

New for 2013



RED | VIOLET | WHITE

- Dynamic 40 mm Titanium Drivers
- Wide 10 Hz–27 kHz Frequency Range
- Sub-Chambers for Deep, Defined Bass
- Aluminum Driver Housing and Hanger Arms
- Tangle-Free, Detachable Flat Elastomer Cable (1.2 m)
- Gold-Plated MMCX and Mini-Stereo Connectors
- Folding Design for Portability
- Adjustable Padded Headband and Leatherette Earpads



Journey Deeper into the Mix

IE-HF300 In-Ear Headphones

New for 2013



SILVER

- Large 14.3 mm Drivers for Clear, Full-Spectrum Sound
- Aluminum Die-Cast/ABS Resin Hybrid Body
- 6N Oxygen-Free Detachable Copper Cable
- 1.2 m One-Piece Cable Ideal Length for Travel
- Gold-Plated MMCX and Mini-Stereo Connectors
- Comfortable In-Ear Headphone Sleeves for a Secure Fit



Wide-range 14.3 mm dynamic driver, bass-reflex enclosure, earpad, aluminum/ABS hybrid hanger, and MMCX cable connector



Where High Performance and Mobility Meet

IE-FC300 In-Ear Headphones

New for 2013



RED | VIOLET | WHITE

- Large 14.3 mm Drivers for Clear, Full-Spectrum Sound
- Aluminum Die-Cast/ABS Resin Hybrid Body
- Tangle-Free Flat Elastomer Cable (1.2 m)
- Detachable Design Allows for Upgrades or Color Changes
- Gold-Plated MMCX and Mini-Stereo Connectors
- Comfortable In-Ear Headphone Sleeves for a Secure Fit



Gold-Plated MMCX Connectors



Wide-Range Titanium Drivers
ES-HF300
ES-FC300



Sub-Chambers for Optimized Bass
ES-HF300
ES-FC300



Solid Construction
ES-HF300
ES-FC300



Replacement Headphone Cables (Sold separately)
Cable Length: 1.2 m

High Purity 6N Detachable Copper-Core Cable
ES-HF300
IE-HF300



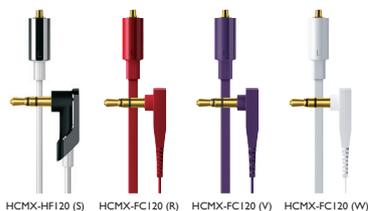
High-Performance Dynamic Drivers
IE-HF300
IE-FC300



Deep, Well-Controlled Bass Performance
IE-HF300
IE-FC300



Rugged Construction
IE-HF300
IE-FC300



A/V Receivers

FEATURES										
	TX-NR5010	PR-SC5509	TX-NR3010	TX-NR1010	TX-NR929	TX-NR828	TX-NR727	TX-NR626	TX-NR525	TX-SR313
Channels	9.2	9.2	9.2	7.2	9.2	7.2	7.2	7.2	5.2	5.1
AMPLIFIER FEATURES										
WRAT (Wide Range Amplifier Technology)	✓		✓	✓	✓	✓	✓	✓	✓	✓
Three-Stage Inverted Darlington Circuitry	✓		✓	✓	✓	✓	✓	✓ (Front/Center Only)		
VLSC™ (Vector Linear Shaping Circuitry)	✓	✓	✓	✓						
Discrete Output Stage Circuitry	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PLL Jitter-Cleaning Circuit Technology	✓	✓	✓	✓	✓	✓	S/PDIF Only	S/PDIF Only	S/PDIF Only	S/PDIF Only
Independent Transformers	✓ (Toroidal)	✓ (Toroidal)	✓							
Isolated Power Amp and Pre-Amp Block	✓		✓	✓						
Separate Aluminum Panel Construction	✓	✓								
PROCESSING FEATURES										
THX® Certified										
Dolby® TrueHD and DTS-HD Master Audio™	THX® Ultra2™ Plus	THX® Ultra2™ Plus	THX® Ultra2™ Plus	THX® Ultra2™ Plus	THX® Select2™ Plus	THX® Select2™ Plus	THX® Select2™ Plus			
DTS Neo:X™	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Audyssey DSX®	✓	✓	✓	✓	✓	✓	✓	✓		
Dolby® Pro Logic® IIz	✓	✓	✓	✓	✓	✓	✓	✓		
Burr-Brown 192 kHz/24-Bit Audio DACs	2 Ch x 7 (32-Bit)	2 Ch x 6 (32-Bit)	2 Ch x 7	2 Ch x 6	8 Ch x 1 + 2 Ch x 2	8 Ch x 1	8 Ch x 1	8 Ch x 1	8 Ch x 1	8 Ch x 1
Video Processing Engine	HQV® and Qdeo™	HQV® and Qdeo™	HQV® and Qdeo™	HQV® and Qdeo™	Qdeo™	Qdeo™	Qdeo™	Qdeo™	Qdeo™	Qdeo™
4K Video Upscaling	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4K Video Passthrough	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video Upconversion (Analog to HDMI)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ISF Video Calibration	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
InstaPrevue™	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4 DSP Modes for Gaming	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pure Audio Mode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Phase Matching Bass Boost	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CONNECTION FEATURES										
HDMI® Inputs/Outputs										
3D Video and ARC Ready	8+1/2	7+1/2	8+1/2	8+1/2	8+1/2	7+1/2	7+1/2	6/2	6/1	4/1
Zone 2 HDMI Out	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MHL™ (Mobile High-Definition Link)	✓		✓	✓	✓	✓	✓	✓		
USB Ports										
Network Connectivity	2	2	2	2	1	1	1	1	2	1
Supports Onkyo Remote Streaming App	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wireless Networking										
Bluetooth Streaming	with UWF-1	with UWF-1	with UWF-1	with UWF-1	Built-in	Built-in	Built-in	Built-in	with UWF-1	
Component Video Inputs/Outputs	with UBT-1	2/1	with UBT-1	with UBT-1	Built-in	Built-in	Built-in	Built-in	with UBT-1	
Digital Audio Inputs	2/1	3/1	2/1	2/1	2/1	2/1	1/1	1/1	2/1	2/1
Pre-Out Channels	4 Optical, 3 Coaxial	4 Optical, 3 Coaxial	3 Optical, 3 Coaxial	3 Optical, 3 Coaxial	3 Optical, 3 Coaxial	2 Optical, 3 Coaxial	1 Optical, 2 Coaxial	1 Optical, 2 Coaxial	1 Optical, 2 Coaxial	2 Optical, 1 Coaxial
Multi-Zone Audio	11.4	9.2	11.4	9.2	11.2	7.2	2 Subwoofers Only	2 Subwoofers Only	2 Subwoofers Only	Subwoofer Only
Bi-Amping Capability	Powered Zone 2/3, Zone 2/3 Line Outs	Zone 2/3 Line Outs	Powered Zone 2/3, Zone 2/3 Line Outs	Powered Zone 2/3, Zone 2/3 Line Outs	Powered Zone 2/3, Zone 2/3 Line Outs	Powered Zone 2, Zone 2/3 Line Outs	Powered Zone 2, Zone 2/3 Line Outs	Powered Zone 2, Zone 2 Line Out	Zone 2 Line Out	
Banana Plug-Compatible Speaker Posts	✓	✓	✓	✓	✓	✓	✓	✓	✓	
RS232, IR, and 12 V Trigger	(Gold Plated)		✓	✓	✓	✓	✓	✓	✓	
D-Sub Video Input for PC	✓	✓	✓	✓	✓	✓	✓			
RIHD (Remote Interactive over HDMI)	✓	✓	✓	✓	✓	✓	✓			
OTHER FEATURES										
Room Calibration	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dolby® Volume	Audyssey MultEQ® XT32	Audyssey MultEQ® XT32	Audyssey MultEQ® XT32	Audyssey MultEQ® XT32	Audyssey MultEQ® XT32	Audyssey MultEQ® XT32	Audyssey MultEQ®	Audyssey MultEQ®	Audyssey MultEQ®	Audyssey MultEQ®
On-Screen Display via HDMI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Home Menu and Quick Setup	1080p GUI	1080p GUI	1080p GUI	1080p GUI	1080p GUI	1080p GUI	1080p GUI	1080p GUI	Text	Text
Hybrid Standby										
Smart Grid Mode	✓		✓	✓	✓	✓	✓	✓	✓	
Firmware Update	✓		✓	✓	✓	✓	✓	✓	✓	
Crossover Adjustment	✓		✓	✓	✓	✓	✓	✓	✓	
Digital Processing	✓		✓	✓	✓	✓	✓	✓	✓	
Crossover Network	✓		✓	✓	✓	✓	✓	✓	✓	
Differential DAC	✓ (Independent)	✓ (Independent)	✓ (Independent)	✓ (Independent)	✓ (Independent)	✓ (Independent)	✓ (Independent)	✓ (Independent)	✓	✓
A/V Sync Control	✓		✓	✓	✓					
Tone Control	Up to 5.1 Channels		Up to 5.1 Channels	Up to 5.1 Channels	Front Channels					
RI Remote Control	Up to 800 ms	Up to 800 ms	Up to 800 ms	Up to 800 ms	Up to 800 ms	Up to 800 ms	Up to 800 ms	Up to 800 ms	Up to 800 ms	Up to 400 ms
Color	All Channels (Except Zone 2/3)	All Channels	All Channels (Except Zone 2/3)	All Channels (Except Zone 2/3)	Front Channels	Front Channels	Front Channels	Front Channels	Front Channels	Front Channels
	Bi-Directional	Bi-Directional	Bi-Directional	Bi-Directional	Bi-Directional	Bi-Directional	Preprogrammed	Preprogrammed	Preprogrammed	Full Function
	Black or Silver	Black	Black or Silver	Black or Silver	Black or Silver	Black or Silver	Black or Silver	Black or Silver	Black or Silver	Black or Silver

A/V Receivers

SPECIFICATIONS										
	TX-NR5010	PR-SC5509	TX-NR3010	TX-NR1010	TX-NR929	TX-NR828	TX-NR727	TX-NR626	TX-NR525	TX-SR313
AMPLIFIER SECTION										
Power Output All Channels (except for subwoofers)	220 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	—	200 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	200 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	185 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	180 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	170 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	160 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	130 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	100 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)
Dynamic Power	400 W (3 Ω, Front) 300 W (4 Ω, Front) 180 W (8 Ω, Front)	—	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)	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)	180 W (3 Ω, Front) 160 W (4 Ω, Front) 100 W (8 Ω, Front)	160 W (3 Ω, Front) 125 W (4 Ω, Front) 85 W (8 Ω, Front)
THD (Total Harmonic Distortion + Noise)	0.05% (20 Hz–20 kHz, Rated Power)	0.05% (20 Hz–20 kHz, Rated Power)	0.05% (20 Hz–20 kHz, Rated Power)	0.05% (20 Hz–20 kHz, Rated 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)			
Damping Factor	60 (Front, 1 kHz, 8 Ω)	—	60 (Front, 1 kHz, 8 Ω)							
Input Sensitivity and Impedance	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)
Rated RCA Output Level and Impedance	1 V/470 Ω (Pre Out)	1 V/470 Ω (Pre Out)	1 V/470 Ω (Pre Out)	1 V/470 Ω (Pre Out)	200 mV/470 Ω (Pre Out)	200 mV/470 Ω (Pre Out)	200 mV/470 Ω (Pre Out)	200 mV/2.2 kΩ (Line Out)	200 mV/2.2 kΩ (Line Out)	200 mV/2.2 kΩ (Line Out)
Maximum RCA Output Level and Impedance	5.5 V/470 Ω (Pre Out)	5.5 V/470 Ω (Pre Out)	5.5 V/470 Ω (Pre Out)	5.5 V/470 Ω (Pre Out)	4.6 V/470 Ω (Pre Out)	4.6 V/470 Ω (Pre Out)	2.0 V/2.2 kΩ (Line Out)	2.0 V/2.2 kΩ (Line Out)	2.0 V/2.2 kΩ (Line Out)	2.0 V/2.2 kΩ (Line 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%)	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 (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)	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)	5 Hz–100 kHz/ +1 dB, -3 dB (Direct Mode)	5 Hz–100 kHz/ +1 dB, -3 dB (DSP Bypass)
Tone Control	±10 dB, 50 Hz ±10 dB, 20 kHz	±10 dB, 50 Hz ±10 dB, 20 kHz	±10 dB, 50 Hz ±10 dB, 20 kHz	±10 dB, 50 Hz ±10 dB, 20 kHz	±10 dB, 50 Hz ±10 dB, 20 kHz	±10 dB, 50 Hz ±10 dB, 20 kHz	±10 dB, 30 Hz ±10 dB, 20 kHz	±10 dB, 30 Hz ±10 dB, 20 kHz	±10 dB, 30 Hz ±10 dB, 20 kHz	±10 dB, 50 Hz ±10 dB, 20 kHz
Signal-to-Noise Ratio	110 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)	110 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)	110 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)	110 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)	110 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)	110 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)	106 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)	106 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)	106 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)	100 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)
Speaker Impedance	4 Ω–16 Ω or 6 Ω–16 Ω	—	4 Ω–16 Ω or 6 Ω–16 Ω	6 Ω–16 Ω	6 Ω–16 Ω					
VIDEO SECTION										
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 (Component Y and S-Video Y) 0.7 Vp-p/75 Ω (Component PB/CB, PR/CR)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component PB/CB, PR/CR)							
Component Video Frequency Response	5 Hz–100 MHz (+0 dB, -3 dB)	5 Hz–100 MHz (+0 dB, -3 dB)	5 Hz–100 MHz (+0 dB, -3 dB)	5 Hz–100 MHz (+0 dB, -3 dB)	5 Hz–100 MHz (+0 dB, -3 dB)	5 Hz–100 MHz (+0 dB, -3 dB)	5 Hz–100 MHz (+0 dB, -3 dB)	5 Hz–100 MHz (+0 dB, -3 dB)	5 Hz–100 MHz (+0 dB, -3 dB)	5 Hz–100 MHz (+0 dB, -3 dB)
TUNER SECTION										
Tuning Frequency Range	87.5 MHz–108 MHz FM 522 kHz–1,611 kHz AM	87.5 MHz–108 MHz 87.5 MHz–108 MHz 522 kHz–1,611 kHz	87.5 MHz–108 MHz 87.5 MHz–108 MHz 522 kHz–1,611 kHz	87.5 MHz–108 MHz 87.5 MHz–108 MHz 522 kHz–1,611 kHz	87.5 MHz–108 MHz 87.5 MHz–108 MHz 522 kHz–1,611 kHz	87.5 MHz–108 MHz 87.5 MHz–108 MHz 522 kHz–1,611 kHz	87.5 MHz–108 MHz 87.5 MHz–108 MHz 522 kHz–1,611 kHz	87.5 MHz–108 MHz 87.5 MHz–108 MHz 522 kHz–1,611 kHz	87.5 MHz–108 MHz 87.5 MHz–108 MHz 522 kHz–1,611 kHz	87.5 MHz–108 MHz 87.5 MHz–108 MHz 522 kHz–1,611 kHz
Preset Memory	40 Stations	40 Stations	40 Stations	40 Stations	40 Stations	40 Stations	40 Stations	40 Stations	40 Stations	40 Stations
GENERAL										
Power Supply	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 220–240 V–, 50/60 Hz	AC 220–240 V–, 50/60 Hz
Power Consumption	1,160 W	1,100 W	1,010 W	850 W	870 W	720 W	690 W	600 W	420 W	340 W
Dimensions (W x H x D)	435 x 198.5 x 463.5 mm	435 x 198.5 x 463.5 mm	435 x 198.5 x 463.5 mm	435 x 198.5 x 463.5 mm	435 x 198.5 x 437.5 (294 mm antennas up)	435 x 198.5 x 398 (260.3 mm antennas up)	435 x 175 x 380 mm	435 x 173.5 x 328 mm	435 x 173.5 x 328 mm	435 x 150 x 318 mm
Weight	25.0 kg	14.0 kg	25.0 kg	23.0 kg	18.5 kg	15.0 kg	11.2 kg	10.0 kg	9.0 kg	7.6 kg

Integrated Amplifiers

SPECIFICATIONS				
	A-9000R	A-9070	A-9050	A-9030
Power Output	140 W/Ch (4 Ω, 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC)	140 W/Ch (4 Ω, 20 Hz–20 kHz, 0.05%, 2 Channels Driven, IEC)	75 W/Ch (8 Ω, 1 kHz, 0.08%, 2 Channels Driven, IEC)	65 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)	0.006% (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)
HICC	140 A	100 A	—	—
Damping Factor	130 (1 kHz, 8 Ω)	130 (1 kHz, 8 Ω)	60 (1 kHz, 8 Ω)	60 (1 kHz, 8 Ω)
Input Sensitivity and Impedance	150 mV/47 kΩ (Line) 2.25 mV/47 kΩ (Phono MM) 0.18 mV/100 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)	175 mV/33 kΩ (Line) 4.8 mV/47 kΩ (Phono MM)
Rated RCA Output Level and Impedance	1 V/300 Ω (Pre Out)	1 V/300 Ω (Pre Out)	0.175 V/2.2 kΩ (Rec Out)	0.175 V/2.2 kΩ (Rec 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%) 5.2 mV (MC, 1 kHz, 0.5%)	100 mV (MM, 1 kHz, 0.5%)	100 mV (MM, 1 kHz, 0.5%)
Frequency Response	10 Hz–100 kHz/+0 dB, -1 dB (1 W, Line) 1 Hz–250 kHz/+0 dB, -3 dB (1 W, 8 Ω)	10 Hz–100 kHz/+0 dB, -1 dB (1 W, Line) 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, 80 Hz (Bass) ±10 dB, 10 kHz (Treble)	±14 dB, 100 Hz (Bass) ±14 dB, 10 kHz (Treble) +8 dB, 80 Hz (PM Bass)	±14 dB, 100 Hz (Bass) ±14 dB, 10 kHz (Treble) +8 dB, 80 Hz (PM Bass)
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) 60 dB (Phono MM, IHF-A) 70 dB (Phono MC, IHF-A)	110 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)	105 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)
Speaker Impedance	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 (A or B) 8 Ω–16 Ω (A + B)	4 Ω–16 Ω (A or B) 8 Ω–16 Ω (A + B)
Power Supply	AC 230 V–, 50 Hz	AC 230 V–, 50 Hz	AC 230 V–, 50 Hz	AC 230 V–, 50 Hz
Power Consumption	300 W	290 W	160 W	135 W
Standby Power Consumption	0.2 W	0.2 W	0.3 W	0.3 W
Dimensions (W x H x D)	435 x 175 x 435 mm	435 x 174.5 x 431 mm	435 x 139 x 330.3 mm	435 x 139 x 330.3 mm
Weight	18.5 kg	18.1 kg	8.2 kg	7.4 kg

9-Channel Amplifier

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

BD Players

SPECIFICATIONS		
	BD-SP809	BD-SP309
Frequency Range (Digital Audio)		
BD	4 Hz-88 kHz (192 kHz)	4 Hz-88 kHz (192 kHz)
DVD Linear Sound	4 Hz-44 kHz (96 kHz), 4 Hz-22 kHz (48 kHz)	4 Hz-44 kHz (96 kHz), 4 Hz-22 kHz (48 kHz)
Audio CD	4 Hz-20 kHz (44.1 kHz)	4 Hz-20 kHz (44.1 kHz)
S/N Ratio (Digital Audio)	100 dB	—
Audio Dynamic Range (Digital Audio)	96 dB	—
THD (Digital Audio)	0.005% (1 kHz)	—
Wow and Flutter	Below threshold of measurability	Below threshold of measurability
Composite Video Output/Impedance	1.0 Vp-p/75 Ω	—
Component Video Output/Impedance	Y: 1.0 Vp-p/75 Ω PB/PR: 0.7 Vp-p/75 Ω	—
Component Video Frequency Response	5 Hz-50 MHz	—
Audio Output/Impedance		
Digital (Optical)	-22.5 dBm	-22.5 dBm
Digital (Coaxial)	0.5 Vp-p/75 Ω	—
Analog Audio	2.0 V (rms)/more than 1 kΩ	—
Power Supply	AC 110-240 V-, 50/60 Hz	AC 100-240 V-, 50/60 Hz
Power Consumption	23 W	17 W
Dimensions (W x H x D)	435 x 104 x 313 mm	435 x 57.3 x 201 mm
Weight	4.7 kg	1.7 kg

Stereo Receivers

SPECIFICATIONS			
	TX-8050	TX-8030	TX-8020
Power Output	130 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	130 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	90 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)
Dynamic Power	180 W/Ch (3 Ω), 160 W/Ch (4 Ω), 100 W/Ch (8 Ω)	180 W/Ch (3 Ω), 160 W/Ch (4 Ω), 100 W/Ch (8 Ω)	180 W/Ch (3 Ω), 160 W/Ch (4 Ω), 100 W/Ch (8 Ω)
THD+N (Total Harmonic Distortion + Noise)	0.08% (20 Hz-20 kHz, Half Power)	0.08% (20 Hz-20 kHz, Half Power)	0.03% (20 Hz-20 kHz, Half Power)
Damping Factor	60 (1 kHz, 8 Ω)	60 (1 kHz, 8 Ω)	60 (1 kHz, 8 Ω)
Input Sensitivity and Impedance			
Line	200 mV/47 kΩ	200 mV/47 kΩ	200 mV/47 kΩ
Phono MM	2.5 mV/47 kΩ	2.5 mV/47 kΩ	2.5 mV/47 kΩ
Rated RCA Output Level and Impedance	200 mV/2.2 kΩ (Rec Out)	200 mV/2.2 kΩ (Rec Out)	200 mV/2.2 kΩ (Rec Out)
Maximum RCA Output Level and Impedance	2.0 V/2.2 kΩ (Rec Out)	2.0 V/2.2 kΩ (Rec Out)	2.0 V/2.2 kΩ (Rec Out)
Phono Overload	60 mV (MM, 1 kHz, 0.5%)	60 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)
Frequency Response	5 Hz-100 kHz (+1 dB, -3 dB)	5 Hz-100 kHz (+1 dB, -3 dB)	10 Hz-100 kHz (+1 dB, -3 dB)
Tone Control	±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)	±10 dB, 50 Hz (Bass) ±10 dB, 20 kHz (Treble)	±11 dB, 100 Hz (Bass) ±11 dB, 10 kHz (Treble)
Signal-to-Noise Ratio	106 dB (IHF-A, Line) 80 dB (IHF-A, Phono MM)	106 dB (IHF-A, Line) 80 dB (IHF-A, Phono MM)	100 dB (IHF-A, Line) 80 dB (IHF-A, Phono MM)
Speaker Impedance	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 (A or B), 8 Ω-16 Ω (A + B)
Video Input Sensitivity/Output Level and Impedance	1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Composite)	—
Tuning Frequency Range			
FM	87.5 MHz-108 MHz	87.5 MHz-108 MHz	87.5 MHz-108 MHz
AM	522 kHz-1,611 kHz	522 kHz-1,611 kHz	522 kHz-1,611 kHz
Power Supply	AC 230 V-, 50 Hz	AC 230 V-, 50 Hz	AC 230 V-, 50 Hz
Power Consumption	295 W	278 W	170 W
Dimensions (W x H x D)	435 x 149.5 x 328 mm	435 x 149.5 x 328 mm	435 x 150 x 328.5 mm
Weight	8.8 kg	8.8 kg	7.3 kg

Stereo Amplifiers

SPECIFICATIONS		
	M-5000R	P-3000R
Power Output (2-Ch Stereo)	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)	—
Power Output (BTL Mono)	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)	—
Dynamic Power	460 W (1 Ω), 320 W (2 Ω), 245 W (3 Ω), 196 W (4 Ω), 142 W (6 Ω), 110 W (8 Ω)	—
THD+N (Total Harmonic Distortion + Noise)	0.005% (1 kHz, Half Power) 0.02% (20 Hz-20 kHz, Half Power)	0.005% (20 Hz-20 kHz, Half Power)
Damping Factor	130 (1 kHz, 8 Ω)	—
Input Sensitivity and Impedance	1.4 V/10 kΩ (BTL) 700 mV/10 kΩ (RCA)	200 mV/47 kΩ (Line) 2.7 mV/47 kΩ (Phono MM)
Frequency Response	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)
Signal-to-Noise Ratio	110 dB (RCA, IHF-A)	110 dB (Direct, IHF-A) 80 dB (Phono, MM)
Speaker Impedance	4 Ω-16 Ω 6 Ω-16 Ω (BTL)	—
Power Supply	AC 230 V-, 50 Hz	AC 230 V-, 50 Hz
Power Consumption	29 W	29 W
Dimensions (W x H x D)	435 x 187.5 x 432.5 mm	435 x 99 x 333.1 mm
Weight	23.5 kg	11.0 kg

CD Players

SPECIFICATIONS			
	C-7000R	C-7070	C-7030
Frequency Response	2 Hz-20 kHz	2 Hz-20 kHz	4 Hz-20 kHz
Signal-to-Noise Ratio	116 dB	116 dB	107 dB
Dynamic Range	100 dB	100 dB	100 dB
THD (Total Harmonic Distortion)	0.0015%	0.0025%	0.0029%
Power Supply	AC 230 V-, 50 Hz	AC 230 V-, 50 Hz	AC 230 V-, 50/60 Hz
Power Consumption	18 W	23 W	12 W
Dimensions (W x H x D)	435 x 99 x 315.2 mm	435 x 101 x 306 mm	435 x 101 x 306 mm
Weight	12.0 kg	6.4 kg	5.3 kg

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