

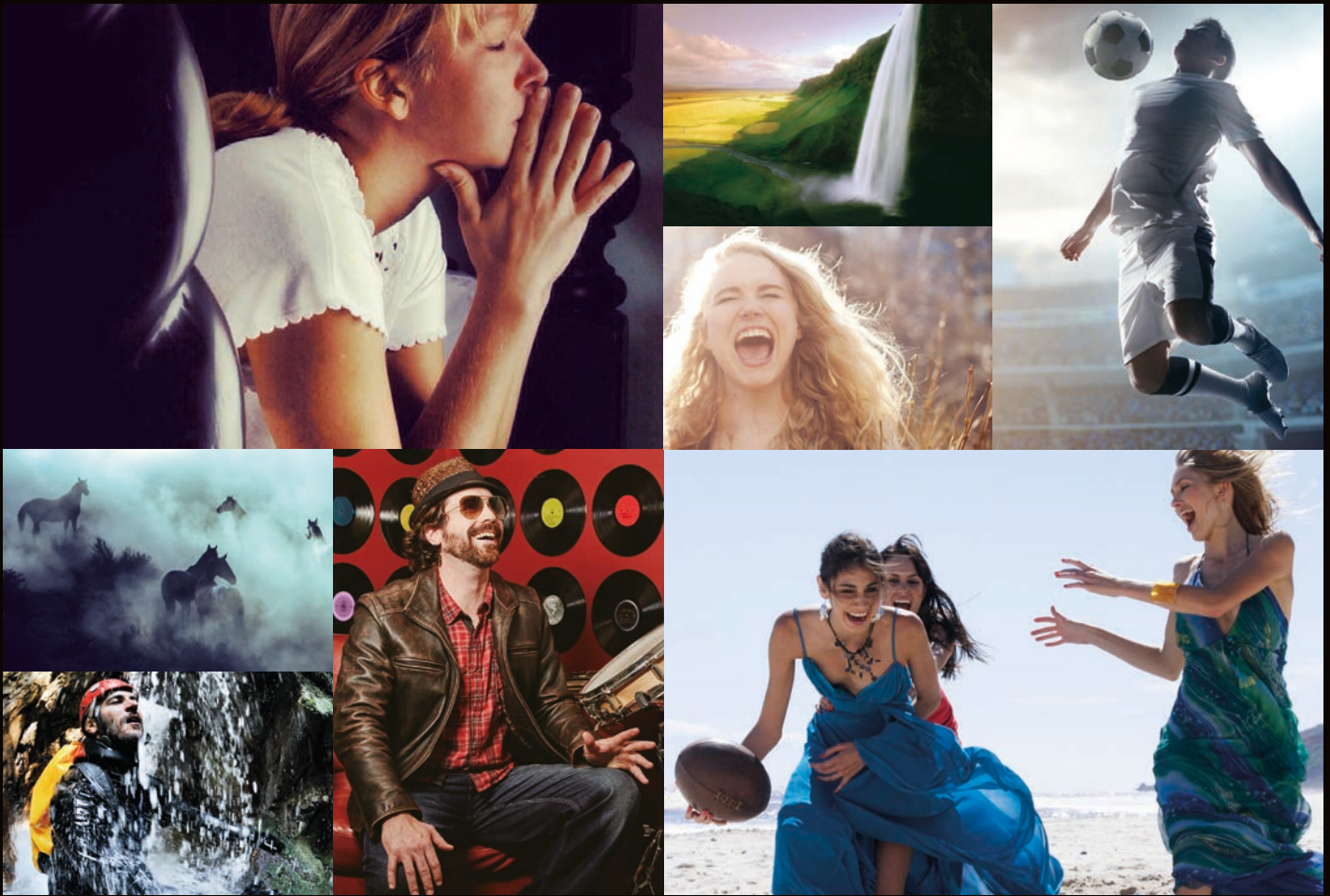
ONKYO®

Audio/Video Products 2015-2016

Make Ordinary Extraordinary.



www.eu.onkyo.com



Dynamic Audio Amplification

Hi-Current Amp Design

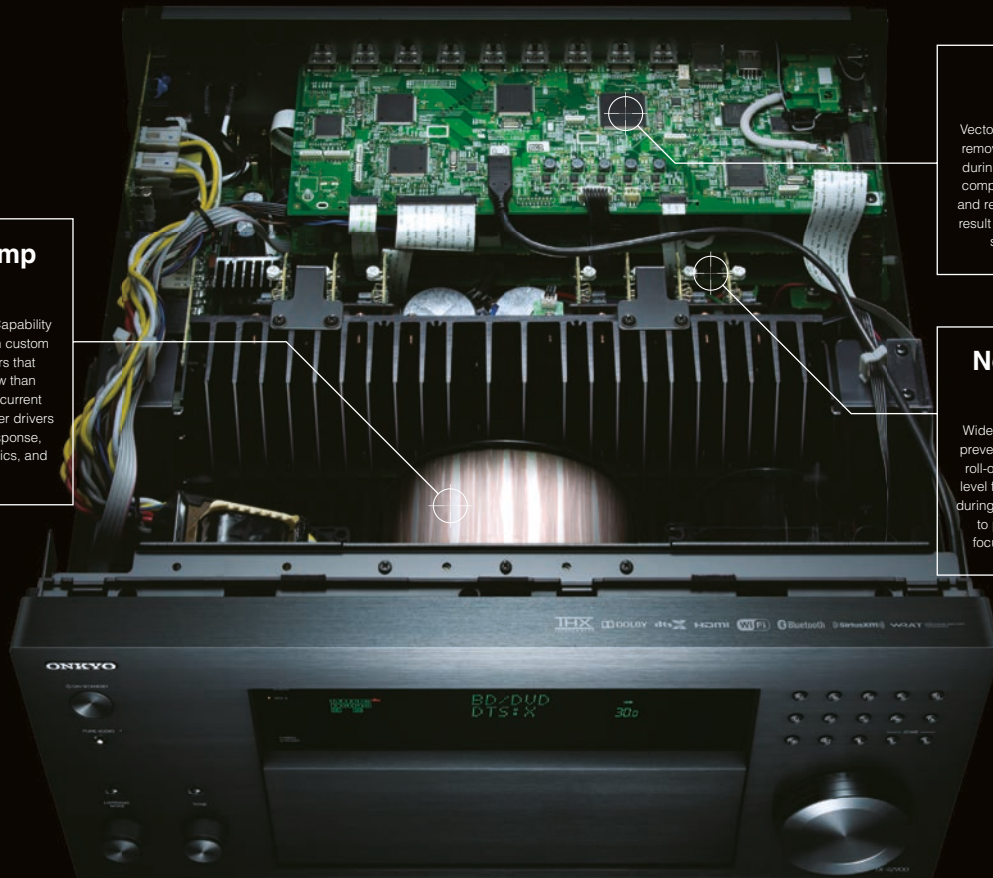
High Instantaneous Current Capability (HICC) is made possible with custom transformers and capacitors that deliver a higher current flow than competitive products. High current accurately controls the speaker drivers for outstanding transient response, rhythmic timing, wide dynamics, and breathtaking clarity.

VLSC™

Vector Linear Shaping Circuitry (VLSC) removes digital pulse noise generated during digital-to-analog conversion by comparing the input and output signal and reshaping it to its original form. The result is transparent reproduction of the subtlest details and textures.

Non-Phase-Shift Amp

Wide Range Amp Technology (WRAT) prevents phase shifting by pushing the roll-off point higher than the listening-level frequency. Eliminating phase shift during amplification allows the speakers to produce an exceptionally well-focused and realistic audio image.



Hear Every Detail, Feel Every Emotion



Let Imagination Take Flight Fully Interactive Object-Based Audio

DTS:X™ unbinds sound from traditional channels and allows it to move seamlessly from speaker to speaker above and around the audience, immersing you in the heart of the film.

Welcome to the Future A New Dimension in Movie Sound

With Dolby Atmos®, sound is free to flow around you in multidimensional space. Move from observer to participant and join your favorite characters in a living sphere of sound.





Feel the Rumble

Hear Every Detail,
Feel Every Emotion

TX-RZ800

New for 2015

7.2-Channel Network A/V Receiver



BLACK | SILVER

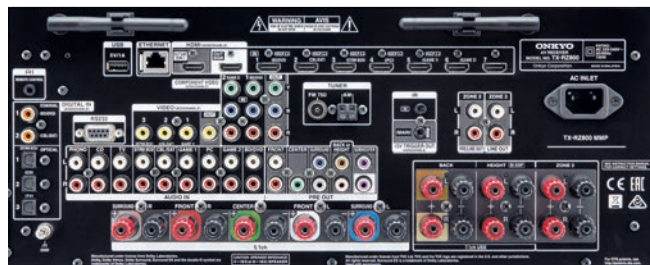


- 185 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channels Driven, IEC)
- Supports New DTS:X™ and Dolby Atmos® Formats for Exciting Multidimensional Sound
- THX® Select2™ Plus Certified for Cinema Reference Sound
- 4K/60 Hz, 4:4:4 Color Space, and HDCP 2.2-Capable HDMI® Terminals for UltraHD Entertainment (8 In / 2 Out Including 1 Front)*1
- Zone 2 HDMI Output for 4K Video in a Second Room*2
- Zone 2 Digital Audio and Network Audio Output
- Built-in Wi-Fi® and Bluetooth Technology for Wireless LAN and Audio Streaming
- Three-Stage Inverted Darlington Circuitry on All Channels
- Customized Capacitors and Transformer for High Current and Ultra-Low-Frequency Reproduction
- VLSC™ Technology for Noise-free Signal Path
- Pure Direct Analog Path Mode for Interference-free Hi-Fi Stereo Listening
- Hi-Grade AK4458 384 kHz/32-bit DAC (8 Channels x 1)
- Hi-Res Audio Playback Including 5.6 MHz DSD and 192 kHz/24-bit FLAC
- 7.2 Multichannel Pre-Outs
- Powered Zone 2 and Zone 2 Pre/Line-Out and Zone3 Line-Out for Distributed Audio Playback
- Aluminum Front Panel and Volume Control Knob

*1 6G 4:4:4 video and HDCP 2.2 is supported on HDMI inputs 1/2/3/4/5, Main Out, and Sub Out. *2 Zone 2 HDMI is supported on inputs 1/2/3/4/5.



Microphone for AccuEQ



The Gateway to THX® Reference Home Cinema

TX-NR747

New for 2015



7.2-Channel Network A/V Receiver

BLACK SILVER



- 175 W/Ch (6 Ω, 1 kHz, 1%THD, 1 Channel Driven, IEC)
- Supports New DTS:X™ and Dolby Atmos® Formats for Exciting Multidimensional Sound
- 4K/60 Hz, 4:4:4 Color Space, and HDCP 2.2-Capable HDMI® Terminals for UltraHD Entertainment (8 In / 2 Out Including 1 Front)*1
- THX® Select2™ Plus Certified for Cinema Reference Sound
- Hi-Current Amp Design for Authentic Sound Reproduction
- Built-in Wi-Fi® and Bluetooth Technology for Wireless LAN and Audio Streaming
- Hi-Grade AK4458 384 kHz/32-bit DAC (8 Channels x 1)
- Hi-Res Audio Playback Including 5.6 MHz DSD and 192 kHz/24-bit FLAC
- Proprietary AccuEQ Room Calibration with Mic Included
- Internet Radio and Music Streaming Subscription Services Included
- Control and Stream with Free Onkyo Remote Streaming Apps for iPod touch/iPhone®2 and Android™ Devices*3
- Bi-Amping Capability for Front Channels
- Advanced Music Optimizer to Improve Compressed Digital Audio Quality (Bluetooth Audio Included)
- PM Bass Boost for Deep Bass and Clear Mid-Range
- Powered Zone 2 and Zone 2 Line-Outs for Distributed Audio Playback

*1 6G 4:4:4 video and HDCP 2.2 is supported on HDMI inputs 1/2/3, Main Out, and Sub Out.
*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 2.1 or later.



Unlock the Power of DTS:X™ Object-Based Sound

TX-NR646

New for 2015



7.2-Channel Network A/V Receiver

BLACK SILVER



- 160 W/Ch (6 Ω, 1 kHz, 1%THD, 1 Channel Driven, IEC)
- Supports New DTS:X™ and Dolby Atmos® Formats for Exciting Multidimensional Sound
- 4K/60 Hz, 4:4:4 Color Space, and HDCP 2.2-Capable HDMI® Terminals for UltraHD Entertainment (8 In / 2 Out Including 1 Front)*1
- Hi-Current Amp Design for Authentic Sound Reproduction
- Built-in Wi-Fi® and Bluetooth Technology for Wireless LAN and Audio Streaming
- Hi-Grade AK4458 384 kHz/32-bit DAC (8 Channels x 1)
- Hi-Res Audio Playback Including 5.6 MHz DSD and 192 kHz/24-bit FLAC
- Proprietary AccuEQ Room Calibration with Mic Included
- Internet Radio and Music Streaming Subscription Services Included
- Control and Stream with Free Onkyo Remote Streaming Apps for iPod touch/iPhone®2 and Android™ Devices*3
- Advanced Music Optimizer to Improve Compressed Digital Audio Quality (Bluetooth Audio Included)
- Bi-Amping Capability for Front Channels
- PM Bass Boost for Deep Bass and Clear Mid-Range
- Powered Zone 2 and Zone 2 Line-Out for Distributed Audio Playback in Another Room
- Dual 32-bit Digital Signal Processing Engines
- Phono Input for Turntable Connection
- Graphical Overlaid On-Screen Display (OSD) via HDMI

*1 6G 4:4:4 video and HDCP 2.2 is supported on HDMI inputs 1/2/3, Main Out, and Sub Out.
*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 2.1 or later.



An Ideal Balance of Features and Performance

TX-NR545

7.2-Channel Network A/V Receiver

New for 2015



BLACK SILVER



- 100 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC) • Supports Dolby Atmos® up to 5.1.2 Channels • 4K/60 Hz, 4:4:4 Color Space, and HDCP 2.2-Capable HDMI® Terminals for UltraHD Entertainment (6 In / 1 Out) • Built-in Wi-Fi® and Bluetooth Wireless Audio Streaming • AK4458 384 kHz/32-bit DAC (8 Channels x 1) • Hi-Res Audio Playback Including 5.6 MHz DSD and 192 kHz/24-bit FLAC • AccuEQ Room Calibration with Mic Included • Internet Radio and Music Streaming Subscription Services Included • Control and Stream with Free Onkyo Remote Streaming Apps • Phase-Matching Bass Boost for Deep Bass and Clear Mid-Range • 2 Parallel Subwoofer Pre-Outs • Mass Storage Class USB Memory Playback Capability • Powered Zone 2 and Zone 2 Line-Out for Distributed Audio Playback in Another Room



Thrilling Dolby Atmos® Cinema That's Unbeatable Value

TX-SR444

7.1-Channel A/V Receiver

New for 2015



BLACK SILVER



- 100 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC) • Supports Dolby Atmos® up to 5.1.2 Channels • 4K/60 Hz, 4:4:4 Color Space, and HDCP 2.2-Capable HDMI® Terminals for UltraHD Entertainment (4 In / 1 Out) • Built-in Bluetooth Wireless Audio Streaming • AccuEQ Room Calibration with Mic Included • Phase-Matching Bass Boost for Deep Bass and Clear Mid-Range • TI Burr-Brown 192 kHz/24-bit DAC for All Channels • Discrete Output Stage Circuitry • Advanced Music Optimizer to Improve Compressed Digital Audio Quality (Bluetooth Audio Included) • STRM Box Port (Rear) for Powering Media Streaming Sticks • Easy Configuration Rear Panel • Zone B Output for Distributed Audio Playback in Another Room



Simplifying Surround-Sound for UltraHD Entertainment

TX-SR343

5.1-Channel A/V Receiver

New for 2015



BLACK SILVER

- 100 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC) • 4K/60 Hz, 4:4:4 Color Space, and HDCP 2.2-Capable HDMI® Terminals for UltraHD Entertainment (4 In / 1 Out) • Built-in Bluetooth Wireless Audio Streaming • Phase-Matching Bass Boost for Deep Bass and Clear Mid-Range • TI Burr-Brown 192 kHz/24-bit DAC for All Channels • Discrete Output Stage Circuitry • H.C.P.S. (High Current Power Supply) Massive High Power Transformer • Advanced Music Optimizer to Improve Compressed Digital Audio Quality (Bluetooth Audio Included) • STRM Box Port (Rear) for Powering Media Streaming Sticks • Analog Video Upconversion to HDMI • Easy Configuration Rear Panel



PR-SC5530

11.2-Channel Network A/V Controller



BLACK



- Supports Dolby Atmos® Format for Exhilarating Multiplex Surround-Sound • THX® Ultra2™ Plus Certified • Massive Toroidal Transformer and Two Separate Transformers for Audio and Video Processing • Separate Processing Block Construction • DTS Neo:X™ Upmixing and Surround Modes • 4K/60 Hz-Capable HDMI® Terminals for UltraHD Entertainment
- Supports HDCP 2.2*1 Copy Protection • 11.4-Channel Balanced XLR Pre-Outs, Audio-Grade 18 mm-pitch RCA Pre-Outs (Front L/R), and 11.4 Multichannel Pre-Outs
- AccuEQ Room Calibration with Mic for Clear and Balanced Sound

TX-NR3030

11.2-Channel Network A/V Receiver



BLACK SILVER



- 185 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC) • Supports Dolby Atmos® Format for Exhilarating Multiplex Surround-Sound • THX® Select2™ Plus Certified • DTS Neo:X™ Upmixing and Surround Modes • Three Separate Transformers for Amplification, Audio, and Video Processing • Separate Processing and Amplification Block Construction with Aluminum Heat Sink • 4K/60 Hz-Capable HDMI® Terminals for UltraHD Entertainment
- Supports HDCP 2.2*1 Copy Protection • 7 x T1 Burr-Brown 192 kHz/32-bit Two-Channel D/A Converters

TX-NR1030

9.2-Channel Network A/V Receiver



BLACK SILVER



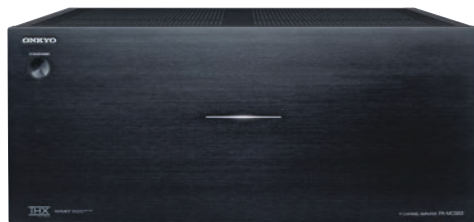
- 185 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC) • Supports Dolby Atmos® Format for Exhilarating Multiplex Surround-Sound • THX® Select2™ Plus Certified • Separate Processing and Amplification Block Construction with Aluminum Heat Sink • DTS Neo:X™ Upmixing and Surround Modes • ISF (Imaging Science Foundation) Video Calibration • 4K/60 Hz-Capable HDMI® Terminals for UltraHD Entertainment • Supports HDCP 2.2*1 Copy Protection
- Pure Direct Analog Path Mode for Interference-Free Hi-Fi Stereo Listening • Zone 2 HDMI for HD Video in a Second Room

PA-MC5501

9-Channel Amplifier



BLACK



- 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 • Flat, High-Rigidity, Anti-Resonant Chassis
- Gold-Plated XLR Inputs and Speaker Posts

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
- Independent Circuit Blocks for Audio, Digital Video, and Analog Video to Reduce Electromagnetic Interference • Center-Mounted Drive Mechanism for Optimal Weight Balance

HT-S9700THX 7.1-Channel Network A/V Receiver/Speaker Package



BLACK



HT-R993 7.2-Channel Network AV Receiver

- 160 W/Ch (6 Ω, 1 kHz, 1% 1 Channel Driven, IEC) • THX® I/S Plus™ Certified for Cinema-Reference Sound • Supports Dolby Atmos® Format for Exciting Multidimensional Sound • 4K/60 Hz-Capable HDMI® Terminals for UltraHD Entertainment*1 • Supports HDCP 2.2 for Future 4K/Full HD Video Streaming and Broadcast*2 • 7 HDMI Inputs (1 Front with MHL™/6 Rear) and 2 Outputs • HDMI Video Upscaling to 4K with Qdeo™ Processing Technology by Marvell • Built-in Wi-Fi®-Certified Wireless LAN and Bluetooth Version 2.1 + EDR with Advanced Music Optimizer • AccuEQ Room Calibration with Mic for Clear and Balanced Sound • Powered Zone 2 and Zone 2 Line-Out for Distributed Audio Playback in Another Room • WHD: 435 x 173.5 x 329 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



HT-S7705 5.1.2-Channel Network A/V Receiver/Speaker Package



BLACK



HT-S5805 5.1.2-Channel Dolby Atmos® Home Cinema Package

New for 2015



BLACK



HT-R693 7.2-Channel Network AV Receiver

- 160 W/Ch (6 Ω, 1 kHz, 1% 1 Channel Driven, IEC) • Supports Dolby Atmos® up to 5.1.2 Channels • 4K/60 Hz-Capable HDMI® Terminals for UltraHD Entertainment*1 • Supports HDCP 2.2 for Future 4K/Full HD Video Streaming and Broadcast*2 • 7 HDMI Inputs (1 Front with MHL™/6 Rear) and 2 Outputs • HDMI Video Upscaling to 4K with Qdeo™ Processing Technology by Marvell • Built-in Wi-Fi®-Certified Wireless LAN and Bluetooth Version 2.1 + EDR with Advanced Music Optimizer • Three-Stage Inverted Darlington Circuitry for Front and Center Channels • AccuEQ Room Calibration with Mic for Clear and Balanced Sound • Powered Zone 2 and Zone 2 Line-Out for Distributed Audio Playback in Another Room • WHD: 435 x 173.5 x 329 mm • 10.5 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-R494 7.1-Channel AV Receiver

- 100 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC) • Supports Dolby Atmos® up to 5.1.2 Channels • 4K/60 Hz-Capable HDMI® Terminals with 4:4:4 Color Space for UltraHD Entertainment (4 In/1 Out) • Bluetooth Version 2.1 + EDR Capability (Compatible Profile: A2DP v1.2, AVRCP v1.3) • Advanced Music Optimizer to Improve Compressed Digital Audio Quality (Bluetooth Audio Included) • Phase-Matching Bass Boost for Deep Bass and Clear Mid-Range • AccuEQ Room Acoustic Calibration • Pure Driving Power from Discrete Amp Technology • STRM Port (Rear) for Powering Media Streaming Sticks • Simple Rear Panel Layout for Easy Connection • 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-S4505 5.1-Channel Home Cinema Receiver/Speaker Package



BLACK SILVER



HT-R558 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 • 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 • WHD: 435 x 150 x 318 mm • 7.6 kg

HTP-558 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-558 Bass Reflex Powered Subwoofer • WHD: 211 x 425 x 391 mm • 6.1 kg



HT-S3705 5.1-Channel Home Cinema Receiver/Speaker Package



BLACK



HT-R393 5.1-Channel Home Cinema Receiver

- 100 W/Ch (6 Ω, 1 kHz, 1% THD, 1 Channel Driven, IEC) • 6 HDMI Inputs and 1 Output for 4K/60 Hz UltraHD Entertainment • Bluetooth Version 2.1 + EDR Capability with Advanced Music Optimizer • USB Port for Mass Storage Class USB Memory Playback of Lossless Audio • Zone 2 Line-Out for Distributed Audio Playback in Another Room • WHD: 435 x 150 x 321 mm • 8.1 kg

HTP-358 5.1-Channel Home Cinema Speaker System

- SKF-358 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



*1 4K/60 Hz video is supported on HDMI inputs 1/2/3/4, the frontside input, Main Out, and Sub Out. *2 HDCP 2.2 is supported on HDMI Input 3 and Main Out only.

SKF-4800 Front Speakers

BLACK

- 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 to Minimize Vibration
- Stylish Floor-Standing Design • Impedance: 6 Ω
- Max. Input Power: 130 W
- Frequency Response: 55 Hz–35 kHz
- WHD: 295 x 1024 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

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 • 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

SKS-HT978THX

5.1-Channel Home Cinema Speaker System

New for 2015



BLACK



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

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

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

THX A-OMF

SKS-HT588

5.1.2-Channel Home Cinema Speaker System

New for 2015



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

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

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



SKH-410 Dolby Atmos®-Enabled Speaker System



BLACK

- Dedicated Dolby Atmos-Enabled Speakers • Dolby Atmos-Certified Special Network Inside • Position on an Existing Front Speaker (Such as Onkyo SKF-4800) or Wall-Mount to Enable Dolby Atmos Height Effects
- 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



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

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 2-Way Acoustic-Suspension 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 • Down-Firing • Rated Output Power: 80 W (Minimum Continuous Power: 4 Ω, 100 Hz, 1%, IEC) • 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 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
All speakers feature an impedance of 6 Ω and wall-mounting capability.
- 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

Core Technologies

Three-Stage Inverted Darlington Circuitry

Based on the time-proven Darlington topology, this sophisticated three-stage inverted amp circuit is designed for high-energy applications where very low distortion is required.



Hi-Grade 32-bit DACs from Asahi Kasei

Premium 32-bit D/A converters unlock the full potential of any audio format with unique low-distortion filtering technologies guaranteeing transparent reproduction of any audio source.



Latest HDMI® Spec is Ready for the Future

Enjoy streamed or broadcast 4K/60 Hz video with the latest HDCP 2.2-compliant HDMI terminals supporting 4:4:4 color space and 21:9 cinema aspect ratio.

**HDCP 2.2
UltraHD**

Experience DSD and 192/24 Hi-Res Audio

Onkyo AV receivers are engineered for universal Hi-Res Audio decoding including the popular 192/24 FLAC and 5.6 MHz DSD formats. Unlock the full potential of next-generation audio with convenient smartphone app control.



Wi-Fi® for Network Audio

Stream audio stored on PC, media server, or mobile devices via Wi-Fi with convenient song selection and playback control from your smartphone app.



AirPlay On Board

Select network AV receivers support AirPlay, allowing Apple users to stream audio from mobile and PC via apps such as YouTube and iTunes.



Bluetooth Technology Inside

Whatever application you prefer, you can pair up and stream to your home cinema using Bluetooth technology. Onkyo's original DSP sound optimization improves compressed audio quality.



Internet Radio and Streaming Services

Spotify Connect is built in to select receivers, so you can use the Spotify or Onkyo apps to explore a new world of music. Other streaming and internet radio services include Deezer and TuneIn Radio.



Remote Apps for iOS and Android

Our remote app puts a range of streaming and control options in the palm of your hand. Adjust settings quickly and manage playback across your home.



THX® Cinema-Reference Sound

THX certification guarantees high cinema-reference volume in your listening space. Experience movies exactly as the director intended with Onkyo and THX.



Share 4K Video in Two Zones

HDMI Sub Out lets you send 4K and 1080p content from the media players connected to your receiver to a second TV with easy smartphone app control.

HDMI Video Upconversion

Every video signal—even analog video from legacy game consoles or VCRs—is converted and sent to your TV through a single HDMI cable for simple installation.

AccuEQ Room Acoustic Calibration

AccuEQ measures and corrects output, crossovers, and frequency response to suit your speaker layout and room acoustics, eliminating standing waves and ensuring clear and balanced surround-sound.

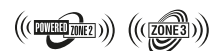


Pure Direct Analog Path

This mode prevents interference on analog signals by switching off all digital circuitry, allowing you to use the AV receiver as a Hi-Fi power amplifier—great for vinyl listening.

Whole-House Audio Distribution

Use powered and pre/line outputs on select Onkyo AV receivers to distribute audio in up to three zones. Select models also enable transmission of digital input signals to Zone 2 via the powered outputs.



Phase-Matching Bass Boost

PM Bass controls the phase timing of different frequencies to preserve mid-range clarity while ensuring a powerful bass response at all volumes.



Hybrid Standby Saves Power

Hybrid Standby maintains HDMI and network connectivity while the receiver is powered down. This means you can watch TV and use your media players without turning on the receiver.





Luxury Sound for Life

New for 2015



LS3200 2.1-Channel Speaker System

BLACK | WHITE

LAP-302 2.1-Channel Control Center

- Digital Amplifier Circuitry to Maintain Clean Audio Signals
- Preset Remote Control Code for Most TV Brands with Learning Capability*1
- Auto Power On/Standby with TV
- Features DTS Studio Sound™ Technology for Clear, Room-Filling Sound Reproduction
- Voice Mode for Clearer Voice Reproduction
- Bluetooth Wireless Audio Streaming Technology (Version 2.1 + EDR)
- 2 Digital Audio Inputs (Optical and Coaxial)
- WHD: 187 x 32 x 120 mm • 0.3 kg

SLM-302 Full-Range Acoustic-Suspension Speakers

- 6.5 cm Cones x 2
- Detachable Speaker Stands for Greater Mounting Flexibility
- Wall Mountable
- Vertical or Horizontal Orientation
- WHD: 169 x 78 x 108 mm (Horizontal), 169 x 111 x 133 mm (Horizontal, with Stand)
- 0.7 kg (Without Stand)

SKW-B50 Wireless Subwoofer

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



LS-T30 TV Speaker System



BLACK | SILVER

- Advanced Digital Amplification for Clear and Dynamic Sound
- Precision Speaker System with Four 6.5 cm Full-Range Drivers
- Powerful 16 cm Down-Firing Subwoofer
- Four Optimized Sound Modes (Surround/Stereo/Voice/Standard)
- Features DTS Studio Sound™ Technology
- Bluetooth Wireless Audio Streaming Technology (Version 2.1 + EDR)
- Dolby® Digital Decoding from Blu-ray Disc, DVD, and HDTV Broadcast
- Designed for Big-Screen TVs up to 70 Inches or 60 kg
- Quick and Easy Single-Cable TV Connection (Digital Optical/Coaxial or Analog)
- Easy System Control with TV Remote*1
- Strong and Solid MDF Construction with High Quality Finish
- WHD: 905 x 95 x 400 mm • 10.4 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/S/L/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 DAC (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



Reference Hi-Fi Series

Engineered for Audio Perfection

P-3000R Preamplifier



SILVER BLACK



DIDRC 192 kHz/32-bit **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 • 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 HD 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.

Experience True Musicality from Compact Disc

C-7000R Compact Disc Player



SILVER BLACK



DIDRC 192 kHz/24-bit **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 • 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)

Satisfy Your Desire for Reference Sound

M-5000R Power Amplifier



SILVER BLACK



DIDRC **AWRAT**

- 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

Elite Integrated Amp Brings Your Music to Life

A-9000R Integrated Stereo Amplifier



SILVER BLACK



DIDRC **AWRAT** 192 kHz/24-bit **USB RI**

- 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 HD 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)

A-9070 Integrated Stereo Amplifier



SILVER BLACK



DIDRC **AWRAT** 192 kHz/24-bit **RI**

- 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) • 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) • 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)

A-9050 Integrated Stereo Amplifier



SILVER BLACK



DIDRC **AWRAT** **PMBASS** 192 kHz/24-bit **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) • Thick, Low-Impedance Copper Bus Bars • Two 10,000 μF Capacitors • Wolfson® 192 kHz/24-bit DAC (WM8718) • Phase-Matching Bass Boost • 96 kHz/24-bit Capable Digital Audio Inputs (1 Optical and 2 Coaxial) • Phono Input (MM) • Gold-Plated RCA Terminals and Speaker Posts • 1.6 mm Full Flat Chassis

A-9030 Integrated Stereo Amplifier



SILVER BLACK



- 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

AWRAT **PMBASS** **RI**



CP-1050

Direct Drive Turntable

New for 2015



BLACK YELLOW



- 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 Effortlessly Smooth and Stable Rotation
- Aluminum Static-Balance S-shaped Tonearm
- Detachable Headshell Compatible with Aftermarket Cartridges
- Gold-Plated RCA Phono Output
- Easy Button-Selectable 33 1/3 and 45 rpm Speeds
- WHD: 450 x 158 x 367.5 mm • 8.6 kg



A-9010

Integrated Stereo Amplifier

New for 2015



SILVER BLACK



WRAT 100dB Gain RI

- 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 WM18718 192 kHz/24-bit DAC
- Two Digital Audio Inputs (Optical and Coaxial)
- Coaxial Supports Sampling Rates 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

T-4070

Network Tuner

Hi-Res AUDIO



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
- DLNA Version 1.5 Certification
- Separate Wolfson® 192 kHz/24-bit DACs (WM18742 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 for Control of Hi-Fi System via iPod touch/iPhone and Android™ Devices*2
- FM/AM/DAB+ Tuner
- 3 Digital Audio Outputs (Amphenol AES/EBU, Optical, and Coaxial)
- Machined, Gold-Plated RCA, AES/EBU, and Coaxial Terminals
- WHD: 435 x 100 x 306.7 mm • 5.8 kg

T-4030

DAB+/DAB/FM Tuner



SILVER BLACK



VLSCL DAB+ DAB RI

- VLSCL™ (Vector Linear Shaping Circuitry)
- 40 DAB/DAB+ Presets
- 40 FM Presets
- Digital Audio Outputs (Optical and Coaxial)
- Analog Audio Output
- FM Digital Output Capability
- Wolfson® DAC (WM18718)
- FM Mono Mode for Weak Signals
- High-Rigidity, Anti-Resonant Chassis to Prevent Vibrations
- Audiophile-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

TX-8150

Network Stereo Receiver

New for 2015

Hi-Res
AUDIO

SILVER | BLACK



VRAT DSD WFi CERTIFIED Bluetooth Spotify DEEZER +tunein BAS+ 384kHz/32bit USB RI

- 135 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC) • Non-Phase-Shift Amp Design for Realistic Sound Imaging • Two Custom-Made 8,200 μF Hi-Current Capacitors • AKM AK4452 384 kHz/32-bit Hi-Grade DAC • Built-in Wi-Fi® and Bluetooth Audio Support
- Internet Radio and Music Streaming Subscription Services Included • Compatible with Spotify Connect and AirPlay • Supports Onkyo Remote App • 4 Quick-Access BGM Presets • DAB/DAB+ Tuner with 40 Station Presets • Plays Music from Mass-Storage-Class USB Memory Devices

TX-8130

Network Stereo Receiver

New for 2015

Hi-Res
AUDIO

SILVER | BLACK



VRAT DSD Spotify DEEZER +tunein 384kHz/32bit USB RI

- 110 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC) • Non-Phase-Shift Amp Design for Realistic Sound Imaging • Two Custom-Made 8,200 μF Hi-Current Capacitors • AKM AK4452 384 kHz/32-bit Hi-Grade DAC • Internet Radio and Music Streaming Subscription Services Included • Compatible with Spotify Connect • Supports Onkyo Remote App
- 4 Quick-Access BGM Presets • Plays Music from Mass-Storage-Class USB Memory Devices • 2 Digital Audio Inputs (Optical and Coaxial) • 6 Analog Audio Inputs and 1 Output • MM Phono Input

TX-8020

Stereo Receiver



SILVER | BLACK



VRAT RI

- 90 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC) • Discrete Amplifier Design with Massive EI Transformer • High-Current, Low-Impedance Drive • 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

C-7070

Compact Disc Player



SILVER | BLACK



DIDRC 192kHz/24bit MP3 WMA USB RI

- Plays Audio CD, CD-R, CD-RW, MP3 CD, and WMA CD • 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) • Machined, Gold-Plated Audio Terminals

C-N7050

Network CD Player

Hi-Res
AUDIO



SILVER | BLACK



DSD DSDC MP3 WMA vTuner VLSC 192kHz/24bit dlna USB RI

- Plays Audio CD, CD-R, CD-RW, MP3-Encoded CD-R/CD-RW, and WAV-Encoded CD-R/CD-RW • Gapless Streaming of Native 2.8 MHz DSD/5.6 MHz DSD, 192 kHz/24-bit FLAC and WAV, and 96 kHz/24-bit ALAC Formats • Control and Stream Audio from Mobile with Onkyo Remote App*1 • iPod/iPhone-Certified Direct-Digital USB Input (Front)
- Includes vTuner Internet Radio Service • Top-Quality TI Burr-Brown 192 kHz/32-bit DAC (PCM1795 x1) • Floating 32-bit DSP Engine • 2 USB Inputs (Front and Rear) • 2 Digital Outputs (Optical and Coaxial) • 3 Internet Radio Station Memory Presets with vTuner Bookmark Function

C-7030

Compact Disc Player



SILVER | BLACK



VLSC 192kHz/24bit DSDC MP3 WMA RI

- Plays Audio CD, CD-R, CD-RW, MP3 CD, and WMA CD • VLSC™ (Vector Linear Shaping Circuitry) for Pulse Noise Reduction • Precision Clock (±10 ppm) • Wolfson® 192 kHz/24-bit DAC (WM8718) • 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

DX-C390

6-Disc CD Carousel Changer



BLACK | SILVER



DSDC VLSC 192kHz/24bit VQA DIRECT DIGITAL PATH DSDC MP3 RI

- 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

*1 Onkyo Remote Apps compatibility: iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later; Android devices require Android 2.1 or later.



Hear More, Feel More with Onkyo Wireless Hi-Fi

CS-265 CD Hi-Fi Mini System

WHITE | BLACK | RED | LIGHT BLUE | YELLOW



colibrino



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 | iPod | iPhone | iPad

CS-265DAB

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



BLACK | WHITE



MP3 | USB | NFC | Bluetooth

CS-1045 CD Hi-Fi Mini System

SILVER | BLACK



Silver

CS-1045DAB

CD Hi-Fi Mini System



BLACK | SILVER



R-1045DAB / C-1045 / D-145

R-1045 Stereo Receiver

- 70 W/Ch (4 Ω, 1 kHz, 1 Channel Driven, IEC)
- Massive Power Transformer
- Burn-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)
- Digital Audio Output (Coaxial)
- Precision Clock
- 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: 283 x 283 x 230 mm
- 3.7 kg

LSC | 192 kHz | MP3 | WMA | USB | RI



PHA-1045

CD Mini Hi-Fi Components

PHA-1045DAB

SILVER | BLACK



Hi-Fi components without speakers

UWF-1 Wireless LAN Adapter

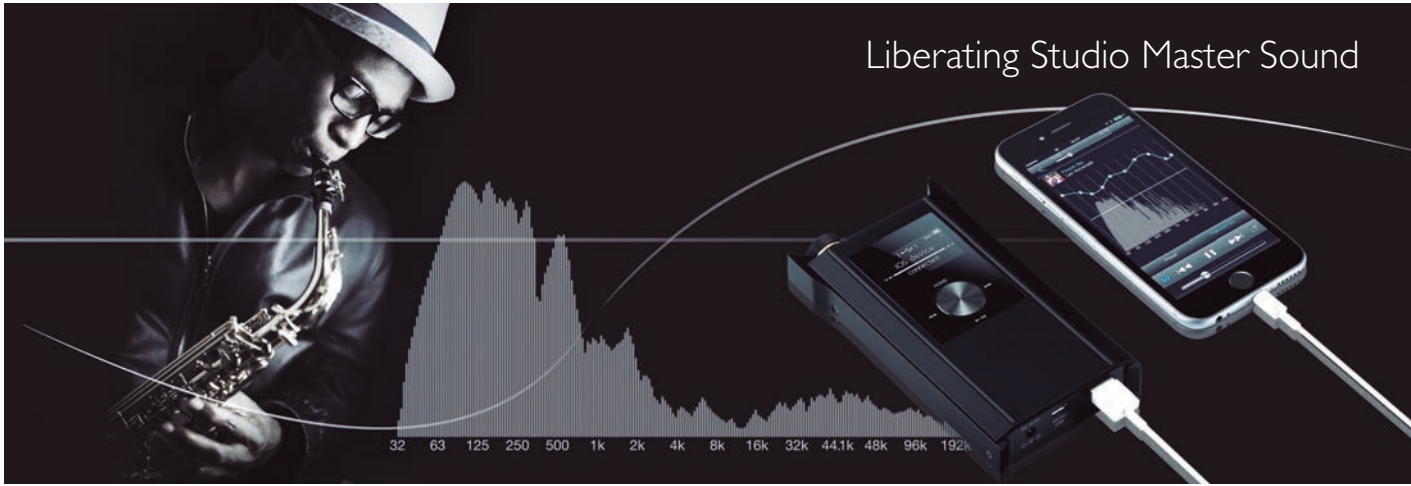
BLACK



- 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



Liberating Studio Master Sound

DAC-HA300

D/A Converter/Headphone Amplifier/SD Player

New for 2015

Hi-Res AUDIO



BLACK



Made for iPod iPhone iPad

- MUSES8920 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*3 (via Micro USB Type-B Input)
- Compatible with Most Major Hi-Res, Lossless, and Compressed Audio Formats
- Supports 192 kHz/24-bit Hi-Res Audio from Connected Media Players via Digital Optical/Coaxial Switching Input
- Inbuilt Hi-Res Music Player with Up to 128 GB microSD Card Storage**4
- Bright OLED Screen for Song Selection
- Premium TI Burr-Brown 192 kHz/32-bit PCM11795 DAC Enables Asynchronous D/A Conversion for PC, Mac, and Android
- WHD: 69.6 x 21.5 x 123 mm • 280 g

*1 Certified for iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, iPad Retina (4th Generation), iPad Air, iPad mini, iPad mini Retina, and iPod touch (5th Generation or later). Full HF Player app functionality for Hi-Res Audio is available when iOS device is connected via USB cable. *2 Requires Android 4.1 or later. Full HF Player app functionality is available when Android device is connected via USB cable. *3 Connection to computer via USB is supported by Windows Vista, Windows 7, Windows 8, Windows 8.1, OS X Lion, OS X Mountain Lion 10.8, and OS X Mavericks 10.9. Functionality with other operating systems is not guaranteed. *4 A microSD card is not included.



MUSES 8920 Op-Amp

DAC-HA200

D/A Converter and Headphone Amplifier

Hi-Res AUDIO



BLACK



Made for iPod iPhone iPad

- MUSES 8920 Op-Amp with Discrete Low-Distortion Push-Pull Output Circuitry
- Support for iOS Devices*1 with Lightning Connector and AOA 2.0-Compliant Android™ Devices*2 via USB A-type Input
- Asynchronous High-Resolution D/A Converter for PC, Mac, and Android via USB with High-Precision Clock to Reduce Jitter and Digital Noise*3
- Free Access to Onkyo HD Player Pack When Connected to iOS Devices via USB
- 96 kHz/24-bit-Capable Optical Digital Input
- TI Burr-Brown PCM5102 DAC
- WHD: 64 x 21.7 x 112 mm • 210 g

*1 Certified for iPhone 5s, iPhone 5c, iPhone 5, iPad Retina (4th Generation), iPad Air, iPad mini, iPad mini Retina, and iPod touch (5th Generation). *2 Maximum output resolution for Android devices with AOA 2.0 is 48 kHz at 16-bit depth (Android 4.1 and later). *3 Connection to computer via USB is supported by Windows Vista, Windows 7, Windows 8, Windows 8.1, OS X Snow Leopard 10.6.4 or later, OS X Lion, OS X Mountain Lion 10.8, and OS X Mavericks 10.9. Functionality with other operating systems is not guaranteed.

CR-N765 Network CD Receiver

SILVER BLACK



- 22 W/Ch (4 Ω, 1 kHz, 0.4%, 2 Channels Driven, IEC)
- Plays Audio CD, CD-R, and CD-RW
- Playback of Audio Files Through Local Network and USB (MP3, WMA, WMA Lossless, FLAC, WAV, Ogg Vorbis, AAC, LPCM, ALAC, 5.6 MHz DSD)
- High-Resolution Gapless Playback Capability (FLAC, WAV, ALAC)
- Three-Stage Inverted Darlington Circuitry
- Symmetrical Power Amplifier Circuit Design
- High-Quality 768 kHz/32-bit Stereo DAC (VERITA AK4490)
- Internet Radio and Music Streaming Service Connectivity*1
- Control and Stream Audio from Mobile with Onkyo Remote App*2
- Front-Panel USB Port for iPod/iPhone or Flash Memory Device
- Discrete Headphone Amplifier
- WHD: 215 x 119 x 331 mm • 5.0 kg



Hi-Res AUDIO



CS-N765 Network Hi-Fi Mini System

SILVER BLACK



CS-N765(S)



*1 Availability of services depends on region. Some services may require a paid subscription and firmware update. Availability of third-party services advertised here is accurate at the time of publication, but may be subject to change without notice.
*2 Onkyo Remote Apps compatibility: iPod touch (3rd generation or later) and iPhone 3GS or later. All models require iOS 4.2 or later; Android devices require Android 2.1 or later.

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

Hi-Res AUDIO



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

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
- Playlist creation function for Hi-Res library

Supported Formats (iOS)

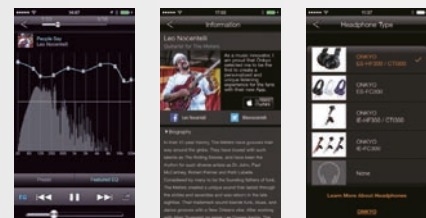
- MP3/ALAC/AAC/WAV/AIFF (up to 48 kHz)

- 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)

* Paid version only.



iOS version pictured.

Note: Audio on Android devices with a sampling rate exceeding 88.2 kHz is downsampled to 44.1 kHz or 48 kHz. HF Player for iOS is compatible with iPhone 4s or later, iPod touch 5th generation or later, iPad 2 or later, and iPad mini running iOS 6 or later. iPhone 5s or later is recommended for playback of DSD 11.2 MHz and above. HF Player for Android requires Android 4.1 or later.

A/V Receivers

SPECIFICATIONS											
AMPLIFIER SECTION	PR-SC530	TX-NR3030	TX-NR1030	TX-RZ900	TX-RZ800	TX-NR747	TX-NR646	TX-NR545	TX-SR444	TX-SR343	
Channels	11.2 (Pre-Outs Only)	11.2	9.2	7.2	7.2	7.2	7.2	7.2	7.1	5.1	
Power Output All Channels (except for subwoofers)	—	185 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	185 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)	175 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	160 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	100 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	100 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	—	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)	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) 230 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)	160 W (3 Ω, Front) 125 W (4 Ω, Front) 85 W (8 Ω, Front)	
THD + N (Total Harmonic Distortion + Noise)	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)	0.08% (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)	
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) 3.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 3.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 2.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 3.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 3.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 3.5 mV/47 kΩ (Phono MM)	200 mV/47 kΩ (Line) 3.5 mV/47 kΩ (Phono MM)	
Rated RCA Output Level and Impedance	200 mV/470 Ω (Pre Out)	200 mV/470 Ω (Pre Out)	200 mV/470 Ω (Pre Out)	1.0 V/470 Ω (Pre Out) 1.0 V/470 Ω (Subwoofer Pre Out) 100 mV/2.2 kΩ (Zone Out) 1.0 V/2.2 kΩ (Zone Pre Out)	1.0 V/470 Ω (Pre Out) 1.0 V/470 Ω (Subwoofer Pre Out) 100 mV/2.2 kΩ (Zone Out) 1.0 V/2.2 kΩ (Zone Pre Out)	100 mV/2.3 kΩ (Zone 2 Line Out) 1.0 V/470 Ω (Subwoofer Pre Out)	100 mV/2.3 kΩ (Zone 2 Line Out) 1.0 V/470 Ω (Subwoofer Pre Out)	100 mV/2.3 kΩ (Zone 2 Line Out) 1.0 V/470 Ω (Subwoofer Pre Out)	1.0 V/470 Ω (Pre Out) 1.0 V/470 Ω (Subwoofer Pre Out)	1.0 V/470 Ω (Pre Out) 1.0 V/470 Ω (Subwoofer Pre Out)	
Maximum RCA Output Level and Impedance	4.6 V/470 Ω (Pre Out)	4.6 V/470 Ω (Pre Out)	4.6 V/470 Ω (Pre Out)	—	—	—	—	—	—	—	
Rated XLR Output Level and Impedance	400 mV/470 Ω (Pre Out)	400 mV/470 Ω (Pre Out)	400 mV/470 Ω (Pre Out)	—	—	—	—	—	—	—	
Maximum XLR Output Level and Impedance	9.2 V/470 Ω (Pre Out)	9.2 V/470 Ω (Pre Out)	9.2 V/470 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 (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)	10 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–100 kHz/+1 dB, -3 dB (Direct Mode)	10 Hz–100 kHz/+1 dB, -3 dB (Direct Mode)	
Tone Control	Bass Treble	±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, 20 Hz ±10 dB, 20 kHz	±10 dB, 20 Hz ±10 dB, 20 kHz	±10 dB, 20 Hz ±10 dB, 20 kHz	±10 dB, 20 Hz ±10 dB, 20 kHz	±10 dB, 20 Hz ±10 dB, 20 kHz	±10 dB, 20 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)	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)	100 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)	100 dB (Line, IHF-A) 80 dB (Phono MM, IHF-A)	100 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	4 Ω–16 Ω	4 Ω–16 Ω	4 or 6 Ω–16 Ω	4 or 6 Ω–16 Ω	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 Pa/Ca, Pr/Ca) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component Pa/Ca, Pr/Ca) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component Pa/Ca, Pr/Ca) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component Pa/Ca, Pr/Ca) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component Pa/Ca, Pr/Ca) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component Pa/Ca, Pr/Ca) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component Pa/Ca, Pr/Ca) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component Pa/Ca, Pr/Ca) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component Pa/Ca, Pr/Ca) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component Pa/Ca, Pr/Ca) 1.0 Vp-p/75 Ω (Composite)	1.0 Vp-p/75 Ω (Component Y) 0.7 Vp-p/75 Ω (Component Pa/Ca, Pr/Ca) 1.0 Vp-p/75 Ω (Composite)
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–13.5 MHz/+0 dB, -3 dB	5 Hz–13.5 MHz/+0 dB, -3 dB	5 Hz–13.5 MHz/+0 dB, -3 dB	5 Hz–13.5 MHz/+0 dB, -3 dB	5 Hz–13.5 MHz/+0 dB, -3 dB	
TUNER SECTION											
Tuning Frequency Range	FM AM	87.5 MHz–108 MHz 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	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	
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	60 W	1,105 W	955 W	840 W	720 W	710 W	630 W	430 W	420 W	340 W	
No-Sound Power Consumption	—	—	—	95 W	90 W	70 W	70 W	60 W	55 W	35 W	
Standby Power Consumption	—	—	—	0.2 W	0.2 W	0.15 W	0.15 W	0.15 W	0.3 W	0.3 W	
Dimensions (W x H x D)	435 x 199 x 461.5 mm	435 x 199 x 466.5 mm	435 x 199 x 466.5 mm	435 x 201.5 x 433.5 mm	435 x 201.5 x 433.5 mm	435 x 175 x 379 mm	435 x 173.5 x 329 mm	435 x 173.5 x 329 mm	435 x 160 x 328 mm	435 x 160 x 328 mm	
Weight	14.0 kg	22.0 kg	20.5 kg	18.0 kg	17.0 kg	11.5 kg	9.4 kg	8.6 kg	8.0 kg	8.0 kg	

Integrated Amplifiers

SPECIFICATIONS					
	A-9000R	A-9070	A-9050	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)	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)	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)	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)	0.006% (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)	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)	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)	150 mV/100 kΩ (Line) 3.0 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)	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%) 5.2 mV (MC, 1 kHz, 0.5%)	100 mV (MM, 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, 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)	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)	±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) 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)	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 (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
Power Supply	AC 230 V–, 50 Hz	AC 230 V–, 50 Hz	AC 230 V–, 50 Hz	AC 220–230 V–, 50/60 Hz	AC 220–240 V–, 50/60 Hz
Power Consumption	300 W	290 W	160 W	135 W	155 W
No-Sound Power Consumption	—	—	—	—	25 W
Standby Power Consumption	0.2 W	0.2 W	0.3 W	0.3 W	0.4 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	435 x 129.5 x 332.5 mm
Weight	18.5 kg	18.1 kg	8.2 kg	7.4 kg	6.5 kg

BD Player

SPECIFICATIONS	
	BD-SP809
Frequency Range (Digital Audio)	4 Hz–88 kHz (192 kHz)
BD	4 Hz–44 kHz (96 kHz)
DVD Linear Sound	4 Hz–22 kHz (48 kHz)
Audio CD	4 Hz–20 kHz (44.1 kHz)
S/N Ratio (Digital Audio)	100 dB
Audio Dynamic Range (Digital Audio)	98 dB
THD (Digital Audio)	0.005% (1 kHz)
Wow and Flutter	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/Pn: 0.7 Vp-p/75 Ω
Component Video Frequency Response	5 Hz–50 MHz
Audio Output/Impedance	
Digital (Optical)	-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
Power Consumption	23 W
Dimensions (W x H x D)	435 x 104 x 313 mm
Weight	4.7 kg

9-Channel Amplifier

SPECIFICATIONS	
	PA-MC5501
Power Output	220 W/Ch (6 Ω, 1 kHz, 1 Channel Driven, IEC)
All Channels	
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)
Input Sensitivity and Impedance	1 V/47 kΩ (Balanced) 2 V/22 kΩ (Unbalanced)
Frequency Response	5 Hz–100 kHz/±1 dB, -3 dB
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

Stereo Receivers

SPECIFICATIONS			
	TX-8150	TX-8130	TX-8020
Power Output	135 W/Ch (6 Ω, 1 kHz, 1%, 1 Channel Driven, IEC)	110 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	190 W/Ch (3 Ω) 170 W/Ch (4 Ω) 110 W/Ch (8 Ω)	170 W/Ch (3 Ω) 150 W/Ch (4 Ω) 90 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)
Input Sensitivity and Impedance			
Line	200 mV/47 kΩ	200 mV/47 kΩ	200 mV/47 kΩ
Phono MM	3.5 mV/47 kΩ	3.5 mV/47 kΩ	2.5 mV/47 kΩ
Rated RCA Output Level and Impedance	1 V/680 Ω (Subwoofer Pre Out)	1 V/680 Ω (Subwoofer Pre Out)	200 mV/2.2 kΩ (Rec Out)
Maximum RCA Output Level and Impedance	—	—	2.0 V/2.2 kΩ (Rec Out)
Phono Overload	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)	70 mV (MM, 1 kHz, 0.5%)
Frequency Response	10 Hz–100 kHz/±1 dB, -3 dB (Direct/Pure Audio Mode)	10 Hz–100 kHz/±1 dB, -3 dB (Direct Mode)	10 Hz–100 kHz (+1 dB, -3 dB)
Tone Control	±10 dB, 100 Hz (Bass) ±10 dB, 10 kHz (Treble)	±10 dB, 100 Hz (Bass) ±10 dB, 10 kHz (Treble)	±11 dB, 100 Hz (Bass) ±11 dB, 10 kHz (Treble)
Signal-to-Noise Ratio	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) 80 dB (IHF-A, Phono MM)
Speaker Impedance	4 Ω–16 Ω	4 Ω–16 Ω	4 Ω–16 Ω (A or B), 8 Ω–16 Ω (A + B)
Headphone Output Impedance	390 Ω	390 Ω	—
Headphone Rated Output	200 mW (32 Ω, 1 kHz, 10%)	200 mW (32 Ω, 1 kHz, 10%)	—
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
Power Supply	AC 220–230V~, 50/60 Hz	AC 220–230V~, 50/60 Hz	AC 230 V~, 50 Hz
Power Consumption	220 W	200 W	170 W
Standby Power Consumption	0.2 W	0.2 W	0.25 W
No-Sound Power Consumption	45 W	45 W	35 W
Network Standby Power Consumption	2.9 W	2.0 W	—
Dimensions (W x H x D)	435 x 149 x 328 mm	435 x 149 x 328 mm	435 x 150 x 328.5 mm
Weight	8.6 kg	7.9 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)
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	280 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-N7050	C-7030
Frequency Response	2 Hz–20 kHz	2 Hz–20 kHz	10 Hz–70 kHz	4 Hz–20 kHz
Signal-to-Noise Ratio	116 dB	116 dB	115 dB	107 dB
Dynamic Range	100 dB	100 dB	108 dB	100 dB
THD (Total Harmonic Distortion)	0.0015%	0.0025%	0.003%	0.0029%
Power Supply	AC 230 V~, 50 Hz	AC 230 V~, 50 Hz	AC 220–240 V~, 50 Hz	AC 220–240 V~, 50/60 Hz
Power Consumption	18 W	23 W	30 W	12 W
Dimensions (W x H x D)	435 x 99 x 315.2 mm	435 x 101 x 306 mm	435 x 102 x 302 mm	435 x 101 x 306 mm
Weight	12.0 kg	6.4 kg	4.6 kg	5.3 kg

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