GLOSSARY

THX™ TECHNOLOGY AND QUALITY ASSURANCE

Filmmaker George Lucas originally created THX™ as a studio-referenced monitoring tool and THX Ltd. is now recognized as the leading provider of product and venue certification for the cinema and home entertainment industries. THX® Surround EX™ extends the THX certified format by adding a back surround channel mastered from the left and right surround channels. THX® Select™ (for small to medium-sized rooms) is a certification standard that guarantees superior performance and ensures more faithful reproduction of movies in the home. It is the strictest and sound most rigorous certification. The latest version of THX® Select™ includes new feature extra THX®-labeled modules, including THX® Cinema, THX® Music and THX® Game modes, as well as Adaptive Speaker Array (ASA) technology, for optimizing playback of multi-channel movie, music and video games in the home.

DOLBY® DIGITAL TECHNOLOGIES

Dolby® is recognized as the pioneer in multi-channel audio reproduction. Dolby® Digital EX™ creates six full-bandwidth channels from 5.1-channel sources using a matrix decoder that derives three surround channels from the two of the original recording. Dolby® Pro Logic® IIx transforms any native stereo or 5.1 signal into a 6.1-channel output with Mario, Music and Game modes that enable you to tailor your listening experience to the source material. Game mode can deliver full-room special effects signals to the surround speakers. Dolby® Virtual Speaker and Dolby® Headphones are virtual surround technologies that create an immersive sound field from any stereo or 5.1-channel source.

DTS® (DIGITAL THEATER SYSTEMS) TECHNOLOGIES

DTS® offers premium sound quality with optimal channel separation and sound quality. Like Dolby® Digital, DTS® is a discrete 5.1-channel system however it uses compression. DTS® Neo:6 derives 6-channel sound from a single 2-channel source. DTS® Neo:6 (L, R, Ls, Rs, Ls, Rs, S) is the 5.1-channel surround. DTS offers two DTP®-Es (Extended Surround) format: DTP®-Es-DTS®—Discrete, which provides a 4-channel system with a discrete back surround channel and DTP®-Es-Matrix, which provides a 6.1-channel system with a discrete back surround channel. DTS® XTS® offers you the sound quality of the "XTS" matrix. A wider frequency response gives a greater dynamic range. Dolby® Digital EX™ creates six full-bandwidth channels from 5.1-channel sound using a matrix decoder. Dolby® Digital EX™ has six full-bandwidth channels from 5.1-channel sound, Dolby® AC-3, the new Dolby® Surround EX format. Dolby® AC-3 is a discrete surround system with a discrete back surround channel and DTS®-ES™ Matrix, which provides a 6.1-channel system with a discrete back surround channel. DTS® offers two DTP®-Es—Discrete, which provides a 4-channel system with a discrete back surround channel and DTP®-Es-Matrix, which provides a 6.1-channel system with a discrete back surround channel.

COLOR-CODED SPEAKER TERMINALS

These color-coded speaker terminals take the guesswork out of matching wires to the correct terminals. Simply attach the color-coded label to the speaker cable, and attach the cable to the same-colored speaker terminal for easy speaker connection.

THX® SURROUND EX™

THX® Surround EX™ extends the 5.1-channel format by adding a discrete back surround channel matrixed from the left and right surround channels. THX® Surround EX™ provides a discrete surround sound experience.

ONKYO’S MICROFIBER AND ADVANCED MICROFIBER (A-OMF)

The original Onkyo Micro Fiber (OMF) speaker cone utilizes a pure cotton weave to absorb vibrations. Also, a thin yet rigid facing diaper enables an extremely fast and accurate response. A new development, A-OMF incorporates a PEN (polyethylene naphthalate) layer with a flexible cotton weave, making cones even stronger and more resilient to heat. Both cones achieve improved midrange clarity and imaging for an astonishingly vivid, natural sound.

CROSSOVER ADJUSTMENT

Previously crossover frequency was fixed at 80 Hz. With crossover adjustment, you can set the frequency at 40/65/80/100/120/150/200 Hz, depending on your receiver and speaker two playback ability. This lets you more accurately match the performance characteristics of the subwoofer to your front speakers.

DVD-Video, Super Audio CD and audio CD.

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DVD-Video, Super Audio CD and audio CD.

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The real challenge for the home theatre and audio industries is to reproduce movies and music exactly as the artist wanted you to hear them. It might be the highly charged emotion of a close-up shot; an accomplished orchestral soundtrack through a surround sound system; or the adrenaline rush following a crunching subwoofer explosion. Creating that perfect moment cannot be achieved through generic circuit design, technological gimmickry and cheap, inferior parts. With Onkyo’s approach, build quality, audio engineering excellence and practical design take precedence. Would you place your trust in an industry newcomer desperately searching for the “next big thing” or a name with a track record of producing industry firsts for over 50 years? We think the answer speaks for itself.
**Premium Digital Surround Receivers—Superior Options in Home Theatre**

The Onkyo Mission Defined
At Onkyo, we feel we have a responsibility to deliver—a responsibility to deliver audio that cannot be simply rated in watts or by a number on the volume dial. We think of sound more meaningfully—sound that spans the entire audio range, from the subtlest nuances to the most awe-inspiring thunderous booms. By building our proprietary technologies and innovations with other sound-enhancing exclusives, we have created our own “sound harmony”—a sound that we are confident you’ll feel as if you’ve heard and experienced.

**Incorporating Our Own Proprietary Technology**
We’re not interested in second best, which is why we have developed exclusive technologies such as WRAT (Wide Range Amplifier Technology), VLSC (Vector Linear Shaping Circuitry) and a massive High Current Power Supply (H.C.P.S.) transformer for our most expensive high-end receivers and for the audio requirements of digital formats and technologies. Today, you can find these features in every receiver in our line-up.

### 3 Significant Benefits You Get From WRAT

**Benefit 1: Uncommonly Low Negative-Feedback Design—Get cleaner sounds on program peaks**
NFB (negative feedback) is the most cost-effective way to reduce noise at lower frequencies, but it will severely inhibit an amplifier’s ability to respond to large signals (e.g. explosions and musical peaks), and to produce sound at high frequencies. We use a low negative-feedback design with audiophile-grade, low-tolerance components at critical points to achieve a frequency response out to 100 kHz for high-resolution formats such as DVD-Audio and Super Audio CD as well as for regular CDs and DVD-A.

**Benefit 2: Closed-Ground-Lap Circuits—Enjoy greater maximum volume without distortion**
If an amplifier’s ground potential (voltage) fluctuates during playback, you can expect noise in an open-loop circuit design, where all circuits are connected to the power supply via one loop node (and many amplifiers). The noise multiplies exponentially. Onkyo’s sophisticated closed-circuit design enables each circuit to go and return directly to the power supply, which supplies individual circuit noise and keeps the ground potential free of distortion.

**Benefit 3: High Instantaneous-Capacity—Experience film soundtracks with greater impact**
After an amplifier outputs audio signals, speakers accumulate energy and send energy back to the amplifier. The amplifier must immediately cancel the speaker’s reflex energy and instantaneously send out the new signal. The same high current is also necessary to handle speaker impedance fluctuations, which can form an amplifier’s problem for six to ten times its usual current. The instantaneous current capability of even Onkyo’s least expensive WRAT receivers is greater than that of most conventional units because they can accommodate these demands. An Onkyo receiver delivers more sound with dynamics and clarity like you experience in the theatre.

### Auto Speaker Set-up with Microphone
On your way to each audio channel delivered synchronously so you get the most accurate frequency response from the lastest spot of your speakers. Onkyo’s Auto Speaker Set-up with Microphone uses a high-sensitivity microphone to pick up test tones from your theatre to create an accurate frequency response. With an acoustic analyzer to adjust the sound pressure levels, you’ll have a fresh and clear audio experience.

### Video Upconversion with TBC (Time Base Corrector)
During component video upconversion—where connectivity to compatible displays is conveniently simplified—each video signal incorporates a synchronization pulse (sync) that represents the beginning of each video signal. These syncs need to be very precise in amplitude and timing to eliminate ghost images, which can degrade the picture substantially, particularly on high-resolution displays. By incorporating a time-base-corrector (TBC) in the conversion process, inaccuracies in the signal’s timing can be corrected thereby ensuring the highest-quality picture possible.

### ITENUR901
You know when you choose the TX-NR901 as the driving force behind your home theatre system that you’re buying into the epitome of Onkyo’s build-quality—it takes two people to lift this receiver due to its rugged build and sturdy, anti-resonant chassis. Prepare to be stunned by the quality of its high-grade parts—powerful and highly accurate 192 kHz/24-bit DACs and dual 32-bit processing DSP chips used in conjunction with our exclusive Onkyo technology deliver high-quality audio output from the latest sound formats. The latest high-definition sources are catered for through high-bandwidth inputs and outputs, and connection to compatible displays from a single component cable is facilitated through upconnection from component and S-Video sources. Lestering to integrate your music files from your computer or to unlock the door to a world of music via Internet radio? The convergence of home theatre and home network manifests itself in Onkyo’s Net-Tune™ protocol—the TX-NR901 belongs to the only lineup of A/V receivers to boast this function’s capabilities. And most importantly, you have peace of mind in knowing that you have chosen a receiver ready to handle the technology and the ever-increasing demands of the movies and music of today—and tomorrow.  

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### High Current Power Supply (H.C.P.S.) Transformer
Under the anti-resonant cover of any Onkyo receiver you’ll instantly notice the High Current Power Supply (H.C.P.S.) transformer. With a huge isolated power supply design that works in tandem with high-capacity filter capacitors, this transformer is a necessity to be able to accumulate energy, reflex and send energy back to the amplifier. The amplifier must immediately cancel the speakers’ reflex energy and ultimately degrade the sound emitted from your speakers. With Onkyo’s VLSC, data is continuously sampled by two decimation points (via a signal comparison generator), and the difference is joined with analog vectors in real-time to produce a smooth output waveform. The VLSC technology’s conversion method results in a smooth, virtually pulse-free audio signal that faithfully reproduces the acoustic detail and subtle nuances of all your audio sources.

### Net-Tune™—Bring a World of Music into Your Home
To enjoy your MP3/WMA or WAV digital music files you can connect your computer to one of our exclusive network-ready receivers via a broadband router. Simply download Net-Tune™ protocol—the TX-NR901 belongs to the only lineup of A/V receivers to boast this function’s capabilities. And, most importantly, you have peace of mind in knowing that you have chosen a receiver ready to handle the technology and the ever-increasing demands of the movies and music of today—and tomorrow.

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- 1.19WCO, Continuously: 8.20 kHz, FTC
- 1.18WCO, Continuously: 8 kHz, FTC
- 0.97WCO, Continuously: 6 kHz, FTC
- 0.89WCO, Continuously: 4 kHz, FTC
- 0.82WCO, Continuously: 2 kHz, FTC
- 0.73WCO, Continuously: 2 kHz, FTC
- 0.65WCO, Continuously: 2 kHz, FTC
- 0.57WCO, Continuously: 2 kHz, FTC
- 0.49WCO, Continuously: 2 kHz, FTC
- 0.41WCO, Continuously: 2 kHz, FTC
- 0.33WCO, Continuously: 2 kHz, FTC
- 0.25WCO, Continuously: 2 kHz, FTC
- 0.17WCO, Continuously: 2 kHz, FTC
- 0.09WCO, Continuously: 2 kHz, FTC
- 0.01WCO, Continuously: 2 kHz, FTC
- 0.014WCO, Continuously: 2 kHz, FTC
- 0.017WCO, Continuously: 2 kHz, FTC
- 0.02WCO, Continuously: 2 kHz, FTC
- 0.023WCO, Continuously: 2 kHz, FTC
- 0.025WCO, Continuously: 2 kHz, FTC
- 0.027WCO, Continuously: 2 kHz, FTC
- 0.029WCO, Continuously: 2 kHz, FTC
- 0.031WCO, Continuously: 2 kHz, FTC
- 0.033WCO, Continuously: 2 kHz, FTC
- 0.035WCO, Continuously: 2 kHz, FTC
- 0.037WCO, Continuously: 2 kHz, FTC
- 0.039WCO, Continuously: 2 kHz, FTC
- 0.041WCO, Continuously: 2 kHz, FTC
- 0.043WCO, Continuously: 2 kHz, FTC
- 0.045WCO, Continuously: 2 kHz, FTC
- 0.047WCO, Continuously: 2 kHz, FTC
- 0.049WCO, Continuously: 2 kHz, FTC
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- 0.053WCO, Continuously: 2 kHz, FTC
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- 0.057WCO, Continuously: 2 kHz, FTC
- 0.059WCO, Continuously: 2 kHz, FTC
- 0.061WCO, Continuously: 2 kHz, FTC
- 0.063WCO, Continuously: 2 kHz, FTC
- 0.065WCO, Continuously: 2 kHz, FTC
- 0.067WCO, Continuously: 2 kHz, FTC
- 0.069WCO, Continuously: 2 kHz, FTC
- 0.071WCO, Continuously: 2 kHz, FTC
- 0.073WCO, Continuously: 2 kHz, FTC
- 0.075WCO, Continuously: 2 kHz, FTC
- 0.077WCO, Continuously: 2 kHz, FTC
- 0.079WCO, Continuously: 2 kHz, FTC
- 0.081WCO, Continuously: 2 kHz, FTC
- 0.083WCO, Continuously: 2 kHz, FTC
- 0.085WCO, Continuously: 2 kHz, FTC
- 0.087WCO, Continuously: 2 kHz, FTC
TX-SR803  THX™ Select2™ Certified 7.1-Channel A/V Surround Home Theatre Receiver

To create an A/V home theatre receiver of exceptional quality, the challenge lies in incorporating the delicate processing circuits and amplifier components into the same chassis. When they both draw on the same power source, the amplifier dominates at peak moments. In a good design, it all works smoothly—as with the THX Select2 Certified TX-SR803 7.1-channel A/V surround home theatre receiver. You have the best connections available—HDMI and component video—for the effortless, high-bandwidth transfer of video and audio signals to the latest HDTV displays. And to get the best out of today’s entertainment technologies, we’ve included Vector Linear Shaping Circuitry (VLSC) on all channels to ensure you’re getting the cleanest possible signal from digital sources. This receiver is built to last, and also built to serve. Powered Zone 2 with a 12 V trigger enables you to activate stereo entertainment in another room of your choice, while you enjoy multichannel movies in your main room. You’ll also find a series of other refinements that enable this receiver to demonstrate its class. Besides all the digital connections you’ll ever need, you have a full range of onboard Dolby® Digital and DTS® surround sound decoders and Auto Speaker Set-Up with Microphone to calibrate your room’s unique environment with your home theatre system. A powerful blend of superb engineering design and functionality, the TX-SR803 is a league of its own.

TX-SR703  THX™ Select2™ Certified 7.1-Channel A/V Surround Home Theatre Receiver

As the latest incarnation of one of Onkyo’s most popular receivers, the TX-SR703 brings high-grade parts and immaculate construction. With its THX Select2 certification, this receiver will effectively “correct” the idiosyncrasies of surround sound to suit your home theatre environment. With a noticeably powerful 160 watts per channel, you want your digital movies and music: delivered free of any noise picked up in digital-to-analog conversion—this is achieved by the inclusion of Onkyo’s VLSC (Vector Linear Shaping Circuitry) for all channels. All video signals are upconverted to component video for afterburn connectivity with high-definition displays and improved quality (with any timing errors corrected in the process). And why confine yourself to one room? With Powered Zone 2, you can immerse yourself in multichannel bliss while sending stereo sources to another room—a satisfying compromise in the family home. With 7.1 multichannel inputs and pre outs, the TX-SR903 handles high-resolution playback of audio formats (Super Audio CD and DVD-Audio) and enables connection to external amplifiers. Add independent crossover adjustment from 40 Hz to 200 Hz with 10 Hz steps, and you have powerful low frequencies that recreate the floor-quaking impact of the cinema, right in your own home.
Embodying what a lot of people desire from a receiver—seven channels pumped with consistent power; high-quality 192 kHz/24-bit DACs for a highly accurate and smooth signal and speaker terminals for playback in another room—the TX-SR503 is a testament to our commitment to providing quality right throughout our receiver line-up. Based around WRAT (Wide Range-Amplifier Technology), our goal is to provide a home theatre experience with a polished, purposeful sound that will knock over even the most seasoned of enthusiasts. Instead of flooding you with more inputs and outputs than you are ever likely to need, we've kept it simple while introducing component video to take high-definition and progressive scan sources to their full potential. And with component video switching, the TX-SR503 lets you connect up to three high-definition sources (think DVD or universal players, terrestrial or satellite tuners, cable boxes and the latest DVD recorders) with enough bandwidth to achieve a visual quality previously unattainable. Furthermore, this home theatre receiver will accommodate all your components as well as they don't make the latest AV magazines. The TX-SR503 is designed to entertain, not to frustrate you with endless connecting components and coming manuals for the solution. So you'll find the rear panel's color-coded inputs, outputs, pre out and speaker posts are just the ticket to get you up and running in no time. Also, the straightforward yet versatile operation offered by the TX-SR503's front panel controls, preprogrammed R1 (Remote Interactive) control and onscreen display is a pleasure not often experienced in the world of home theatre. You need not look any further for a cost-effective and performance-oriented home theatre receiver.

**TX-SR603**

7.1-Channel AV Surround Home Theatre Receiver

A tremendous gap exists between entry-level and seriously high-end home theatre receivers. Where can you find a powerful, versatile, yet affordable 7.1-channel workhorse that can transform music and movies into something truly spectacular? Enter the TX-SR603—a receiver that hones the consistent power and superior signal processing necessary for uncompromised sound quality. If you've already made the switch to HDTV—or are planning to—the TX-SR603's ability to upconvert all your inputs to component video (with a time base corrector eliminating any timing errors in the video signal) will enable transmission of pristine images through a single cable, no matter what video source you're viewing. That's just the kind of precision you want to fully appreciate the full range of Dolby® Digital and DTS® digital decoders—the key to expanding virtually any video source. On top of that, you'll want to calibrate surround sound to the unique environment of your dedicated room. The TX-SR603's Auto Speaker Set-up with Microphone does just that. Quickly, conveniently, without any fuss, you'll get the best possible sound from your favored listening position. And why stop at exhibiting home theatre in one room? Powered Zone 2 brings you surround sound movies in your living room while sending audiphile stereo sources to another room of your choice. Paking the Onkyo technologies—VLSIC (Vector Linear Shaping Circuitry) and WRAT (Wide Range Amplifier Technology)—that make our home theatre experience different from the rest, the TX-SR603 combines all you need to move into a better league of home theatre.

- **WX/OCh**: Continuous 8.0 L, 24 Hz-20 kHz, FTC
- **155 W/Ch**, Continuous 6.0 L, 24 Hz-20 kHz, FTC
- **DTX-ES™ Discrete/Matrix, DTS® Neo:6, DTS®96/24, Dolby® Digital EX™, Dolby® Pro LogicIIx™
- **VLSIC (Vector Linear Shaping Circuitry) for L/R Channels**
- **192 kHz/24-Bit DAC for All Channels**
- **HDTV-Capable (50 MHz) Component Video Switching**
- **WRAT (Wide Range-Amplifier Technology)**
- **Advanced 32-Bit Processing DSP Chip**
- **3 Wideband Component Video Inputs and 1 Output**
- **6 Digital Inputs (4 Optical/2 Coaxial) and 1 Output**
- **3 S-Video Inputs and 2 Outputs**
- **Subwoofer Pre Out**
- **CinemaFILTER™**
- **Pure Audio Mode**
- **A-Form Listening Mode Memory**
- **Optimum Gain Volume Circuitry**
- **Color-Coded 5.1 Multichannel Inputs**
- **Speaker A/B Terminals**
- **Color-Coded Dual Banana Plug-Compatible Speaker Posts (Except Zone 2 Speaker)**
- **Crossover Adjustment (60/80/100/120/150 Hz)**
- **Auto Speaker Setup with Microphone**
- **Compatible with iPod Dock for the iPod**
- **Preprogrammed R1 (Remote Interactive) learning Remote with 3 Macros and Mode-Keys LEDs**
Experience Cinema—The Way Movies and Music Are Supposed to Be

Super Audio CD—Precision Clarity (DV-SP800, DV-SP502)

Super Audio CD gives you the next step in the evolution of pristine sound. All channels provide for as high as 192 kHz/24-bit or 96 kHz/24-bit high-resolution audio in addition to a standard CD layer for playback on any existing CD player.

DVD-Audio—Unprecedented Fidelity (DV-SP800, DV-SP502)

DVD-Audio's digital-to-analog reproduction of 192 kHz/24-bit or 96 kHz/24-bit high-resolution surround sound music with much clarity. It sounds as if it were played in your own home. Add on a super-high frequency rate of 192,000 samples per second—4.3 times greater than an audio CD—and you have a musical experience that goes beyond just listening.

Video Circuit On/Off Control (DV-SP800)

For the best audio quality, you can turn off the video circuit when using the DV-SP800 as an audio-only player. Eliminating the possibility of interference between the player's video and audio circuitry.

Analog Devices 108 MHz/12-Bit NSV® Video DAC (DV-SP800, DV-SP502)

A crucial factor in achieving clear, pristine digital video playback is the video DAC in your DVD player. The state-of-the-art 108 MHz/12-bit video DAC converter featured in the DV-SP800 gives you the finest artifact-free picture available. Features such as the oversampling and noise reduction technology (NSV®) dramatically reduce noise interference to the video signal, so you can enjoy the most subtle nuances in your favorite movies.

Component Video Output

This three-chip video output gives you high-quality articulate output to connect to your TV's component video inputs. It allows you to connect to high-definition displays and projectors. It also allows you to connect to component video inputs of your DVD player to send extremely crisp, clean video to your TV's picture tube. This enhances the usual NTSC artifacts, such as dot crawl and noise (snowy or watered appearance), and gives stunning color fidelity with virtually no discernable video noise.

Picture CD Capability

Insert a disc containing picture files into a compatible Onkyo DVD player and relive the memories of your last holiday, birthday or any time immortalized on digital film. These players are compatible with FUJICOLOR® Picture CDs, and CD-R/RWs encoded with JPEG picture files, so you can bring those timeless moments to life on your viewing screen. Viewing pictures is simple with the menu mode, which lists pictures on the disc for fast and easy selection.

DV-SV800

With the capability to decode Super Audio CDs, DVD-Audio discs and MF3 CDs, in addition to conventional DVDs and CDs, the DV-SV800 takes all the worry out of the hardware and lets you enjoy the full range of your music and movies. Few universal players meet the demanding standards of THX Ultra certification—this player’s audio and video circuitry exceeds them. And with PAL/NTSC progressive scan component video outputs, you’re equipped to take full advantage of HDTV monitor capabilities and enjoy images with clear lines or motion artifacts. For audio reproduction, 192 kHz/24-bit digital-to-analog converters and Vector Linear Shaping Circuitry (VLSC) will remove unwanted noise for a smoother analog output signal. Further advancing your sound, the exclusive Direct Digital Path preserves signal integrity, bypassing redundant processing.

DV-SP502

Universal players don’t get more empowering than this. Bundled into a sleek, space-saving body, the DV-SP502 is the perfect embodiment of Onkyo’s renowned build quality and emphasis on performance—all backed up by quality parts such as a 108 MHz/12-bit video DAC converter and 192 kHz/24-bit audio DAC converters to ensure the quality of your music and video is maintained during the digital-to-analog conversion process. Your universal player is lagging if it doesn’t have the ability to produce videos in complete frames (progressive scan video) like the DV-SV800. And with the world witnessing the advance of the supreme digital audio formats, DVD-Audio and Super Audio CD, you want to be prepared for the coming format resolution with the DV-SV502’s 5.1 multichannel playback capabilities. Such versatility will keep your entertainment options open for years to come.

DV-SV800 THX Ultra® Certified Universal DVD-Audio/Super Audio CD Player

DV-SP502 Universal DVD-Audio/Super Audio CD Player

*Discs that have not been properly finalized may only be partially played.
DV-SP303 DVD/CD/MP3 CD Player

A vast divide separates playback components that offer nothing more than the most basic video capabilities and those that perform well with higher-grade systems. When you see and hear the DV-SP303 DVD/CD/MP3 CD player, you'll understand what is possible by focusing on simple yet effective video/audio signal processing. By incorporating an advanced 54 MHz/10-bit video DAC and a 192 kHz/24-bit audio DAC, the DV-SP303 maintains the quality of your signals—the ultimate goal of any playback system. The DV-SP303's strength lies in supporting playback not only of DVD video, but also of DivX® video and other digital music formats. It even enables you to view your digital photos. Designed to be admired as well as to perform—and sporting an ultra-thin 6 cm profile—the DV-CP702 strikes a fine balance between economy and better home theatre standards.

DV-CP702 6-Disc DVD/CD/MP3 CD Carousel Changer

If you like the notion of endless entertainment, then it's a safe bet that the DV-CP702 carousel changer will be an invaluable entertainment partner. With its 6-disc capability, this DV-CP702 CD player lets you play your own combinations of DVD video discs, music CDs, MP3 CDs, as well as JPEG pictures of your last holiday, family gathering or office party. Flip between each format as you please with the DV-CP702's RI (Remote Interactive) remote control—you are in complete control of your entertainment choices as well as your other components. Like all other Onkyo playback components, the DV-CP702 incorporates only the finest parts—like a 192 kHz/24-bit audio DAC and a 54 MHz/10-bit video DAC—making this one of the most technologically advanced carousel changers on the market.

HT-S680 6.1-Channel A/V Surround Home Theatre Receiver/Speaker Package

HT-R430 6.1-Channel A/V Surround Home Theatre Receiver

HT-SP303 DVD/CD/MP3 CD Player

HT-SP303 DVD/CD/MP3 CD Player

S-330/S350/S430 2-Way Bass Reflex Surround/Surround Back Speakers

HTP-430 6.1-Channel Home Theatre Speaker System

HTP-530 7.1-Channel Home Theatre Speaker System

HTP-430 6.1-Channel Home Theatre Speaker System

HT-S680 6.1-Channel A/V Surround Home Theatre Receiver/Speaker Package

HT-SP303 DVD/CD/MP3 CD Player

HT-SP303 DVD/CD/MP3 CD Player

HTP-530 7.1-Channel Home Theatre Speaker System

HTP-530 7.1-Channel Home Theatre Speaker System

S-330/S350/S430 2-Way Bass Reflex Surround/Surround Back Speakers

HTP-430 6.1-Channel Home Theatre Speaker System

HTP-530 7.1-Channel Home Theatre Speaker System

S-330/S350/S430 2-Way Bass Reflex Surround/Surround Back Speakers

HTP-430 6.1-Channel Home Theatre Speaker System

HTP-530 7.1-Channel Home Theatre Speaker System
**Surround Back Speaker**

- **SK-4600**
  - 2-Way Bass Reflex Speaker
  - 8 cm cone woofer
  - 2 cm balanced-dome tweeter
  - Wall-mounting bracket
  - Max. input power: 100 W
  - Frequency response: 65 Hz–35 kHz
  - WHD: 130 x 340 x 91 mm
  - 1.6 kg

- **SKF-4600**
  - 2-Way Bass Reflex Speaker
  - 8 cm A-OMF cone woofer
  - 2 cm balanced-dome tweeter
  - Wall-mounting bracket
  - Max. input power: 100 W
  - Frequency response: 80 Hz–35 kHz
  - WHD: 145 x 280 x 146 mm
  - 1.9 kg

**Center Speaker**

- **SK-3600**
  - 2-Way Bass Reflex Speaker
  - 8 cm cone woofer
  - 2.5 cm balanced-dome tweeter
  - Wall-mounting bracket
  - Max. input power: 100 W
  - Frequency response: 60 Hz–35 kHz
  - WHD: 145 x 280 x 146 mm
  - 1.9 kg

- **SKF-3600**
  - Center/Surround Speaker Package
  - 10 cm cone woofer x 2
  - 2 cm balanced-dome tweeter
  - Wall-mounting bracket
  - Max. input power: 100 W
  - Frequency response: 80 Hz–35 kHz
  - WHD: 145 x 280 x 146 mm
  - 1.9 kg

**Center/Surround Speaker Package**

- **SK-240C**
  - 2-Way Bass Reflex Center Speaker
  - 8 cm A-OMF cone woofer
  - 2.5 cm soft-dome tweeter
  - Wall-mounting bracket
  - Max. input power: 120 W
  - Frequency response: 40 Hz–35 kHz
  - WHD: 195 x 1000 x 228 mm
  - 10.0 kg

- **SKF-240F**
  - 2-Way Bass Reflex Center Speaker
  - 13 cm cone woofer x 2
  - 2.5 cm soft-dome tweeter
  - Wall-mounting bracket
  - Color-coded speaker terminals & speaker cables
  - Max. input power: 150 W
  - Frequency response: 60 Hz–100 kHz
  - WHD: 378 x 161 x 93 mm
  - 1.6 kg

**2-Way Bass Reflex Surround Speakers**

- **SK-240S**
  - 2-Way Bass Reflex Surround Speaker
  - 8 cm A-OMF cone woofer x 2
  - 2.5 cm balanced-dome tweeter
  - Wall-mounting bracket
  - Max. input power: 150 W
  - Frequency response: 50 Hz–35 kHz
  - WHD: 460 x 145 x 144 mm
  - 3.6 kg

**2-Way Bass Reflex Surround/Surround Back Speakers**

- **SKF-L500**
  - Surround Back Speaker
  - 8 cm A-OMF cone woofer
  - 2 cm balanced-dome tweeter
  - Magnetically shielded
  - Max. input power: 100 W
  - Frequency response: 27 Hz–150 Hz
  - WHD: 275 x 518 x 411 mm
  - 14.0 kg

**2-Way Bass Reflex Front Speakers**

- **SKF-230F**
  - 2-Way Bass Reflex Front Speaker
  - 8 cm A-OMF cone woofer
  - 2.5 cm soft-dome tweeter
  - Wall-mounting bracket
  - Magnetically shielded
  - Max. input power: 80 W
  - Frequency response: 55 Hz–35 kHz
  - WHD: 130 x 500 x 91 mm
  - 2.5 kg

**2-Way Bass Reflex Powered Subwoofer**

- **SKF-240S**
  - Bass Reflex Powered Subwoofer
  - Built-in 150 W amplifier
  - 20 cm cone woofer
  - Magnetically shielded
  - Max. input power: 200 W
  - Frequency response: 60 Hz–150 Hz
  - WHD: 340 x 269 x 404 mm
  - 12.6 kg

**Bass Reflex Powered Subwoofer**

- **SKF-L500**
  - Bass Reflex Powered Subwoofer
  - 8 cm A-OMF cone woofer
  - 2 cm balanced-dome tweeter
  - Magnetically shielded
  - Max. input power: 100 W
  - Frequency response: 27 Hz–150 Hz
  - WHD: 235 x 518 x 404 mm
  - 12.6 kg

**5.1-Channel Home Theatre Speaker System**

- **SK-240F**
  - 2-Way Bass Reflex Front Speakers
  - 8 cm A-OMF cone woofer x 2
  - 2.5 cm balanced-dome tweeter
  - Magnetically shielded
  - Max. input power: 100 W
  - Frequency response: 50 Hz–35 kHz
  - WHD: 130 x 340 x 91 mm
  - 1.6 kg

- **SKF-240F**
  - 2-Way Bass Reflex Center Speaker
  - 10 cm cone woofer x 2
  - 2 cm balanced-dome tweeter
  - Magnetically shielded
  - Max. input power: 150 W
  - Frequency response: 60 Hz–100 kHz
  - WHD: 280 x 1013 x 261 mm
  - 4.3 kg

- **SKF-240S**
  - 2-Way Bass Reflex Surround/Surround Back Speakers
  - 8 cm A-OMF cone woofer x 2
  - 2.5 cm soft-dome tweeter
  - Magnetically shielded
  - Max. input power: 150 W
  - Frequency response: 45 Hz–100 kHz
  - WHD: 226 x 360 x 261 mm (with speaker base)
  - 6.1 kg (with speaker base), 4.5 kg (without speaker base)
VL Digital—A Quest for the Perfect Digital Sound

The Difference Between Analog and Digital Amplifiers
Understanding the amplification process helps explain the difference between analog and digital amplifiers. In an analog amplifier, the analog input signal is converted into a pulse (digital) signal, and then converted back into an analog signal using a low-pass filter. An analog signal is continuously changing within a range extending from zero to a maximum value. However, a digital signal is comprised of “pulses”—a series of zeros and ones. The significant difference between analog and digital amplifiers is the basic principle used for amplification.

In an amplifier the power supply circuitry (actually the capacitors) collects electricity. A transistor (valve) opens when an input signal is received, causing some of the collected energy to flow out through the output jacks. This process simply defines how amplification works. Analog amplifier signals continually change, the transistor must adjust the size of the “valve” opening to match the constantly changing input signal. On the other hand, with a digital amplifier the signal consists of either a pulse (1) or no pulse (0)—there are no intermediate values. The “switches” in a digital amplifier are completely open (switch is off) or completely closed (switch is on) when there is no pulse.

Why the Interest in Digital Amplifiers?
First of all we should consider an analog amplifier where the signal always lies between zero and a maximum value. Therefore, the amplifier elements function as variable resistors that adjust the amount of electricity supplied by the power source to match the input level (amplify or don’t supply). When the amplifier elements are closed it is lost. For this reason analog amplifiers can only achieve a maximum power efficiency—relative to the power supply—of about 70%. The large amount of energy loss means that a theoretical amount of heat is generated in a digital amplifier.

In a digital amplifier the signal level is either 0 or 1, and the amplifier elements function as switches with two states: ON and OFF. The amount of power loss is very small. Consequently digital amplifiers typically have very high efficiency—90% or so. Very little energy is generated, so heat-dissipating parts such as heat sinks can be smaller and the amplifiers can be more compact.

Possibilities of the Digital Amplifier
All Onkyo, we are not only interested in higher efficiency and more compact size, but also believe that there is a great opportunity to build a digital amplifier with improved sound. When a digital amplifier’s signal value is (the current is flowing from the power supply to the speakers), the amplification elements in the output stage remain completely open. Broadly speaking there is little resistance that consumes power between the power supply and the speakers. Consequently, there is no loss of power. In contrast, with analog amplifiers there is always some resistance between the power supply and speakers because of the manner in which the amplifiers operate.

Furthermore, since the output elements are used in switches in a digital amplifier, properties such as linearity (circuit in an analog amplifier) are not particularly significant. By reducing the number of parameters that the amplifier must control it is easier to ensure that the elements will be driven as intended at all circumstances. We believe that the potential of digital amplifiers lies in more sensitive signal reproduction.

Another potential attraction is that low-frequency reproduction places little load on the power supply. Analog recording techniques have limitations when recording low-frequency sounds. However, digital recording, which has become the definitive method for storing and reproducing audio data, has allowed these limitations. For this reason, more and more of today’s music is based on powerful low-frequency sounds. These recordings contain bass power in all its intensity.

Onkyo’s Approach to Digital Amplifiers
Based on the research of Onkyo’s development team, we believe power supply is essential to achieving quality sound from digital amplifiers. Without a strong enough power supply, they are still able to reproduce sound that we can call “real” for the power supply needs the lowest possible impedance and superior transient response. Very few manufacturers are building digital amplifiers with power supplies that follow our concept.

A great deal of attention has been given to power supply performance in every Onkyo digital amplifier. In the A-9555 digital amplifier we have taken the concept even further by including two large capacity toroidal transformers—quite different from any other amplifier in its class.

Pulse Width Modulation (PWM) and Onkyo’s VL (Vector Linear) Technology
In digital amplifiers there are two methods of pulse conversion: pulse width modulation (PWM), which regulates the pulse width with PWM in which analog quantity is represented by the width of the pulse and pulse density modulation (PFM), in which analog is represented by the number of pulses. Onkyo uses the PWM approach for a number of reasons.

1) PWM provides the digital noise to the high frequency noise than PFM.
2) PWM output current or PFM is an example of delay in the pulse output.
3) PWM is defined on a large series of analog feedback 150%—100% of an analog amplifier’s size will vary greatly affect the sound.

Up to now Pulse Width Modulation (PWM) has been used as an efficient method of amplifying audio signals.

Theoretically, this method should result in an accurate analog-to-digital conversion. In reality, a digital amplifier generates a lot of “noise spikes” from sources external to the modulator circuitry. The spike noise introduces errors into the output signal making accurate conversion into pulse widths impossible. So, to further improve the precision of amplifiers, we have developed a push-pull PWM. Our response is a highly accurate analog-to-digital conversion—VL Digital—that is unaffected by noise in the analog signal.

Onkyo’s VL (Vector Linear) Digital technology comprises a vector generator, Onkyo’s VL (Vector Linear) Technology Pulse Width Modulation (PWM) and

Onkyo’s VL (Vector Linear) Technology
Onkyo’s VL (Vector Linear) Technology comprises a vector generator, Onkyo’s VL (Vector Linear) Technology, a pulse generator, an inversion trigger generator. When the analog input signal is received, the vector generator generates an output pulse. Circuits charge and invert alternately, performing pulse width modulation proportional to the analog signal.

The upper and lower portions of the spike noise waveform are symmetrical, so they have the same area. Therefore, if the analog signal contains spikes, the voltage charge quantities will cancel each other out. This will ensure accurate pulse width modulation at all times.

Onkyo’s VL (Vector Linear) Technology comprises a vector generator, Onkyo’s VL (Vector Linear) Technology, a pulse generator, an inversion trigger generator. When the analog input signal is received, the vector generator generates an output pulse. Circuits charge and invert alternately, performing pulse width modulation proportional to the analog signal.

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A Home Theatre System that Lends a Design Sensibility to Any Room!

**TX-8511 FM/AM RDS Stereo Receiver**
- 100 W/Ch, at 8 Ω, FTC
- 130 W/Ch, at 6 Ω, JEITA
- Low-impedance Drive Output Stage
- Discrete Output Stage Circuity
- Massive Power Transformer
- 3 Line Inputs
- FM/AM Tuning
- 2 Band Equalization
- 30 FM Presets
- 30 AM Presets
- 2 Line Inputs
- Selectable Tone Control
- 2-Position Line Inputs
- 8-60 W/Ch, at 6 Ω, 1 kHz, JEITA
- 192 kHz/24-bit D/A Converters
- 34 dB S/N Ratio
- 76 dB S/N Ratio
- WHD: 435 x 150 x 322 mm
- 8.9 kg

**TX-8211 FM/AM RDS Stereo Receiver**
- 50 W/Ch, at 8 Ω, FTC
- 100 W/Ch, at 6 Ω, JEITA
- Discrete Output Stage Circuity
- Massive Power Transformer
- 3 Audio Inputs
- Phono Input
- 30 FM Presets
- 30 AM Presets
- 2 Line Inputs
- Selectable Tone Control
- 2-Position Line Inputs
- 8-60 W/Ch, at 6 Ω, 1 kHz, JEITA
- 192 kHz/24-bit D/A Converters
- 34 dB S/N Ratio
- 76 dB S/N Ratio
- WHD: 435 x 150 x 322 mm
- 8.3 kg

**DX-C390 6-Disc CD Carousel Changer**
- Plays Audio CDs, MP3 CDs, CD-R/RWs
- VLC (Vector Linear Shaping Circuitry)
- QLD (Quantum Linear Audio) Conversion Technology
- Change-Up to 5 Discs During Play
- 192 kHz/24-bit D/A Converters
- AGC (Automatic Gain Control)
- Fixed Output
- Direct Digital Path
- 40-Track Programming
- High Speed Search
- 6 Repeat Functions
- 6 Discs that have not been properly finalized may not be playable at all
- WHD: 435 x 131 x 432 mm
- 6.9 kg

**TA-RW255 Double Auto-Reverse Cassette Deck**
- Dolby B and C Noise Reduction
- CD-to-Tape Synchronizing Recording
- Real-Level Control
- Auto-Reverse Cassette
- Auto-Select and Film Mode
- High-Speed Punching
- 8-Position Pitch-Level Meters
- Rack-Mountable
- Brushed Harriet Aluminum Front Panel
- 2 Remote Interchangeable Remote Controls
- 8-60 W/Ch, at 6 Ω, 1 kHz, JEITA
- 192 kHz/24-bit D/A Converters
- 34 dB S/N Ratio
- 8.9 kg

* All discs that have not been properly finalized may not be playable at all.

**Providing Perfect Delivery and a Graceful Presence to Home Theatre**

**Liverpool L-MS55**
- 80 W/Ch, continuous 6 Ω, 1 kHz, JEITA
- Exclusive Onkyo Digital Amplifier Technology
- DTS®-ES™ Discrete/Matrix, DTS®Neo:6, DTS®96/24, Dolby®Digital EX™, Dolby®Pro Logic®IIx
- High-current, low-impedance drive
- Discrete output stage circuitry
- Non-scaling configuration
- 5 DSP modes
- 2 component video inputs and 1 output
- 3 digital inputs
- Speaker auto detect system
- CinemaFILTER™
- Subwoofer pre out
- Color-coded 5.1 multichannel inputs
- Preprogrammed RI (Remote Interactive) remote control

**SKS-HT240**
- 380 W (50 W/Ch, 8 Ω, FTC, 470 Hz, 1 kHz, JEITA)
- 140 W (60 W/Ch, 6 Ω, FTC, 470 Hz, 1 kHz, JEITA)
- 1200 W Total Power
- 130 W/Channel Power
- 96 dB S/N Ratio
- WHD: 435 x 432 x 162 mm
- 18.2 kg

**SKS-HT230**
- 130 W/Channel Power
- 96 dB S/N Ratio
- WHD: 435 x 328 x 162 mm
- 18.2 kg

* Discs that have not been properly finalized may only be partially playable or not playable at all.
Perfectly Packaging Cinema and Sound in Your Home

Combining universal playback capability with an ergonomic design is no easy feat. The L-UN7 is ready for all your movies and music—including high-resolution Super Audio CD and DVD-Audio, as well as MP3 and WMA digital audio files. Unbelievably, such a versatile system wouldn’t look out of place even in the smallest rooms of your home. Naturally, audio quality’s also your concern. WRAT (Wide Range Amplifier Technology), VLSC (Vector Linear Shaping Circuitry) and our latest speaker developments support a crystal-clear, nuanced sound rarely found in compact entertainment systems.

Liverpool L-UN7
Universal A/V Receiver System

Combining universal playback capability with an ergonomic design is no easy feat. The L-UN7 is ready for all your movies and music—including high-resolution Super Audio CD and DVD-Audio, as well as MP3 and WMA digital audio files. Unbelievably, such a versatile system wouldn’t look out of place even in the smallest rooms of your home. Naturally, audio quality’s also your concern. WRAT (Wide Range Amplifier Technology), VLSC (Vector Linear Shaping Circuitry) and our latest speaker developments support a crystal-clear, nuanced sound rarely found in compact entertainment systems.

Liverpool L-UN7
Universal A/V Receiver System

Universal A/V Receiver

A/V Receiver Features
• 2 channels 72 W/Ch, at 4 Ω, 1 kHz, JEITA
• WRAT (Wide Range Amplifier Technology)
• Frequency response: 10 Hz–50 kHz (±3 dB)
• High-current, low-impedance drive
• Discrete output stage circuitry
• Tone control (Bass/Treble)
• Tone direct
• 3 audio inputs and 2 outputs

Universal Player Features
• Plays DVDs, Video CDs, CD-R/RWs
• Optical digital output
• 20-track programming
• Play mode (Random/Program)
• Repeat mode (Track/All)

An Elegant Blend of Quality and Style for When Space is at a Premium

Liverpool CS-220

Tuner & Other Features
• 4 timer mode settings (Play or Rec/Once or Every)
• Sleep timer
• 30 FM/AM presets
• Automatic FM scan tuning
• Usable sensitivity: 12.8 dBf, 1.0 µV (FM mono, 75 Ω, IHF)/30 µV (AM)
• Capture ratio: 2.0 dB (FM)
• Image rejection ratio: 85 dB (FM)/40 dB (AM)
• IF rejection ratio: 90 dB (FM)/40 dB (AM)
• Compatible with iPod
• Remote control

D-7GX(W)
2-Fat Bass Reflex Loudspeakers
• 20 cm (8 in) cone woofer
• Magnetically shielded
• V-line grille for rearward facing sound
• Maximum input power: 150 W
• Frequency response: 55 Hz–35 kHz
• Max. input power: 70 W
• WHD: 167 x 268 x 250 mm
• 4.0 kg
Wondered About the Future of Sound and Vision?—Here It Is

Home Theatre Speakers

**Home Theatre Speakers**

**TX-SR503**
7.1-Channel A/V Surround Home Theatre Receiver
- **Color-coded** 5.1 multichannel inputs
- **Color-coded** 5.1 multichannel outputs
- **Pure audio mode**
- **A-Form**
- **Powered Zone 2 and 12 V trigger**
- **H.C.P.S. (High Current Power Supply)** massive high power transformer
- **192 kHz/24-bit DACs for all channels**
- **Component video, S-Video, and composite video inputs and outputs**
- **4 digital inputs (4 optical/2 coaxial) and 1 output (optical)**
- **5 S-Video inputs and 3 outputs**
- **Subwoofer pre-out**
- **CinemaFILTER**
- **DTS®-ES™ Discrete/Matrix, DTS® Neo:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic® IIx**, **Pro Logic® IIx**
- **130 W/Ch, continuous**

**SKR-502**
Universal DVD-Audio/Super Audio CD Player
- **108 MHz/12-bit video DAC**
- **Optical & coaxial digital outputs**
- **96 kHz or 48 kHz selectable digital output**
- **Component video, S-Video, and composite video outputs**
- **On-screen display (English/French/Spanish)**
- **Full-function remote control**

**SX-K503**
- **RI terminal**
- **Power terminal**
- **3 S-video terminal**
- **4 RCA audio terminals**

**DS-A1**
Remote Interactive Dock
- **Auto Selector Function**
- **Time Play/Stop/Timer Function**
- **Alarm Function**
- **JPEG Capable**
- **All Cables Included (RI, S-Video, Audio, Power)**
- **WHD: 112 x 56 x 112 mm**
- **220 g**

**Premium Digital 23**
### FEATURES

#### A/V Receivers

<table>
<thead>
<tr>
<th>Function</th>
<th>TX-MR903</th>
<th>TX-SR903</th>
<th>TX-SR703</th>
<th>TX-SR603</th>
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### SVS Speakers

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### Home Theater Systems

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### DVD Players

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<tr>
<td>Power</td>
<td>110 W/Ch</td>
<td>110 W/Ch</td>
<td>110 W/Ch</td>
<td>110 W/Ch</td>
</tr>
<tr>
<td>Frequency</td>
<td>30 Hz-150 Hz</td>
<td>30 Hz-150 Hz</td>
<td>30 Hz-150 Hz</td>
<td>30 Hz-150 Hz</td>
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</table>

### Audio Network Receivers

<table>
<thead>
<tr>
<th>Receiver</th>
<th>NC-550</th>
<th>NC-550</th>
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</thead>
<tbody>
<tr>
<td>Power</td>
<td>110 W/Ch</td>
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</table>

### Network Features

- **Input/Output Terminals:**
  - 10/100/1000 Base-T Ethernet Port
  - HDMI In/Out
  - Digital Inputs/Outputs
  - Analog Audio Inputs/Outputs

- **Tuner Functions:**
  - FM/AM Automatic/Manual Tuning
  - Internet Radio
  - S-Video Compatible Inputs/Outputs
  - Composite and S-Video to Component Video Up Conversion

- **Audio Input/Output Terminals:**
  - Headphone Jack
  - Optimal Gain Volume Circuitry
  - WCS (Wide Range Audio Circuitry)

- **Audio Input/Output Terminals:**
  - Headphone Jack
  - Optimal Gain Volume Circuitry
  - WCS (Wide Range Audio Circuitry)
## Specfications

### DVD Player

<table>
<thead>
<tr>
<th>TVR901</th>
<th>TVR504</th>
<th>TVR703</th>
<th>TVR603</th>
<th>TVR800</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Output (6 Ohm)</td>
<td>130 W/Ch</td>
<td>50 W/Ch</td>
<td>130 W/Ch</td>
<td>130 W/Ch</td>
</tr>
<tr>
<td>Frequency Response (FM)</td>
<td>530 to 1710 kHz (10 kHz steps)</td>
<td>530 to 1710 kHz (10 kHz steps)</td>
<td>530 to 1710 kHz (10 kHz steps)</td>
<td>530 to 1710 kHz (10 kHz steps)</td>
</tr>
<tr>
<td>FM Stereo Separation</td>
<td>60 dB (IHF-A)</td>
<td>76 dB (IHF-A)</td>
<td>76 dB (IHF-A)</td>
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</tr>
<tr>
<td>Audio Dynamic Range</td>
<td>17.2 dBf, 2.0 µV (75 Ω)</td>
<td>17.2 dBf, 2.0 µV (75 Ω)</td>
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</tr>
<tr>
<td>Wow and Flutter</td>
<td>Below threshold of measurability</td>
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</tr>
<tr>
<td>Linear Velocity</td>
<td>3.84 m/s (Dual Layer)</td>
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</tr>
<tr>
<td>PBC/VR</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
<td>OFF</td>
</tr>
<tr>
<td>Component Signal Output (Y)</td>
<td>1.0 V p-p, 75 Ω</td>
<td>1.0 V p-p, 75 Ω</td>
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<td>1.0 V p-p, 75 Ω</td>
</tr>
<tr>
<td>Audio/Video Cable</td>
<td>1 x 100 dB</td>
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</tr>
<tr>
<td>Weight</td>
<td>3.4 kg</td>
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<td>3.4 kg</td>
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### Amplifier Section

<table>
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<th>DR-512</th>
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<tbody>
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<tr>
<td>Power Output (100 W/Ch)</td>
<td>180 W/Ch</td>
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<tr>
<td>Power Output (140 W/Ch)</td>
<td>180 W/Ch (L/R)</td>
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<td>Power Output (330 W/Ch)</td>
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