JVC®

HI-FI COMPONENTS 2001-2002

We Bring the Music to You

Ravi Coltrane

at the 2000 JVC International Jazz Festival

Breakthroughs in home entertainment

Audio has grown into audio/video, then home theater, then audio/video home entertainment—and now it's digital multimedia home entertainment.

HI-FI COMPONENTS

THX Theater Sound

Home THX (RX-DP10VBK/ RX-DP9VBK)

THX is a set of specifications and standards set forth by Lucasfilm, Ltd., to guarantee that a piece of equipment is capable of allowing the audience to hear movie soundtracks just as the movie makers intended the soundtracks to be heard. Home THX is the version optimized for playback at home: it takes into consideration the spatial and acoustic differences between home and theaters to compensate for them by digital processing. Moreover, to be Home THX certified, the equipment's amplifier must also perform in compliance with specified requirements.

The RX-DP10VBK is THX Ultra certified, and the RX-DP9VBK is THX Select certified, meaning they are up to the task of making you feel like sitting in a THX-equipped movie theater.

THX Ultra is Home THX's highest standard optimized for spaces up to 3,000 cubic feet.

THX Select inherits Ultra's basic technologies and is suitable for smaller spaces (2,000 cubic feet).

THX Surround EX (RX-DP10VBK/RX-DP9VBK)

THX Surround EX is a format that has additional left and right Surround Back channels on the basis of Dolby Digital 5.1 channels. It enhances the sense of depth, provides the sense of smooth movement, and improves the definition of movement of sounds in rear channels—all to make you feel you are there. The RX-DP10VBK comes complete with a 7-channel amplifier, making it unnecessary to add on more amps. And the RX-DP9VBK is also compatible with THX Surround EX: it comes with preamp outputs for Surround Back channels, letting you upgrade to EX just by adding an external amp and a pair of speakers.

New high-speed, high-performance DSP (Digital Signal Processor)

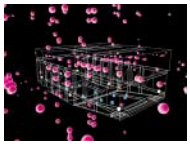
JVC's top-line receivers each feature a newly developed Motorola chip (DSP56367) for DSP—two chips with the RX-DP10VBK and RX-DP9VBK. The updated LSI boasts an accelerated processing power of 150 MIPS (Million Instructions per Second), a computing power that is 1.5 times greater than the 100 MIPS version for 2000. It's responsible for processing THX Surround EX (RX-DP10VBK and RX-DP9VBK only) and decoding Dolby Digital and DTS signals, as well as controlling the JVC-exclusive DAP, 3D-PHONIC, digital EQ, Midnight mode and other functions.

New Digital Acoustics Processor (DAP)

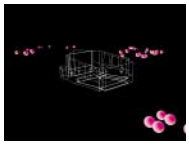
The JVC DAP allows digital recreation of acoustic environments—halls, pavilions, etc. —in your media room. JVC developed a new sound field simulation technology jointly with one of leading concerthall designers and contractors. Capable of handling multi-channel sources, it makes use of a vast amount of data for the creation of sound field patterns that are difficult with conventional processing systems based on field-measured impulse responses. Each sound field pattern is verified and modified repeatedly by critical auditions. The result is that sound fields are reproduced most naturally, with early reflections simulated realistically.

Moreover, the processor is compatible with multi-channel sources such as Dolby Digital and DTS. It's capable of adding a maximum number of 100 reflections and also adjusting three parameters of effect, liveness and room size. One for the RX-DP10VBK and RX-DP9VBK also allows you to select the wall type and seat position. The RX-DP10VBK and RX-DP9VBK combine the high-performance DSP with a large memory to synthesize 7.1-channel sound from stereo and 5.1-channel sources, to wrap the listener with an engulfing sound field.

Virtual Sound Source Distribution Graphs



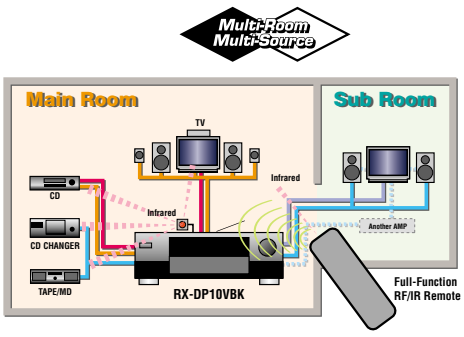
LARGE THEATER



LIVE CLUB

Multi-room/multi-source capability

The RX-DP10VBK and RX-9010VBK let you enjoy music anywhere in your home through the audio/video system set up in your living room. Each receiver's multi-room/multi-source capability allows two people to enjoy different audio sources in two rooms—DVD (or CD) in one and an FM rock station in the other, for example—at the same time. The RX-DP10VBK, moreover, lets two persons enjoy different video sources (DVD and video cassette, for example) in two rooms as well.



- Stereo reproduction in both Main and Sub Rooms: all it takes is an additional pair of speakers.
- Theater surround sound in the Main Room and stereo sound in the Sub Room: add a pair of speakers and an outboard stereo amplifier.
- Different video sources in the Main Room and the Sub Room (RX-DP10VBK only): Simply add a monitor.

RF LCD multi-brand remote control for operation from anywhere in your home

An RF LCD multi-brand remote control is the ultimate in operating convenience. At the touch of a key, it sends out RF (radio frequency) signals as coded commands to control the receiver—and other equipment (TV, VCR, Cable/DBS settop box and DVD player) from JVC and other major manufacturers. RF can reach behind obstructions, so with the remote in hand you can control the receiver and other equipment even when they are in the next room.

AUDIO/VIDEO CONTROL RECEIVERS: RX-DP10VBK/RX-

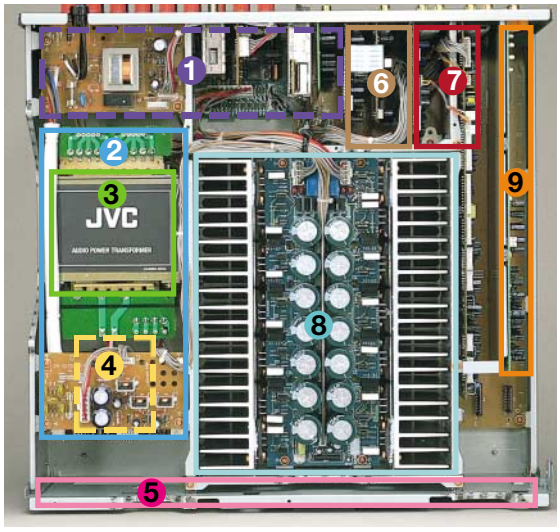
Built to the highest standard and customized for next-generation digital sources

Zero interference construction concept ensures high sound quality

DVD Audio is an extraordinary next-generation audio format, with frequency response topping 96kHz and dynamic range more than 140dB. The RX-DP10VBK and RX-DP9VBK feature basic specifications that are fully compatible with DVD Audio's high specs, whether the source is stereo or multi-channel.

Functionally separate block construction

Circuit blocks—a power supply, power amp, low-level audio section, video section and so forth—are laid out separately according to function, with the strategic addition of shields and sub-brackets. This elaborate design not only minimizes the interference between blocks but also increases structural rigidity.



Separate transformers for analog and digital circuits

There are separate power transformers for the analog circuitry and digital circuitry. This prevents digital noise from mixing with the delicate audio signals.

1. Speaker Output Section (Bottom layer)
2. Independent Direct Power Supply
3. Power Transformer for Analog Circuits
4. Power Transformer for Digital Circuits (Bottom layer)
5. Control Section
6. Video Input/Output Section
7. Analog Audio Input Section
8. Power Amp Block
9. Digital Signal Processing Section

Independent direct power supplies for output power transistors

The power supply for the analog circuitry features separate coil windings for the positive and negative voltages, while the power to output power transistors is supplied directly from channel-independent rectifier circuits. This advanced power supply design reduces interference between channels and also between the positive and negative voltages, to improve channel separation and sound purity.

Dual heat sinks

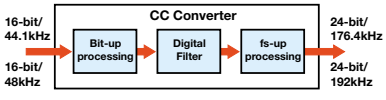
The dual heat sink construction mounts the power output transistors for positive and negative polarities on separate heat sinks. This drastically reduces the interference between positive and negative polarities and prevents the thermal build-up inside the cabinet, which allows efficient upgrade in power. Moreover, stability remains high, as does the sound quality, even during high-level multi-channel operation or in face of low-impedance loading.

Advanced digital circuitry for incredibly high performance

CC CONVERTER

CC Converter (Compression Compensative Converter)

When an analog signal is converted into digital (A/D conversion), high frequencies—normally those higher than 20kHz with CDs—are removed as dictated by CD's sampling frequency. Absence of this high-frequency data affects the quality of sound in the audible range.



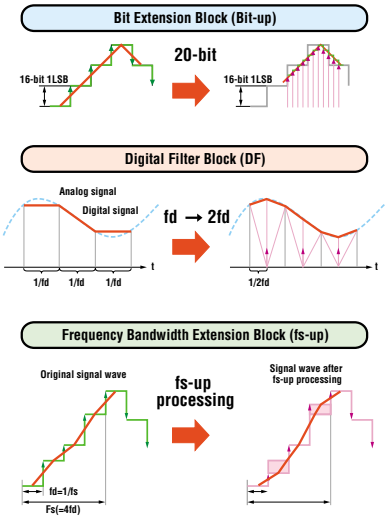
The CC Converter features exclusive algorithms to restore lost signals based on the recorded digital signals of audible frequencies, those frequencies that should have been recorded in the first place. It also uses high-bit quantization to reproduce the minute signals. Moreover, in order to precisely reproduce the signals that have undergone such processing, the CC Converter features a broader analog bandwidth (up to 4 times the sampling frequency) extending beyond 20kHz. This improves the quality of the music data in the audible range, as you can see from the following:

CD—Audio bandwidth: 88.2kHz; sampling frequency: 176.4kHz (44.1kHz x 4).

DVD Audio—Audio bandwidth: 96kHz; sampling frequency: 192kHz (48kHz x 4).

Through high-bit/high-sampling processing, the CC Converter generates expanded digital signals with the quality close to that of the original master.

The algorithms of the CC Converter have been verified for their musical legitimacy by studio engineers and musicians through repeated auditions. Because the number of digital sound sources has been growing fast, the CC Converter has proved to be a much-sought solution for the faithful recreation of original sound. It also works with compressed data, such as AC-3 and DTS formats.



Convenient features for comfortable operation

High-speed rectifier diodes and large-capacity electrolytic capacitors

Elaborate power supplies feature high-speed rectifier diodes with matched characteristics, a large-capacity power transformer for analog circuits and audio-type electrolytic capacitors.

Dynamic Super-A

The design eliminates the crossover and switching distortion that is normally associated with popular efficiency-first class AB amplifiers. The result is high power combined with smooth sound reproduction practically free of noise due to these types of distortion.

Line Direct

Line Direct defeats all internal digital processing except for decoding and D/A conversion of a digital source, to reproduce it as faithfully to the original as possible. This is a mode for pure audio sources like DVD Audio. When the source is analog, moreover, Line Direct stops the operation of the DSP to avoid digital noise that might degrade vulnerable audio signals.

LCD multi-brand remote control

JVC's LCD multi-brand remote offers two unique benefits. First, the LCD panel conveniently shows the current operation mode and other information. Second, it comes preset with codes to operate TVs, VCRs, Cable/DBS boxes and DVD players from major manufacturers. The RX-DP10VBK's remote is even more convenient since it's capable of learning functions of other remotes you own.

TEXT COMPU LINK

JVC TEXT COMPU LINK shows text data (performer name, disc title and genre) of CD-Text CDs on the receiver's display and also on the screen of your TV. Together with the XL-MC334BK 200-CD mega changer, JVC receivers offer you tremendous convenience.

Title memory: you can give your own titles to CDs through the On-Screen Display (OSD) using the remote of a receiver. So you can even give names to CDs without CD Text.

CD search: using the On-Screen Display, you can search for particular CDs in the changer—by performer, disc title or genre.

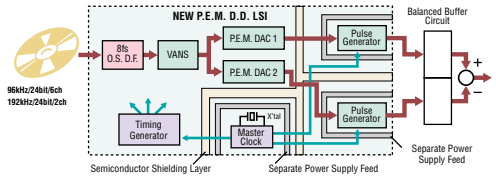
Component video compatible

Now that DVD is a very popular video format and HDTV just got off the ground, A/V receivers should be designed for high standards to retain the new video formats' high quality. The RX-DP10VBK and RX-DP9VBK actually are. Their component video (Y, P_B/C_B, P_R/C_R) is fully compatible with all currently conceivable interlaced or progressive scan formats (480i, 480p, 720p and 1080i). So signals carrying progressive images from DVD or a HDTV decoder are sent to your TV with minimum degradation. The RX-DP10VBK and RX-DP9VBK each come with three component video terminals—two inputs and one output.

192kHz/24-bit-compatible P.E.M. D.D. Audio D/A Converter

The JVC-exclusive P.E.M. D.D. Converter is a high-performance 1-bit DAC, for two reasons. First, the VANS (JVC Advanced Noise Shaper) features the highest order of noise shaping (4th order), allowing the use of a simple low-pass filter to combine superior frequency and phase response. Second, a pair of P.E.M. DACs improve resolution four-fold, ensuring the high signal-to-noise ratio. The JVC P.E.M. D.D. Converter lets you enjoy music thoroughly, even at the quietest levels.

The RX-DP10VBK and RX-DP9VBK feature the 192kHz/24-bit-compatible P.E.M. D.D. Audio D/A Converter for all channels to handle the bit-expanded and bandwidth-extended format of the CC Converter.



New high-speed, high-performance DSP (Digital Signal Processor)

The RX-DP10VBK and RX-DP9VBK each feature two newly developed Motorola chips (DSP56367) for DSP. Boasting the accelerated processing power of 150 MIPS (50% up from last year's 100 MIPS), the high-performance processor allows sound field simulation with higher precision. In addition to THX Surround EX and DAP, it offers more versatile functions.

Built-in Dolby Digital/DTS decoders

Both the RX-DP10VBK and RX-DP9VBK are capable of Dolby Digital and DTS 5.1-channel sound. These theater sound systems, with five full-range channels and a subwoofer channel, let you enjoy the most spectacular theater sound at home when you view movies on DVD.

Midnight mode

When you watch movies late at night, you are forced to turn down the soundtrack volume level not to disturb your family and neighbors. This reduces impact and the sense of reality and makes dialogs hard to hear. In Midnight mode, dynamic compression makes dialogs clearly audible over sound effects, making it more exciting and enjoyable to watch movies.

Multi-channel headphone virtual surround sound

This headphone virtual surround system is compatible with multi-channel sources like Dolby Digital and DTS. Thanks to the new signal processing algorithms used by the high-performance DSP, you enjoy a natural, unfatiguing surround sound over the headphones for hours.

3-band parametric equalization

Digital 3-band parametric equalization lets you customize the sound response of audio and video sources to your taste, channel by individual channel. Versatility is high because you can choose the center frequency of each band, as well as the boost or cut level. For even higher versatility, you create, store and apply a customized EQ, source by source—one for TV, one for CD, one for DVD and so on.

When the Motor-Driven Sliding Door on Front Panel is Opened

RX-DP10VBK

Audio/Video Control Receiver

■ **Stereo**: 120 watts per channel, 8 ohms, 20Hz to 20kHz, with 0.02% THD; 120 watts per channel, 4 ohms, 20Hz to 20kHz, with 0.07% THD; **Surround: (Front)** 120 watts per channel, 8 or 4 ohms, 20Hz to 20kHz, 0.02% (8 ohms) or 0.07% (4 ohms) THD; **(Center)** 120 watts, 8 or 4 ohms, 20Hz to 20kHz, 0.02% (8 ohms) or 0.07% (4 ohms) THD; **(Surround)** 120 watts per channel, 8 or 4 ohms, 20Hz to 20kHz, 0.02% (8 ohms) or 0.07% (4 ohms) THD; **(Surround Back)** 120 watts per channel, 8 or 4 ohms, 20Hz to 20kHz, 0.02% (8 ohms) or 0.07% (4 ohms) THD ■ Zero interference concept for analog construction ■ THX Ultra certified ■ THX Surround EX decoder built-in with 7-channel amplifier ■ CC Converter (Compression Compensative Converter) for all 7.1 channels ■ 192kHz/24-bit P.E.M. D.D. Converter for all 7.1 channels ■ Multi-room/multi-source capability ■ DSP functions: Dolby Digital/DTS surround decoders; Dolby Pro Logic in full digital processing; Digital Acoustics Processor (DAP) for multi-channel digital sources and 2-channel sources (12 modes each); 3D-PHONIC; Headphone mode; All-channel stereo mode; Midnight mode; Parametric EQ (Bass: 63-1kHz, $^1/_3$ oct. steps; Mid: 250-4kHz, $^1/_3$ oct. steps; Treble: 1k-16kHz, $^1/_3$ oct. steps; ±6dB, 1dB steps); 1 manual EQ setting for each source ■ Line Direct for high-fidelity playback ■ On-screen display ■ RF illuminated LCD (backlight) learning multi-brand A/V-DBS-CATV remote control ■ High current 4-ohms drive ■ TEXT COMPU LINK ■ One Touch Operation ■ Sound select function ■ Banana-plug speaker terminals for all channels ■ Independent CD-R input and output ■ 5 A/V inputs and 4 audio inputs ■ 1 coaxial and 4 optical digital inputs with assignable function (TV/DBS, CD, CDR, MD, DVD, VCR1) ■ 1 optical digital output ■ Component video terminals: 2 inputs and 1 output ■ S-video terminals: 5 inputs and 3 outputs ■ Video terminals on front (gold-plated) ■ 15 AM and 30 FM station memory ■ Enhanced COMPU LINK Control System ■ AV COMPU LINK

DAP Modes (RX-DP10VBK)

Mode	Signal	DTS 5.1ch	DTS 2ch	Dolby Digital 5.1ch	Dolby Digital 2ch	Linear PCM	Analog
Multi-Channel DAP	Large Theater	●*	-	●*	-	-	-
	Small Theater	●*	-	●*	-	-	-
	Large Hall 1	●*	-	●*	-	-	-
	Large Hall 2	●*	-	●*	-	-	-
	Recital Hall	●*	-	●*	-	-	-
	Opera House	●*	-	●*	-	-	-
	Church	●*	-	●*	-	-	-
	Live Club	●*	-	●*	-	-	-
	Dance Club	●*	-	●*	-	-	-
	Pavilion	●*	-	●*	-	-	-
Pro Logic + DAP	Large Theater	-	●*	-	●*	●	●
	Small Theater	-	●*	-	●*	●	●
DAP	Stereo Film	-	●*	-	●*	●	●
	Mono Film	-	●*	-	●*	●	●
	Large Hall 1	-	●*	-	●*	●	●
	Large Hall 2	-	●*	-	●*	●	●
	Recital Hall	-	●*	-	●*	●	●
	Opera House	-	●*	-	●*	●	●
	Church	-	●*	-	●*	●	●
	Live Club	-	●*	-	●*	●	●
	Dance Club	-	●*	-	●*	●	●
	Pavilion	-	●*	-	●*	●	●
Headphone DAP	Large Theater	●	●	●	●	●	●
	Small Theater	●	●	●	●	●	●
	Stereo Film	●	●	●	●	●	●
	Mono Film	●	●	●	●	●	●
	Large Hall 1	●	●	●	●	●	●
	Large Hall 2	●	●	●	●	●	●
	Recital Hall	●	●	●	●	●	●
	Opera House	●	●	●	●	●	●
	Church	●	●	●	●	●	●
	Live Club	●	●	●	●	●	●
	Dance Club	●	●	●	●	●	●
	Pavilion	●	●	●	●	●	●
3D Headphone		●	●	●	●	●	●
3D-PHONIC		●	●	●	●	●	●
All Ch. Stereo		-	●	-	●	●	●

*When the SURR. BACK SPK. setting is "On", the DAP performs 7-channel processing, outputting reverberation components to Surround Back channels.

Mode	For Recreation of Spatial Feel of:
Large Theater	Large movie theater
Small Theater	Small movie theater
Large Hall 1	Large shoebox-shaped hall designed primarily for classical concerts
Large Hall 2	Large vineyard-shaped hall designed primarily for classical concerts
Recital Hall	Small hall designed primarily for classical recitals
Opera House	Opera house with a high ceiling and multi-level seating layout
Church	Majestic church with a high ceiling
Dance Club	Rocking dance club
Live Club	Live music club with a low ceiling
Pavilion	Exhibition hall with a high ceiling
Stereo Film	For surround-rich reproduction of movies with stereo soundtracks
Mono Film	For 3D-like reproduction of classic movies with mono soundtracks

THX SURROUND EX

When the Motor-Driven Sliding Door on Front Panel is Opened

RX-DP9VBK

Audio/Video Control Receiver

■ **Stereo:** 120 watts per channel, 8 ohms, 20Hz to 20kHz, with 0.02% THD; 120 watts per channel, 4 ohms, 20Hz to 20kHz, with 0.08% THD; **Surround: (Front)** 100 watts per channel, 8 ohms, 20Hz to 20kHz, 0.08% THD; **(Center)** 100 watts, 8 ohms, 20Hz to 20kHz, 0.08% THD; **(Surround)** 100 watts per channel, 8 ohms, 20Hz to 20kHz, 0.08% THD ■ Zero interference concept for analog construction ■ THX Select certified ■ THX Surround EX decoder built-in ■ CC Converter (Compression Compensative Converter) for main channels ■ 192kHz/24-bit P.E.M. D.D. Converter for 7.1 channels ■ DSP functions: Dolby Digital/DTS surround decoders; Dolby Pro Logic in full digital processing; Digital Acoustics Processor (DAP) for multi-channel digital sources and 2-channel sources (12 modes each); 3D-PHONIC; Headphone mode; All-channel stereo mode; Midnight mode; Parametric EQ (Bass: 63-1kHz, 1/3 oct. steps; Mid: 250-4kHz, 1/3 oct. steps; Treble: 1k-16kHz, 1/3 oct. steps; ±6dB, 1dB steps); 1 manual EQ setting for each source ■ Line Direct for high-fidelity playback ■ On-screen display ■ LCD multi-brand A/V-DBS-CATV remote control ■ High current 4-ohms drive (2-channel stereo mode) ■ TEXT COMPU LINK ■ One Touch Operation ■ Sound select function ■ Banana-plug speaker terminals for all channels ■ Independent CD-R input and output ■ 5 A/V inputs and 4 audio inputs ■ 1 coaxial and 3 optical digital inputs with assignable function (TV/DBS, CD, CDR, MD, DVD) ■ 1 optical digital output ■ Component video terminals: 2 inputs and 1 output ■ S-video terminals: 5 inputs and 3 outputs ■ Video terminals on front (gold-plated) ■ 15 AM and 30 FM station memory ■ Enhanced COMPU LINK Control System ■ AV COMPU LINK

DAP Modes (RX-DP9VBK)

Mode \ Signal		DTS		Dolby Digital		Linear	Analog
		5.1ch	2ch	5.1ch	2ch	PCM	
Multi-Channel DAP	Large Theater	●*	-	●*	-	-	-
	Small Theater	●*	-	●*	-	-	-
	Large Hall 1	●*	-	●*	-	-	-
	Large Hall 2	●*	-	●*	-	-	-
	Recital Hall	●*	-	●*	-	-	-
	Opera House	●*	-	●*	-	-	-
	Church	●*	-	●*	-	-	-
	Live Club	●*	-	●*	-	-	-
	Dance Club	●*	-	●*	-	-	-
	Pavilion	●*	-	●*	-	-	-
Pro Logic + DAP	Large Theater	-	●*	-	●*	●	●
	Small Theater	-	●*	-	●*	●	●
DAP	Stereo Film	-	●*	-	●*	●	●
	Mono Film	-	●*	-	●*	●	●
	Large Hall 1	-	●*	-	●*	●	●
	Large Hall 2	-	●*	-	●*	●	●
	Recital Hall	-	●*	-	●*	●	●
	Opera House	-	●*	-	●*	●	●
	Church	-	●*	-	●*	●	●
	Live Club	-	●*	-	●*	●	●
	Dance Club	-	●*	-	●*	●	●
	Pavilion	-	●*	-	●*	●	●
Headphone DAP	Large Theater	●	●	●	●	●	●
	Small Theater	●	●	●	●	●	●
	Stereo Film	●	●	●	●	●	●
	Mono Film	●	●	●	●	●	●
	Large Hall 1	●	●	●	●	●	●
	Large Hall 2	●	●	●	●	●	●
	Recital Hall	●	●	●	●	●	●
	Opera House	●	●	●	●	●	●
	Church	●	●	●	●	●	●
	Live Club	●	●	●	●	●	●
	Dance Club	●	●	●	●	●	●
	Pavilion	●	●	●	●	●	●
3D Headphone		●	●	●	●	●	●
3D-PHONIC		●	●	●	●	●	●
All Ch. Stereo		-	●	-	●	●	●

*When the SURR. BACK SPK. setting is "On", the DAP performs 7-channel processing, outputting reverberation components to Surround Back channels.
The DAP supplies Surround Back components to the preamp outputs.

Mode	For Recreation of Spatial Feel of:
Large Theater	Large movie theater
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Stereo Film	For surround-rich reproduction of movies with stereo soundtracks
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AUDIO/VIDEO CONTROL RECEIVERS

Sophisticated digital circuitry for performance

High-speed, high-performance DSP

The updated Motorola DSP (DSP56367) is capable of executing 150 MIPS (Million Instructions per Second), a computing power that is 1.5 times greater than the 2000 version. It's responsible for decoding Dolby Digital and DTS signals, as well as controlling the JVC-exclusive DAP, 3D-PHONIC, digital EQ, Midnight mode and other functions.

Built-in Dolby Digital/DTS decoders (RX-9010VBK/ RX-8010VBK/RX-7010VBK/ RX-6010VBK)

Imagine an entire movie contained on a disc the size of a CD. That's DVD. What's more, DVD is compatible with discrete 5.1-channel digital audio.

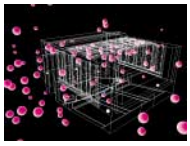
JVC receivers are capable of Dolby Digital and DTS 5.1-channel sound. These theater sound systems, with five full-range channels and a subwoofer channel, let you enjoy the most spectacular theater sound at home when you view movies on DVD.

New Digital Acoustics Processor (DAP)

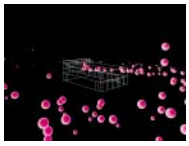
The JVC DAP allows digital recreation of acoustic environments—halls, pavilions, etc.—in your media room. JVC developed a new sound field simulation technology jointly with one of leading concerthall designers and contractors. Capable of handling multi-channel sources, it makes use of a vast amount of data for the creation of sound field patterns that are difficult with conventional processing systems based on field-measured impulse responses. Each sound field pattern is verified and modified repeatedly by critical auditions. The result is that sound fields are reproduced most naturally, with early reflections simulated realistically.

Moreover, the RX-9010VBK and RX-8010VBK are compatible with multi-channel sources such as Dolby Digital and DTS.

Virtual Sound Source Distribution Graphs



THEATER 2



DANCE CLUB

Midnight mode

In Midnight mode, dynamic compression makes dialogs clearly audible over sound effects, making it more exciting and enjoyable to watch movies.

5-band digital equalization (RX-9010VBK/RX-8010VBK)

Five-band digital equalization lets you customize the sound response of audio and video sources to your taste. For even higher versatility, you create, store and apply a customized EQ, source by source—one for TV, one for CD, one for DVD and so forth.

Multi-channel audio ready with 5.1-channel analog input (RX-9010VBK/RX-8010VBK/ RX-7010VBK)

The 5.1-channel analog input accepts the analog output from a DVD Audio source; or from a Dolby Digital or DTS decoder. JVC receivers are capable of amplifying all channels except for the subwoofer channel.

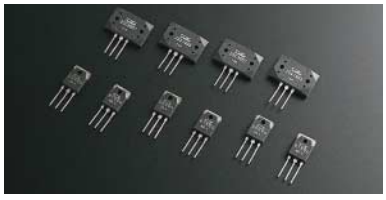
Equal high power from all five channels

All JVC home theater receivers feature equal high power for all five channels to let you enjoy discrete 5.1-channel sound to the full. Indeed, equal high power allows high definition and dynamic sound quality whether you play music sources in stereo or movies with multi-channel soundtracks.

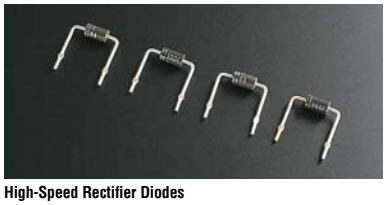
Circuit designs, devices and par

Advanced engineering and high quality parts

- Discrete configuration: All five power amps of each receiver are built from discrete components for high sound quality from Dolby Digital and DTS sound sources.
- High-rigidity Z-Chassis (RX-DP10VBK/ RX-DP9VBK/RX-9010VBK/RX-8010VBK/ RX-7010VBK/RX-6010VBK): Zero vibration, zero resonance and zero interference for the highest fidelity.
- Separate power supply for digital circuitry (RX-9010VBK/RX-8010VBK): The digital circuitry and power supply are separate from the analog circuitry, from input to output, so that digital noise does not interfere with the analog circuitry.
- Oversized EI-core power transformer (RX-9010VBK/RX-8010VBK)
- High power bipolar output transistors (RX-9010VBK/RX-8010VBK): Low-impedance driving is combined with high power. Arranged in a single push-pull configuration, select bipolar transistors feature clarity, low distortion and wide dynamics.
- High-speed rectifier diodes (RX-9010VBK/ RX-8010VBK): Noise radiation is dramatically reduced that might seriously affect sound quality.
- Banana-plug speaker terminals (RX-9010VBK/RX-8010VBK/RX-7010VBK): Low-distortion signal transmission is possible even during high-level reproduction.



High-Power Bipolar Output Transistors



High-Speed Rectifier Diodes

Banana-Plug Speaker Terminals

USB audio input (RX-9010VBK/RX-8010VBK)

Don't play the music you downloaded from the Internet or ripped from your CDs using a tiny pair of speakers that come with your PC. The additional USB audio input on the front

panel lets you connect your Windows® PC with the RX-9010VBK or RX-8010VBK so that downloads are played by the built-in audio amplifier. You can even take advantage of the receiver's DSP and EQ to customize the sound more to your taste. No additional special software is required for playback: Windows® 98 for PCs comes standard with a necessary driver. So USB audio is a plug and play feature.

Component video compatible (RX-9010VBK/RX-8010VBK)

The RX-9010VBK and RX-8010VBK's component video (Y, P_B/C_B, P_R/C_R) is compatible with all standard interlaced or progressive scan formats (480i, 480p, 720p and 1080i). Signals carrying progressive images from DVD and a HDTV decoder are sent to your TV with minimum degradation. Both receivers each feature three component video terminals—two inputs and one output.

Digital inputs with assignable function (RX-9010VBK/ RX-8010VBK/RX-7010VBK/ RX-6010VBK)

JVC receivers are designed to accept and control a number of digital inputs—one coaxial and three optical sources. Conveniently, you can assign these inputs to any digital source, including TV/DBS, CD, CDR, MD and DVD. These receivers also feature an optical digital output for direct digital-to-digital dubbing.

Low-impedance driving capability (RX-9010VBK/ RX-8010VBK)

Left and right channels for the front are capable of handling a low impedance of 4 ohms. This expands the range of speakers to choose from, including "difficult" speakers.

* Windows® is a registered trademark of Microsoft Corporation.

LCD multi-brand remote control

The remote control for our receivers operates not only the unit itself, but also JVC CD players, DVD players, CD-R recorders, cassette decks and JVC video. Moreover, provided with the RX-9010VBK, RX-8010VBK and RX-7010VBK is a remote featuring even more convenience—a LCD multi-brand type. It gives access to functions of other makers' audio and video equipment, including TVs, VCRs, Cable/DBS boxes and DVD players. All it takes is touch a button to recall preprogrammed codes for controlling video equipment from other makers. And the LCD simplifies your audio and video operation. Over-the-wall control is possible with the RX-9010VBK thanks to the RF transmitter.

Multi-room/multi-source capability

The RX-9010VBK lets you enjoy music anywhere in your home through the audio/video system set up in your living room. Each receiver's multi-room/multi-source capability allows two people to enjoy different audio sources in two rooms—DVD (or CD) in one and an FM rock station in the other, for example—at the same time.

• Stereo reproduction in both Main and Sub Rooms: all it takes is an additional pair of speakers.

• Theater surround sound in the Main Room and stereo sound in the Sub Room: add a pair of speakers and an outboard stereo amplifier.

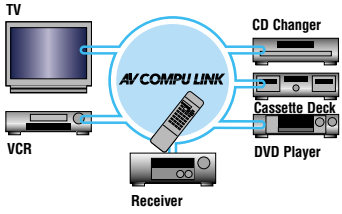
One Touch Operation and AV COMPU LINK

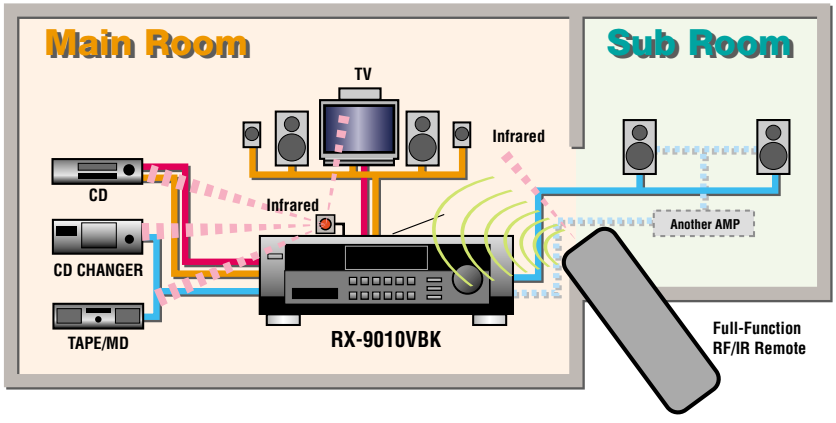
One Touch Operation means you can make precise sound adjustments—volume level, equalizer response, etc.—source by source, and automatically recall the customized settings each time you choose an input or tune a preset station. The AV COMPU LINK Control System gets your entire audio/video system—TV, VCR and receiver—up and playing, simply by loading a prerecorded tape into your VCR. It works for DVD playback too: just load a disc into a JVC DVD player and press the PLAY button to make all your system ready.

Enhanced COMPU LINK Control System

The Enhanced COMPU LINK Control System lets JVC receivers and other JVC audio components work together even more seamlessly. For instance, when you touch the PLAY button on a JVC CD player or cassette deck (or on the remote control), the source and the receiver are automatically turned on, the input is set for the chosen source on the receiver, and play begins.

* Interactive operation between receivers and sources is available only with models featuring the Enhanced COMPU LINK Control System.





RX-9010VBK

Audio/Video Control Receiver

■ **Stereo:** 120 watts per channel, 8 ohms, 20Hz to 20kHz, with 0.08% THD; **Surround: (Front)** 100 watts per channel, 8 ohms, 1kHz, 0.8% THD; **(Center)** 100 watts, 8 ohms, 1kHz, 0.8% THD; **(Surround)** 100 watts per channel, 8 ohms, 1kHz, 0.8% THD ■ Dolby Digital/DTS decoders built-in ■ Compatible with multi-channel audio (5.1-channel analog input and 5 separate amps) ■ Front USB-Audio input for playback of PC/Internet-downloaded music ■ Multi-room/multi-source capability ■ New high-performance DSP: Dolby Pro Logic in full digital processing: Digital Acoustics Processor (DAP) for multi-channel digital sources and 2-channel digital sources (7 modes); 3D-PHONIC; Headphone mode; All-channel stereo mode; Midnight mode; Parametric EQ (Main Channels/Bass: 63/250/1k/4k/16kHz, ±8dB/2dB steps: Center Channel/2.5kHz, ±6dB/3dB steps): 1 manual EQ setting for each source ■ Line Direct for high-fidelity playback of analog sources ■ RF LCD multi-brand A/V-DBS-CATV remote control ■ On-screen display ■ TEXT COMPU LINK ■ High-rigidity Z-Chassis ■ One Touch Operation ■ Wide-range frequency response for DVD Audio ■ Banana-plug speaker terminals for all channels ■ Independent CD-R input and output ■ 5 A/V inputs and 4 audio inputs ■ 1 coaxial and 3 optical digital inputs with assignable function (TV/DBS, CD, CDR, MD, DVD) ■ 1 optical digital output ■ Component video terminals: 2 inputs and 1 output ■ S-video terminals: 5 inputs and 3 outputs ■ 15 AM and 30 FM station memory ■ Enhanced COMPU LINK Control System ■ AV COMPU LINK

DVD Audio/Video Players

XV-FA95GD
XV-FA90BK

7-Disc Carousel DVD Audio/Video Changer

Video Features: ■ Digital Direct Progressive Scan Output ■ High-bit/high-sampling (10-bit/54MHz) video D/A converter ■ Video Fine Processor with 7 parameters ■ Component video/S-video/composite video outputs ■ 13-step high-quality Zoom: x1/8—x1024 ■ Resume/Digest/Strobe/Angle List functions
Audio Features: ■ 192kHz/24-bit P.E.M. D.D. converter compatible with DVD Audio format ■ Dolby Digital/DTS Multichannel decoders built-in ■ Optical and coaxial digital outputs for PCM/Dolby Digital/DTS ■ 5.1-channel analog output
Convenience and Versatility: ■ Compatible with DVD Audio/DVD Video/CD/CD-R/CD-RW/MP3/Video CD ■ Newly developed 7-disc carousel changer with Play & Exchange ■ High-resolution GUI

XV-F85GD
XV-F80BK

7-Disc Carousel DVD Video Changer

Video Features: ■ Digital Direct Progressive Scan Output ■ High-bit/high-sampling (10-bit/54MHz) video D/A converter ■ Video Fine Processor with 7 parameters ■ Component video/S-video/composite video outputs ■ 13-step high-quality Zoom: x1/8—x1024 ■ Resume/Digest/Strobe/Angle List functions
Audio Features: ■ 1-bit P.E.M. D.D. Converter with 96kHz/24-bit audio resolution ■ Optical and coaxial digital outputs for PCM/Dolby Digital/DTS
Convenience and Versatility: ■ Compatible with DVD Video/CD/CD-R/CD-RW/MP3/Video CD ■ Newly developed 7-disc carousel changer with Play & Exchange ■ High-resolution GUI

XV-SA75GD
XV-SA70BK

DVD Audio/Video Player

Video Features: ■ Digital Direct Progressive Scan Output ■ High-bit/high-sampling (10-bit/54MHz) video D/A converter ■ Video Fine Processor with 7 parameters ■ Component video/S-video/composite video outputs ■ 13-step high-quality Zoom: x1/8—x1024 ■ Resume/Digest/Strobe/Angle List functions
Audio Features: ■ 192kHz/24-bit P.E.M. D.D. converter compatible with DVD Audio format ■ Dolby Digital/DTS Multichannel decoders built-in ■ Optical and coaxial digital outputs for PCM/Dolby Digital/DTS ■ 5.1-channel analog output
Convenience and Versatility: ■ Compatible with DVD Audio/DVD Video/CD/CD-R/CD-RW/MP3/Video CD ■ High-resolution GUI

RX-8010VBK

Audio/Video Control Receiver

■ **Stereo:** 120 watts per channel, 8 ohms, 20Hz to 20kHz, with 0.08% THD; **Surround: (Front)** 100 watts per channel, 8 ohms, 1kHz, 0.8% THD; **(Center)** 100 watts, 8 ohms, 1kHz, 0.8% THD; **(Surround)** 100 watts per channel, 8 ohms, 1kHz, 0.8% THD ■ Dolby Digital/DTS decoders built-in ■ Compatible with multi-channel audio (5.1-channel analog input and 5 separate amps) ■ Front USB-Audio input for playback of PC/Internet-downloaded music ■ New high-performance DSP: Dolby Pro Logic in full digital processing: Digital Acoustics Processor (DAP) for multi-channel digital sources and 2-channel digital sources (7 modes); 3D-PHONIC; Headphone mode; All-channel stereo mode; Midnight mode; Parametric EQ (Main Channels/Bass: 63/250/1k/4k/16kHz, ±8dB/2dB steps: Center Channel/2.5kHz, ±6dB/3dB steps): 1 manual EQ setting for each source ■ Line Direct for high-fidelity playback of analog sources ■ LCD multi-brand A/V-DBS-CATV remote control ■ On-screen display ■ TEXT COMPU LINK ■ High-rigidity Z-Chassis ■ One Touch Operation ■ Wide-range frequency response for DVD Audio ■ Banana-plug speaker terminals for all channels ■ Independent CD-R input and output ■ 5 A/V inputs and 4 audio inputs ■ 1 coaxial and 3 optical digital inputs with assignable function (TV/DBS, CD, CDR, MD, DVD) ■ 1 optical digital output ■ Component video terminals: 2 inputs and 1 output ■ S-video terminals: 5 inputs and 3 outputs ■ 15 AM and 30 FM station memory ■ Enhanced COMPU LINK Control System ■ AV COMPU LINK

XV-S65GD
XV-S60BK

DVD Video Player

Video Features: ■ Digital Direct Progressive Scan Output ■ High-bit/high-sampling (10-bit/54MHz) video D/A converter ■ Video Fine Processor with 7 parameters ■ Component video/S-video/composite video outputs ■ 13-step high-quality Zoom: x1/8—x1024 ■ Resume/Digest/Strobe/Angle List functions
Audio Features: ■ 1-bit P.E.M. D.D. Converter with 96kHz/24-bit audio resolution ■ Optical and coaxial digital outputs for PCM/Dolby Digital/DTS
Convenience and Versatility: ■ Compatible with DVD Video/CD/CD-R/CD-RW/MP3/Video CD ■ High-resolution GUI

XV-M50BK

Triple-Tray DVD Video Changer

Video Features: ■ High-bit/high-sampling (10-bit/27MHz) video D/A converter ■ Component video, S-video and composite video outputs ■ Zoom/Resume/Digest/Strobe/Angle List functions
Audio Features: ■ 1-bit P.E.M. D.D. Converter with 96kHz/24-bit audio resolution ■ Optical and coaxial digital outputs for PCM/Dolby Digital/DTS
Convenience and Versatility: ■ Compatible with DVD Video/CD/CD-R/CD-RW/Video CD

XV-S45GD
XV-S40BK

DVD Video Player

Video Features: ■ High-bit/high-sampling (10-bit/27MHz) video D/A converter ■ Component video, S-video and composite video outputs ■ Zoom/Resume/Digest/Strobe/Angle List functions
Audio Features: ■ 1-bit P.E.M. D.D. Converter with 96kHz/24-bit audio resolution ■ Optical and coaxial digital outputs for PCM/Dolby Digital/DTS
Convenience and Versatility: ■ Compatible with DVD Video/CD/CD-R/CD-RW/Video CD

XV-D9000

DVD Audio/Video Player

Video Features: ■ Progressive Scan Output (24p-60p direct conversion and 3-dimensional natural progressive scan) ■ 10-bit/27MHz Video D/A Converter ■ Component video/S-video/composite video outputs ■ Video circuits power off **Audio Features:** ■ Extended K2 Processing ■ 1-bit P.E.M. D.D. Audio D/A Converter compatible with 192kHz/24-bit and 96kHz/24-bit DVD Audio formats ■ Multichannel downmix ■ Dolby Digital/DTS Multichannel decoders built-in ■ Optical and coaxial digital outputs for PCM/Dolby Digital/DTS ■ 5.1-channel analog output **General:** ■ Compatible with DVD Audio/DVD Video/CD/Video CD ■ Total construction for zero interference, zero vibration and zero resonance

RX-7010VBK

Audio/Video Control Receiver

■ **Stereo:** 100 watts per channel, 8 ohms, 40Hz to 20kHz, with 0.8% THD; **Surround: (Front)** 100 watts per channel, 8 ohms, 1kHz, 0.8% THD; **(Center)** 100 watts, 8 ohms, 1kHz, 0.8% THD; **(Surround)** 100 watts per channel, 8 ohms, 1kHz, 0.8% THD ■ Dolby Digital/DTS decoders built-in ■ Compatible with multi-channel audio (5.1-channel analog input and 5 separate amps) ■ DSP functions: Dolby Pro Logic in full digital processing; Digital Acoustics Processor (DAP) for 2-channel digital sources (5 modes); Headphone mode ■ LCD multi-brand A/V-DBS-CATV remote control ■ Fluorescent display ■ Bass/treble tone control ■ Bass boost ■ Banana-plug speaker terminals for all channels ■ 3 A/V inputs and 3 audio inputs ■ 1 coaxial and 3 optical digital inputs with assignable function (TV/DBS, CD, MD, DVD) ■ 1 optical digital output ■ S-video terminals: 3 inputs and 2 outputs ■ 15 AM and 30 FM station memory ■ High-rigidity Z-Chassis ■ Enhanced COMPU LINK Control System ■ AV COMPU LINK

RX-6010VBK

Audio/Video Control Receiver

■ **Stereo:** 100 watts per channel, 8 ohms, 40Hz to 20kHz, with 0.8% THD; **Surround: (Front)** 100 watts per channel, 8 ohms, 1kHz, 0.8% THD; **(Center)** 100 watts, 8 ohms, 1kHz, 0.8% THD; **(Surround)** 100 watts per channel, 8 ohms, 1kHz, 0.8% THD ■ Dolby Digital/DTS decoders built-in ■ Digital Acoustics Processor (DAP) for 2-channel sources (5 modes) ■ Dolby Pro Logic in full digital processing ■ Headphone mode ■ Fluorescent display ■ Bass/treble tone control ■ 2 A/V inputs and 3 audio inputs ■ 1 coaxial and 1 optical digital inputs with assignable function (TV/DBS, CD, MD, DVD) ■ High-rigidity Z-Chassis ■ Full-function A/V remote control ■ Enhanced COMPU LINK Control System

CD Recorders

CD-R and CD-RW

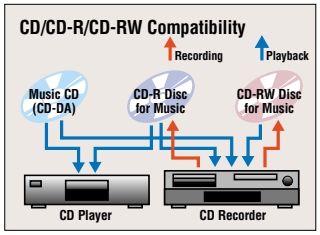
CD-R and CD-RW (CD Recordable and CD Rewritable, respectively) feature a 16-bit/44.1kHz format that's compatible with CD and PCM. CD-R is a write once format, but CD-RW is erasable for re-recording. They are new recording media that let you make your own best-of anthologies.

Combining 3-CD changer and CD/CD-R/CD-RW deck

The XL-R5010BK combines two units into a single convenient one—a 3-CD Triple-Tray changer that's compatible with CD-RW and a CD-R/RW recorder that can play CDs as well. The changer is a JVC exclusive with three separate disc trays—the Play & Exchange System—for non-stop audio entertainment. The XL-R2010BK combines a CD/CD-R/CD-RW recorder with a single-play CD player.

Versatile edit assemble functions

The JVC XL-R5010BK offers its own unique features for recording convenience. Because it combines a 3-CD/CD-R/CD-RW player with a CD-R/CD-RW recorder, you can assemble and edit tracks from up to three discs to make compilation albums of your own. 4X (CD-R)/2X (CD-RW) Synchro Rec allows dubbing at 4 or 2 times normal speed. 1-Disc and 1-Track Synchro Rec functions allow one-touch dubbing of an entire disc or a single track. The XL-R2010BK comes with 4X (CD-R)/2X (CD-RW) Synchro Rec, as well as 1-Disc and 1-Track Synchro Rec.

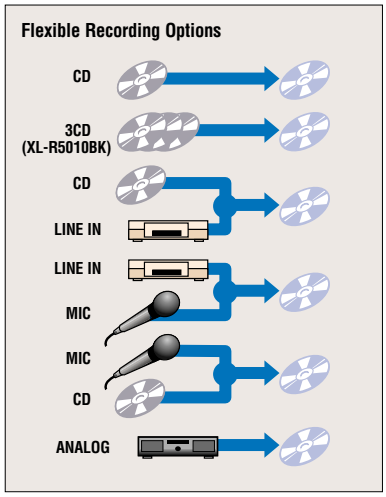


K2 Interface (XL-R5010BK)

K2 Interface is the digital data transmission system located before the D/A converter for the elimination of the digital noise due to "jitter" and "ripple." Only pure digital signals are transmitted from the digital to the analog section for the highest quality sound. You have an extraordinary wide dynamic range from pre-recorded CDs and CDs you record yourself.

Flexible recording options

You can use the XL-R5010BK or XL-R2010BK as a simple mixing/recording console. You can mix two signals—CD with Line, Line with Mic, and Mic with CD—and adjust individual levels independently. There are also optical and coaxial digital inputs and outputs. The pitch control allows ±12% (max.) pitch adjustment.



XL-R910SL in Compact Dimensions

The XL-R910SL is a compact CD-R/CD-RW recorder—$10^{11}/_{16}$ inches (270mm) wide—in silver finish. It's an add-on designed for Compact Component Systems. It allows CD-R synchro recording with a CD player. Because it is compatible with CD-R and CD-RW, the XL-R910SL can also be used as a stand-alone deck/player.

COMPACT disc DIGITAL AUDIO Recordable ReWritable

K2 INTERFACE

4x DUBBING

XL-R5010BK

CD/CDR Multiple Compact Disc Recorder

■ 4x (CD-R)/2x (CD-RW) high-speed CD-to-CD-R/RW synchro dubbing ■ K2 Interface **3-CD Triple-Tray Changer** ■ Play & Exchange System ■ CD-R/RW compatible ■ 3-disc program/random/continuous play ■ Pitch control (±12%) ■ Tray lock **CD-R/RW Recorder** ■ CD to CD-R/RW synchro rec: One-touch Rec (1 Disc/1 Track) and Edit Rec (Listening/Program) ■ High-speed auto/manual finalize (CD-R: 4x, CD-RW: 2x) ■ Mix and record: CD with Line, Line with Mic, Mic with CD ■ 2x unfinalize (CD-RW) ■ Rec level control (analog input) ■ Fade in/out (rec) ■ 2x erase (Last Single Track/Last Multiple Tracks/All Tracks) ■ Track skip write ■ Auto/manual track marking ■ Sampling rate converter (32kHz/48kHz) ■ Tray lock **General** ■ Optical and coaxial digital input/output ■ Mic input ■ Line input/output ■ Programmable timer (Daily Play/Rec, Once Play/Rec) ■ Mixing balance ■ Remote control unit ■ Enhanced COMPU LINK Control System

Notes:
1. Recorded CD-R discs cannot be played on an ordinary CD player unless finalized.
2. New recordings may be added on so long as a CD-R disc is not finalized.
3. The XL-R5010BK/XL-R2010BK/XL-R910SL cannot record on CD-R and CD-RW discs intended for PC applications.
4. Most CD-RW discs cannot be played on CD players, unless they specify as CD-RW ready or CD-RW playback.

XL-R2010BK

CD/CDR Multiple Compact Disc Recorder

■ 4x (CD-R)/2x (CD-RW) high-speed CD-to-CD-R/RW synchro dubbing **CD Player** ■ Program/random play ■ Pitch control (±12%) ■ Tray lock **CD-R/RW Recorder** ■ CD to CD-R/RW synchro-rec: One-touch rec (1 Disc/1 Track) and Edit Rec (Listening/Program) ■ Mix and record: CD with Line, Line with Mic, Mic with CD ■ Rec level control (analog input) ■ Fade in/out (rec) ■ 2x erase (Last Single Track/Last Multiple Tracks/All Tracks) ■ High-speed auto/manual finalize (CD-R: 4x, CD-RW: 2x) ■ Sampling rate converter (32kHz/48kHz) ■ Tray lock **General** ■ Optical and coaxial digital input/output ■ Mic input ■ Line input/output ■ Remote control unit ■ Enhanced COMPU LINK Control System

XL-R910SL

Compact Disc Recorder

■ Mini-size CD recorder ($10^{11}/_{16}$"/270mm wide) **CD Player** ■ Program/repeat play **CD-R/RW Recorder** ■ Synchro-Rec (Digital All Tracks/Digital 1 Track) ■ Rec level control (analog input) ■ 2x finalize/unfinalize (CD-RW) ■ 2x erase (Last Single Track/Last Multiple Tracks/All Tracks) **General** ■ Optical digital input/output ■ Coaxial digital output ■ Line input/output ■ Remote control unit

CD Players & Cassette Decks

The 1-bit P.E.M. D.D. Converter

The JVC-exclusive 1-bit P.E.M. D.D. Converter is a high-performance 1-bit DAC, for two reasons. First, the VANS (JVC Advanced Noise Shaper) features the highest order of noise shaping (4th order), allowing the use of a simple low-pass filter to combine superior frequency and phase response. Second, a pair of P.E.M. DACs improve resolution four-fold, ensuring the high signal-to-noise ratio. The JVC P.E.M. D.D. Converter lets you enjoy music thoroughly, even at the quietest levels.

JVC 200-disc changers give instant access to any of 200 discs (XL-MC2000BK/XL-MC334BK)

JVC offers two extremely convenient and versatile 200-CD mega changers—the XL-MC2000BK and XL-MC334BK. Both are compact rotary types: You load discs one by one, placing each in a vertical slot on the turntable. As a selected or programmed track is about to play, the turntable turns clockwise or counterclockwise to reach the desired disc quickly.

This is our "Play and Exchange" System: you can manually change up to 25 discs exposed at the front of the changer without interrupting playback. You can also conveniently eject the exposed disc at the exact center at a touch, choose discs and tracks with the simple twist of the jog dial, and play up to 200 discs in random order.

"Virtual user file" function (XL-MC334BK)

The XL-MC334BK's User File function lets you classify discs into 8 categories (by type, artist, user, etc.) and then put up to 32 CDs per category into the User File memory. Conveniently, you can give your own title to each of eight User Files.

Optical digital output

You can feed the digital output from a CD to a CD-R/RW recorder to make digital-to-digital recordings and produce your own high-quality compilation albums.

"COMPU CALIBRATION"—computer-controlled record calibration (TD-W354BK)

To enjoy the highest performance from your favorite tape, the deck's recording parameters must be calibrated (optimized) for that tape. Our TD-W354BK features COMPU CALIBRATION, a one-touch computer-controlled record calibration system developed just for this purpose. It adjusts bias, equalization and level (sensitivity) to ensure flat response, low distortion and extended high-frequency response. Conveniently, the last calibrated parameters are kept in memory for each type (normal, chrome and metal) and for each of the double cassette decks.

Enhanced COMPU LINK Control System

Most JVC audio components come with the Enhanced COMPU LINK Control System. Use a JVC CD player, CD/CDR recorder or cassette deck with a JVC receiver featuring the Enhanced COMPU LINK Control System to enjoy tremendous convenience*. For instance, when you touch the PLAY button on the CD player or on the remote control, the player and receiver are automatically turned on; the input is set to CD on the receiver, and play begins.

* Interactive operation between receivers and sources is available only with JVC models featuring the Enhanced COMPU LINK Control System.

XL-MC2000BK

200-Disc CD Changer

■ All-in-one design—a rotary-type 200-CD changer in one chassis ■ Electric CD door with Disc Eject: you can eject the disc up front at a touch. ■ 1-bit D/A converter ■ 8-times oversampling digital filter ■ Optical digital output ■ Play & Exchange System: You can manually change up to 25 of 200 discs without stopping play ■ Continuous and random play from 200 discs ■ Jog dial for disc and track selection ■ Program play of up to 32 "steps" (tracks and discs) from 200 discs ■ "CD Booklet File" included ■ Enhanced COMPU LINK Control System ■ Remote control unit

XL-MC334BK

200-Disc CD Changer with CD Text

TEXT COMPU LINK CD TEXT

■ All-in-one design—a rotary-type 200-CD changer in one chassis ■ CD Text ■ 1-bit P.E.M. D.D. Converter ■ TEXT COMPU LINK ■ Title memory (Disc title/performer name; up to 32 characters per title or name/200 CDs) ■ Genre memory for 27 patterns ■ 8 user files (up to 32 discs per file) ■ "Reserve Program" of up to 32 "steps" (tracks and discs) from 200 discs ■ Optical digital output ■ Electric CD door with Disc Eject: You can eject the disc up front at a touch ■ Play & Exchange System: You can manually change up to 25 of 200 discs without stopping play ■ Search by disc title, performer and genre ■ 8-times oversampling digital filter ■ Continuous and random play from 200 discs ■ Multi Jog dial for disc/track selection, title input, etc. ■ Program play of up to 32 "steps" (tracks and discs) from 200 discs ■ "CD Booklet File" included ■ Enhanced COMPU LINK Control System ■ Remote control unit

XL-FZ258BK
XL-FZ158BK

5-Disc Carousel CD Changers

■ Play & Exchange System: Change any of 4 discs while one more is being played ■ 1-bit P.E.M. D.D. Converter ■ Optical digital output ■ 10-key pad for direct track access (XL-FZ258BK) ■ 8-times oversampling digital filter ■ Remote control (XL-FZ258BK) ■ Headphone output with volume control ■ 5 DISC keys on the front panel ■ Continuous play and smart random play ■ 20-track program chart ■ Program play of up to 32 "steps" (tracks and discs) from 5 discs ■ 4-way repeat ■ Auto/manual search ■ Enhanced COMPU LINK Control System

TD-W354BK

Double-Mechanism Cassette Deck

■ Twin auto-reverse transports ■ "COMPU CALIBRATION" ■ Full-logic control ■ Silent Mechanisms ■ Pitch control (Deck A) ■ Mic input with level control ■ Multi Music Scan ■ DDRP (Dynamics Detection Recording Processor) ■ Continuous play of two tapes ■ High-speed editing with synchro dubbing ■ Dolby HX Pro (Deck B) ■ Dolby B/C noise reduction ■ Fluorescent level meters/counters ■ Auto tape selector (Normal/CrO_2/Metal) ■ Auto/synchro rec mute ■ Headphone output ■ Enhanced COMPU LINK Control System

TD-W254BK

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Audio Accessories

HA-W250RF
900MHz FM Cordless Headphone System

HA-DX3
Digital Reference Stereo Headphones

HA-DX1
Digital Reference Stereo Headphones

HA-G77
Digital-Ready Stereo Headphones

HA-G55
Digital-Ready Stereo Headphones

HA-G33
Digital-Ready Stereo Headphones

HA-G11
Digital-Ready Stereo Headphones

HA-V560
Digital-Ready Stereo Headphones

HA-P75
Digital-Ready Folding Stereo Headphones

HA-CD71F
Digital-Ready Lightweight Folding Stereo Headphones

HA-CD70F
Digital-Ready Lightweight Folding Stereo Headphones

HA-CD58
Digital-Ready Lightweight Stereo Headphones

HA-33
Lightweight Stereo Headphones

MV-89
Dynamic Microphone

MV-79
Dynamic Microphone

MV-29
Dynamic Microphone

MV-19
Dynamic Microphone

Specifications

A/V Receivers

	RX-DP10VBK	RX-DP9VBK	RX-9010VBK	RX-8010VBK	RX-7010VBK	RX-6010VBK
AMPLIFIER SECTION						
Output Power: Stereo	120 watts per channel, min. RMS, driven into 8 ohms from 20Hz to 20kHz, with no more than 0.02% total harmonic distortion 120 watts per channel, min. RMS, driven into 4 ohms from 20Hz to 20kHz, with no more than 0.07% total harmonic distortion	120 watts per channel, min. RMS, driven into 8 ohms from 20Hz to 20kHz, with no more than 0.02% total harmonic distortion 120 watts per channel, min. RMS, driven into 4 ohms from 20Hz to 20kHz, with no more than 0.08% total harmonic distortion	120 watts per channel, min. RMS, driven into 8 ohms from 20Hz to 20kHz, with no more than 0.08% total harmonic distortion	120 watts per channel, min. RMS, driven into 8 ohms from 20Hz to 20kHz, with no more than 0.08% total harmonic distortion	100 watts per channel, min. RMS, driven into 8 ohms from 40Hz to 20kHz, with no more than 0.8% total harmonic distortion	100 watts per channel, min. RMS, driven into 8 ohms from 40Hz to 20kHz, with no more than 0.8% total harmonic distortion
Surround: Front Channels	120 watts per channel, min. RMS, driven into 8 ohms/ 4 ohms from 20Hz to 20kHz, with no more than 0.02%/ 0.07% total harmonic distortion	100 watts per channel, min. RMS, driven into 8 ohms from 20Hz to 20kHz, with no more than 0.08% total harmonic distortion	100 watts per channel, min. RMS, driven into 8 ohms at 1kHz, with no more than 0.8% total harmonic distortion	100 watts per channel, min. RMS, driven into 8 ohms at 1kHz, with no more than 0.8% total harmonic distortion	100 watts per channel, min. RMS, driveni to 8 ohms at 1kHz, with no more than 0.8% total harmonic distortion	100 watts per channel, min. RMS, driven into 8 ohms at 1kHz, with no more than 0.8% total harmonic distortion
Center Channel	120 watts per channel, min. RMS, driven into 8 ohms/ 4 ohms from 20Hz to 20kHz, with no more than 0.02%/ 0.07% total harmonic distortion	100 watts per channel, min. RMS, driven into 8 ohms from 20Hz to 20kHz, with no more than 0.08% total harmonic distortion	100 watts, min. RMS, driven into 8 ohms at 1kHz, with no more than 0.8% total harmonic distortion	100 watts, min. RMS, driven into 8 ohms at 1kHz, with no more than 0.8% total harmonic distortion	100 watts, min. RMS, driven into 8 ohms at 1kHz, with no more than 0.8% total harmonic distortion	100 watts, min. RMS, driven into 8 ohms at 1kHz, with no more than 0.8% total harmonic distortion
Surround Channels	120 watts per channel, min. RMS, driven into 8 ohms/ 4 ohms from 20Hz to 20kHz, with no more than 0.02%/ 0.07% total harmonic distortion	100 watts per channel, min. RMS, driven into 8 ohms from 20Hz to 20kHz, with no more than 0.08% total harmonic distortion	100 watts per channel, min. RMS, driven into 8 ohms at 1kHz, with no more than 0.8% total harmonic distortion	100 watts per channel, min. RMS, driven into 8 ohms at 1kHz, with no more than 0.8% total harmonic distortion	100 watts per channel, min. RMS, driven into 8 ohms at 1kHz, with no more than 0.8% total harmonic distortion	100 watts per channel, min. RMS, driven into 8 ohms at 1kHz, with no more than 0.8% total harmonic distortion
Surround Back Channels	120 watts per channel, min. RMS, driven into 8 ohms/ 4 ohms from 20Hz to 20kHz, with no more than 0.02%/ 0.07% total harmonic distortion					
Input Sensitivity/Impedance						
PHONO	2.5mV/47k ohms	2.5mV/47k ohms	2.5mV/47k ohms	2.5mV/47k ohms	2.7mV/47k ohms	—
OTHER INPUTS	200mV/47k ohms	200mV/47k ohms	200mV/47k ohms	200mV/47k ohms	220mV/47k ohms	220mV/47k ohms
Signal-to-Noise Ratio ('66 IHF/'78 IHF)						
PHONO	70dB/78dB (REC OUT)	70dB/78dB (REC OUT)	70dB/78dB (REC OUT)	70dB/78dB (REC OUT)	70dB/78dB (REC OUT)	—
OTHER INPUTS	92dB/80dB	92dB/80dB	92dB/80dB	92dB/80dB	87dB/67dB	87dB/67dB
Frequency Response						
PHONO	20Hz - 20kHz (±1dB)	20Hz - 20kHz (±1dB)	20Hz - 20kHz (±1dB)	20Hz - 20kHz (±1dB)	20Hz - 20kHz (±1dB)	—
DVD MULTI	10Hz - 100kHz (+1dB, -3dB)	10Hz - 100kHz (+1dB, -3dB)	20Hz - 100kHz (+1dB, -3dB)	20Hz - 100kHz (+1dB, -3dB)	20Hz - 20kHz (±1dB)	—
OTHER INPUTS	10Hz - 100kHz (+1dB, -3dB)	10Hz - 100kHz (+1dB, -3dB)	20Hz - 100kHz (+1dB, -3dB)	20Hz - 100kHz (+1dB, -3dB)	20Hz - 20kHz (±1dB)	20Hz - 20kHz (±1dB)
USB			20Hz - 20kHz (+1dB, -3dB)	20Hz - 20kHz (+1dB, -3dB)		
RIAA Phono Equalization	±1dB (20Hz - 20kHz)	±1dB (20Hz - 20kHz)	±1dB (20Hz - 20kHz)	±1dB (20Hz - 20kHz)	±1dB (20Hz - 20kHz)	—
FM TUNER SECTION (IHF)						
Usable Sensitivity	12.8dBf (1.2µV/75 ohms)	12.8dBf (1.2µV/75 ohms)	12.8dBf (1.2µV/75 ohms)	12.8dBf (1.2µV/75 ohms)	12.8dBf (1.2µV/75 ohms)	12.8dBf (1.2µV/75 ohms)
Quieting Sensitivity MONO	18.2dBf (2.2µV/75 ohms)	18.2dBf (2.2µV/75 ohms)	21.3dBf (3.2µV/75 ohms)	21.3dBf (3.2µV/75 ohms)	21.3dBf (3.2µV/75 ohms)	21.3dBf (3.2µV/75 ohms)
STEREO	38.2dBf (22.3µV/75 ohms)	38.2dBf (22.3µV/75 ohms)	41.3dBf (31.5µV/75 ohms)	41.3dBf (31.5µV/75 ohms)	41.3dBf (31.5µV/75 ohms)	41.3dBf (31.5µV/75 ohms)
Stereo Separation at REC OUT (1kHz)	40dB	40dB	35dB	35dB	35dB	35dB
Distortion (1kHz) MONO/STEREO	0.2%/0.3%	0.2%/0.3%	0.4%/0.6%	0.4%/0.6%	0.4%/0.6%	0.4%/0.6%
Signal-to-Noise Ratio (IHF-A weighted) MONO/STEREO (at 85 dBf)	78dB/73dB	78dB/73dB	78dB/73dB	78dB/73dB	78dB/73dB	78dB/73dB
Selectivity (±400kHz)	60dB	60dB	48dB	48dB	45dB	45dB
Capture Ratio (at 85 dBf)	1.5dB	1.5dB	2dB	2dB	2dB	2dB
AM Rejection Ratio	63dB	63dB	59dB	59dB	59dB	59dB
Frequency Response	30Hz - 15kHz (+0.5, -3dB)	30Hz - 15kHz (+0.5, -3dB)	30Hz - 15kHz (+0.5, -3dB)	30Hz - 15kHz (+0.5, -3dB)	30Hz - 15kHz (+0.5, -3dB)	30Hz - 15kHz (+0.5, -3dB)
AM TUNER SECTION						
Usable Sensitivity	400µV/m (Loop antenna)	400µV/m (Loop antenna)	400µV/m (Loop antenna)	400µV/m (Loop antenna)	400µV/m (Loop antenna)	400µV/m (Loop antenna)
Signal-to-Noise Ratio (100mV/m)	50dB	50dB	50dB	50dB	50dB	50dB
Selectivity (±10kHz)	23dB	23dB	23dB	23dB	23dB	23dB
VIDEO INPUTS/OUTPUTS						
Output Signal Level						
Component - Y	1Vp-p	1Vp-p	1Vp-p	1Vp-p	—	—
- P_B/P_R	0.7Vp-p	0.7Vp-p	0.7Vp-p	0.7Vp-p	—	—
S-Video -Y	1Vp-p	1Vp-p	1Vp-p	1Vp-p	1Vp-p	—
S-Video -C	0.286Vp-p	0.286Vp-p	0.286Vp-p	0.286Vp-p	0.286Vp-p	—
Composite	1Vp-p	1Vp-p	1Vp-p	1Vp-p	1Vp-p	1Vp-p
Impedance	75 ohms unbalanced	75 ohms unbalanced	75 ohms unbalanced	75 ohms unbalanced	75 ohms unbalanced	75 ohms unbalanced
Synchronization	Negative	Negative	Negative	Negative	Negative	Negative
Signal-to-Noise Ratio	45dB	45dB	45dB	45dB	45dB	45dB
Crosstalk	45dB (3.58MHz)	45dB (3.58MHz)	45dB (3.58MHz)	45dB (3.58MHz)	45dB (3.58MHz)	45dB (3.58MHz)
Dimensions (W x H x D)	$17^{9}/_{16}$ x 7 x $18^{3}/_{4}$ inches 445 x 176.5 x 474.5 mm	$17^{9}/_{16}$ x 7 x $18^{3}/_{4}$ inches 445 x 176.5 x 474.5 mm	$17^{3}/_{16}$ x $6^{3}/_{16}$ x $16^{3}/_{4}$ inches 435 x 156.5 x 425 mm	$17^{3}/_{16}$ x $6^{3}/_{16}$ x $16^{3}/_{4}$ inches 435 x 156.5 x 425 mm	$17^{3}/_{16}$ x $5^{13}/_{16}$ x $16^{7}/_{16}$ inches 435 x 146.5 x 425.5 mm	$17^{3}/_{16}$ x $5^{13}/_{16}$ x $16^{7}/_{16}$ inches 435 x 146.5 x 416 mm
Mass	49 lbs. (22.0kg)	47 lbs. (21.1kg)	25.4 lbs. (11.5kg)	25.4 lbs. (11.5kg)	19.0 lbs. (8.6kg)	19.0 lbs. (8.6kg)

CD Changers

	XL-MC2000BK	XL-MC334BK	XL-FZ258BK	XL-FZ158BK
Total Harmonic Distortion (1kHz)	0.006%	0.004%	0.0022%	0.0022%
Signal-to-Noise Ratio	103dB	105dB	107dB	107dB
Dynamic Range (1kHz)	96dB	96dB	98dB	98dB
Frequency Response	4Hz — 20kHz	4Hz — 20kHz	2Hz — 20kHz	2Hz — 20kHz
Wow and Flutter	Unmeasurable	Unmeasurable	Unmeasurable	Unmeasurable
Channel Separation (1kHz)			94dB	94dB
Output Level (LINE)	2.0V RMS	2.0V RMS	2.0V RMS	2.0V RMS
Dimensions (W × H × D)	$17^{3}/_{16}$ × $7^{7}/_{8}$ × 19 inches 435 × 199.5 × 482.5 mm	$17^{3}/_{16}$ × $7^{7}/_{8}$ × 19 inches 435 × 199.5 × 482.5 mm	$17^{3}/_{16}$ × $5^{1}/_{16}$ × $15^{5}/_{16}$ inches 435 × 128 × 388 mm	$17^{3}/_{16}$ × $5^{1}/_{16}$ × $15^{5}/_{16}$ inches 435 × 128 × 388 mm
Mass	17.2 lbs (7.8kg)	17.2 lbs (7.8kg)	11.3 lbs (5.1kg)	11.3 lbs (5.1kg)

DVD Players

		XV-FA95GD/FA90BK	XV-F85GD/F80BK	XV-SA75GD/SA70BK	XV-S65GD/S60BK	XV-M50BK	XV-S45GD/S40BK
AUDIO SECTION							
Total Harmonic Distortion		16-bit: Less than 0.0018% 20/24-bit: Less than 0.0012%	0.002%	16-bit: Less than 0.0018% 20/24-bit: Less than 0.0012%	0.002%	0.002%	0.002%
Dynamic Range:	16-bit	More than 100dB	98dB	More than 100dB	98dB	98dB	98dB
	20/24-bit	More than 108dB	106dB	More than 110dB	106dB	106dB	106dB
Frequency Response:	CD (fs=44.1kHz)	2Hz — 20kHz	2Hz — 20kHz	2Hz — 20kHz	2Hz — 20kHz	2Hz — 20kHz	2Hz — 20kHz
	DVD (fs=48kHz)	2Hz — 22kHz	2Hz — 22kHz	2Hz — 22kHz	2Hz — 22kHz	2Hz — 22kHz	2Hz — 22kHz
	DVD (fs=96kHz)	2Hz — 44kHz	2Hz — 44kHz	2Hz — 44kHz	2Hz — 44kHz	2Hz — 44kHz	2Hz — 44kHz
	DVD (fs=192kHz)	2Hz — 88kHz	—	2Hz — 88kHz	—	—	—
Output Level		2.0V RMS	2.0V RMS	2.0V RMS	2.0V RMS	2.0V RMS	2.0V RMS
VIDEO SECTION							
Horizontal Resolution		500 Lines	500 Lines	500 Lines	500 Lines	500 Lines	500 Lines
Output Level:	Component -Y	1.0Vp-p/75 ohms	1.0Vp-p/75 ohms	1.0Vp-p/75 ohms	1.0Vp-p/75 ohms	1.0Vp-p/75 ohms	1.0Vp-p/75 ohms
	- P_B/P_R	0 - 0.7Vp-p/75 ohms	0 - 0.7Vp-p/75 ohms	0 - 0.7Vp-p/75 ohms	0 - 0.7Vp-p/75 ohms	0 - 0.7Vp-p/75 ohms	0 - 0.7Vp-p/75 ohms
	S-Video -Y	1.0Vp-p/75 ohms	1.0Vp-p/75 ohms	1.0Vp-p/75 ohms	1.0Vp-p/75 ohms	1.0Vp-p/75 ohms	1.0Vp-p/75 ohms
	-C	0.286Vp-p/75 ohms	0.286Vp-p/75 ohms	0.286Vp-p/75 ohms	0.286Vp-p/75 ohms	0.286Vp-p/75 ohms	0.286Vp-p/75 ohms
	Composite	1.0Vp-p/75 ohms	1.0Vp-p/75 ohms	1.0Vp-p/75 ohms	1.0Vp-p/75 ohms	1.0Vp-p/75 ohms	1.0Vp-p/75 ohms
Dimensions (W x H x D)		$17^{3}/_{16}$ x $4^{1}/_{16}$ x $17^{11}/_{16}$ inches 435 x 102 x 448mm	$17^{3}/_{16}$ x $4^{1}/_{16}$ x $17^{11}/_{16}$ inches 435 x 102 x 448mm	$17^{3}/_{16}$ x $2^{7}/_{8}$ x $10^{9}/_{16}$ inches 435 x 73 x 267.5mm	$17^{3}/_{16}$ x $2^{11}/_{16}$ x $10^{9}/_{16}$ inches 435 x 68 x 267.5mm	$17^{3}/_{16}$ x 5 x 13 inches 435 x 127 x 329mm	$17^{3}/_{16}$ x $2^{11}/_{16}$ x $10^{9}/_{16}$ inches 435 x 68 x 267.5mm
Mass		12.4 lbs (5.6kg)	12.4 lbs (5.6kg)	5.8 lbs (2.6kg)	5.8 lbs (2.6kg)	10.6 lbs (4.8kg)	5.8 lbs (2.6kg)

DVD Audio/Video Player

		XV-D9000
AUDIO SECTION		
Total Harmonic Distortion:	16-bit	Less than 0.015%
	20/24-bit	Less than 0.010%
Dynamic Range:	16-bit	More than 100dB
	20/24-bit	More than 112dB
Frequency Response:		
CD (fs=44.1kHz)		2Hz — 20kHz
DVD Audio/Video (fs=48kHz)		2Hz — 22kHz
DVD Audio/Video (fs=96kHz)		2Hz — 44kHz
DVD Audio (fs=192kHz)		2Hz — 88kHz
Output Level		2.5V RMS/10k ohms
VIDEO SECTION		
Horizontal Resolution		500 Lines
Output Level:	Component - Y	1.0Vp-p/75 ohms
	- P_B/P_R	0 - 0.7Vp-p/75 ohms
	S-Video - Y	1.0Vp-p/75 ohms
	- C	0.286Vp-p/75 ohms
	Composite	1.0Vp-p/75 ohms
Dimensions (W x H x D)		$17^{3}/_{16}$ x $4^{15}/_{16}$ x $15^{7}/_{16}$ inches 436 x 125 x 391 mm
Mass		28.9 lbs (13.1kg)

CD Recorders

		XL-R5010BK	XL-R2010BK	XL-R910SL
CD CHANGER/PLAYER SECTION				
Total Harmonic Distortion (1kHz)		0.0063%	0.0063%	—
Signal-to-Noise Ratio		97dB	97dB	—
Dynamic Range (1kHz)		93dB	93dB	—
Frequency Response		20Hz — 20kHz	20Hz — 20kHz	—
Wow and Flutter		Unmeasurable	Unmeasurable	—
Output Level (LINE)		2.0 V RMS (Full scale)	2.0 V RMS (Full scale)	—
CD RECORDER SECTION				
Sampling Frequency		32kHz/48kHz	32kHz/48kHz	44.1kHz
Frequency Response		20Hz — 20kHz	20Hz — 20kHz	20Hz — 20kHz
Minimum Input Level:	Analog (LINE IN)	300mV (Full scale -12dB)	300mV (Full scale -12dB)	300mV (Full scale -12dB)
	Microphone	1mV (Full scale -12dB)	1mV (Full scale -12dB)	—
Signal-to-Noise Ratio		94dB (Playback)	94dB (Playback)	90dB (Playback)
Dynamic Range (1kHz)		91dB (Playback)	91dB (Playback)	90dB (Playback)
Dimensions (W x H x D)		$17^{3}/_{16}$ x 5 x $13^{3}/_{16}$ inches 435 x 127 x 334mm	$17^{3}/_{16}$ x $2^{7}/_{8}$ x 13 inches 435 x 73 x 329mm	$10^{11}/_{16}$ x $3^{3}/_{4}$x $13^{15}/_{16}$ inches 270 x 95 x 353mm
Mass		13.9 lbs (6.3kg)	8.6 lbs (3.9kg)	7.5 lbs (3.4kg)

Double Cassette Decks

		TD-W354BK	TD-W254BK
Frequency Response at -20dB:	Metal Tape	20 — 17,000Hz (30 — 16,000Hz ±3dB)	20 — 17,000Hz (30 — 16,000Hz ±3dB)
	SA/Chrome Tape	20 — 16,000Hz (30 — 15,000Hz ±3dB)	20 — 16,000Hz (30 — 15,000Hz ±3dB)
	Normal Tape	20 — 16,000Hz (30 — 15,000Hz ±3dB)	20 — 16,000Hz (30 — 15,000Hz ±3dB)
Signal-to-Noise Ratio		58dB* (Metal)	58dB* (Metal)
Wow and Flutter		0.08% (WRMS)	0.08% (WRMS)
Crosstalk (1kHz)		60dB	60dB
Harmonic Distortion: K3 (0VU, 315Hz)		0.8% (Metal)	0.8% (Metal)
Input Sensitivity/Impedance:	Microphone (0VU)	0.4mV/600 — 10k ohms (Matching Impedance)	—
	Line Input (0VU)	80mV/50k ohms	80mV/50k ohms
Output Level/Impedance:	Line Output (0VU)	300mV/5k ohms	300mV/5k ohms
	Headphones (0VU)	0.3mW/8 ohms (Matching impedance: 8 — 1k ohms)	0.3mW/8 ohms (Matching impedance: 8 — 1k ohms)
Dimensions (W×H×D)		$17^{3}/_{16}$×$5^{1}/_{2}$×$13^{1}/_{16}$ inches 435×139×331mm	$17^{3}/_{16}$×$5^{1}/_{2}$×$13^{1}/_{16}$ inches 435×139×331mm
Mass		10.9 lbs (4.9kg)	10.6 lbs (4.8kg)

* Metal tape, S:315Hz, K3:3%, N:A-weighted, without NR. The S/N is improved about 15dB at 500Hz and 20dB maximum at 1kHz — 10kHz with Dolby-C NR on, and 5dB at 1kHz and 10dB above 5kHz with Dolby-B NR on.

Headphones

	HA-W250RF	HA-DX3	HA-DX1	HA-G77	HA-G55	HA-G33	HA-G11	HA-V560	HA-P75
Type	Moving coil, closed	Moving coil, closed	Moving coil, closed	Moving coil, closed	Moving coil, closed	Moving coil, closed	Moving coil, closed	Moving coil, closed	Moving coil, closed
Frequency Response	28 — 17,000Hz	4 — 30,000Hz	5 — 30,000Hz	10 — 25,000Hz	12 — 25,000Hz	16 — 22,000Hz	18 — 22,000Hz	7 — 21,000Hz	10 — 23,000Hz
Nominal Impedance		90 ohms	45 ohms	32 ohms	32 ohms	32 ohms	32 ohms	32 ohms	32 ohms
Sensitivity (1kHz)		98dB/mW	98dB/mW	110dB/mW	110dB/mW	100dB/mW	98dB/mW	103dB/mW	108dB/mW
Max. Input Capability		100mW	100mW	100mW	100mW	50mW	50mW	50mW	50mW
Mass (without cord)	7.8 oz (220g) with batteries	11.9 oz (340g)	10.5 oz (300g)	9.2 oz (260g)	9.6 oz (270g)	6.7 oz (190g)	5.3 oz (150g)	4.2 oz (120g)	4.4 oz (125g)
Cord Length	—	13 ft (4m)	13 ft (4m)	11.5 ft (3.5m)	11.5 ft (3.5m)	11.5 ft (3.5m)	9.8 ft (3m)	9.8 ft (3m)	4.9 ft (1.5m)

Headphones

	HA-CD71F	HA-CD70F	HA-CD58	HA-33
Type	Moving coil, open air	Moving coil, open air	Moving coil, open air	Moving coil, open air
Frequency Response	8 — 22,000Hz	8 — 22,000Hz	15 — 22,000Hz	17 — 25,000Hz
Nominal Impedance	32 ohms	32 ohms	32 ohms	32 ohms
Sensitivity (1kHz)	98dB/mW	98dB/mW	100dB/mW	100dB/mW
Max. Input Capability	50mW	50mW	50mW	50mW
Mass (without cord)	1.7 oz (48g)	1.7 oz (48g)	2.1 oz (58g)	1.5 oz (43g)
Cord Length	6.6 ft (2m)	6.6 ft (2m)	6.6 ft (2m)	4.9 ft (1.5m)

Microphones

	MV-89	MV-79	MV-29	MV-19
Type	Dynamic	Dynamic	Dynamic	Dynamic
Directivity	Uni-directional	Uni-directional	Uni-directional	Uni-directional
Frequency Response	100 — 15,000Hz	100 — 13,000Hz	100 — 13,000Hz	100 — 12,000Hz
Output Impedance	600 ohms	600 ohms	500 ohms	500 ohms
Sensitivity	-55dB	-55dB	-56dB	-56dB
Mass (without cord)	9.5 oz (270g)	5.1 oz (145g)	5.8 oz (165g)	2.6 oz (75g)
Cord Length	16.4 ft (5m)	16.4 ft (5m)	9.8 ft (3m)	6.6 ft (2m)

Feature Comparison Charts

A/V Receivers

CIRCUITRY

		RX-DP10VBK	RX-DP9VBK	RX-9010VBK	RX-8010VBK	RX-7010VBK	RX-6010VBK
Surround Sound	THX Processing	Ultra	Select	-	-	-	-
	Dolby Digital Decoder Built-in	●	●	●	●	●	●
	DTS Decoder Built-in	●	●	●	●	●	●
	Surround EX (DTS ES Compatible)	●	●	-	-	-	-
	DVD Multi-Channel Audio Compatible (6-ch Inputs & 5 Separate Amps)	●	●	●	●	●	-
	Dolby Pro Logic in Full Digital Processing	●	●	●	●	●	●
	3D-PHONIC	●	●	●	●	-	-
DAP for Multi-Channel Digital Sources	LARGE THEATER/SMALL THEATER/ LARGE HALL 1/LARGE HALL 2/ RECITAL HALL/OPERA HOUSE/CHURCH/ LIVE CLUB/DANCE CLUB/PAVILION	●	●	-	-	-	-
	THEATER 1/THEATER 2/HALL 1/HALL 2/ DANCE CLUB/LIVE CLUB/PAVILION	-	-	●	●	-	-
DAP for 2-Channel Sources	STEREO FILM/MONO FILM/LARGE THEATER/SMALL THEATER/LARGE HALL 1/LARGE HALL 2/RECITAL HALL/OPERA HOUSE/CHURCH/LIVE CLUB/DANCE CLUB/PAVILION	●	●	-	-	-	-
	THEATER 1/THEATER 2/HALL 1/HALL 2/ DANCE CLUB/LIVE CLUB/PAVILION	-	-	●	●	-	-
	THEATER/HALL/DANCE CLUB/ LIVE CLUB/PAVILION	-	-	-	-	●	●
Headphone		●	●	●	●	●	●
All-Channel Stereo		●	●	●	●	-	-
P.E.M. D.D. Converter		192kHz/24-bit, 7.1-ch	192kHz/24-bit, 7.1-ch	-	-	-	-
CC Converter		● 7.1-ch	● Main-ch	-	-	-	-

INPUT/OUTPUT

◆: Assignable
❑: Initial Settings (Default)
☆: Gold-Plated

			RX-DP10VBK						RX-DP9VBK						RX-9010VBK						RX-8010VBK						RX-7010VBK						RX-6010VBK					
			Audio			Video			Audio			Video			Audio			Video			Audio			Video			Audio			Video			Audio			Video		
			Analog	Digital		Compo-site	S-Video	Compo-nent	Analog	Digital		Compo-site	S-Video	Compo-nent	Analog	Digital		Compo-site	S-Video	Compo-nent	Analog	Digital		Compo-site	S-Video	Compo-nent	Analog	Digital		Compo-site	S-Video	Analog	Digital		Compo-site	S-Video	
				Optical	Coaxial					Optical	Coaxial					Optical	Coaxial					Optical	Coaxial					Optical	Coaxial					Optical	Coaxial			
PHONO		IN	☆ MM	-	-	-	-	-	● MM	-	-	-	-	-	● MM	-	-	-	-	-	● MM	-	-	-	-	-	● MM	-	-	-	-	-	-	-	-	-	-	-
TV SOUND/DBS (TV SOUND)		IN	☆	❑	◆	☆	☆	◆	●	❑	◆	●	●	◆	●	❑	◆	●	●	●	●	❑	◆	●	●	●	●	❑	◆	●	●	●	◆	◆	-	-
CD		IN	☆	❑	◆	-	-	-	●	❑	◆	-	-	-	●	❑	◆	-	-	-	●	❑	◆	-	-	-	●	❑	◆	-	-	●	❑	◆	-	-
TAPE/MD (TAPE/CDR)		IN/OUT	☆/☆	❑/-	◆/-	-	-	-	●/●	◆/-	◆/-	-	-	-	●/●	◆/-	◆/-	-	-	-	●/●	◆/-	◆/-	-	-	-	●/●	❑/-	◆/-	-	-	●/●	◆/-	◆/-	-	-
CDR		IN/OUT	☆/☆	❑/-	◆/-	-	-	-	●/●	❑/-	◆/-	-	-	-	●/●	❑/-	-	-	-	-	●/●	❑/-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TAPE		IN/OUT	-/-	-/-	-/-	-	-	-	-/-	-/-	-/-	-	-	-	-/-	-/-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Audio (Front)		IN	-	-	-	-	-	-	-	-	-	-	-	-	-	USB	-	-	-	-	-	USB	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VCR (1)		IN/OUT	☆/☆	◆/-	◆/-	☆/☆	☆/☆	◆/-	●/●	-/-	-/-	●/●	●/●	◆/-	●/●	-	-	●/●	●/●	-	●/●	-	-	●/●	●/●	-	●/●	-	-	●/●	●/●	●/●	●/●	-	-	●/●	-
VCR 2		IN/OUT	☆/☆	-/-	-/-	☆/☆	☆/☆	-	●/●	-/-	-/-	●/●	●/●	-	●/●	-	-	●/●	●/●	-	●/●	-	-	●/●	●/●	-	-	-	-	-	-	-	-	-	-	-	-
DVD		IN	☆ Multi	◆	☆❑	☆	☆	☆❑	● Multi	◆	❑	●	●	❑	● Multi	◆	❑	●	●	●	● Multi	◆	❑	●	●	●	● Multi	◆	❑	●	●	● 2 ch	◆	❑	●	-
VIDEO (Front)		IN	☆	-	-	☆	☆	-	☆	-	-	☆	☆	-	☆	-	-	☆	☆	-	☆	-	-	☆	☆	-	-	-	-	-	-	-	-	-	-	-	-
MONITOR		OUT	-	●	-	☆	☆	☆	-	●	-	●	●	●	-	●	-	●	●	●	-	●	-	●	●	●	-	●	-	●	●	-	-	-	●	-
Total Number of Inputs			9	4	1	5	5	2	9	3	1	5	5	2	9	3+1	1	5	5	2	9	3+1	1	5	5	2	6	3	1	3	3	5	1	1	2	-
Total Number of Outputs			4	1	-	3	3	1	4	1	-	3	3	1	4	1	-	3	3	1	4	1	-	3	3	1	2	1	-	2	2	2	-	-	2	-
Pre-Out	Main		☆	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Center		☆	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Surround		☆	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Surround Back		☆	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Subwoofer		☆	-	-	-	-	-	●	-	-	-	-	-	●	-	-	-	-	-	●	-	-	-	-	-	●	-	-	-	-	●	-	-	-	-
	Sub Room (Main ch)		☆	-	-	-	-	-	-	-	-	-	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Speaker Terminals	Main L/R 1		★						★						★						★						★					●				
★: Banana-Plug	Main L/R 2		★/Subroom						★						★/Subroom						★						●					-				
	Center		★						★						★						★						★					●				
	Surround		★						★						★						★						★					●				
	Surround Back		★						-						-						-						-					-				

FUNCTIONS

		RX-DP10VBK	RX-DP9VBK	RX-9010VBK	RX-8010VBK	RX-7010VBK	RX-6010VBK
On-Screen Display (Component Video Capable)		Monochrome	Monochrome	Monochrome	Monochrome	-	-
Fluorescent Display		●	●	●	●	●	●
	Dot-Matrix Display	●	●	●	●	-	-
Velocity-Sensitive Rotary Encoder Volume Control		●	●	●	●	●	●
One-Touch Operation		●	●	●	●	-	-
Equalizer	Type	DSP Digital Parametric	DSP Digital Parametric	DSP Digital	DSP Digital	-	-
	Control Level	Main/Center/Surround/ Surround Back ch Bass: 63-1kHz, 1/3 Oct. Step Mid: 250-4kHz, 1/3 Oct. Step Treble: 1k-16kHz, 1/3 Oct. Step, ±6dB, 1dB Step	Main/Center/Surround/ Surround Back ch Bass: 63-1kHz, 1/3 Oct. Step Mid: 250-4kHz, 1/3 Oct. Step Treble: 1k-16kHz, 1/3 Oct. Step, ±6dB, 1dB Step	Main/Center ch Main ch: 63/250/1k/4k/16kHz ±8dB, 2dB Step Center ch: 2.5kHz ±6dB, 3dB Step	Main/Center ch Main ch: 63/250/1k/4k/16kHz ±8dB, 2dB Step Center ch: 2.5kHz ±6dB, 3dB Step	-	-
	Memory (Manual)	● (For Each Source)	● (For Each Source)	● (For Each Source)	● (For Each Source)	-	-
Tone Control	Bass	-	-	-	-	●	●
	Treble	-	-	-	-	●	●
Multi-Room, Multi-Source		●	-	●	-	-	-
Sound Select		●	●	-	-	-	-
Line Direct		●	●	●	●	-	-
Midnight Mode		●	●	●	●	-	-
Bass Boost		-	-	●	●	●	-
Balance		●	●	●	●	●	●

TUNER

	RX-DP10VBK	RX-DP9VBK	RX-9010VBK	RX-8010VBK	RX-7010VBK	RX-6010VBK
Number of Presets	15 AM and 30 FM	15 AM and 30 FM	15 AM and 30 FM	15 AM and 30 FM	15 AM and 30 FM	15 AM and 30 FM

MISCELLANEOUS

	RX-DP10VBK	RX-DP9VBK	RX-9010VBK	RX-8010VBK	RX-7010VBK	RX-6010VBK
4-Ohm Capability	●	●	●	●	-	-
High-Rigidity Z-Chassis	●	●	●	●	●	●
TEXT COMPU LINK	●	●	●	●	-	-
Enhanced COMPU LINK Control System	●	●	●	●	●	●
AV COMPU LINK	●	●	●	●	●	-
Remote Control Unit	RF Multi-Brand A/V-DBS-CATV, Illuminated LCD (Back Light), Learning	Multi-Brand A/V-DBS-CATV, LCD	RF Multi-Brand A/V-DBS-CATV, LCD	Multi-Brand A/V-DBS-CATV, LCD	Multi-Brand A/V-DBS-CATV, LCD	A/V Remote

CD Recorders

			XL-R5010BK	XL-R2010BK	XL-R910SL
Type			3-CD + 1-CD-R/RW	1-CD + 1-CD-R/RW	1-CD/CD-R/RW
CD PLAYER SECTION					
Play & Exchange System			●	-	-
Playable Media	CD		●	●	●
	CD-R/RW for Music (Finalized/Unfinalized)		●	●	●
Continuous Play			●	-	-
Smart Random Play			●	●	●
Program Play			●	●	●
Number of Programs			32	32	30
Repeat Play			●	●	●
Search (Track/Manual/Direct)			●	●	●
Pitch Control (±12%)			●	●	-
Tray Lock			●	●	-
CD-R/RW SECTION					
Sampling Rate Converter (32kHz/48kHz)			●	●	-
REC Source	CD (Digital/Analog)		●	●	-
	Line (Digital/Analog)		●	●	●
	Mic (Analog)		●	●	-
Mix and Record (CD with Line/Line with Mic/Mic with CD)			●	●	-
Rec Level Control (Analog In)			●	●	●
Fade In/Out (Rec)			Manual	Manual	-
Auto Rec Mute			●	●	-
Synchro Rec	Digital All Tracks		●	●	●
	Digital 1 Track		●	●	●
	Analog All Tracks		●	●	-
CD to CD-R/RW Synchro Rec	High-Speed Dubbing		CD-R: 4x CD-RW: 2x	CD-R: 4x CD-RW: 2x	-
	One-Touch Rec	1-Disc Rec	●	●	-
		1-Track Rec	●	●	-
	Edit Rec	Listening	●	●	-
		Program	●	●	-
Finalize (CD-R: 4x/CD-RW: 2x)			Manual/Auto	Manual/Auto	Manual (2x)
Unfinalize (CD-RW Only)			Manual (2x)	Manual (2x)	Manual (2x)
Erase (Last Single Track/Last Multiple Tracks/All Tracks)			2x	2x	2x
Track Skip Write			●	●	-
OPC/Running OPC			●	●	●
Auto/Manual Track Marking			●	●	●
Tray Lock			●	●	-
GENERAL					
K2 Interface			●	-	-
Programmable Timer (Daily Play/Rec, Once Play/Rec)			●	-	-
Mic Input			●	●	-
Line Input/Output			●	●	●
Headphone Output			●	●	-
Optical Digital Input/Output			●	●	●
Coaxial Digital Input/Output			●	●	● (Output)
Mixing Balance			●	●	-
Remote Control Unit			●	●	●
Enhanced COMPU LINK Control System			●	●	-

CD Changers

		XL-FZ258BK	XL-FZ158BK
MECHANISM/SERVO			
Type		5-Disc, Carousel	5-Disc, Carousel
DIGITAL FEATURES			
8-Times Oversampling Digital Filter		●	●
1-Bit Dual D/A Converter		●	●
	P.E.M. D.D. Converter	●	●
REMOTE CONTROL			
Included		●	
Disc Keys		●	
Numeric Keys		●	
FUNCTIONS			
Play Mode	Continue	●	●
	Program	●	●
	Smart Random	●	●
Number of Programs		32	32
Number of Program Chart Tracks		20	20
Disc Keys		5	5
Numeric Keys		●	-
Repeat	All Discs/Single Track	●	●
	Program Repeat	●	●
Search (Auto/Manual)		●	●
MISCELLANEOUS			
Optical Digital Output		●	●
Headphone Output with Volume		●	●
Enhanced COMPU LINK Control System		●	●

Mega CD Changers

		XL-MC2000BK	XL-MC334BK
MECAHNISM/SERVO			
Type		200-Disc 1-Chassis	200-Disc 1-Chassis
Play & Exchange System (Up to 25 Discs)		●	●
Electric CD Door		●	●
DIGITAL FEATURES			
1-Bit Dual D/A Converter		●	●
	P.E.M. D.D. Converter	-	●
8-Times Oversampling Digital Filter		●	●
REMOTE CONTROL			
Included		●	●
Numeric Keys		●	●
FUNCTIONS			
Play Mode	Continue	●	●
	Program	●	●
	Random from 200 Discs	●	●
	Intro	●	●
	User File	-	●
CD TEXT		-	●
Title Memory (Up to 200 Discs)	Disc Title	-	Up to 32 Characters
	Performer	-	Up to 32 Characters
Genre Memory (Up to 200 Discs)		-	Select from 27 Patterns
8 User Files (Up to 32 Discs per File)		-	●
Search	Disc Title	-	●
	Performer	-	●
	Genre	-	●
Number of Programs (From 200 Discs)		32	32
Number of Program Chart Tracks		20	20
Multi Jog Dial		●	●
MISCELLANEOUS			
Optical Digital Output		●	●
CD Booklet File		●	●
TEXT COMPU LINK		-	●
Enhanced COMPU LINK Control System		●	●

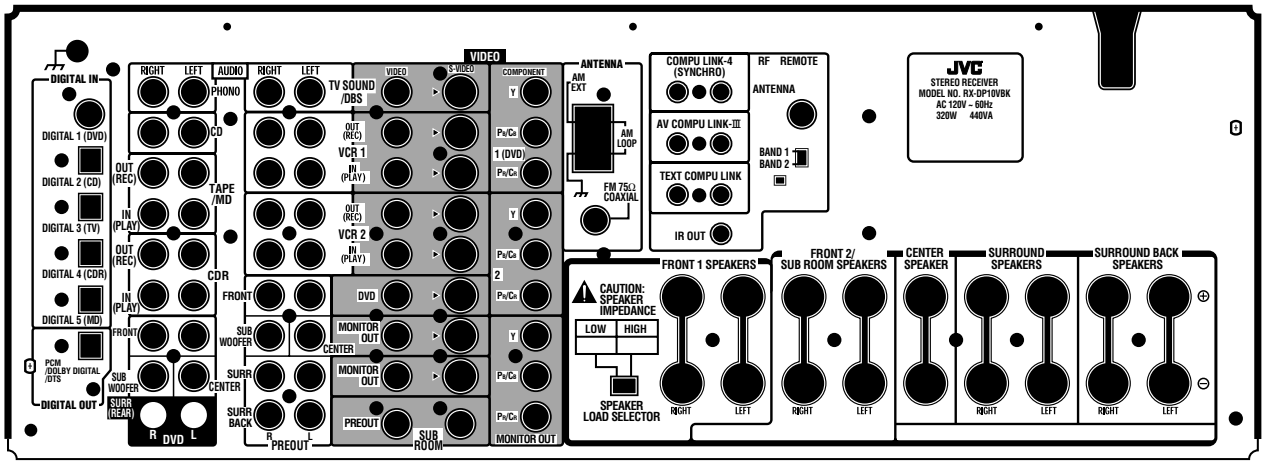
Double Cassette Decks

		TD-W354BK	TD-W254BK
MECHANISM			
Deck A	Record/Play	-	-
	Auto Reverse	●	●
Deck B	Record/Play	●	●
	Auto Reverse	●	●
Full-Logic Silent Mechanism		●	●
Cassette Shell Stabilizer		●	-
CIRCUITRY			
Dolby HX Pro		●	●
Dolby B/C Noise Reduction		●	●
Pitch Control		● (Deck A)	-
Mic Input		●	-
	Mixing Level Control	●	-
DISPLAY			
Fluorescent Display Panel		●	●
Dual Digital Counters		●	●
Direction Indicator		●	●
FUNCTIONS			
COMPU CALIBRATION		●	-
High-Speed Editing		●	●
Multi Music Scan (Deck A/B)		●	-
DDRP		●	●
Auto Tape Selector (Deck A/B)		●	●
Full Auto Stop		●	●
MISCELLANEOUS			
Headphone Output		●	●
Enhanced COMPU LINK Control System		●	●

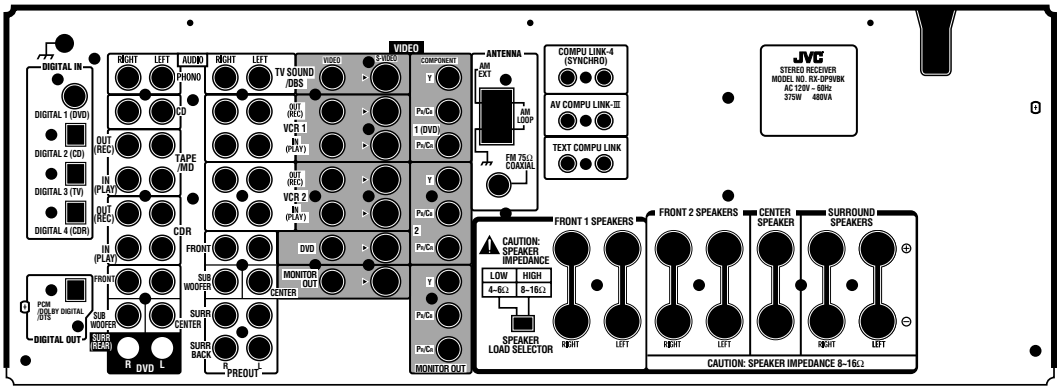
DVD Players		XV-FA95GD/FA90BK	XV-F85GD/F80BK	XV-SA75GD/SA70BK	XV-S65GD/S60BK	XV-M50BK	XV-S45GD/S40BK
MECHANISM/SERVO							
Type		7-Disc Carousel, Play & Exchange	7-Disc Carousel, Play & Exchange	Single	Single	3-Disc Triple-Tray, Play & Exchange	Single
Playable Formats	DVD-Audio	●	-	●	-	-	-
	DVD-Video	●	●	●	●	●	●
	CD	●	●	●	●	●	●
	VCD	●	●	●	●	●	●
	CD-R/RW	●	●	●	●	●	●
	MP3	●	●	●	●	-	-
AUDIO							
Audio D/A Converter (P.E.M. D.D. Converter)		24-bit/192kHz	24-bit/96kHz	24-bit/192kHz	24-bit/96kHz	24-bit/96kHz	24-bit/96kHz
Dolby Digital/DTS Decoder Built-in		●	-	●	-	-	-
Dolby Digital/DTS Digital Out		●	●	●	●	●	●
3D-PHONIC		●	●	●	●	●	●
VIDEO							
Video Out	Progressive Scan Out	●	●	●	●	-	-
Video D/A Converter		10-bit/54MHz	10-bit/54MHz	10-bit/54MHz	10-bit/54MHz	10-bit/27MHz	10-bit/27MHz
VFP (Video Fine Processor)	Number of Parameters	7	7	7	7	-	-
	Number of Presets (Presets 2/Manual 2)	●	●	●	●	-	-
THEATER Position: Number of Steps		3	3	3	3	3	3
Variable Search (Forward/Reverse)		●	●	●	●	●	●
Variable Slow (Forward/Reverse)		●	●	●	●	●	●
RESUME (Bookmark) Function		●	●	●	●	●	●
DIGEST Play (9 Pictures)		●	●	●	●	●	●
STROBE Play (9 Pictures)		●	●	●	●	●	●
ANGLE LIST (9 Angles)		●	●	●	●	●	●
ZOOM Play		● (13 steps)	● (13 steps)	● (13 steps)	● (13 steps)	●	●
TERMINALS							
Video Out	Component	●	●	●	●	●	●
	S-Video	●	●	●	●	●	●
	Composite	●	●	●	●	●	●
Audio Out	Front L/R	●	●	●	●	●	●
	Centre, Rear L/R, Subwoofer	●	-	●	-	-	-
	Optical Digital Out	●	●	●	●	●	●
	Coaxial Digital Out	●	●	●	●	●	●
AV COMPU LINK		●	●	●	●	●	●
GENERAL							
On-Screen Display	New GUI (Graphical User Interface)	●	●	●	●	-	-
	On-Screen Language	Eng./Fre./Spa.	Eng./Fre./Spa.	Eng./Fre./Spa.	Eng./Fre./Spa.	Eng./Fre./Spa.	Eng./Fre./Spa.
	Bit-Rate Indicator (Video: Green/Audio: Yellow)	●	●	●	●	Numerical	Numerical
	Language Indicator	●	●	●	●	●	●
	Screen Saver (Number of Modes)	● (2)	● (2)	● (2)	● (2)	● (2)	● (2)
Remote		●	●	●	●	●	●
	Multi-Brand	●	●	●	●	●	-

Receiver Rear Panels

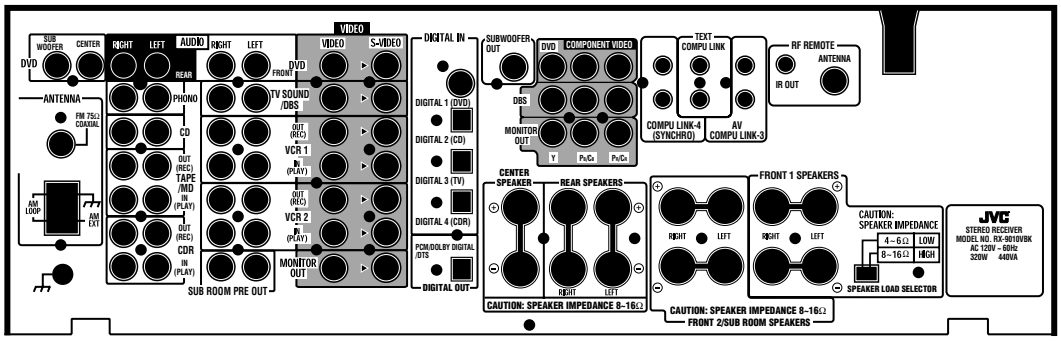
RX-DP10VBK



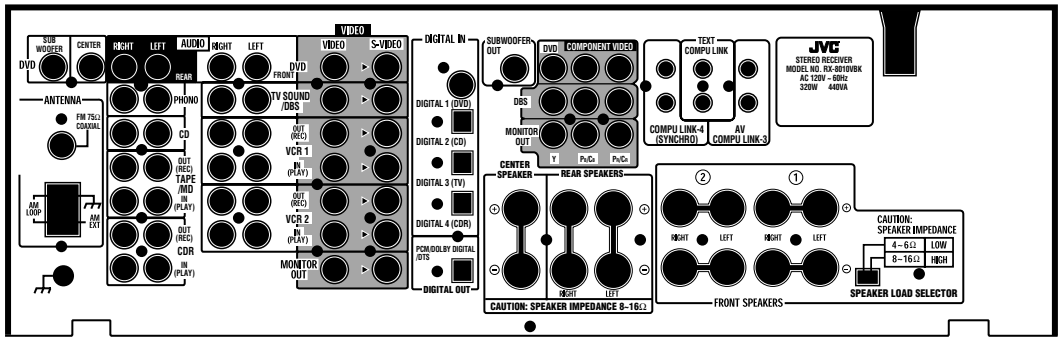
RX-DP9VBK



RX-9010VBK



RX-8010VBK



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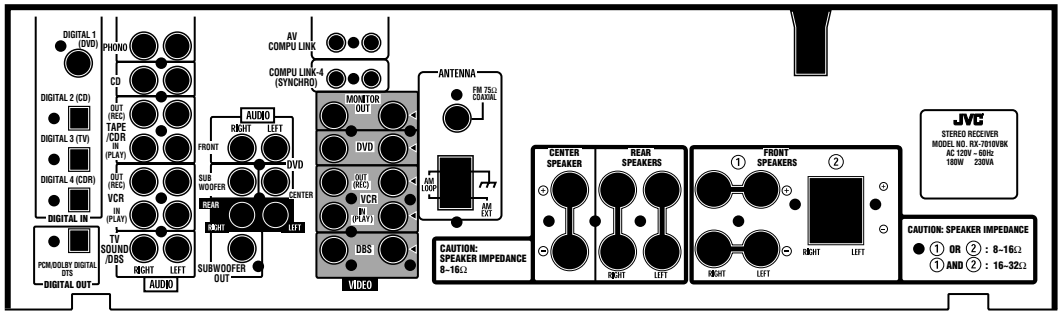
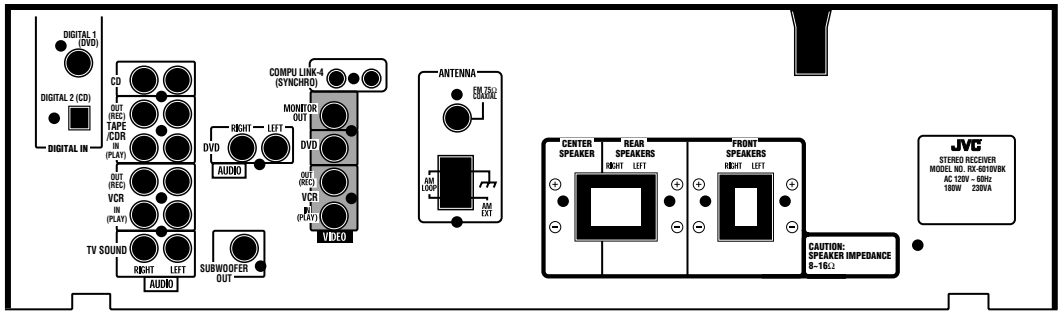


RX-6010VBK



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