

# JVC

HI-FI  
COMPONENTS

ABRAHAM BURTON QUARTET at the 1988 JVC International Jazz Festival

We Bring the Music to You

LECT



# A U D I O / V I D E O C O N T

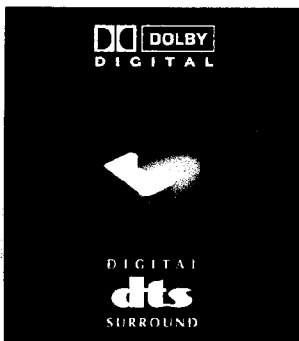
Home entertainment has never been so versatile and full of possibilities. With Dolby Digital, DTS and DVD at your command, you can experience the realistic sense of a movie theater as well as a concert hall, right in your living room.



## Dolby Digital receivers (RX-1028VBK/RX-888VBK/ RX-778VBK)

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, so you can enjoy Dolby Digital, one of the most advanced home theater sound systems available. Dolby Digital, with five full-range channels and a subwoofer channel, lets you enjoy the most spectacular theater sound at home when you view movies on DVD.

The RX-1028VBK, RX-888VBK and RX-778VBK are JVC's Dolby Digital receivers, complete with a Dolby Digital decoder, digital inputs, five power amps to drive five channels, and a subwoofer output for special effects.



## Compatible with DTS Digital Surround

The RX-1028VBK and RX-888VBK are compatible with DTS as well: each is equipped with a built-in DTS decoder. DTS Digital Surround is the latest digital movie soundtrack format that delivers 5.1-channel audio like Dolby Digital. Using a low audio-data compression rate, it features natural, solid and clear sound. JVC makes it easy to upgrade your home theater to DTS Digital Surround with a line of DVD players with DTS Digital Out as well as DTS-equipped receivers.

## Dolby Digital ready with 5.1-channel analog input and five amps (RX-1028VBK/ RX-888VBK/RX-668VBK/ RX-558VBK)

The 5.1-channel analog input accepts the analog output from a Dolby Digital decoder, while built-in amps handle all channels except for the subwoofer channel. This means you easily can add on a decoder to upgrade the RX-668VBK and RX-558VBK for dynamic home theater sound.

## 24-bit Motorola DSP (RX-1028VBK/RX-888VBK/ RX-778VBK)

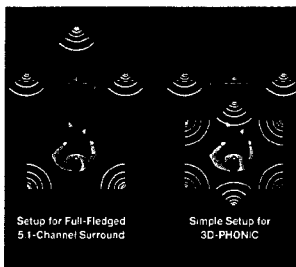
A 24-bit Motorola DSP chip (DSP56362), known for its wide range and sonic accuracy, is responsible for Dolby Digital, DTS, Dolby Pro Logic, 3D-PHONIC and Digital Acoustics Processing (DAP). The encoded format of an audio input is automatically detected and correctly decoded. The JVC DAP incorporates the data of field-measured reverberations and other parameters of famous halls and concert halls for the most realistic simulation of music venues possible.



Field-Measured Data of a Music Venue

## 3D-PHONIC

It takes just two front speakers to enjoy 3-dimensional surround sound—with 3D-PHONIC from JVC, a radically new approach to home theater sound. Dialog is fixed on the TV screen as a virtual sound source, while the surround signals are mixed with the front signals for playback on the two front speakers. You don't even need to run cables for surround speakers across your listening room. JVC 3D-PHONIC boasts possibly the highest sound quality among "Virtual Dolby" decoders currently on the market. 3D-PHONIC works with both 5.1-channel Dolby Digital signals and 2-channel stereo signals encoded in Dolby Surround.



## Advanced engineering and high-quality parts (RX-1028VBK/RX-888VBK)

### Large-capacity custom electrolytic capacitors:

Developed for high musical quality after extensive testing and critical listening.



### High-speed, high-current power transistors: Allow low- impedance driving and high power at 8 and 4 ohms.



### High-speed rectifier diodes: Ensure power to spare in combination with a high- capacity transformer.



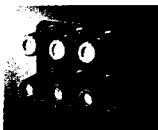
### Optimized signal path and minimal contacts: For accurate signal transmission.

### Advanced Super-A/Dynamic Super-A: Smooth sound reproduction practically free of distortion.

### K2 Interface and 1-bit P.E.M. Converter: Low distortion and natural sound fields from stereo and 5.1-channel sources.

### Banana-plug speaker terminals:

Ensure low-  
distortion signal  
transmission  
even during  
high-level  
reproduction.



### High-rigidity Z-Chassis: Zero vibration, zero resonance and zero interference for the highest fidelity.

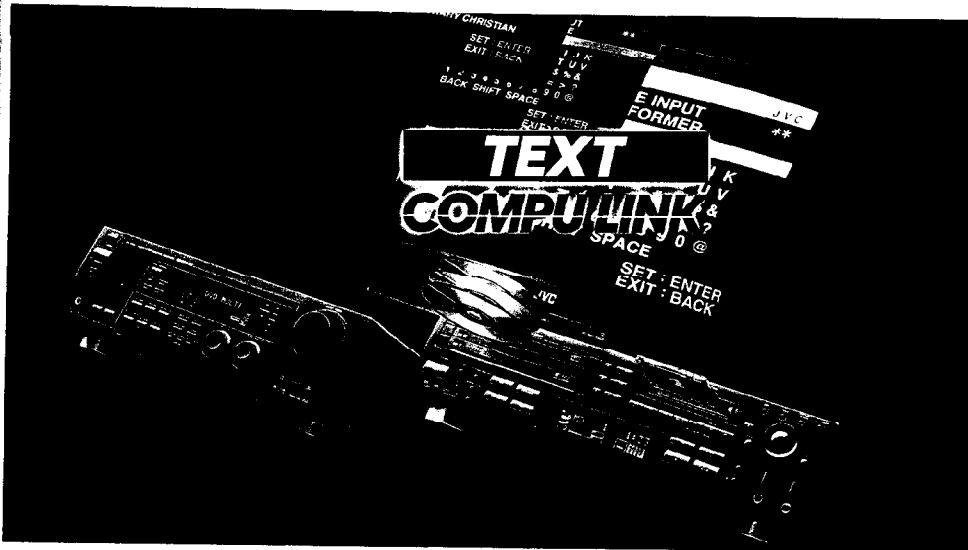
## Digital inputs with assignable function

The RX-1028VBK, RX-888VBK and RX-778VBK are designed to accept and control a number of digital inputs—one coaxial and three optical sources with the RX-1028VBK, for example. Conveniently, you can assign these inputs to any digital source, including DVD, DBS, CD and MD.

## Low-impedance driving capability (RX-1028VBK/ RX-888VBK)

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. Amazingly, the RX-1028VBK and RX-888VBK are capable of delivering the same high stereo power—130W and 120W, respectively—at 8 ohms and 4 ohms, thanks to the high-speed, high-current output transistors, a sophisticated circuit design and an optimized heat sink.

# AUDIO/VIDEO CONTROL RECEIVERS



**Interactive operation through on-screen display. AV COMPU LINK. Multi-brand remote. It's fun and simple to operate a JVC receiver. You'll never get lost on your way to having the best in home entertainment.**

## TEXT COMPU LINK

The more audio/video components you own, the more difficult it is to take advantage of their functions. To resolve this problem, JVC first developed COMPU LINK and later AV COMPU LINK. TEXT COMPU LINK is the third step in this progress. The system is fully compatible with text data carried by new media like MD and CD-Text CD, and transmits the data from component to component.

TEXT COMPU LINK is an integrator that ties together JVC receivers with JVC CD changers, MD recorders and your TV, so that you can enjoy music the easy way. In a nutshell, you choose the track you want to play from a list on the TV screen. You can even give tracks your own titles and search by performer, title or genre.

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 XU-301BK MD-CD combination deck, XL-MC334BK 200-CD mega

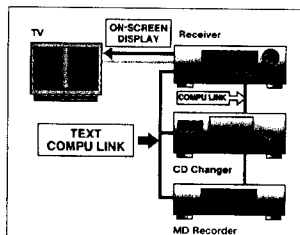
changer or XM-448BK MD recorder, JVC receivers offer you tremendous convenience.

**Title memory:** you can give your own titles to CDs and MDs through the On-Screen Display (OSD) using the remote of a receiver. So you can even give names to CDs without CD Text. JVC's mega changer can store data on titles and performers on up to 200 discs.

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

**Auto text copy:** as you dub music from CD-Text CD to MD, text data is automatically dubbed as well. Since the text data is supplied from the CD changer or MD player through the receiver, it does not take up an extra video input on the TV for on-screen display.

**TEXT DISPLAY key on remote:** A separate TEXT DISPLAY key on the JVC receiver's remote control switches the screen to show text data at a touch.



CD Track Selection



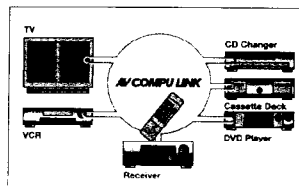
Title Input



Disc Search

## 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.

## Multi-Color On-screen Display

Imagine the convenience and ease of control you would have if you could operate your audio/video system by choosing options from your television screen. That's exactly what happens with the Multi-Color On-Screen Display featured in the RX-1028VBK, RX-888VBK, RX-778VBK and RX-668VBK. As you operate the remote, menus and submenus appear wherever you position the highlighter; you make your choice or change settings using the remote's cursor keys.

## Multi-room/multi-source capability (RX-1028VBK)

The RX-1028VBK is designed to function as a multi-room control center for your home entertainment system so that you can enjoy music anywhere in your home. Thanks to its multi-source capability, it's even possible for two people to listen to different sources in two rooms simultaneously.

## 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.

## AV remote control

The remote control for our receivers operates not only the unit itself, but also JVC CD players, DVD players, cassette decks, and JVC video equipment. With all JVC receivers except for the RX-558VBK, a multi-brand remote is standard: you can recall preprogrammed codes to control video equipment from other makers at a touch. The JVC remote even controls the basic functions of your cable box and DBS system.

# CD/MD PLAYERS & CASSETTE DECKS

**JVC keeps its technological edge in the engineering of component audio and video equipment. CD players and MD recorders combine ease of use and high sound quality through sophisticated digital engineering.**

## CD/MD PLAYERS

### MD-CD combination deck—**XU-301BK**

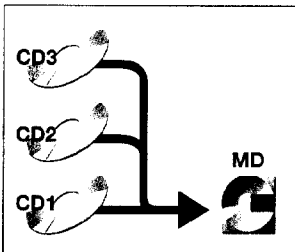
The XU-301BK combines high-quality digital sound with exceptional programming and editing versatility, all thanks to the 3-CD changer and MD combination format. Here are some of the unique functions available only with the JVC 3-CD/MD combination:

**ONE TOUCH REC:** CD-to-MD dubbing takes place at the touch of a button.



### 1ST TRACK REC:

Sequentially records the first tracks of up to three CDs onto an MD.



### MIXED CD/MD

**PROGRAMMING:** Allows you to program and play mixed tracks from 3 CDs and an MD and save three sets of 16 programmed CD/MD tracks each.

### 3 MIX and RECORD

**MODES:** CD with Line, Line with Mic, and Mic with CD.

### 3-mode sampling rate converter

The XU-301BK and XM-448BK let you record any digital source directly to make high-quality digital-to-digital dubs. Three sampling frequencies—32kHz, 44.1kHz and 48kHz—are available so you can record DAT and DBS as well as CDs.

### Direct digital-to-digital recording

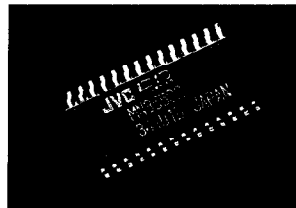
The XU-301BK features a digital input and output, both optical, for connection to external equipment. With the digital input, you can record DBS or dub MDs to make your own anthologies. What's more, our 200-disc changer (XL-MC334BK), 5-disc carousel changers (XL-FZ258BK/

XL-FZ158BK) and single-disc player (XL-Z232BK) are equipped with optical

digital outputs. The combination of a JVC CD player with the XM-448BK MD recorder lets you make direct digital-to-digital recordings of highest purity.

### 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 disc (XL-MC334BK/XL-MC222BK)

JVC offers two extremely convenient and versatile 200-CD mega changers—the

XL-MC334BK and XL-MC222BK. 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.

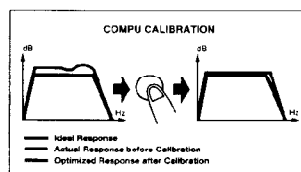
## CASSETTE DECKS

### "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.

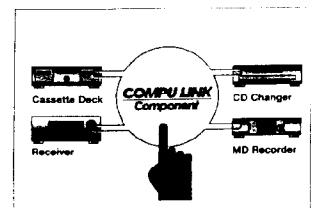


### Enhanced COMPU LINK Control System

Most JVC audio components come with the Enhanced COMPU LINK Control System. Use a JVC CD player, MD deck 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.



# Receivers

## RX-1028VBK

Audio/Video Control Receiver



- ◆ **Stereo:** 130 watts per channel, 8 ohms, 20Hz to 20kHz, with 0.02% THD; 130 watts per channel, 4 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; **(Rear)** 100 watts per channel, 8 ohms, 1kHz, 0.8% THD
- ◆ Dolby Digital/DTS decoders built-in
- ◆ Compatible with Multichannel audio (5.1 channel analog input and 5 separate amps)
- ◆ Multi-room/multi-source capability
- ◆ RF/IR illuminated multi-brand AV-CATV-DBS remote control with TEXT DISPLAY key
- ◆ 6-channel preamp output/Sub Room preamp output (left/right) (gold-plated)
- ◆ Advanced Super-A
- ◆ Banana-plug speaker terminals (all channels)
- ◆ High-rigidity Z-Chassis
- ◆ Optimized signal path and minimal contacts
- ◆ K2 Interface for all 6 channels
- ◆ 1-bit P.E.M. D.D. Converter for all 6 channels
- ◆ 3D-PHONIC
- ◆ Digital Acoustics Processor (DAP), with 4 preset sound fields
- ◆ Multi-Color On-Screen Display
- ◆ One Touch Operation
- ◆ Subwoofer output
- ◆ Center Tone control
- ◆ 3-band electronic S.E.A. equalization with 5 presets and 1 manual setting for each source
- ◆ 5 video inputs: DBS\*, VCR 1, VCR 2, DVD, VIDEO (gold-plated)
- ◆ 4 audio inputs: PHONO, CD, TAPE/MD, TV SOUND\* (gold-plated)
- ◆ 1 coaxial and 3 optical digital inputs with assignable function (DBS, CD, MD, DVD)
- ◆ S-video inputs (4)/outputs (2) (gold-plated)
- ◆ Loudness on/off
- ◆ VIDEO terminals on front (gold-plated)
- ◆ TEXT COMPU LINK
- ◆ AV COMPU LINK
- ◆ 15 AM and 30 FM station memory with character input for each station
- ◆ Auto TV power on
- ◆ Enhanced COMPU LINK Control System

\*DBS and TV SOUND sources cannot be connected at the same time.



# DVD Players

Be sure to couple a JVC receiver with a JVC DVD player, and enjoy the best in audio and video, plus integrated ease of use.

## XV-D701BK



### Video Features

- ◆ High-bit/high-sampling (10-bit/27MHz) video D/A converter
- ◆ Component video, S-video and composite video terminals
- ◆ VFP (Video Fine Processor) for fine picture adjustment

### Audio Features

- ◆ Built-in Dolby Digital decoder ◆ DTS Digital Out ◆ K2 Interface
- ◆ 1-bit P.E.M. D.D. Converter with 96kHz/24-bit audio resolution ◆ Optical and coaxial digital outputs

### Convenience and Versatility

- ◆ Multi-brand remote with joystick control ◆ "Illumi-Guide" Control
- ◆ GUI (Graphical User Interface) through on-screen display
- ◆ "Digest", "Zoom" and "Strobe" functions ◆ Coordinated home theater look ◆ AV COMPU LINK

## XV-501BK



### Video Features

- ◆ High-bit/high-sampling (10-bit/27MHz) video D/A converter
- ◆ Component video, S-video and composite video terminals
- ◆ VFP (Video Fine Processor) for fine picture adjustment

### Audio Features

- ◆ 1-bit P.E.M. D.D. Converter with 96kHz/24-bit audio resolution
- ◆ DTS Digital Out ◆ Optical Digital Output

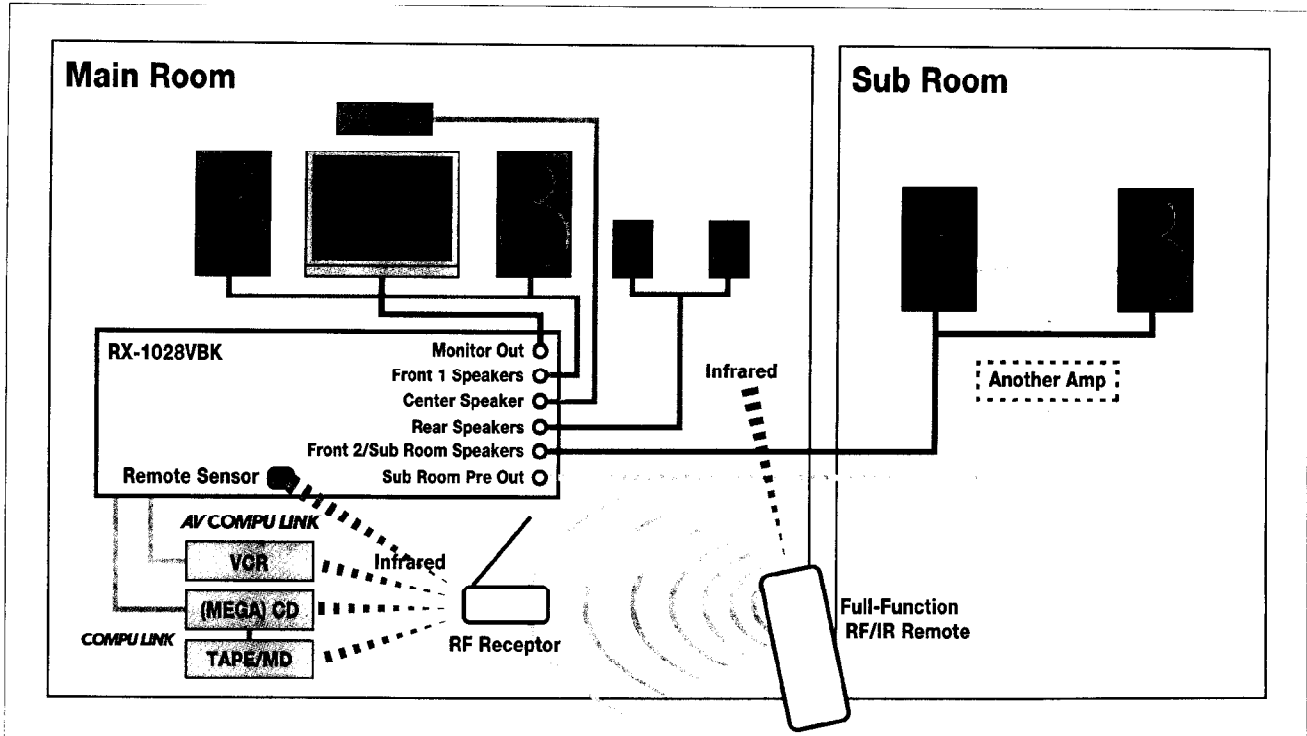
### Convenience and Versatility

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- ◆ GUI (Graphical User Interface) through on-screen display
- ◆ "Digest", "Zoom" and "Strobe" functions ◆ Coordinated home theater look ◆ AV COMPU LINK

# Multi-room/multi-source capability (RX-1028VBK): Extend audio enjoyment throughout your home



The RX-1028VBK lets you enjoy music anywhere in your home through the audio/video system set up in your living room. Its multi-room/multi-source capability allows two people to enjoy different 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

The RX-1028VBK can supply two sets of stereo signals simultaneously to two sets of speakers in different locations—one set in the Main Room and the other in the Sub Room. To enjoy this advantage, just install the second set of speakers in the Sub Room and make the necessary connections.

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

Install an outboard amplifier in the Sub Room and connect additional stereo speakers. The arrangement allows you to enjoy 5.1-channel

surround in the Main Room and 2-channel stereo in the Sub Room at the same time.

### RF/IR illuminated multi-brand remote control for operation from anywhere in your home

The remote control sends out not only IR (infrared) but also RF (radio frequency) signals as coded commands to control the receiver. With the remote in hand, you can operate the RX-1028VBK and other JVC audio/video equipment even when you're not in the same room.



RF/IR Illuminated Multi-Brand Remote Control Unit and RF Receptor (included)

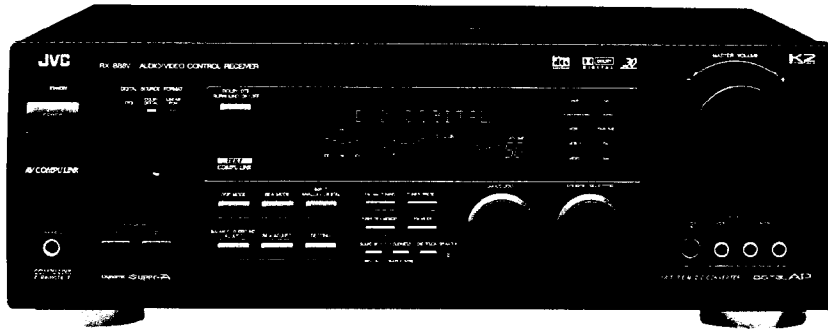
## RX-88VBK

Audio/Video Control Receiver



AV COMPU LINK

TEXT  
COMPU LINK



- ◆ **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, 1kHz, 0.8% THD; **(Center)** 100 watts, 8 ohms, 1kHz, 0.8% THD; **(Rear)** 100 watts per channel, 8 ohms, 1kHz, 0.8% THD
- ◆ Dolby Digital/DTS decoders built-in
- ◆ Compatible with Multichannel audio (5.1-channel analog input and 5 separate amps)
- ◆ Dynamic Super-A
- ◆ Banana-plug speaker terminals (all channels)
- ◆ High-rigidity Z-Chassis
- ◆ Optimized signal path and minimal contacts
- ◆ K2 Interface for all 6 channels
- ◆ 1-bit P.E.M. D.D. Converter for all 6 channels
- ◆ 3D-PHONIC
- ◆ Digital Acoustics Processor (DAP), with 4 preset sound fields
- ◆ Multi-Color On-Screen Display
- ◆ Multi-brand AV-CATV-DBS remote control with TEXT DISPLAY key
- ◆ One Touch Operation
- ◆ Subwoofer output
- ◆ Center Tone control
- ◆ 3-band electronic S.E.A. equalization with 5 presets and 1 manual setting for each source
- ◆ 5 video inputs: DBS\*, VCR 1, VCR 2, DVD, VIDEO
- ◆ 4 audio inputs: PHONO, CD, TAPE/MD, TV SOUND\*
- ◆ 1 coaxial and 2 optical digital inputs with assignable function (DBS, CD, MD, DVD)
- ◆ S-video inputs (4)/outputs (2)
- ◆ Loudness on/off
- ◆ VIDEO terminals on front (gold-plated)
- ◆ TEXT COMPU LINK
- ◆ AV COMPU LINK
- ◆ 15 AM and 30 FM station memory with character input for each station
- ◆ Enhanced COMPU LINK Control System

\*DBS and TV SOUND sources cannot be connected at the same time.

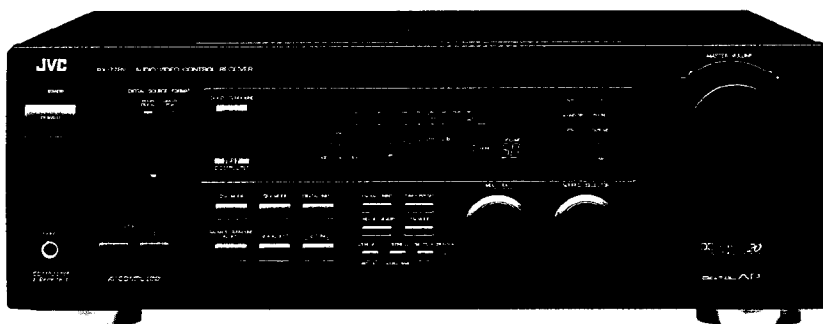
## RX-77VBK

Audio/Video Control Receiver



AV COMPU LINK

TEXT  
COMPU LINK



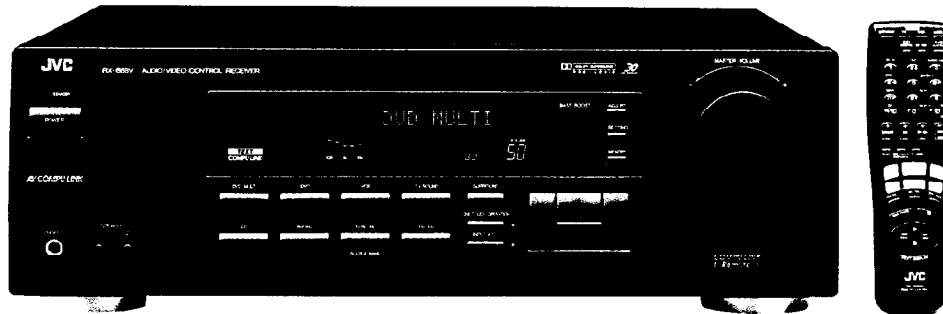
- ◆ **Stereo:** 110 watts per channel, 8 ohms, 20Hz to 20kHz, with 0.06% THD; **Surround: (Front)** 100 watts per channel, 8 ohms, 1kHz, 0.8% THD; **(Center)** 100 watts, 8 ohms, 1kHz, 0.8% THD; **(Rear)** 100 watts per channel, 8 ohms, 1kHz, 0.8% THD
- ◆ Dolby Digital decoder built-in
- ◆ Banana-plug speaker terminals (front left/right [1/2])
- ◆ High-rigidity Z-Chassis
- ◆ 3D-PHONIC
- ◆ Digital Acoustics Processor (DAP), with 4 preset sound fields
- ◆ Multi-Color On-Screen Display
- ◆ Multi-brand AV-CATV-DBS remote control with TEXT DISPLAY key
- ◆ One Touch Operation
- ◆ Subwoofer output
- ◆ 3-band electronic S.E.A. equalization with 5 presets and 1 manual setting for each source
- ◆ 3 video inputs: VCR, DVD, DBS\*
- ◆ 4 audio inputs: PHONO, CD, TAPE/MD, TV SOUND\*
- ◆ 2 optical digital inputs with assignable function (DBS, CD, MD, DVD)
- ◆ S-video input/output
- ◆ Loudness on/off
- ◆ TEXT COMPU LINK
- ◆ AV COMPU LINK
- ◆ 15 AM and 30 FM station memory with character input for each station
- ◆ Enhanced COMPU LINK Control System

\*DBS and TV SOUND sources cannot be connected at the same time.



## RX-663VBK

Audio/Video Control Receiver



### Dolby Digital Ready



AV COMPU LINK

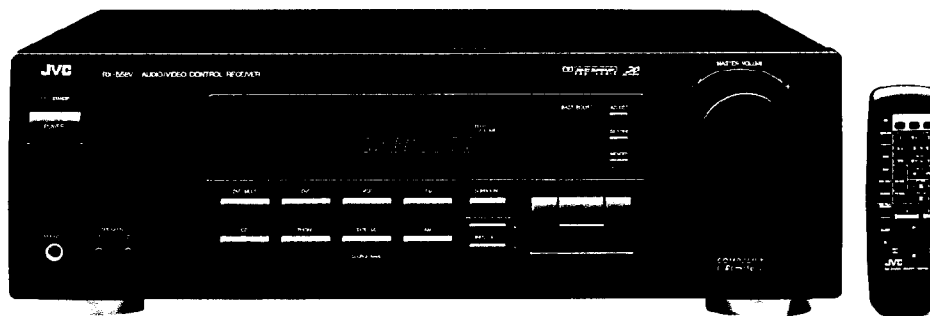
TEXT  
COMPU LINK



- ◆ **Stereo:** 100 watts per channel, 8 ohms, 40Hz to 20kHz, with 0.0% THD;
- ◆ **Surround: (Front)** 100 watts per channel, 8 ohms, 1kHz, 0.8% THD; **(Center)** 100 watts, 8 ohms, 1kHz, 0.8% THD; **(Rear)** 100 watts per channel, 8 ohms, 1kHz, 0.8% THD
- ◆ Dolby Digital ready: 5.1-channel analog input and 5 separate amps
- ◆ Dolby Pro Logic in full digital processing (discrete amplifiers)
- ◆ 3D-PHONIC
- ◆ Digital Acoustics Processor (DAP), with 4 preset sound fields
- ◆ Multi-Color On-Screen Display
- ◆ One Touch Operation
- ◆ Subwoofer output
- ◆ Bass and treble tone controls
- ◆ Bass boost
- ◆ Multi brand AV CATV DBS remote control with TEXT DISPLAY key
- ◆ 2 video inputs: VCR, DVD
- ◆ 4 audio inputs: PHONO, TV SOUND, CD, TAPE/MD
- ◆ S-video input/output
- ◆ TEXT COMPU LINK
- ◆ AV COMPU LINK
- ◆ 15 AM and 30 FM station memory
- ◆ Enhanced COMPU LINK Control System

## RX-553VBK

Audio/Video Control Receiver



### Dolby Digital Ready



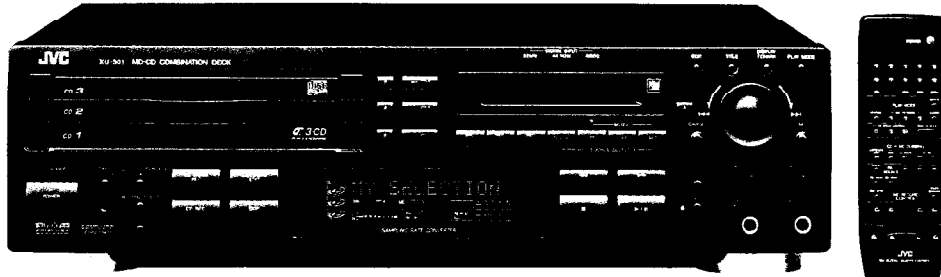
- ◆ **Stereo:** 100 watts per channel, 8 ohms, 40Hz to 20kHz, with 0.8% THD;
- ◆ **Surround: (Front)** 100 watts per channel, 8 ohms, 1kHz, 0.8% THD; **(Center)** 100 watts, 8 ohms, 1kHz, 0.8% THD; **(Rear)** 50 watts per channel, 8 ohms, 1kHz, 0.8% THD
- ◆ Dolby Digital ready: 5.1-channel analog input and 5 separate amps
- ◆ Dolby Pro Logic in full digital processing (discrete amplifiers)
- ◆ 3D-PHONIC
- ◆ Digital Acoustics Processor (DAP), with 4 preset sound fields
- ◆ One Touch Operation
- ◆ Subwoofer output
- ◆ Bass and treble tone controls
- ◆ Bass boost
- ◆ AV remote control
- ◆ 2 video inputs: VCR, DVD
- ◆ 3 audio inputs: PHONO, CD, TAPE/MD
- ◆ 15 AM and 30 FM station memory
- ◆ Enhanced COMPU LINK Control System

# CD / MD Players

## XU-301BK

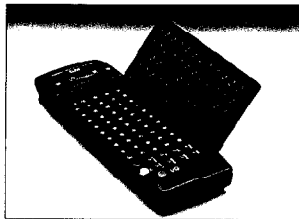
MD-CD Combination Deck

*JVC MD Style*



**TEXT  
COMPU LINK**

**CD TEXT**



### 3-CD Triple-Tray Changer

- ◆ 3 independent trays, with Play & Exchange System
- ◆ 1 bit D/A converter
- ◆ CD Text
- ◆ Title memory (Disc title/performer name; up to 32 characters per title or name/200 CDs)
- ◆ Genre memory for 27 patterns
- ◆ 3-disc smart random play/continuous play
- ◆ Pitch control

### MD Recorder

- ◆ 1-bit D/A and A/D converters
- ◆ 5-mode MD edit functions (Divide/Join/Move/Erase/All Erase)
- ◆ Smart Random/repeat play
- ◆ Sampling rate converter (32kHz/44.1kHz/48kHz)
- ◆ Mix and record: CD with Line, Line with Mic, Mic with CD
- ◆ Auto/manual track marking

### General

- ◆ Mixed CD/MD program play: 16 steps x 3 patterns
- ◆ CD-to-MD Synchron Rec. One-touch and 1st track rec
- ◆ TEXT COMPU LINK
- ◆ Timer (Daily Play/Rec and "Once" Play/Rec)
- ◆ Listening edit
- ◆ Enhanced COMPU LINK Control System
- ◆ 20-track program chart
- ◆ Mic input
- ◆ LINE input/output
- ◆ Optical digital input/output
- ◆ Full-function keyboard remote control with title input function

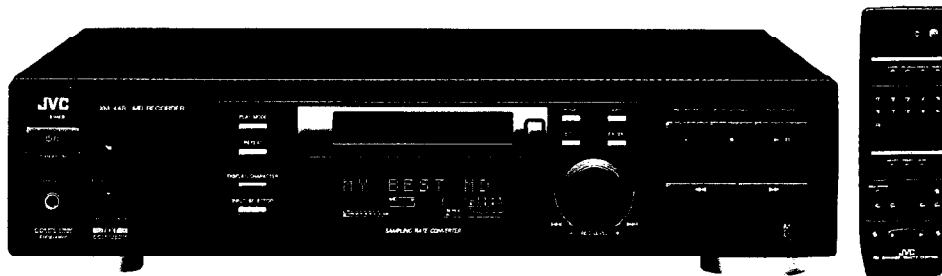
### Full-Function Keyboard Remote

The remotes for the XU-301BK and XM-440BK are uniquely convenient: they come with a computer keyboard concealed beneath the flip-up control panel.

## XM-440BK

MD Recorder

*JVC MD Style*



**TEXT  
COMPU LINK**

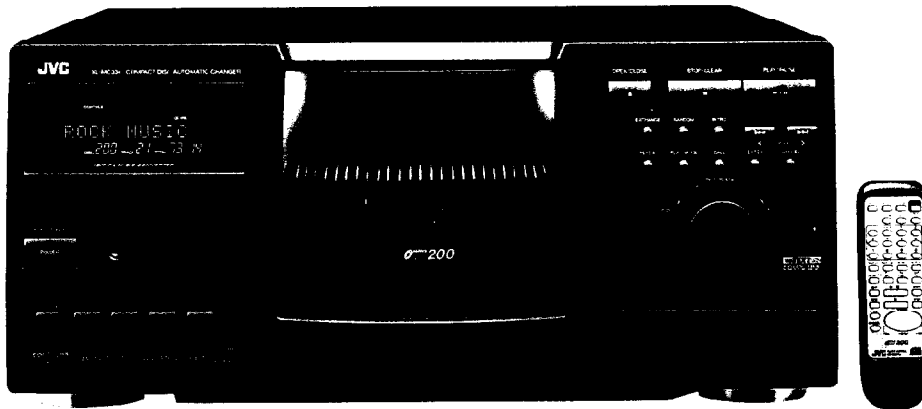
- ◆ Title input during recording or playback
- ◆ 1-bit D/A and A/D converters
- ◆ 5-mode MD edit functions (Divide/Join/Move/Erase/All Erase)
- ◆ Sampling rate converter (32kHz/44.1kHz/48kHz)

- ◆ Program (32 tracks)/smart random/repeat play
- ◆ Jog dial for easy operation
- ◆ Full-function keyboard remote control with title input function
- ◆ TEXT COMPU LINK
- ◆ Auto/manual track marking
- ◆ 2 optical digital inputs

- ◆ 20-track program chart
- ◆ Fluorescent display control (dimmer and on/off)
- ◆ Headphone output with volume control
- ◆ Enhanced COMPU LINK Control System

## XL-MC3B4BK

200-Disc CD Changer with CD Text



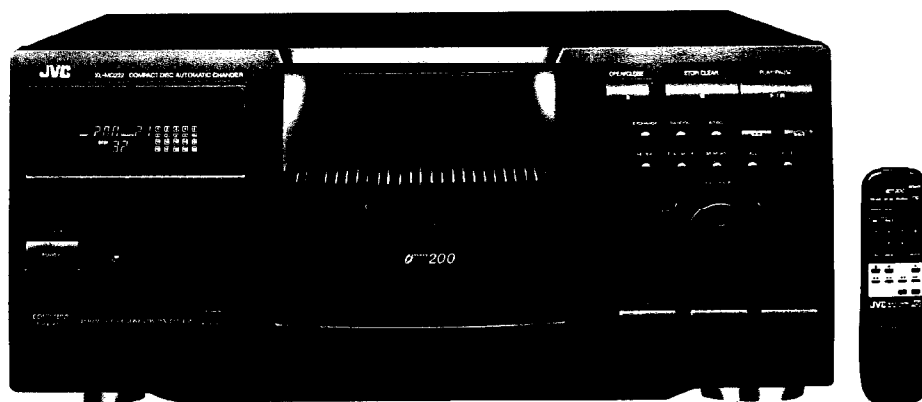
**TEXT  
COMPU LINK**

**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-MC222BK

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
- ◆ Play & Exchange System: You can manually change up to 25 of 200 discs without stopping play
- ◆ 1-bit D/A Converter
- ◆ 8-times oversampling digital filter
- ◆ 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-FZ258BK**

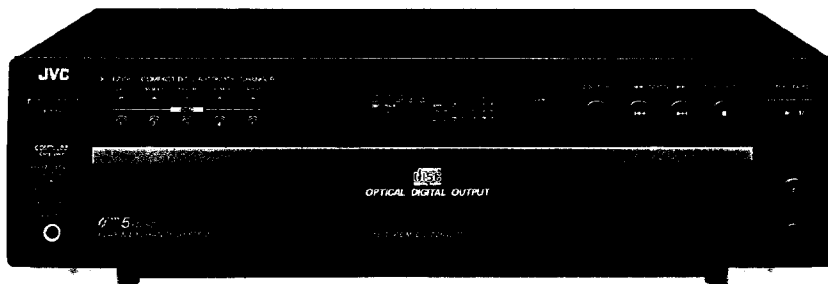
5-Disc Carousel CD Changer



- ◆ 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
- ◆ 8-times oversampling digital filter
- ◆ Remote control
- ◆ 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

## **XL-FZ158BK**

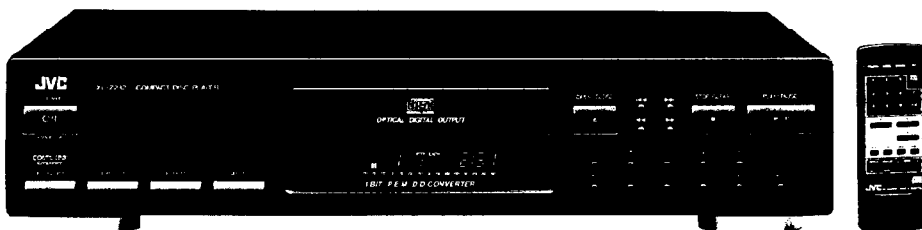
5-Disc Carousel CD Changer



- ◆ 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
- ◆ 8-times oversampling digital filter
- ◆ 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

## **XL-Z212BK**

Compact Disc Player



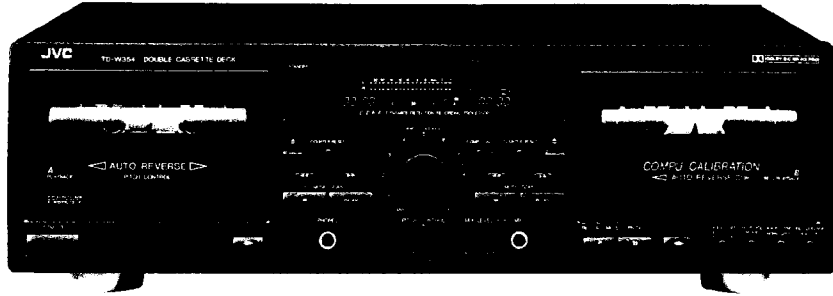
- ◆ 1-bit P.E.M. D.D. Converter
- ◆ Remote control with 10-key pad
- ◆ 8-times oversampling digital filter
- ◆ Program play of up to 32 tracks
- ◆ Optical digital output
- ◆ Smart random play
- ◆ 15-track program chart
- ◆ 10-key pad for direct track access
- ◆ Center-of-gravity mechanism layout
- ◆ 4-way repeat
- ◆ Auto/manual search
- ◆ Enhanced COMPU LINK Control System

# Cassette Decks

## TD-W854BK

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

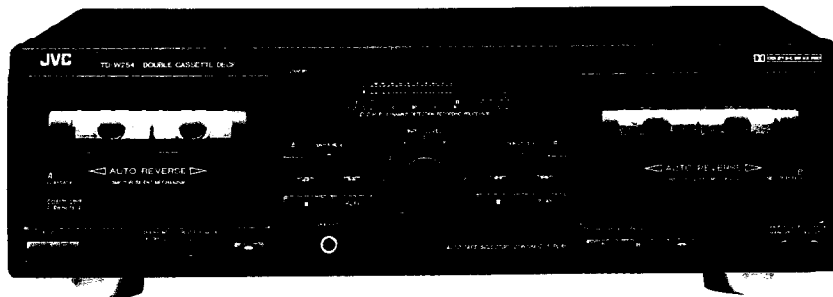


- ◆ High-speed editing with synchro dubbing
- ◆ Dolby HX Pro (Deck B)
- ◆ Dolby B/C noise reduction
- ◆ Fluorescent level meters/counters
- ◆ Auto tape selector (Normal/CrO<sub>2</sub>/Metal)
- ◆ Auto/synchro rec mute
- ◆ Headphone output
- ◆ Enhanced COMPU LINK Control System

## TD-W754BK

Double-Mechanism  
Cassette Deck

- ◆ Twin auto-reverse transports
- ◆ Full-logic control
- ◆ Silent Mechanisms
- ◆ Continuous play of two tapes
- ◆ DDRP (Dynamics Detection Recording Processor)
- ◆ High-speed editing with synchro dubbing
- ◆ Dolby HX Pro (Deck B)



- ◆ Dolby B/C noise reduction
- ◆ Fluorescent level meters/counters
- ◆ Auto/synchro rec mute
- ◆ Auto tape selector (Normal/CrO<sub>2</sub>/Metal)
- ◆ Headphone output
- ◆ Enhanced COMPU LINK Control System

# Audio Accessories



**HA-DX3**  
Digital Reference  
Stereo Headphones



**HA-DX1**  
Digital Reference  
Stereo Headphones



**HA-D50**  
Digital-Ready  
Stereo Headphones



**HA-D40**  
Digital-Ready  
Stereo Headphones



**HA-D30**  
Digital-Ready  
Stereo Headphones



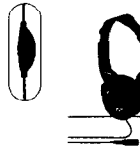
**HA-D20**  
Digital-Ready  
Stereo Headphones



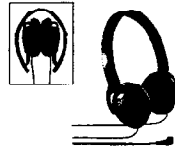
**HA-D15**  
Digital-Ready  
Stereo Headphones



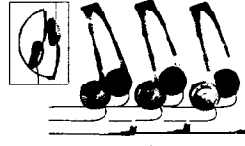
**HA-V560**  
Digital-Ready  
Stereo Headphones



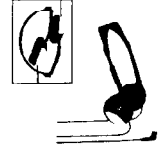
**HA-V550**  
Digital-Ready  
Stereo Headphones



**HA-P75**  
Digital-Ready Stereo  
Folding Headphones



**HA-CD71F**  
Digital-Ready  
Lightweight Stereo  
Folding Headphones



**HA-CD70F**  
Digital-Ready  
Lightweight Stereo  
Folding Headphones



**HA-CD57**  
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

Notice: It should be noted that it may be unlawful to re-record pre-recorded tapes, records, or discs without the consent of the owner of copyright in the sound or video recording, broadcast or cable program and in any literary, dramatic, musical, or artistic work embodied therein.  
"Dolby," the double-D symbol and "Dolby HX Pro" are trademarks of Dolby Laboratories Licensing Corporation.

# SPECIFICATIONS

	RX-1028VBK	RX-888VBK	RX-778VBK	RX-668VBK	RX-558VBK
<b>AMPLIFIER SECTION</b>					
Output Power: Stereo	130 watts per channel, min. RMS, driven into 8 ohms from 20Hz to 20kHz, with no more than 0.02% total harmonic distortion 130 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 0.02% 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	110 watts per channel, min. RMS, driven into 8 ohms from 20Hz to 20kHz, with no more than 0.06% 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	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	100 watts per channel, min. RMS, driven into 8 ohms at 1kHz, with no more than 0.8% total harmonic distortion
Center Channel	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	100 watts, min. RMS, driven into 8 ohms at 1kHz, with no more than 0.8% total harmonic distortion
Rear Channels	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	50 watts per channel, min. RMS, driven into 8 ohms at 1kHz, with no more than 0.8% total harmonic distortion
Input Sensitivity/Impedance					
PHONO	2.5mV/47k ohms	2.5mV/47k ohms	2.5mV/47k ohms	2.7mV/47k ohms	2.7mV/47k ohms
OTHER INPUTS	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/77dB (REC OUT)	70dB/77dB (REC OUT)
OTHER INPUTS	87dB/80dB	87dB/80dB	87dB/80dB	87dB/80dB	87dB/80dB
Frequency Response					
PHONO	20Hz — 20kHz (±1dB)	20Hz — 20kHz (±1dB)	20Hz — 20kHz (±1dB)	20Hz — 20kHz (±1dB)	20Hz — 20kHz (±1dB)
OTHER INPUTS	20Hz — 20kHz (±1dB)	20Hz — 20kHz (±1dB)	20Hz — 20kHz (±1dB)	20Hz — 20kHz (±1dB)	20Hz — 20kHz (±1dB)
RIAA Phono Equalization	±1dB (20Hz — 20kHz)	±1dB (20Hz — 20kHz)	±1dB (20Hz — 20kHz)	±1dB (20Hz — 20kHz)	±1dB (20Hz — 20kHz)
<b>FM TUNER SECTION (II F)</b>					
Usable Sensitivity	17dBf (1.9µV/75 ohms)	17dBf (1.9µV/75 ohms)	17dBf (1.9µV/75 ohms)	17dBf (1.9µV/75 ohms)	17dBf (1.9µV/75 ohms)
Quieting Sensitivity: MONO	21.3dBf (3.2µV/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	41.3dBf (31.5µV/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)	35dB	35dB	35dB	35dB	35dB
Distortion (1kHz) MONO/STEREO	0.4%/0.6%	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 85dBf)	78dB/73dB	78dB/73dB	78dB/73dB	78dB/73dB	78dB/73dB
Selectivity (±400kHz)	48dB	48dB	48dB	48dB	48dB
Capture Ratio (at 85dBf)	2dB	2dB	2dB	2dB	2dB
IF Response Ratio (98MHz)	85dB	85dB	85dB	85dB	85dB
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)
<b>AM TUNER SECTION</b>					
Usable Sensitivity	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
Selectivity (±10kHz)	23dB	23dB	23dB	23dB	23dB
<b>VIDEO INPUTS/OUTPUTS</b>					
Output Signal Level: S-Video -Y	1Vp-p (at 1Vp-p input)	1Vp-p (at 1Vp-p input)	1Vp-p (at 1Vp-p input)	—	—
S-Video -C	0.286Vp-p (at 0.286Vp-p input)	0.286Vp-p (at 0.286Vp-p input)	0.286Vp-p (at 0.286Vp-p input)	—	—
Composite	1Vp-p (at 1Vp-p input)	1Vp-p (at 1Vp-p input)	1Vp-p (at 1Vp-p input)	1Vp-p (at 1Vp-p input)	1Vp-p (at 1Vp-p input)
Impedance	75 ohms unbalanced	75 ohms unbalanced	75 ohms unbalanced	75 ohms unbalanced	75 ohms unbalanced
Synchronization	Negative	Negative	Negative	Negative	Negative
Signal-to-Noise Ratio	45dB	45dB	45dB	45dB	45dB
Crosstalk	45dB (3.58MHz)	45dB (3.58MHz)	45dB (3.58MHz)	45dB (3.58MHz)	45dB (3.58MHz)
Dimensions (W x H x D)	17 <sup>3</sup> / <sub>16</sub> x 7 <sup>7</sup> / <sub>16</sub> x 16 <sup>1</sup> / <sub>4</sub> inches 435 x 157 x 412.5mm	17 <sup>3</sup> / <sub>16</sub> x 6 <sup>7</sup> / <sub>16</sub> x 16 <sup>1</sup> / <sub>4</sub> inches 435 x 157 x 412.5mm	17 <sup>3</sup> / <sub>16</sub> x 6 <sup>7</sup> / <sub>16</sub> x 16 <sup>1</sup> / <sub>4</sub> inches 435 x 157 x 412.5mm	17 <sup>3</sup> / <sub>16</sub> x 5 <sup>3</sup> / <sub>16</sub> x 15 <sup>13</sup> / <sub>16</sub> inches 435 x 146 x 403.5mm	17 <sup>3</sup> / <sub>16</sub> x 5 <sup>3</sup> / <sub>16</sub> x 15 <sup>13</sup> / <sub>16</sub> inches 435 x 146 x 403.5mm
Weight	26.3 lbs. (11.9kg)	26.3 lbs. (11.9kg)	25.0 lbs. (11.3kg)	22.6 lbs. (10.2kg)	22.6 lbs. (10.2kg)

	XL-MC334BK	XL-MC222BK	XL-FZ258BK	XL-FZ158BK	XL-Z232BK
Total Harmonic Distortion (1kHz)	0.004%	0.006%	0.0022%	0.0022%	0.0025%
Dynamic Range (1kHz)	96dB	95dB	98dB	98dB	98dB
Signal-to-Noise Ratio	105dB	100dB	107dB	107dB	106dB
Frequency Response	4Hz — 20kHz	4Hz — 20kHz	2Hz — 20kHz	2Hz — 20kHz	2Hz — 20kHz
Wow and Flutter	Unmeasurable	Unmeasurable	Unmeasurable	Unmeasurable	Unmeasurable
Channel Separation (1kHz)			94dB	94dB	94dB
Output Level (LINE)	2.0V RMS	2.0V RMS	2.0V RMS	2.0V RMS	2.0V RMS
Dimensions (W x H x D)	17 <sup>3</sup> / <sub>16</sub> x 7 <sup>7</sup> / <sub>16</sub> x 19 inches 435 x 199.5 x 482.5mm	17 <sup>3</sup> / <sub>16</sub> x 7 <sup>7</sup> / <sub>16</sub> x 19 inches 435 x 199.5 x 482.5mm	17 <sup>3</sup> / <sub>16</sub> x 5 <sup>1</sup> / <sub>16</sub> x 15 <sup>3</sup> / <sub>16</sub> inches 435 x 128 x 398mm	17 <sup>3</sup> / <sub>16</sub> x 5 <sup>1</sup> / <sub>16</sub> x 15 <sup>3</sup> / <sub>16</sub> inches 435 x 128 x 398mm	17 <sup>3</sup> / <sub>16</sub> x 4 x 11 <sup>3</sup> / <sub>16</sub> inches 435 x 101 x 281mm
Weight	17.2 lbs. (7.8kg)	17.2 lbs. (7.8kg)	11.3 lbs. (5.1kg)	11.3 lbs. (5.1kg)	7.3 lbs. (3.3kg)

	XV-D701BK	XV-501BK
<b>AUDIO SECTION</b>		
Total Harmonic Distortion	0.002%	0.002%
Dynamic Range: 16 bit	99dB	98dB
20/24 bit	108dB	106dB
Frequency Response:		
CD (fs=44.1kHz)	2Hz — 20kHz	2Hz — 20kHz
DVD (fs=48kHz)	2Hz — 22kHz	2Hz — 22kHz
DVD (fs=96kHz)	2Hz — 44kHz	2Hz — 44kHz
Output Level	2.0V RMS	2.0V RMS
<b>VIDEO SECTION</b>		
Horizontal Resolution	500 Lines	500 Lines
Signal-to-Noise Ratio	65dB	65dB
Output Level:	S-video - Y S-video - C Composite	1.0Vp-p/75 ohms 0.286Vp-p/75 ohms 1.0Vp-p/75 ohms
Dimensions (W x H x D)	17 <sup>3</sup> / <sub>16</sub> x 4 <sup>7</sup> / <sub>16</sub> x 13 <sup>1</sup> / <sub>4</sub> inches 435 x 112 x 335mm	17 <sup>3</sup> / <sub>16</sub> x 4 <sup>7</sup> / <sub>16</sub> x 13 <sup>1</sup> / <sub>4</sub> inches 435 x 112 x 335mm
Weight	10.6 lbs. (4.8kg)	9.9 lbs. (4.5kg)

	XU-301BK
<b>CD CHANGER SECTION</b>	
Total Harmonic Distortion (1kHz)	0.009%
Dynamic Range (1kHz)	90dB
Signal-to-Noise Ratio	94dB
Frequency Response	8Hz — 20kHz
Wow and Flutter	Unmeasurable
Output Level (LINE)	2.0V RMS
<b>MD RECORDER SECTION</b>	
Sampling Frequency	32kHz/44.1kHz/48kHz
Frequency Response	8Hz — 20kHz
Inputs: Analog (LINE IN)	Minimum input level: 300mV (Full scale -12dB)
Digital (Optical)	Input level: -20dB — -15dB
Microphone	Minimum input level: 3mV (Full scale -12dB)
Signal-to-Noise Ratio	88dB
Dynamic Range (1kHz)	88dB
Dimensions (W x H x D)	17 <sup>3</sup> / <sub>16</sub> x 5 x 12 <sup>1</sup> / <sub>2</sub> inches 435 x 127 x 316mm
Weight	13.3 lbs. (6.0kg)

	XM-448BK
Sampling Frequency	32kHz/44.1kHz/48kHz
Frequency Response	5 — 20,000Hz (±1dB)
Inputs: Analog	Minimum input level: 100mV
Digital	Input level: -24dB — -15dB
Signal-to-Noise Ratio	96dB
Dynamic Range (1kHz)	94dB
Dimensions (W x H x D)	17 <sup>3</sup> / <sub>16</sub> x 4 <sup>7</sup> / <sub>16</sub> x 13 <sup>1</sup> / <sub>4</sub> inches 435 x 112 x 335mm
Weight	9.5 lbs. (4.3kg)

	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
Channel Separation (1kHz)	40dB	40dB
Harmonic Distortion: K3 (0VU, 315Hz)	0.8% (Metal)	0.8% (Metal)
Heads: Record/Playback	Combination (Deck B): Metaperm head & Two-gap ferrite head	Combination (Deck B): Metaperm head & Two-gap ferrite head
Erase	Metaperm head (Deck A)	Metaperm head (Deck A)
Playback		
Motors: Capstan	Electronic governor DC motor x 1 (Deck A, B)	Electronic governor DC motor x 1 (Deck A, B)
Reel & Mechanism Drive	DC motor x 2 (Deck A, B)	DC motor x 2 (Deck A, B)
Input Sensitivity/Impedance		
Microphones (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)	0.3mV/8 ohms (Matching impedance: 8 — 1k ohms)	0.3mV/8 ohms (Matching impedance: 8 — 1k ohms)
Dimensions (W x H x D)	17 <sup>3</sup> / <sub>16</sub> x 5 <sup>1</sup> / <sub>2</sub> x 13 <sup>1</sup> / <sub>4</sub> inches 435 x 139 x 331mm	17 <sup>3</sup> / <sub>16</sub> x 5 <sup>1</sup> / <sub>2</sub> x 13 <sup>1</sup> / <sub>4</sub> inches 435 x 139 x 331mm
Weight	10.9 lbs. (4.9kg)	10.6 lbs. (4.8kg)

\*Metal tape, S: 315Hz, K3: 3%, N: A-weighted, without NR. The S/N Ratio 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.

	HA-DX3	HA-DX1	HA-D50	HA-D40	HA-D30	HA-D20	HA-D15	HA-V560	HA-V550	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	Moving coil, closed
Frequency Response	4 — 30,000Hz	5 — 30,000Hz	8 — 24,000Hz	16 — 23,000Hz	18 — 22,000Hz	18 — 22,000Hz	15 — 23,000Hz	7 — 21,000Hz	12 — 20,000Hz	10 — 23,000Hz
Nominal Impedance	90 ohms	45 ohms	58 ohms	32 ohms	32 ohms	32 ohms	32 ohms	32 ohms	32 ohms	32 ohms
Sensitivity (1kHz)	98dB/mW	98dB/mW	107dB/mW	103dB/mW	102dB/mW	93dB/mW	104dB/mW	103dB/mW	103dB/mW	106dB/mW
Max. Input Capability	100mW	100mW	100mW	100mW	100mW	50mW	50mW	50mW	50mW	50mW
Weight (without cord)	11.9 oz. (340g)	10.5 oz. (300g)	10.2 oz. (290g)	9.0 oz. (255g)	7.9 oz. (225g)	5.6 oz. (160g)	4.5 oz. (129g)	4.2 oz. (120g)	4.3 oz. (122g)	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)	11.5 ft. (3.5m)	6.5 ft. (2m)	9.8 ft. (3m)	9.8 ft. (3m)	4.9 ft. (1.5m)

	HA-CD71F	HA-CD70F	HA-CD57	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 — 25,000Hz	17 — 25,000Hz
Nominal Impedance	32 ohms	32 ohms	32 ohms	32 ohms
Sensitivity (1kHz)	90dB/mW	90dB/mW	100dB/mW	100dB/mW
Max. Input Capability	50mW	50mW	50mW	50mW
Weight (without cord)	1.7 oz. (48g)	1.7 oz. (48g)	1.5 oz. (43g)	1.5 oz. (43g)
Cord Length	6.5 ft. (2m)	6.5 ft. (2m)	6.5 ft. (2m)	4.9 ft. (1.5m)

	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	-66dB	-66dB
Weight (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)	8.8 ft. (2m)

# Feature Comparison Charts

Receivers	RX-1028VBK	RX-888VBK	RX-778VBK	RX-668VBK	RX-558VBK
Remote Control					
RFIR Illuminated Multi-Brand AV-CATV-DBS Remote Control	•				
Multi-Brand AV-CATV-DBS Remote Control		•	•	•	
AV Remote Control					•

Circuit	RX-1028VBK	RX-888VBK	RX-778VBK	RX-668VBK	RX-558VBK
Surround Sound					
Dolby Digital Decoder Built-in	•	•	•		
DTS Decoder Built-in	•	•			
DVD Multichannel Audio Compatible (5.1-channel input & 5 separate amps)	•	•		•	•
Dolby Pro Logic in Full Digital Processing	•	•	•	•	•
3D-PHONIC					
Dolby Digital (Digital)	•	•	•		•
Dolby Pro Logic (Analog)	•	•	•	•	•
DAP (Hall/Live Club/Pavilion/Dance Club)	•	•	•	•	•
K2 Interface (all channels)	•	•			
1-bit P.E.M. O.D. Converter (all channels)	•	•			
Advanced Super-A	•				
Dynamic Super-A		•			
Low Impedance (4 ohms) Driving Capability	•	•			
Discrete Amplifiers	•	•	•	•	•

Input/Output	Audio		Video		Audio		Video		Audio		Video		Audio		Video		Audio		Video		
	Analog	Digital	C	S	Analog	Digital	C	S	Analog	Digital	C	S	Analog	Digital	C	S	Analog	Digital	C	S	
• Gold-Plated Terminal																					
• Assignable		Opt.	Coax			Opt.	Coax			Opt.	Coax			Opt.	Coax			Opt.	Coax		
PHONO IN	•				•					•								•			
TV SOUND/DBS IN	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
CD IN	•	•	•		•	•	•		•	•	•		•	•	•		•	•	•		•
TAPE/MD IN/OUT	•/•	•/•	•/•		•/•	•/•	•/•		•/•	•/•	•/•	•/•		•/•	•/•	•/•		•/•	•/•	•/•	•/•
VCR (1) IN/OUT	•/•			•/•	•/•	•/•	•/•		•/•	•/•	•/•	•/•		•/•	•/•	•/•		•/•	•/•	•/•	•/•
VCR 2 IN/OUT	•/•			•/•	•/•	•/•	•/•		•/•	•/•	•/•	•/•		•/•	•/•	•/•		•/•	•/•	•/•	•/•
DVD IN	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
VIDEO (Front) IN	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
MONITOR OUT				•	•			•	•			•	•			•	•			•	•
Total Number of Inputs	8	3	1	5	4	6	2	1	5	4	6	2	3	1	6	2	1	5	4	6	2
Total Number of Outputs	4			3	2	3			3	2	2			2	1	2			2	1	2
5-channel Pre-Out	•																				
Room B Pre-Out (L/R)	•																				
Speaker Terminals																					
Main L/R 1																					
Main L/R 2																					
Center																					
Surround L/R																					
Subwoofer Output																					

Functions	RX-1028VBK	RX-888VBK	RX-778VBK	RX-668VBK	RX-558VBK
Multi-Color On-Screen Display	•	•	•	•	•
Fluorescent Display	•	•	•	•	•
Dot-Matrix Display	•	•	•	•	•
Sound Pattern Display	•	•	•	•	•
Velocity-Sensitive Rotary Encoder Volume Control	•	•	•	•	•
One-Touch Operation	•	•	•	•	•
Multi-Room, Multi-Source	•	•	•	•	•
TV Auto Power On	•	•	•	•	•
S.E.A.					
Preset Memory	5	5	5	5	5
Manual	• (for each source)	• (for each source)	• (for each source)	• (for each source)	• (for each source)
Tone Control (Electronic Bass/Treble)	•	•	•	•	•
Center Tone Control	•	•	•	•	•
Loudness	•	•	•	•	•
Bass Boost	•	•	•	•	•
Balance	•	•	•	•	•

Tuner	RX-1028VBK	RX-888VBK	RX-778VBK	RX-668VBK	RX-558VBK
Band	FM/AM	FM/AM	FM/AM	FM/AM	FM/AM
Number of Presets	30 FM/15 AM	30 FM/15 AM	30 FM/15 AM	30 FM/15 AM	30 FM/15 AM
Station Name Memory (4 letters of all stations)	•	•	•	•	•

Others	RX-1028VBK	RX-888VBK	RX-778VBK	RX-668VBK	RX-558VBK
High-Rigidity Z-Chassis	•	•	•	•	•
TEXT COMPU LINK	•	•	•	•	•
Enhanced COMPU LINK Control System	•	•	•	•	•
AV COMPU LINK	•	•	•	•	•



DVD Players		
	XV-D701BK	XV-501BK

Mechanism/Servo		
Type	Single	Single
DVD-Video/VideoCD/CD Playable	●	●
DIVX Player		

Video		
Video D/A Converter	10-bit/27MHz	10-bit/27MHz
Picture Preset Mode: VFP (Video Fine Processor)	3	3
User's Manual Mode	●	●
Variable Search (Forward/Reverse)	●	●
Variable Slow (Forward/Reverse)	●	●
RESUME (Bookmark) Function	●	●
DIGEST Play (9 Pictures)	●	●
STRONG Play (9 Pictures)	●	●
ZOOM Play (4 Times)	●	●

Audio		
Audio D/A Converter (P.E.M. D.D. Converter)	24-bit/96kHz	24-bit/96kHz
Dynamic Range	106dB	106dB
Dolby Digital Decoder Built-In	●	●
Dolby Digital/DTS Digital Out	●	●
3D-PHONIC	●	●
96kHz K2 Interface	●	●

Remote Control		
Included	●	●
Multi-Brand Remote	●	●
Numeric Keys	●	●
Joy Stick Control	●	●

Terminals			
Video Out	S-Video	1	1
	Component Out	1	1
	Composite	1	1
Audio Out	Front L/R	●	●
	Center, Rear L/R, Subwoofer	●	
	Optical Digital Out	1	1
	Coaxial Digital Out	1	
	Headphone Out with Volume	●	●

General			
On-Screen Display	New GUI (Graphic User Interface)	●	●
	On-Screen Language	Eng./Fre./Spa.	Eng./Fre./Spa.
	Bit Rate Indicator (video: green, audio: yellow)	●	●
	Language Indicator	●	●
	Screen Saver	3 patterns	3 patterns
	"Illumi-Guide" Control	●	●
	CD-Text	●	●
	Shuttle Knob	●	●
	AV COMPU LINK	●	●

Mega CD Changers		
	XL-MC334BK	XL-MC222BK

Mechanism/Servo		
Type	200-disc 1-chassis	200-disc 1-chassis
Play & Exchange System (up to 25 discs)	●	●
Electric CD Door	●	●

Digital		
1-Bit Dual D/A Converter	●	●
P.E.M. D.D. Converter	●	
8-Times Oversampling Digital Filter	●	●

Remote Control		
Included	●	●
Numeric Keys	●	●

Digital			
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)	●	
	Reserve Program	●	
Search	Disc Title	●	
	Performer	●	
	Genre	●	
	Number of Programs (From 200 Discs)	32	32
	Number of Program Chart Tracks	20	20
	Multi Jog Dial	●	●

Others		
Optical Digital Output	●	
CD Booklet File	●	●
TEXT COMPU LINK	●	
Enhanced COMPU LINK Control System	●	●

**MD-CD Combination Deck/MD Recorder**

XU-301BK      XM-448BK

**CD Player Section**

Type	3-CD Triple-Tray
Play & Exchange System	●
1-Bit D/A Converter	●
CD TEXT	●
Title Memory	●
(32 Characters, Up to 200 Discs)	●
Genre Memory (27 Patterns, Up to 200 Discs)	●
3-Disc Smart Random Play/Continuous Play	●
Repeat Play	●
Pitch Control	●

**MD Deck Section**

1-Bit D/A and A/D converters	●	●
5-Mode MD Edit (Divide/Join/Move/Erase/All Erase)	●	●
Smart Random Play/Repeat Play	●	●
Sampling Rate Converter (32kHz/44.1kHz/48kHz)	●	●
Mix and Record (CD with Line/Line with Mic/Mic with CD)	●	●
Auto/Manual Track Marking	●	●

**General**

Programmable Timer (Daily Play/Rec, Once Play/Rec)	●	
Mixed CD/MD Program Play (16 Steps x 3 Patterns)	●	
CD-to-MD Synchro Rec	●	
One-Touch	●	
1st TRACK REC	●	
Listening Edit	●	
Number of Program Chart Tracks	20	20
Mic Input	●	
Line Input/Output	●	●
Optical Digital Input	●	2
Optical Digital Output	●	
Full-Function Keyboard Remote Control with Title Input	●	●
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	●		

**Circuit**

Dolby HX Pro	●	●
Dolby B/C Noise Reduction	B/C	B/C
Pitch Control	● (A)	
Mic Input	●	
Mixing Level Control	●	

**Display**

Display Panel	FL	FL
Dual Linear Counter		
Dual Digital Counter	●	●
Direction Indicator	●	●

**Functions**

COMPU CALIBRATION	●	
High-Speed Editing	●	●
Multi Music Scan (A/B)	●	
DDRP	●	●
Auto Tape Selector (Deck A/B)	●	●
Full Auto Stop	●	●

**Others**

Headphone Output	●	●
Enhanced COMPU LINK Control System	●	●

**Compact Disc Players**

XL-FZ258BK    XL-FZ158BK    XL-Z232BK

**Mechanism/Servo**

Type	5-Disc Carousel	5-Disc Carousel	Single
------	-----------------	-----------------	--------

**Digital**

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**

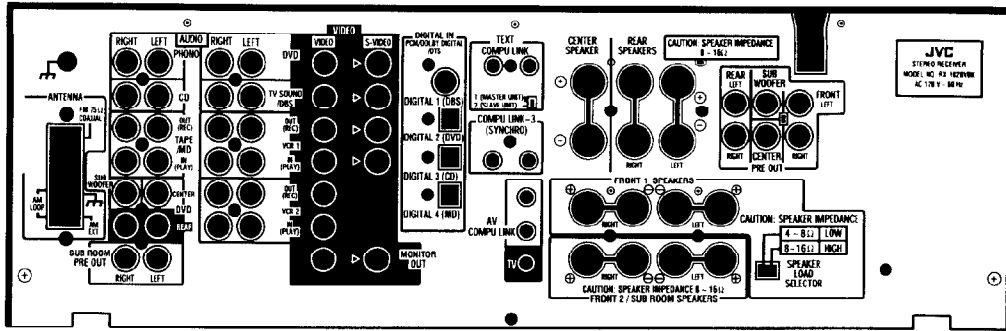
Play Mode	Continuous	●	●	
	Program	●	●	●
	Smart Random	●	●	●
Number of Programs	32	32	32	
Number of Program Chart Tracks	20	20	15	
Disc Keys	5	5		
Numeric Keys	●			
Repeat	All Discs/Single Track	●	●	●
	Program Repeat	●	●	●
Search (Auto/Manual)	●	●	●	

**Remote Control**

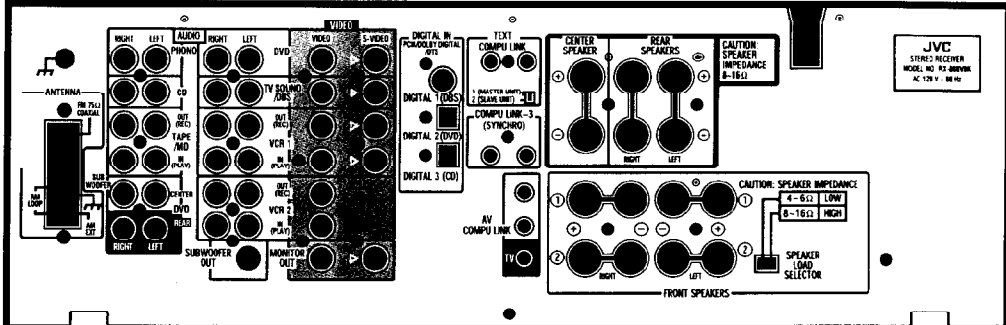
Optical Digital Output	●	●	●
Headphone Output with Volume	●	●	
Enhanced COMPU LINK Control System	●	●	●

# Receivers' Rear Panels

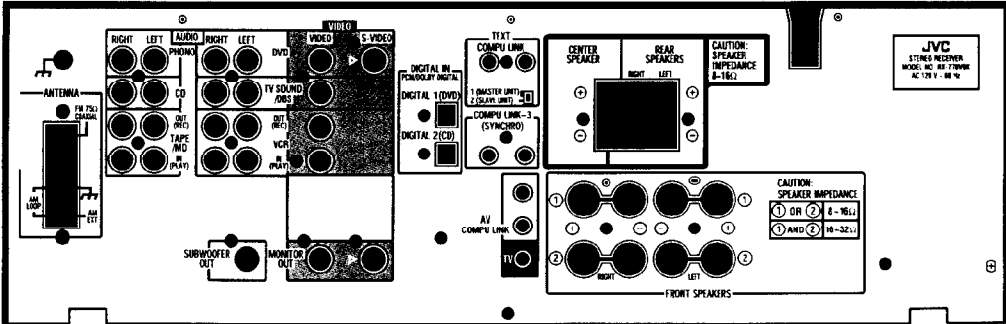
**RX-1028VBK**



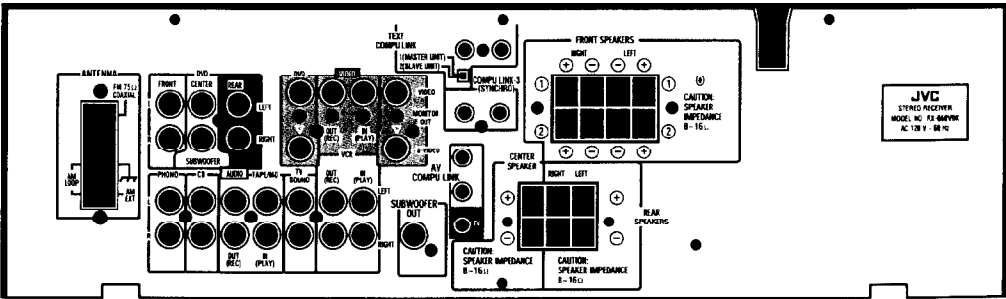
**RX-888VBK**



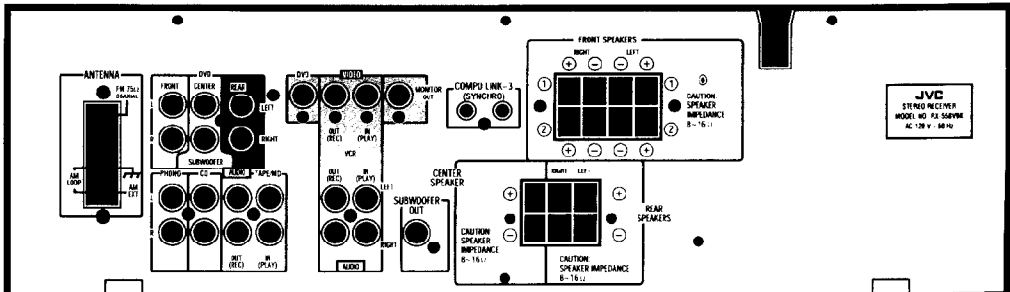
**RX-778VBK**



**RX-668VBK**



**RX-558VBK**



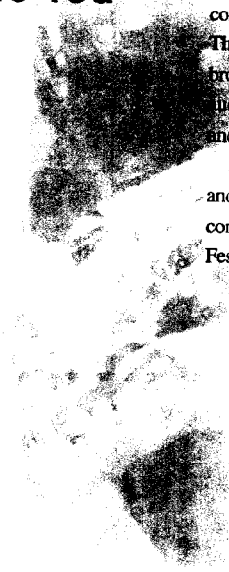
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