

For the Japanese Market Only:

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## JVC Releases Alneo XA-HD500 Studio Quality Digital Audio Player Featuring JVC's Unique Audio Quality Enhancing Technology *Built-in 1-inch Hard Drive Enables World's Longest\*<sup>1</sup> Continuous Playback of Approximately 30 Hours for Digital Audio Players*

Victor Company of Japan, Ltd. (JVC) will release the alneo XA-HD500 digital audio player featuring JVC's unique K2 technology and the studio tuning for high fidelity reproduction of compressed music files. The XA-HD500 has a built-in 1-inch hard drive and is capable of a world-leading approximately 30 hours of continuous playback.

\*1: According to JVC research of digital audio players with built-in 1-inch hard drive as of September 15, 2005. (Based on 64 kbps bit rate and 44.1 kHz sampling frequency of MP3 file playback with backlight and sound mode settings off.)

Product Description	Product Name	Model No.	HDD Memory Size	MSRP (including tax)	Release Date	Monthly Production
Digital Audio Player	alneo	XA-HD500-S/-B	6GB	Open price	Nov. 1	5,000 units

(S: silver, B: black)



XA-HD500-S



XA-HD500-B

### Main features

#### 1. Studio quality digital audio player featuring JVC's unique audio quality enhancing technology

- The XA-HD500 is equipped with JVC's CC Converter to improve sound quality from compressed audio files using JVC's unique K2 Technology for creating high-fidelity sound and featured in JVC's Hi-Fi components. The CC Converter reclaims audio information lost during compression to WMA or MP3 format, enabling a more natural audio playback experience.
- Victor Studio recording engineers, who are experts in music software for original master sound recordings, have helped design the audio tuning in the XA-HD500, combining high fidelity the inner-ear headphones that feature powerful neodymium driver units. The recording engineers created audio quality that faithfully reproduces the intent of the artist.

## **2. World's longest\*<sup>1</sup> approximately 30-hour continuous playback for digital audio players with 1-inch hard drive**

- The use of original JVC power saving technology has resulted in an approximately 30-hour continuous playback time, which is the world's best\*<sup>1</sup> for digital audio players with a built-in 1-inch hard drive.
- The small, lightweight 1-inch 6 GB hard drive is capable of storing approximately 3,000 songs\*<sup>2</sup>, enabling users to carry around their entire music collection.

\*2: For WMA files of 4-minute length played at a 64 kbps bit rate.

## **3. Enjoy music indoors by connecting to home or car audio components**

- The included cradle makes recharging and connecting to a PC or audio equipment simple.
- The included infrared remote control enables users to remotely display song information or to conduct song searches.
- The KS-PD500 interface adapter (sold separately; scheduled to be released in mid-December, price not yet determined) can be used to display song information and control the XA-HD500 when connected to a JVC car receiver that supports MP3 changer control that supports CD texts.\*<sup>3</sup>

\*3: The controllable features and display information will vary with the car receiver model.

## **Development Concept**

For the rapidly expanding digital audio player market, JVC has developed and is releasing the XA-HD500 digital audio player with built-in hard drive. This product succeeds the XA-AL55 and XA-MP101/51 as part of the alneo series of digital audio players with built-in memory.

The XA-HD500 has been designed to produce high fidelity sound resulting from JVC's unique K2 Technology, audio tuning designed by Victor Studio recording engineers, and various sound effect features. The XA-HD500 has also been designed for ease of use, as exemplified by its support for the latest music download methods, long playback times needed in a portable device, and convenient and enjoyable use while connected to home or car audio components. The product targets users seeking new music styles and high quality.

## **Other Features**

### **1. Supports WMA/ MP3 files**

The XA-HD500 is capable of storing songs in the popular WMA and MP3 music compression formats. It also supports the latest digital rights management (DRM\*<sup>4</sup>) technology from Windows Media® Technologies, supporting a new online music download style including not only purchase, but also a membership service.

\*4: Supports Windows Media® DRM 10.

### **2. Comes standard with the latest Windows Media® Player 10 media software**

The XA-HD500 comes standard with the latest Windows Media® Player 10 (WMP10) media software from Microsoft®. It supports auto synchronizing of songs and playlists when connected to a computer. In addition, for computers with WMP10 installed, the XA-HD500 can be used as an external storage device (MTP device\*<sup>5</sup>) that supports drag and drop of music and other data files for simple storing and copying.

\*5: MTP: Media Transfer Protocol; requires installation of Windows Media® Player 10.

### 3. Features various sound effects

- Features Emotional Surround comprised of four music modes—ENERGY, CRYSTAL, HEARTFUL, and SUBWAY—each with clear acoustic field characteristics that appeal to the emotions and create an enjoyable acoustic space.
- Features Digital AHB (Active Hyper Bass) for clear and booming bass.
- The XA-HD500 features a 5-band manual equalizer for adjusting audio characteristics to the music type, Train Mode to reduce annoying emanating sound while riding on the train, monaural playback, and left-right balance control.
- Features two function keys that can be used to change settings such as playback mode and various sound modes.

### 4. Supports 2-way recharging through AC adaptor and a USB port

Comes with AC adaptor and also supports recharging through a USB port while connected to a computer<sup>\*6</sup>.

\*6: Requires USB port capable of supplying 5V/500mA.

### 5. Supports song information display in multiple languages

Supports menu display in 18 languages including Japanese and English, and song information can be displayed in 27 different languages.

#### **About K2 Technology**

K2 Technology is a digital signal audio enhancing technology for eliminating non-signal noise that affects music signals, and is used in JVC recording studios and mastering studios. K2 Technology dramatically improves audio quality for everything from high quality linear PCM used in CD and DVD audio to compressed digital signals such as MPEG-2 AAC used in Dolby Digital, DTS and broadcast satellite and CS digital broadcasts. K2 Technology, the JVC's "Only One" technology, was developed by JVC, a company active in the professional audio industry.

## Major Specifications

Incorporated Hard Drive Storage Capacity	6GB (1-inch)
Display monitor	LCD with white back lightening (160x132 dots, 7 line display)
Displayed Languages	Menu Languages:18 Languages (Cze. / Dan. / Dut. / Eng. / Fin. / Fre. / Ger. / Hun. / Ita. / Jap. / Pol. / Por. / Rus. / Slovak / Spa. / Swe. / Chi. (Simplified & Traditional)) Tag Information Languages:27 Languages (Bul. / Cro. / Cze. / Dan. / Dut. / Eng. / Fin. / Fre. / Ger. / Gre. / Hun. / Ita. / Jap. / Nor. / Pol. / Por. / Rom. / Rus. / Sor. / Slovak / Slovenian / Spa. / Swe. / Tur. / Ukr. / Chi. (Simplified & Traditional))
Supported Audio Formats	MP3 / WMA / WMA-DRM10 (files support content protection)
Bit Rate	MP3 : 8kbps~320kbps、WMA : 8kbps~320kbps
Number of recordable music	Approx. 3,000 tunes*2
Features of frequencies	Main Unit : Headphone 30Hz-20kHz Cradle: LINE OUT 20Hz-20kHz
Output Terminals	Main Unit : Headphone (stereo mini-jack) x1 Cradle: LINE OUT (stereo mini-jack) x1
Input / Output Terminals	Main Unit: USB2.0/1.1 (high speed supported) x1 System connector x 1 Cradle: USB2.0/1.1 (high speed supported) x1 System connector x 1
Actual Maximum Output	Headphone 5mW+5mW (14Ω JEITA/DC)
Battery Type	Built-in lithium ion rechargeable battery
Max. Playback Time	30 hours*1
Recharging Time	Approx. 3.5 hours (by using either AC adopter or a USB port*6)
Dimensions (W x H x D)	51.5 x 91.6 x 16.9mm (excluding protruding parts)
Mass	Approx. 90g
Provided Accessories	Headphone, infrared remote control, cradle, AC adopter, USB cable, audio cable, CD-ROM (PC application software, instruction manual) and a quick guide

## PC Operation Environment

Supported OS	Microsoft®Windows® XP (Home/Professional Editions) (Pre-install only)
Software needed	Microsoft® Windows Media® Player 10 (included in the CD-ROM)
CPU	Intel® Pentium® II 233MHz or more
RAM	64MB or more
Blank Space of HDD	100MB or more
Drive	CD-ROM drive
Connecting Ports	USB2.0/1.1 port

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