

# KENWOOD

Listen to the Future

HOME ENTERTAINMENT 2008

Our Music, Your Lifestyle.



## Truly Satisfying Sounds, Enhancing Every Lifestyle

Connect Kenwood AVCC and Blu-ray™ disc player with a single HDMI cable for a high-definition AV entertainment. Store sounds into high-capacity media, rip or edit music, manage USB host-ready audio systems, or even hook-up an iPod to listen to all your favourite songs or watch video. For any and all lifestyles, nothing quite compares to the satisfaction offered by Kenwood.





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## The Best of Both Worlds, Top Convenience and Quality

Experience the best in hi-fi component sound and the convenience of easy external media compatibility, plus superb DVD audio/video enjoyment as well as seamless connection or playback of digital audio files, with the outstanding array of component systems that Kenwood has to offer.



**At Kenwood, there are a number of Sound Quality Meisters who produce our audio equipment. Naturally, they all have a great love for pure and genuine audio reproduction so it was decided that the K-series K-1000 would go fully digital to guarantee the ultimate in high fidelity. The result was clear and true sound that transcends existing conceptions of compact component systems.**

**Full digital processing — delivers audio quality that's both silky and sweet**

Focusing on the fact that as digital processing is lengthened there is less distortion and noise, the K-series K-1000 employs full digital processing to guarantee the most faithful reproduction of the original sound.

**Highly accurate signal processing**

The K-1000's digital amplifier and CD player employ a number of high-precision digital processors and circuits such as Master Clock Oscillator and Kenwood's original D.P.A.C. (digital pulse axis control) in realizing music reproduction with details and nuances that can be achieved only with the high-end system.

**Clear A mode ensures clearer sound even at low volume**

Listening to your favourite tunes at low volume settings because people around you have turned in for the night can cause the music to lose some of its presence and details. But the Clear A mode solves this problem easily. Just switching the mode on reduces the output to 10W per channel and creates 0.5dB per increment volume settings, allowing you to make very precise adjustments even at low volume. And for times when there is no need to worry about disturbing others, simply switch off the mode to fully enjoy the powerful 50W per channel sound.



**Curved baffle speakers — superb form and function**

Designed to create a more natural sound field, the speakers incorporate a curved baffle that is not only stylish but also has a curvilinear shape that helps to effectively disperse unnecessary reflected sound waves.



**Other Features**

- R-K1000-S receiver with 2 x 50W output
- Faithful to the original source with SUPREME EX (see page 7)
- Auto Room EQ with microphone for easy setup (see page 19)
- Front AUX input for portable players
- DP-K1000-S front-loading CD player
- LS-K1000/-B 2-way curved baffle speaker system with real wood finish (in black or cherry-wood)
- Terminals: Refer to the specifications table on page 13



Acoustic Sound System

**K-series K-1000**



Acoustic Sound System

**K-series K-1000-B**

**Capturing each delicate tone of the original performance, the K-series K-1000 reproduces impressive sounds unlike that of any other compact component system.**

**K-series**





Acoustic Sound System

**K-series Esule**

**Music reproduced the way it should be. Beautiful inside and out, the K-series Esule is packed with premium features that will excite your senses.**

**As the flagship model of K-series acoustic sound systems, the Esule delivers remarkable audio performance and adds style to any room thanks to its high-class, sophisticated design. Created to answer the every demand of discerning audiophiles, the features and technologies that the K-series Esule has to offer will provide you with an unbelievable auditory experience.**

**Fully balanced transmission for pure sound from both speakers**

Fully balanced transmission circuitry enables loss-free transmission of analogue signals converted by the differential output D/A converter. Interference between circuits is also suppressed while noise is minimized to enable remarkably pure signal transmission.



**CD Direct function puts performance in the high-speed lane**

The K-series Esule features a CD Direct function that minimizes the distance travelled by the signal from the CD player to the receiver by completely bypassing the selector and tone circuitry. There is also a separate Source Direct function that enables audio signals from other music sources to bypass the tone circuitry.

**Oversized toroidal transformer for powerful sound reproduction**

The power supply features a large toroidal transformer with tightly wound wire that helps to minimize magnetic flux leakage, assuring highly efficient electrical power conversion for exceptionally powerful sound reproduction.

**Separate cabinet construction promises better sound quality**

Independent super tweeter/tweeter cabinets structurally isolate the units from the air pressure and vibrations generated by the powerful woofer, to improve reproduction of minute signals. The enclosure is dedicated to the woofer to assure sufficient cabinet capacity for the speaker's large amplitude and enable smooth movement of air.

**Other Features**

- R-K1 CD receiver ● Power output 70W x 2 ● High-performance Wolfson WM8740 dual D/A converters ● 3-stage differential discrete amplifier ● Faithful to the original source with SUPREME EX (see page 7)
- LS-K1 3-way 3-speaker system: Separate tweeter/super tweeter cabinet with aluminium die-cast panel ● Sound qualified speaker network circuit ● Terminals: Refer to the specifications table on page 13



Regardless of the source, the K-series K-711 will provide you with exceptional sounds perfectly suited to any listening environment. Tag and folder information recorded on music files can be displayed, enabling seamless access and enjoyment of personal music libraries. And thanks to many Kenwood proprietary digital audio technologies, faithful audio reproduction is always assured.

#### Fully digital preamp and complete discrete power amp

The fully digital preamp and 3-stage differential amp reproduce sound naturally from a wide range of digital content. The preamp stage features SUPREME EX, D.P.A.C., and a master clock controller that help to maintain a pure digital signal flow, recreating a realistic sound that is closer to the original source. In the power amp stage, a completely discrete 3-stage differential configuration controls unwanted noise for more faithful audio reproduction.

#### Auto Room EQ for the optimum sound field

Auto Room EQ mode is a handy function that is easy to use. Please go to page 19 to learn all about this original and beneficial mode.

#### Moving you closer to the original source

SUPREME EX automatically switches between modes to move you closer to the original source. The Music CD mode recreates higher harmonics in the 20kHz and above range and Music File mode interpolates the high-frequency signals lost from audio files during data compression. As a result, SUPREME EX recreates realistic sound that is closer than ever to the original performance every time.

#### Cool design enhanced by exceptional performance

Both the tweeter and woofer are masterpieces of speaker design. A larger magnet on the soft dome tweeter achieves extended mid- and high-range reproduction, while a tweeter panel maintains ideally wide range characteristics. The woofer adopts a number of advanced materials to reduce vibration and distortion as well as improve performance. And because these speakers are enclosed in a wooden cabinet, delivered sound is natural yet rich with full of depth.



#### Other Features

- R-K711-B CD receiver (silver or black) ● Power output 2 x 30W
- High-performance Wolfson WM8716 D/A converters ● LS-K711-B 2-way speaker system with sound qualified speaker network circuit (Wood-coloured or black) ● Terminals: Refer to the specifications table on page 13



Acoustic Sound System

## K-series K-711



Acoustic Sound System

## K-series K-711-B

The K-series K-711 is everything you've been waiting for as it promises all the performance of a full component system in a compact, attractive design.



# K-series

The K-series K-511USB is a system offering unique appeal as it not only incorporates many Kenwood proprietary sound technologies but also allows for the convenient and easy transfer of music to various mobile devices. A USB port capable of USB hosting and two SDHC compatible card slots for transferring music data and metadata enable you to listen and record different music selections simultaneously.

**Easy music transfer via external media**

**Rip songs from CD to USB and more**

Thanks to the USB Host function, not only you can record your favourite tunes to USB memory or Digital Audio Player (DAP) but also move from a USB device to SD card in specified folder, without a PC. Playback is just as easy; connect your DAP or stick to the USB and you're ready for high quality entertainment.

**Double SD card slot for twice the enjoyment**

Two SD card slots are featured on the front of the K-511USB for playback and recording to an SDHC compatible SD memory card. One SDHC card is capable of storing a high capacity of up to 32GB per media so the double SD card slot means twice the capacity, or 64GB! Both slots can record in WMA or PCM formats. Up to 4x speed recording is enabled\* and by inserting an SDHC card with AMG LASSO CD database software into SD-2 slot, source CD titles and other tag data are automatically transferred with the recording\*\*.

\*in WMA mode \*\*to SD or USB device.



**CD database for easy management of music collections**

The K-511USB is bundled with AMG LASSO CD database software\*. By inserting an SD card with the CD database in SD-2 slot, the K-511USB recognizes metadata information such as CD album name, title, and genre from the source CD for playback, or tags such information when making recordings to an SD or USB. Nearly 300,000 data items are stored and they can be updated via the Kenwood website\*\*.

\*Developed by All Media Guide. \*\*Requires a PC for update.

**Listen and record, simultaneously**

Now you can listen and record at the same time. For instance, while recording from a CD to USB, you can listen to songs on SD or from the radio, which not only saves time but keeps you entertained. What's more, PCM recordings are enabled for CD, AUX and D.Audio connection as well as recording to USB from analogue sources. How's that for convenience?

Compact Hi-Fi Component System

**K-series K-511USB-B**

Experience new and exciting ways of recording music with this fun component system that lets you rip, store, and manage digital audio files on various media including SD cards.



**K-series**

## High-quality sound supported by advanced technologies

### Burr-Brown DA converter means high-performance processing

The widely recognized Burr-Brown high-performance D/A converter found on high-end separate audio components is employed to faithfully reproduce the subtle signals of the original audio data to ensure richer, smoother sound.

### Original SUPREME technology made for better sound reproduction

SUPREME is a Kenwood proprietary technology that provides excellent sound quality when playing compressed audio files. Using interpolation, SUPREME technology recreates the high frequencies lost during compression to let you enjoy dynamic sound reproduction that is as close as possible to the original recording.

### New speaker design

Featuring 25mm balanced dome and 120mm cone woofer, the speakers are wrapped in an MDF cabinet to deliver natural yet rich sound with full of depth.



### Other Features

- FD-K511USB/B CD receiver
- Power output 2 x 20W
- CD-DA playback with CD Text compatibility
- CD to SD or CD to USB dubbing in 4X speed
- iPod playback enabled using PAD-iP7 interface
- Bypass Mode adjusts AV signal delays during iPod video playback
- AM/FM Tuner
- Timer functions
- LS-K511/-B 2-way speaker system with MDF cabinet for rich and natural sound with full of depth (black or silver)
- Terminals: Refer to the specifications table on page 13



Compact Hi-Fi Component System

## K-series **K-511USB**



### Easy steps to rip songs using O.T.E.

Just the following four steps are necessary to transfer songs:

#### Step 1

Insert a source CD



#### Step 2

Insert the SD card that contains AMG LASSO CD database into the SD-2 slot



#### Step 3

Insert SD card (up to SDHC) in SD-1 or connect a USB device (e.g. Digital Audio Player, stick or HDD)



#### Step 4

Press the O.T.E. button



Songs can be ripped at different speeds: 4x speed recordings for WMA files, or normal speed for PCM recording. Transfer from USB to SD-1 to SD-2, or vice versa, and recording from analogue sources via USB is also possible.

### Digital audio files

With the technological developments in digital audio, we come across many of abbreviated file formats like WAV, MP3, AAC and so on. Let's learn a little about them and their characteristics so you know what you should be looking for.

#### WAV (Short for Waveform):

Uncompressed; a standard audio file for storing audio bit stream on Windows PCs. WAV contains uncompressed audio in the PCM (pulse-code modulation) format, which is the standard audio format for CDs. Because the file is uncompressed, high-quality sound can be achieved.

#### WMA (Windows Media Audio):

Compressed; a popular Windows Audio format owned by Microsoft. Has DRM (digital rights management) ability for copy protection.

#### MP3 (MPEG-1 Audio Layer-3 format):

Compressed; essentially inaudible portions are eliminated to realize 1/10 the size of an equivalent PCM file while maintaining good audio quality. MP3 is one of the most popular formats for downloading and storing for its compact file size.

#### AAC (Advanced Audio Coding):

Compressed; designed as the successor of the MP3, achieving better sound quality. AAC is the default audio format of Apple iPhone, iPod, and iTunes.



2.0-ch DVD Component System

## AX-8

**2.0ch virtual front surround sound joins with a DVD component system to create big-screen home cinema enjoyment that's just right for today's lifestyles.**

**Stylish black design matches very well with big-screen displays**

The AX-8 with its black-finish components has been specifically designed to match today's big-screen display TVs.

**Turn your room into a home cinema with Virtual Front Surround III and Clear Voice Sound**

Original VFS III and front speakers allow you to create 2.0-ch home cinema system instantaneously — select from Music or Movie Mode depending on your entertainment needs, and expand or reduce the sound field using the Wide Control adjustment. Clear Voice Sound adjusts the centre channel for clear and natural sound with detailed and sharp dialogues.



### Other Features

- M-AX7 Discrete power amplifier and C-AX8/C-AX7 full digital controlled pre amplifier
- Wolfson D/A converters
- Power output 100W total (50W x 2 or 25W x 4)
- Auto Room EQ
- D-BASS III system
- Dolby Digital / DTS / PLII Decode
- 6ch Pre-out Support
- DVD/CD pre-amplifier Front loading DVD/CD deck
- LS-AXD7 2-way, 2-speaker + (1-way full-range speaker)
- Terminals: Refer to the specifications table on page 13



2.0-ch DVD Component System

## AX-7



3.1-ch Speaker System

## KSW-700

**Turn your component system into a serious 5.1-ch surround sound package. The KSW-700 comes with a centre speaker, two rear speakers, a passive sub-woofer, and a 4ch power amplifier.**

**Create 5.1-ch speaker system**

Add the KSW-700 3.1-ch speaker system to any of the compact hi-fi system with two front speakers to create a 5.1-ch surround sound.

Available in silver finish.



iPod Dock

## PAD-iP7

**This optional iPod Dock connects to many '08 Kenwood Hi-Fi component systems and it can be controlled remotely. The PAD-iP7 is also equipped with a component terminal to improve iPod video picture quality via the component system.**

### Other Features

- Compatible systems: K-1000 / Esule / K-711 / K-511USB / AX-7 / AX-8 / C-707
- Supported iPod versions: iPod 3G, 4G (Photo), 5G (Video), 6G (Classic), iPod nano 1/2/3, iPod Touch and iPod Mini



2.0-ch DVD Theatre System

**M-909DV**

**DivX and Xvid ready DVD component system with a stylish black finish pumps out 50W per channel of output. Also capable of playing back DV-format video via a USB device and the front panel has a stereo mini jack for digital audio players.**

**Impressive 2.0ch-DVD theatre system**

The 2.0-ch DVD theatre system is capable of playing back various compression formats including DivX and Xvid for video or CD-DA, MP3 and WMA for audio. The system features VFS, EX.Bass, and an equaliser to heighten the surround experience from the two front speakers with 50W per channel output.

**USB Host function**

Connect up with a USB Mass Storage class memory or device to enjoy a number of USB Host functions from playback of MP3/WMA audio files to DivX and Xvid video format as well as recording from CD to USB.

**Other features**

- RXD-M909 DVD/CD Receiver ● Power output 2 x 50W (RMS, 1kHz, 10%, 4ohm) ● ID3 tag (Ver.1.0 / 1.1 / 2.2 / 2.3), WMA tag for USB ● Full logic auto-reverse mechanism deck ● Component output ● LS-M909 2-way speaker system ● Terminals: Refer to the specifications table on page 13



Compact Hi-Fi Component System supplied with iPod Dock

**M-707i-B**

**The unique M-707i is standard supplied with iPod Dock to allow the playback and control of iPod 3G and higher models. Also capable of reproducing MP3 / WMA compressed files and powerful enough to output 45W per channel.**

**Simply put your iPod on the dock to play and control it**

Hook up an iPod to the dock to playback music or video and control directly from the remote. While connected, your iPod is automatically recharged. Supported iPod versions include iPod 4G (Photo), 5G (Video), 6G (Classic), iPod nano 1/2/3, iPod Touch and iPod Mini.

**Other Features**

- RXD-M707 CD Receiver ● Power output 2 x 45W ● 5-preset equalizer / X-Bass ● USB Host: Recording from CD to USB/playback from USB devices ● Auto-reverse, full logic mechanism deck ● LS-M707 Speaker System ● Terminals: Refer to the specifications table on page 13

Compact Hi-Fi Component System supplied with iPod Dock

**M-707i-S**

Micro System

## M-505USB-B



**Compact Hi-Fi Component system with USB Host control including CD to USB recording and playback of MP3 or WMA formats. Also features a full-logic auto-reverse deck and RDS compatible tuner.**

### Other Features

- RXD-M505USB-S/B CD receiver with USB Hosting ● Power output 2 x 30W ● 5-preset equalizer / X-Bass
- CD to USB recording in MP3 ● USB Mass Storage Class device playback ● Auto-reverse, full logic mechanism deck
- MW/FM tuner with RDS ● LS-M505-S/B speaker system ● Terminals: Refer to the specifications table on page 13



Micro System

## M-505USB-S



Micro System

## M-303USB-B



**Compact Hi-Fi Component system capable of playing back USB devices, and playback of MP3 or WMA formats enabled by USB or CD-R/RW. Also features a deck, tuner and 1-way speakers.**

### Other Features

- RXD-M303USB-S/B CD receiver with USB Hosting ● Power output 2 x 5.5W ● 5-preset equalizer / X-Bass
- USB Mass Storage Class device playback ● Full logic mechanism deck ● MW/FM tuner with RDS
- LS-M303-S/B speaker system ● Terminals: Refer to the specifications table on page 13



Micro System

## M-303USB-S



Compact Lifestyle System

## C-707i-S/-W

**Stylishly designed, the C-707i compact lifestyle system is an all-in-one system with a number of connectors to facilitate external media entertainment.**

### Slim and stylish design complements the ambience of any interior

An all-in-one, slim and stylish compact system blends in beautifully with any interior thanks to its good looks and small size.

### iPod playback and control enabled through an interface

Connecting the optional PNC-iP120 iPod interface enables control and playback of iPod players. Your iPod will be recharged while connected and functions such as playback, skip up/down, fast forward/reverse, and pause can be controlled from the system remote.

### MP3 and WMA playback supported with USB Host function

Music files in USB mass storage devices with MP3 or WMA files can be played back and recharged while connected. The system also reads ID3 (ver. 1.1) or WMA tag information for display.

### Other Features

- RD-C707-S/-W CD receiver ● Power output 2 x 10W ● Tone / EX. Bass ● AM loop antenna ● LS-C707 1way full-range speaker ● Subwoofer output ● Terminals: Refer to the specifications table on page 13



Feature Comparison and Specifications

	K-1000	Esule	K-711	K-511USB	AX-8/AX-7	M-909DV	M-707i	M-505USB	M-303USB	C-707i
Power output	50W x 2 (RMS,1kHz)	70W x 2 (RMS,1kHz)	30W x 2 (RMS,1kHz)	20W x 2 (RMS,1kHz)	50W x 2 (RMS,1kHz)	50W x 2 (RMS,1kHz)	45W x 2 (RMS,1kHz)	30W x 2 (RMS,1kHz)	5.5W x 2 (RMS,1kHz)	10W x 2 (RMS,1kHz)
Compatible discs	CD-R/RW	•	•	•	•	•	•	•	•	•
	DVD-R/RW/DVD+R/RW				•/•	•/•				
Playback capability	MP3 / WMA / AAC / JPEG / DivX / Xvid	•/•/•	•/•/•	•/•/•	•/•/•	•/•/•	•/•/•	•/•/•	•/•/•	•/•/•
Slot or terminal	SD / iPod / USB	-/-	-/-							
USB Host	CD to USB recording (MP3) / USB device playback (MP3/WMA)			•(x2) /-•			-/•/•	-/-•	-/-•	-/• (via PNC-IP120)/ •(front)
Auto Room EQ	•	•	•	•	•	•	•	•	•	•
DAP Link	•	•	•	•	•	•	•	•	•	•
Terminals										
OUT										
Digital out (Opt/Coax)	1(CD)/1(CD)	1/1			1(optical)					
Line out (Analogue)	1(CD)				1					
Component	1(CD)				1					
Composite / S-Video	-/-	-/-	-/-	-/-	1/1	1/-	1(for iPod Video)/-	-/-	-/-	-/-
REC out (for DAP)				1	1					-/-
Subwoofer Preout			1	1	1					-/-
6ch Preout					•					
IN										
Digital input										
Optical	2 (Receiver)	1	1		1					
Coaxial	2 (Receiver)	1								
Analogue input for Digital Audio Players	1	1	1	1	1(front)	1(front)	1(for iPod)	1		1
AUX (RCA pin)	1	1	1	1	3					
IN/OUT	MD / Tape	-/1	1/1	-/1	-/1					

Glossary

Following are description of featured functions and technologies for the 2008 Hi-Fi component systems for your reference.



**SUPREME EX**

Advanced version of the SUPREME technology. Recreates lost high-frequency range of over 20kHz to reproduce delicate details of the sound that is closer to the original.



**SUPREME**

Original technology developed by Kenwood to recreate the high frequencies lost during compression for a dynamic sound reproduction that is as close as possible to the original recording.



**Linear TRAIT**

Kenwood original power transistor. Positioning an emitter transistor out of the signal flow enables faster response and reproduces sound with richer bass.



**DivX**

Video compression codec that uses lossy MPEG-4 ASP compression. DivX certified DVD players can playback DivX encoded movies.



**Blu-ray Disc**

Optical disc storage media to mainly store high-definition (HD) video and data; same dimensions as DVD or CD discs. BD supports HD Audio codec including Dolby TruHD, Dolby Digital Plus and DTS-HD Master Audio.



**SDHC card**

An extension of the SD memory card, which stands for Secure Digital High Capacity, SD2.0. Maximum capacity of an SDHC is 32GB. The card only works on compatible devices.



**USB Host**

Enables connection of USB Mass Storage Class device to a compatible interface to make recordings from and to as well as playback songs or videos stored in the USB memory. Moving with folder specification is also enabled so theoretically requires no PC.



**CD>USB Recording**

Directly records music from a CD or analogue source (e.g. radio or AUX components) to DAP or USB memory.



**CD-R/RW**

The system's CD player is capable of playing back CD-R/RW discs.



**WAV**

Short for Waveform: Uncompressed; a standard audio file for storing audio bit stream on Windows PCs. WAV contains uncompressed audio in the PCM (pulse-code modulation) format, which is the standard audio format for CDs. Because the file is uncompressed, high-quality sound can be achieved.



**AAC**

Advanced Audio Coding: Compressed; designed as the successor of the MP3, achieving better sound quality. AAC is the default audio format of Apple iPhone, iPod, and iTunes.



**MP3**

MPEG-1 Audio Layer-3 format: Compressed; essentially inaudible portions are eliminated to realize 1/10 the size of an equivalent PCM file while maintaining good audio quality. MP3 is one of the most popular formats for downloading and storing for its compact file size.



**WMA**

Windows Media Audio: Compressed; a popular Windows Audio format owned by Microsoft. Has DRM (digital rights management) ability for copy protection.



**RDS**

Stands for Radio Data System. It is a communications protocol standard that can transmit information through FM radio broadcasting such as time, track/artist and station identification and display them on the compatible equipment.



**VFS III**

Stands for Virtual Front Surround III. Offers the experience of surround sound with only two front speaker cabinets containing 2-way speakers and a satellite speaker.



**Music & Movie Modes**

Work with VFS III and Clear Voice Sound, these two modes adapts the acoustic field to reproduce sound for music listening or cinema viewing.



**Clear Voice Sound**

Works with the VFS III and Music/Movie modes, Clear Voice adjusts the centre channel for clear and natural sound with detailed sharp dialogues.

**Clear A Mode**

When the volume has to be lowered for late hours listening, turn on Clear A mode to reduce output to about 1/5 of the conventional volume and create half decibel per increment volume settings, in conventional volume, switch off the mode to enjoy the maximum power output.

**Linear PCM**

Uncompressed audio CD quality file format. Its sampling frequency is 16-bit/44.1kHz.

**Xvid**

Like DivX, Xvid is another type of video codec. Models with Xvid logo indicates the player is capable of encoding Xvid files for playback.

## Never Miss a Sound

Even on the go, Kenwood lets you take sounds anywhere and revel in handy, music CD-quality provided by its portable media players. And it's not just playback anymore. Recording capability now means you can store entire music collections on the player, ensuring that you'll never miss a sound.





Digital Portable Audio Recorder/Player

## MGR-A7-B

Whether recording music live, used at lectures, seminars or even at studios, the MGR-A7 catches everything. And it also plays back recordings in high-quality sound.

**This stylish Digital Portable Audio Recorder is equipped with 3-microphones for superior quality sound recording in various situations.**

### Linear PCM recording for top-flight performance

The MGR-A7 enables CD-quality audio recordings thanks to its linear PCM recording capability. Recordings are stored in a built-in 2GB flash memory, which can be moved to an SD card (SDHC enabled). During recording, selection of a preset equaliser mode is possible to match the source audio.

### 3-way recording capability for picking up left, right and centre channels

All three channels have high-quality condenser microphones for excellent sensitivity and response. The L and R channels are non-directional, whereas the centre is directional.

### Insulator to suppress vibration

The microphones "float" off the main unit and are supported by insulators. This floating MIC mechanism decreases key-touch and vibration noise.

### Clear Digital amplifier with L/R independent circuit

The Clear Digital sensing amplifier with Wolfson WM8065 A/D and D/A converters, and an independent L/R circuit reduces distortion and interference. The amplifier also delivers unvarying power to guarantee clear vocals and excellent bass reproduction.

### Other Features

- SUPREME ● 3 rec modes: Mono, Stereo 2 mic and Stereo 3 mic
- WAV/WMA recording formats ● External MIC input w/plug-in-power MIC applicable ● Direct encoding for LINE-IN ● Auto Gain Control, Auto/Manual Level Setting ● Level Meter in LCD / Peak Indicator by LED
- Playback formats: MP3, WMA (DRM9), WAV ● Battery duration: 12 hrs. recording; 19 hrs. playback in WAV/WMA formats ● Playback speed control ● A-B repeat, Repeat one, Repeat, Random, Random repeat, Intro
- 128 x 96 mono colour LCD ● Analogue output ● DAP Link
- Sleep and alarm timers ● Li-ion battery ● Supporting OS: Windows Vista / XP ● Provided accessory: Headphones, USB cable, AC adaptor



### Optional Accessory

Cover for the MGR-A7

## CC-MGRA7



## Far More Thrills and Excitement, the Easy Way

Move light-years ahead in home cinema entertainment as Kenwood's AV Control Centre (AVCC) models can easily and quickly connect and control external devices. Connect Kenwood AVCC with Blu-ray™ and HDTV through HDMI allows multi-channel or HD Audio enjoyment.



The new AV Control Centre models enable seamless control of AV sources including the latest Blu-ray™ discs, simplifying 2.0ch to full 7.1ch full HD home cinema requirements for remarkable full HD picture and audio performance.

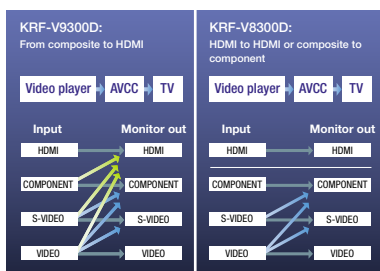
### All the excitement of cinema viewing

#### Blu-ray™: Bringing real cinema to your home

Blu-ray™ DVDs provide full HD video resolution and uncompressed surround-sound audio for a superlative viewing and listening experience. The new KRF-V9300D/V8300D/V7300D AVCC models are capable of receiving the Blu-ray™ HD Audio and video signals from the HDMI cable and decoding HD Audio signals such as Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio via the 7-channel amplifier. This makes it truly easy to enjoy the all the powerful high-definition sound quality that Blu-ray™ DVDs have to offer.

#### Converting analogue input signals for output as digital signals

Many analogue video sources (composite, S-video or component quality, etc.) are still available that require cumbersome cabling but these AVCC models can convert original analogue video signals to a higher format for easier connection to TV output. The KRF-V9300D can convert composite signals up to digital for HDMI transmission to the TV, whereas the KRF-V8300D transmits HDMI as HDMI or converts composite up to component.



#### Up-scaling SD to HD video format

Because many TV broadcasting signals and VCR video sources are still in the SD (standard definition) format with a lower resolution compared to HD, these signals must first be up-scaled to display on the higher resolution of HDTVs. The KRF-V9300D is fully capable of up-scaling the SD signal to HD, which is then transmitted to an HDTV via the HDMI interface.

### Music purer and more dynamic than ever before

#### Multi-channel audio and much more

The superb audio features available on the new AVCC line-up are just as exciting as its video functions. With the arrival of Blu-ray™ discs, new HD Audio formats such as Dolby TrueHD, Dolby Digital Plus, DTS-HD Master Audio, and DTS-HD Resolution Audio were introduced. Each format is an advanced multi-channel audio codec, and each can be decoded on the new AVCC models via the 7-channel amplifier. For those who want to experience dynamic 5.1-channel surround sound from just two speakers, the KRF-V9300D and KRF-V8300D feature Dolby Virtual Speaker and Dolby Headphone that simulate a realistic surround-sound environment.

#### Pure Audio Mode 2 and Linear TRAIT

The AVCC models feature superlative audio technologies that guarantee the highest fidelity. For example, the Pure Audio Mode 2 incorporates the following two technologies to ensure improved sound with rich bass:

- 1) The Straight Decode function that automatically selects the best listening mode to reproduce signals closer to the original format; and
- 2) The Linear TRAIT, a discrete amplifier circuit with power IC, heightens response speed to deliver a natural sound with rich bass.



### Complementing any and all lifestyles

#### HDMI — enhanced sound, easier connection

Most of the AVCC models feature an HDMI interface with C.E.C. (Consumer Electronics Control) compatibility that transmits uncompressed digital audio and video signals via a single cable. By connecting HDMI compatible external devices to the AVCC, power on/off and other functions can be controlled with the AVCC remote controller. The HDMI interface connection to the AV Control Centre ensures the optimum reproduction of HD Audio sound provided by Blu-ray™ DVDs.



#### HDMI Repeater and HDMI Video Switching

Signals are sent via the HDMI cable to the AVCC, which are then separated into audio and video signals through an HDMI Repeater. The audio signal is enhanced with DSP to improve sound reproduction and the video signal is sent to the monitor via the HDMI cable. HDMI Video Switching featured on the KRF-V6300D only sends video signals via the HDMI interface to assure total enjoyment of high-definition video.

#### More convenience, more enjoyment

The new AVCC models offer an exceptional range of convenient features to make any video viewing and music listening occasion more enjoyable. For example, the optional PNC-iP120 iPod cable can be used to connect the AVCC with an iPod for full control of a private collection of music or video, Auto Room EQ creates an optimum listening environment for the room, and the Lip Sync audio-delaying function slows down audible sound to ensure clearer audio reproduction.



AV Control Centre with 7-ch Amplifier  
**KRF-V9300D**

An HDMI repeater, HD Audio decoder with 7-channel amp, Dolby Virtual speaker and headphone set-up, SD to full HD up-scaler, composite to HDMI converter, plus Kenwood proprietary Pure Audio Mode 2 and iPod control capability. Is there really anything else you need?

**Converting the original source to enhance both sound and picture**

The KRF-V9300D converts video signal at a higher resolution of up to HD1080p with video up-scaler. Sound matches just right with the connected speakers; the Dolby Virtual Speaker/Dolby Headphone simulates 5.1-ch surround sound from the two front speakers, while 7-ch full surround sound is enabled with full speaker configurations.

**Other Features**

- HDMI Repeater 2 in / 1 out ● HD Audio Decode with 7ch amplifier ● Analogue Video Convert (Composite > HDMI)
- 32bit Floating Point DSP ● Pure Audio Mode 2 and New Linear TRAIT ● Straight Decode Mode ● iPod Control
- Auto Room EQ and Active EQ ● Dolby Virtual Speaker/Dolby Headphone ● Dolby Digital EX 6.1ch decoding and Dolby Pro Logic IIx 7.1ch decoding ● DTS-ES 6.1ch decoding ● AM/FM RDS tuner (PS, RT, PTY); 40 presets
- Terminals: Refer to the specifications table on page 23

130W x 7 (1kHz, 10% THD, 60hm)

Front L	Front R	Centre	Rear L	Rear R	Surround L	Surround R
---------	---------	--------	--------	--------	------------	------------



AV Control Centre with 7-ch Amplifier  
**KRF-V9300D-S**



AV Control Centre with 7-ch Amplifier  
**KRF-V8300D**

The KRF-V8300D offers virtually identical performance as the high-end model except for upscaling to full HD. Packed with outstanding Kenwood audio technologies for playback such as 2- to 7-channel output, it also offers convenient features like Auto Room EQ that reproduce sounds perfectly suited to any listening environment.

**Controlling high-precision video & audio quality**

Featuring a 32-bit DSP, the new KRF-V8300D is capable of controlling the new HD Audio format codec found on Blu-ray™ DVDs. Video signals can also be converted from analogue video signals to HDMI to enable easy connection to a TV or monitor. Whether it's audio or video, the KRF-V8300D can fully control any signal.

**Other Features**

- HDMI Repeater 2 in / 1 out ● HD Audio Decode with 7ch amplifier ● Analogue Video Convert (Composite > Component)
- 32bit Floating Point DSP ● Pure Audio Mode 2 and New Linear TRAIT ● Straight Decode Mode ● iPod Control
- Auto Room EQ and Active EQ ● Dolby Virtual Speaker/Dolby Headphone ● Dolby Digital EX 6.1ch decoding and Dolby Pro Logic IIx 7.1ch decoding ● DTS-ES 6.1ch decoding ● AM/FM RDS tuner (PS, RT, PTY); 40 presets
- Terminals: Refer to the specifications table on page 23

130W x 7 (1kHz, 10% THD, 60hm)

Front L	Front R	Centre	Rear L	Rear R	Surround L	Surround R
---------	---------	--------	--------	--------	------------	------------



AV Control Centre with 7-ch Amplifier  
**KRF-V8300D-S**



AV Control Centre with 7-ch Amplifier  
**KRF-V7300D**

The KRF-V7300D is a 7-channel amplifier that supports the HD Audio signal of Blu-ray™ discs. Kenwood's Pure Audio 2 feature enables hi-fi audio playback and iPod connection via an optional cable make KRF-V7300D a handy control centre for both music and movies.

**Get connected to video or music with iPod**

Wouldn't it be cool to be able to watch video recordings stored on your iPod on a bigger screen? Use the optional iPod interface PNC-iP120 to connect and control iPods from the KRF-V7300D. And of course, audio files stored on iPod can also be played back. Please refer to the section below for more details on the interface.

**Other Features**

- HDMI Repeater 2 in / 1 out ● HD Audio Decode with 7ch amplifier ● Analogue Video Convert (Composite > Component) ● 32bit Floating Point DSP ● Pure Audio Mode 2 and New Linear TRAIT ● Straight Decode Mode ● Easy Setup (2-step speaker setup) via remote control ● Dolby Digital EX 6.1ch decoding and Dolby Pro Logic IIx 7.1ch decoding ● DTS-ES 6.1ch decoding ● AM/FM RDS tuner (PS, RT, PTY); 40 presets ● Terminals: Refer to the specifications table on page 23

130W x 7 (1kHz, 10% THD, 60hm)

Front L	Front R	Centre	Rear L	Rear R	Surround L	Surround R
---------	---------	--------	--------	--------	------------	------------



AV Control Centre with 7-ch Amplifier  
**KRF-V7300D-S**



iPod Playback and Control  
**PNC-iP120**

The PNC-iP120 enables the receiver to control and playback iPods, all you need to do is simply connect one end of the cable to the receiver and the other to the iPod.

- Compatible AVCC models: KRF-V9300D, KRF-V8300D, KRF-V7300D and C-707i.
- Supported iPod versions are iPod 3G, 4G (Photo), 5G (Video), 6G (Classic), iPod nano 1/2/3, iPod Touch and iPod Mini.



**Play iPod Audio or iPod Video on a big-screen**

Use the PNC-iP120 to connect one of the compatible Kenwood AVCC models with an iPod model to enjoy music or video. Supported iPod versions are iPod 3G, 4G (Photo), 5G (Video), 6G (Classic), iPod nano 1/2/3, iPod Touch and iPod Mini.



**Sound just right for any room with Auto Room EQ**

In living environments where space is limited, speakers can be positioned in awkward locations, creating unbalanced volume levels and poor sound image localization (diagram A). Kenwood's innovative Auto Room EQ function overcomes this problem by creating an optimal balance of sound level, tone and timbre for any listening position (diagram B).

**Unbalanced volume levels due to awkward speaker positioning (diagram A)**

- Because the distances from the L/R speakers are different, volume levels are unequal, resulting in poor sound image localization.



**Calibration performed with Kenwood's Auto Room EQ (diagram B)**

- Compensation is made for the time taken for sound to arrive.
- Speaker levels are adjusted.
- Compensation is performed to ensure the optimum frequency characteristics.





AV Control Centre with 5-ch Amplifier  
**KRF-V6300D**

The KRF-V6300D is a 5-channel AVCC with HDMI video switching capability that incorporates Pure Audio Mode 2 and Straight Decode for accurate sound reproduction. It's the optimum AVCC for high-definition TVs and DVD players/recorders equipped with HDMI terminals.

**HDMI Connection**

To make the most out of high-definition video, the KRF-V6300D offers a Video Switching features that sends video signals via the HDMI interface through the AVCC and out to the monitor via an HDMI. Audio signals are sent from the DVD player's digital audio output to the AVCC to ensure exceptional sound quality.

**Other Features**

- HDMI Switching (Video Pass-Thru) 2 in / 1 out ● Pure Audio Mode 2 ● Straight Decode Mode ● Easy Setup (2-step speaker setup) via remote control ● Dolby Digital EX 6.1ch decoding and Dolby Pro Logic IIx 7.1ch decoding
- DTS-ES 6.1ch decoding ● Active EQ ● AM/FM RDS tuner (PS, RT, PTY); 40 presets ● Terminals: Refer to the specifications table on page 23

**130W x 5** (1kHz, 10% THD, 60hm)

Front L	Front R	Centre	Rear L	Rear R
---------	---------	--------	--------	--------



AV Control Centre with 5-ch Amplifier  
**KRF-V6300D-S**



AV Control Centre with 5-ch Amplifier  
**KRF-V5300D**

The KRF-V5300D is a 5-channel AVCC equipped with outstanding sound reproduction features such as Pure Audio and 5 audio DSP modes. It is ideally suited for use with conventional DVD players and TVs.

**Clear sound with the Pure Audio Mode**

When both video and audio signals pass through the AV control centre, noise and interference can be generated to degrade the strength of the music signal. The Pure Audio Mode effectively blocks noise and interference pathways that can reduce audio quality by shutting-off the video circuitry in DVD audio/video players during audio playback to ensure clearer, purer sound reproduction.

**Other Features**

- Pure Audio Mode ● Easy Setup (2-step speaker setup) via remote control ● Dolby Digital and DTS decoding
- Dolby Pro Logic II and DTS ● Active EQ ● 5 Audio DSP Modes (Arena, Jazz Club, Theatre, Stadium and Disco)
- Midnight Mode ● AM/FM RDS tuner (PS, RT, PTY); 40 presets ● Terminals: Refer to the specifications table on page 23

**120W x 5** (1kHz, 10% THD, 60hm)

Front L	Front R	Centre	Rear L	Rear R
---------	---------	--------	--------	--------



AV Control Centre with 5-ch Amplifier  
**KRF-V5300D-S**



Slim Design AV Control Centre with 5-ch Amplifier

## VRS-6200

The slim and stylish VRS-6200 AVCC is a 5-channel amplifier with 80W per channel output that is capable of reproducing high-quality 96kHz/24-bit audio. For extra convenience, it even offers an optical input for game consoles on the front panel.

### Slim and stylish

The VRS-6200 boasts a slim and stylish design with an attractive hairline silver aluminium panel finish that matches the sleek look of Kenwood's DVD players. This handsome design is sure to complement the ambience of any interior setting.

### Other Features

- Front panel optical input for game console with automatic game input selection and game surround setup
- 96Hz/24bit audio reproduction capability ● Midnight Mode ● Loudness Control ● Bass Boost ● AM/FM RDS tuner (PS, RT, PTY); 40 presets ● Terminals: Refer to the specifications table on page 23

80W x 5 (1kHz, 0.7% THD, 60hm)

Front	Front	Centre	Rear	Rear
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Slim Design DVD Player with HDMI Interface

## DVF-5500-B



This DVD video player features an HDMI interface for transferring digital AV signals using a single cable.

### Other Features

- Video signal up-scaler (to HD 1080p) ● PAL Progressive Scan ● MP3 / WMA Playback ● DVD-R/RW, DVD+R/RW, CD-R/RW Playback ● JPEG Playback ● S-VCD Playback ● Program, Random, Repeat, and A-B Repeat play ● Slow / Fast motion playback ● Freeze frame and frame advance / back ● Dolby Digital / DTS bit stream digital out ● Dolby Digital / 2ch down mix PCM analogue out (with PCM Down mix digital out)
- Multi-aspect TV screen modes ● Terminals: Refer to the specifications table on page 23



Slim Design DVD Player with HDMI Interface

## DVF-5500D-S



Slim Design DVD Player

## DVF-3500-B



DivX certified single-tray DVD video player that is also capable of playing back MP3 and WMA format audio files.

### Other Features

- PAL Progressive Scan ● MP3 / WMA Playback ● DVD-R/RW, DVD+R/RW, CD-R/RW Playback ● JPEG Playback ● S-VCD Playback ● Program, Random, Repeat, and A-B Repeat play ● Slow / Fast motion playback ● Freeze frame and frame advance / back ● Dolby Digital / DTS bit stream digital out ● Dolby Digital / 2ch down mix PCM analogue out (with PCM Down mix digital out) ● Multi-aspect TV screen modes ● Terminals: Refer to the specifications table on page 23



Slim Design DVD Player

## DVF-3500D-S



Speaker System

## KS-1300HT-B

Compact cabinet speakers that deliver rich sound reproduction, making them ideal for use with flatscreen TVs. The speakers can be positioned horizontally or vertically, and even wall mounted.

**Other Features**

- 5ch speaker package ● Full-range speaker system ● Holes for wall mounting ● Built-in bolt for speaker stand



Speaker System (In Silver Finish)

## KS-1300HT-S



Auto-return Turntable

## P-110(S)

This turntable, which connects to the AVCC via an AUX input, is perfect for users with a library of analogue records or who just want to listen to softer, more acoustic analogue audio reproduction.

**Other Features**

- Built-in selectable phono equaliser amplifier ● Connects to AV control centre via AUX input
- Precision belt-drive turntable



Speaker System for 2.0/2.1-ch Audio

## LS-V130-BK

Powerful and high-quality sounds perfect for an audio-oriented home theatre package.

**Other Features**

- 2ch speaker package ● 2-way, 3-speaker bass-reflex system ● 120 mm cone woofer x 2, 25 mm balanced-dome tweeter



Powered Subwoofer System

## SW-40HT-BK

Bass reflex enclosure powered subwoofer with a 160mm woofer pumps out 100W of dynamic power. Volume and power control knobs are located on the front panel for easy operation.

**Other Features**

- Powered subwoofer system ● Dynamic power: 100W, 6 ohms
- 160 mm woofer x 1

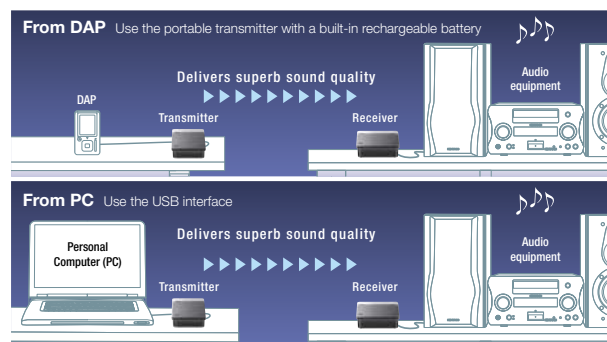


Digital Wireless System

## SLG-7

This Digital Wireless System can transfer uncompressed linear PCM signals to ensure excellent sound quality. A wide range of components can also be connected to the transmitter and receiver for wireless transmission.

**Uncompressed digital wireless transmission**



**Other Features**

- Uncompressed linear PCM transmission for excellent sound quality ● 2.4GHz frequency band ● Precision circuit configuration for high-quality sound ● Approx. 30m transmission range ● Approx. 4.5-hour playback with rechargeable battery; 3-hour for battery recharge
- Multiple in/out jacks: Transmitter (USB audio in for PC), Analogue audio in (mini jack); Receiver (RCA audio out, optical digital out)



Wireless transmitter

Wireless receiver

**Feature Comparison and Specifications**

	KRF-V9300D	KRF-V8300D	KRF-V7300D	KRF-V6300D	KRF-V5300D	VRS-6200	DVF-5500	DVF-3500
Power Output								
Surround Mode (1Hz, 0.7%THD, 6 ohm)	100W x 7	100W x 7	100W x 7	100W x 5	100W x 5	80W x 5	—	—
Surround Mode (1kHz, 10%THD, 6 ohm)	130W x 7	130W x 7	130W x 7	130W x 5	120W x 5	—	—	—
Stereo Mode (63Hz-12.5kHz, 0.7%THD, 6 ohm)	100W x 2	100W x 2	100W x 2	100W x 2	100W x 2	—	—	—
Stereo Mode (1kHz, 10%THD, 6 ohm)	130W x 2	130W x 2	130W x 2	130W x 2	120W x 2	100W x 2	—	—
HDMI repeater (ver. 1.3a full support) In/Out	2/1	2/1	2/1	—	—	—	—	—
HDMI switching (video pass thru)	—	—	—	2/1	—	—	—	—
HDMI terminal	—	—	—	—	—	—	1	—
Front AV AUX In (Composite, Audio L/R)1	1	1	1	1	1	1	—	—
Analogue Audio In/Out (Composite) including 6-ch input	6/2	6/2	6/2	6/2	6/2	3/1	-/1	-/1
Optical/Coaxial Digital Audio In	2/1	2/1	2/1	2/1	2/1	2/1	Out: 1/1	Out: -/1
6-Channel Analogue Input for DVD-Audio and SACD playback	1	1	1	1	1	—	—	—
Pre-out (Subwoofer)	1	1	1	1	1	1	—	—
HD Component Video In/Out	3/1	3/1	3/1	3/1	—	—	-/1	-/1
SCART Connector	—	—	—	—	—	—	1	1
S-Video In/Out	2/1	2/1	2/1	2/1	—	—	—	—
Composite In/Out	3/2	3/2	3/2	3/2	3/2	3/2	-/1	-/1
Remote with Kenwood DVD controlling capability	Illuminated keys	Illuminated keys	Illuminated keys	•	•	•	•	•

**Glossary**

Following are description of featured functions and technologies for the 2008 AVCC models for your reference.



**Auto Room EQ**

Even when speakers are positioned in awkward locations in a room, Auto Room EQ and its built-in microphone check the listening environment to create optimal balance of sound level, tone and timbre from any listening position.



**Dolby TrueHD**

An advanced lossless multi-channel audio codec for use on Blu-ray Discs. AVCC marked with this logo means it is capable of decoding.



**Made for iPod**

Indicates seamless connection and playback from Apple iPod products using an optional interface.



**DivX**

Video compression codec that uses lossy MPEG-4 ASP compression. DivX certified DVD players can playback DivX encoded movies.



**DTS-HD Master Audio**

An advanced lossless audio codec, which is an optional audio format for Blu-ray Discs. AVCC marked with this logo means it is capable of decoding.



**HDMI**

Stands for High-Definition Multimedia Interface. It is a connector for transmitting uncompressed digital audio and video signal on a single cable. The Kenwood AVCC models are compatible with an HDMI interface that supports C.E.C. protocol to control other HDMI device (e.g. Blu-ray and set-top boxes, game consoles, digital TVs, etc.) connected to the AVCC from the remote controller supplied with the AVCC.



**Blu-ray Disc**

Optical disc storage media to mainly store high-definition (HD) video and data; same dimensions as DVD or CD discs. BD supports HD Audio codec including Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio.



**Dolby Digital Plus**

Digital audio compression scheme for HDTV and Blu-ray Discs. Supports a greater range of bitrates compared to original Dolby Digital. AVCC marked with this logo means it is capable of decoding.

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## Listen to the Future

Kenwood has always connected with people through sound. Now we want to expand the world of sound in ways that only Kenwood can, listening to our customers and to the pulse of the coming age as we head toward a future of shared discovery, inspiration and enjoyment.

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