



25th Anniversary

The Driving Force of Mobile Entertainment 1980-2005

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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KENWOOD

Listen to the Future

MOBILE ENTERTAINMENT SYSTEMS 2005

KENWOOD
eXcelon

25th Anniversary

The Driving Force of Mobile Entertainment 1980-2005



XXV-05V
7.0" Wide Fully Motorized Indash TV with DVD Video/ DVD Audio/ WMA/ MP3 Receiver with 5.1ch DSP

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- 7.0 Inch Wide Color TFT Active Matrix Display
- Full-automatic Open/Close with slide and angle adjustments
- Interactive Touchscreen Control with New Smooth GUI
- Audio Easy Control Mode while Playing Visual Source
- MP3/WMA Folder/File Search Function on GUI
- Secondary Display = 5 x 7 Dot Matrix LCD (Color: Blue, Red & Green)
- All-in-one Head Unit (Receiver/ 5.1ch DSP/ TV Tuner)
- Maximum Output Power : 50W x 4 + 47W x 1
- Gold Plated 5.1Preouts with 5V Pre-output Level
- 2 RCA AV Inputs/ 1 RCA AV Output
- Dolby Pro Logic II (for 2ch Source to 5.1ch surround)
- SFC/ 4 Band Parametric EQ/ Digital X'over
- SIRIUS Satellite Radio Ready
- HD Radio Ready
- Dual Zone Source & Volume Control
- DVD Video & DVD Audio Compatible Player
- DVD±R/RW Compatible (Video Mode)
- External Media Control — iPod Ready



XXV-01D
AAC/WMA/ MP3/ CD Receiver with External Media Control

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- Auto-Slide Detachable Faceplate
- Rotary Encoder & Jog Control Knob for Easy Operation
- 4096 Color OEL Display
- Display Customize Function
- Maximum Output Power : 50W x 4 (MOSFET Power IC)
- ACDrive (Advanced Codec Drive)
 - Voice Index browsing
 - Media Manager included
- AAC/WMA/MP3 Playback
- G-Analyzer (Graphic Motion Analyzer)
- Built-in DSP : DTA/System O-ex(4band P-EQ)/Digital E's+/SRS WOW Digital Effect

- O.D.D. (Offset Dual Differential) D/A System for Sound Quality
- Installer/User/Backup Memory of Audio Setup
- SIRIUS Satellite Radio Ready
- HD Radio Ready
- External Media Control — iPod Ready
- Dual Zone Source & Volume Control
- AUX Input
- Gold Plated 3 Preouts with 5V Pre-output Level



XXV-02A
High Performance 4-channel Power Amplifier

- LAPT Power Transistor
- Special Tunad Filtering Capacitors
- Glass Epoxy PCB
- A.M.S. (Amplifier Management System)
 - Built in Parametric EQ Control
 - AMP Information Display (Voltage, Current, Temperature, Cooling Fan Speed)
- Built-in Variable Low-pass Filter : 50Hz-200Hz, 24dB/oct (8ch)
- Built-in Variable High-pass Filter : 50Hz-200Hz, 12dB/oct (A+Bch)
- Built-in Infrasonic Filter : Off/15Hz, 24dB/oct (Bch)
- Gold Plated Input/Output Terminals
- Line Output Terminals (RCA) for Extension
- 2-Speed Cooling Fan
- Detachable Aluminum Dress Plate



XXV-03A
High Performance Mono Power Amplifier

- Special Tuned Filtering Capacitors
- Glass Epoxy PCB
- Class D Amplifier Circuit
- A.M.S. (Amplifier Management System)
 - Built in Parametric EQ Control
 - AMP Information Display (Voltage, Current, Temperature, Cooling Fan Speed)
- Built-in Variable Low-pass Filter : 50Hz-200Hz, 24dB/oct
- Built-in Variable Band reject Filter : 40Hz-200Hz, Off/-6dB/-12dB
- Built-in Infrasonic Filter : Off/15Hz/25Hz, 24dB/oct
- 1Ω Load Capability
- Gold Plated Input/Output Terminals
- Line Output Terminals (RCA) for Extension
- 2-Speed Cooling Fan
- Detachable Aluminum Dress Plate



XXV-04S
Flagship Flush Mount Component Speaker Package

- Component Speaker Package
- 7" Carbon Fiber Cone Woofer
- Butyl Rubber Surround
- 1-Piece Cast Aluminum Basket
- 1" Titanium Hard Dome Tweeter
- 2-way Tweeter Mounting (Surface/Flush)
- Cast Aluminum Tweeter Housing
- Zobel Network Circuit for Woofer
- Exclusive Tweeter Protection Circuit -18dB/oct Crossover (HPF/LPF)
- Bi-Amp/Bi-Wire Capable
- 3-Point Tweeter Attenuator

XXV-01D XXV-02A XXV-03A XXV-05V

25th Anniversary Special Capacitors

Products created to celebrate the 25th anniversary feature specially developed power supply capacitors offering superior audio performance and high capacity. The aluminum electrolytic capacitors in this model were selected after extensive testing to provide the best matching. In particular, their leak current characteristics are drastically improved to provide higher audio quality over a longer life and allow more natural sound reproduction that is closer to the original.



XXV-01D



XXV-02A/03A



XXV-05V

XXV-05V

Copper-shielded chassis

The hideaway box incorporates a copper-plated chassis to block noise due to the electrical shielding effect and minimize stray current that can affect audio quality. In addition, analog circuitry includes a noise suppression sheet to reduce internal radiation.

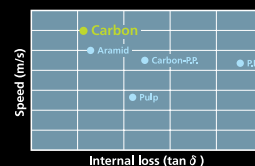


XXV-04S



Oversized Carbon Fiber Cone

The carbon fiber cone improves amplitude speed and response of the cone diaphragm reproducing higher sound quality. Moreover, with a larger cone size than conventional 6-3/4 inch models, much deeper bass output is realized.



High Linearity Spider

By changing the form of spider, mechanical stability and linearity under high excursion is highly improved while maintaining consistent excursion characteristics.

High Grade Strontium Magnet

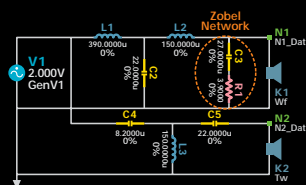
Diamond-cut Frame Design

Cast Aluminum Basket with Heat Transfer Motor Structure

Structure combines a cast aluminum basket and a magnetic circuit. Since the thermal conductivity of aluminum is higher than that of steel, it helps provide a smoother transmission of the heat generated around the voice coil. As a result, more power handling and stable sound quality reproduction is possible.

Zobel Network Circuit

Zobel circuit (consisting of a capacitor and a resistor) is adopted to create a constant speaker impedance level when measured from the amplifier side. The impedance match with the amplifier output side will be constant throughout the whole frequency range, meaning the speaker response will be constant no matter what the frequency is.



XXV-01D

OFC Cables

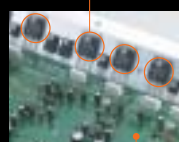
To ensure top quality and extreme performance from this special product, high quality OFC cables are used for the pre-outs and AUX inputs. OFC stands for Oxygen Free Copper, which is well known for clean sonic performance and is widely used in hi-end audio equipment. The strands are made from near 100% oxygen free copper, a process which completely removes any trace of oxygen from the wire surface during manufacture. Thanks to these improved electron flow cables, superior sound quality is assured.



XXV-02A

LAPT power transistors

These high-speed output transistors operate over an extremely wide frequency range, generating minimal distortion even at high currents.



XXV-02A

XXV-03A

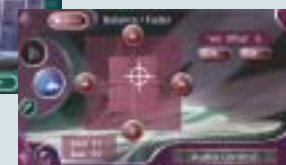
Glass epoxy PCB

This advanced PCB features larger circuit traces than conventional designs to allow greater current-handling capacity and assure stable power output. Improved circuit layout enhances frequency response characteristics and greater board rigidity serves to improve audio quality.

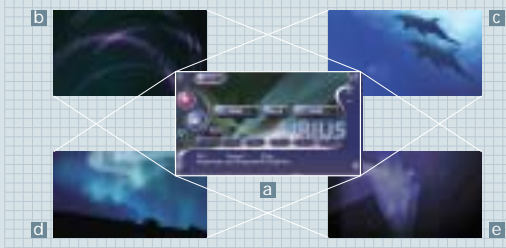
Mobile Video

GUI

Kenwood Excelon has been the market leader for its friendly Graphic User Interface that enables intuitive operation. This year, Dual DIN model comes into the family for a wider selection.



Wallpaper can be selected from five patterns.



JPEG, Easy Control

With Kenwood's new mobile video line-up, you will have a variety of entertainment in your car. The DDX8017 and KVT-817DVD can playback a MPEG1 and MPEG2 Video and JPEG files on the discs in addition to DVD Video, VCD and WMA/MP3 music. Watch movies, see your MPEG artwork, see a slide show of our family picture album, or listen to your favorite radio program with a touch of your finger.



Direct Touch

Direct Touch enables to choose the DVD menu in the various styles without using conventional cursors.



CS Automotive

Multi-channel surround is not only for DVD. Circle Sound Automotive creates 5.1ch listening experience from any non-encoded source including mono source. In addition, CS Automotive offers elevated sound image and enriched bass using FOCUS and Trubass features even through car speaker system with limitation in size and location. For cars with no center speaker, CS Automotive can create a phantom center speaker through CS II technology.





KVT-817DVD 7.0" Wide Fully Motorized Indash Monitor DVD/WMA/MP3 Receiver with 5.1ch DSP

- 7.0 inch Wide Color TFT Active Matrix Display
- Full-automatic Open/Close with slide and angle adjustments
- Interactive Touchscreen Control with GUI
- Audio Easy Control Mode while Playing Visual Source
- Selectable Wall Paper (5 Patterns)
- Secondary Display = 5 x 7 Dot Matrix LCD (Color: Blue, Red & Green)
- Installer/Backup Memory of Audio/Video Setup
- Maximum Output Power : 50W x 4 (MOSFET Power IC)
- Gold Plated 5.1ch Preouts with 5V Pre-output Level (Front/ Rear/ Center/ Subwoofer)
- 2RCA AV Inputs / 1 RCA AV Output
- Video Input for Rear View Camera
- RGB Input for Navigation System
- Dolby Pro Logic II / dts surround
- SRS WOW / Circle Surround Automotive
- 4 Band Parametric EQ/ Digital X'over/ Listening Position Control
- DVD Menu Direct Touchscreen Control
- MPEG 1/2 Video files (.mpg) and JPEG files (.jpg) Playback
- Dual Zone Source & Volume Control
- DVD±R/RW Compatible
- External Media Control — iPod Ready
- Optional TV Tuner (KTC-V500N)
- Optional Center Speaker Unit (KSC-510CTR)

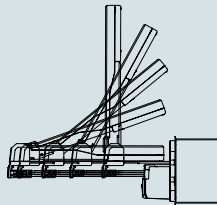


DDX8017 6.5" Wide Dual DIN Indash Monitor DVD/WMA/MP3 Receiver with 5.1ch DSP

- 6.5 inch Wide color TFT Active Matrix Display
- Motorized Slide-down Front Panel
- Interactive Touchscreen Control with GUI
- Audio Easy Control Mode while Playing Visual Source
- Selectable Wall Paper (5 Patterns)
- Installer/Backup Memory of Audio/Video Setup
- Maximum Output Power : 50W x 4 (MOSFET Power IC)
- Gold Plated 5.1ch Preouts with 5V Pre-output Level (Front/ Rear/ Center/ Subwoofer)
- 2 RCA AV Inputs/ 1 RCA AV Output
- Video Input for Rear View Camera
- RGB Input for Navigation System
- Dolby Pro Logic II / dts surround
- SRS WOW / Circle Surround Automotive
- 4 Band Parametric EQ/ Digital X'over/ Listening Position Control
- DVD Menu Direct Touchscreen Control
- MPEG 1/2 Video files (.mpg) and JPEG files (.jpg) Playback
- Dual Zone Source & Volume Control
- DVD±R/RW Compatible
- External Media Control — iPod Ready
- Optional TV Tuner (KTC-V500N)
- Optional Center Speaker Unit (KSC-510CTR)

"Z-ACTION" Fully Automatic Monitor Mechanism

Named for the distinctive "Z" form action as the display automatically slides out, rises to an ideal viewing angle (8 presets) and retracts horizontally to an optimum viewing distance (4 presets), the "Z-action" monitor mechanism features a slimmer design, enabling installation in a broader range of cars.



Secondary Display & Exposed Hard-Keys for Easy Operation with Monitor Closed

Even with the main display closed, operation of audio sources such as FM and the CD player are easy thanks to the secondary LCD display and hard-keys in the lower part of the panel.



Motorized Slide-down Front Panel

Automatically sliding into view, the motorized front panel can be easily adjusted for ideal viewing to one of 7 angle settings just by touching the GUI (Graphic User Interface) icon, even while watching the visual source.



DUAL ZONE

New KVT-817DVD and DDX8017 can control the front and rear zone volume separately from touchscreen or new remote controller.



Video Input for Rear View Camera

New KVT & DDX models are equipped with a dedicated rear view camera input. For connection with various types of cameras, they have a mirror mode that flips the image horizontally to provide you with proper perception.



KSC-510CTR
Powered Center Channel Speaker

- Powered Center Channel Speaker
- 2" Pulp Cone Woofer
- Hide-Away Power Amplifier Included
- Input Sensitivity Adjustment
- RCA input



KSC-310CCS
Center Channel Speaker

- Center Channel Speaker
- 2" Pulp Cone Woofer



KTC-V500N
Hide-away TV Tuner Unit

- NTSC TV Tuner
- 16 Preset Stations (TV1/TV2)
- Auto Memory
- Auto Seek

KNA-MP213
DVD Navigation Map for KNA-DV2100

CD Receivers_2005

CD Receivers

2005
09



ACDrive	AAC <i>wma mp3</i>
G-Analyzer	DSP
SRS	RDS
50Wx4 MOSFET	3 RCA 5V
AUX RCA Input	External Media Control

SIRIUS HD Radio

KDC-X889 AAC/WMA/MP3/CD Receiver with External Media Control

- Auto-Slide Detachable Faceplate
- Rotary Encoder & Jog Control Knob for Easy Operation
- 64 Color Fine Dot FL Display
- Display Customize Function
- Maximum Output Power : 50W x 4 (MOSFET Power IC)
- ACDrive (Advanced Codec Drive)
 - Voice Index browsing
 - Media Manager included
- AAC/WMA/MP3 Playback
- G-Analyzer (Graphic Motion Analyzer)
- Built-in DSP : DTA/System Q-ex(4band P-EQ)/Digital E's+/SRS WOW Digital Effect
- O.D.D. (Offset Dual Differential) D/A System for Sound Quality
- Installer/User/Backup Memory of Audio Setup
- SIRIUS Satellite Radio Ready
- HD Radio Ready
- External Media Control — iPod Ready
- Dual Zone Source & Volume Control
- AUX Input
- Gold Plated 3 Preouts with 5V Pre-output Level



ACDrive	AAC <i>wma mp3</i>
G-Analyzer	RDS
50Wx4 MOSFET	3 RCA 5V
AUX RCA Input	External Media Control

SIRIUS HD Radio

KDC-X789 AAC/WMA/MP3/CD Receiver with External Media Control

- Auto-Slide Detachable Faceplate
- Rotary Encoder & Jog Control Knob for Easy Operation
- 64 Color Fine Dot FL Display
- Display Customize Function
- Maximum Output Power : 50W x 4 (MOSFET Power IC)
- ACDrive (Advanced Codec Drive)
 - Voice Index browsing
 - Media Manager included
- AAC/WMA/MP3 Playback
- G-Analyzer (Graphic Motion Analyzer)
- System Q-ex/System E's+
- Installer/Backup Memory of Audio Setup
- SIRIUS Satellite Radio Ready
- HD Radio Ready
- External Media Control — iPod Ready
- Dual Zone Source & Volume Control
- AUX Input
- Gold Plated 3 Preouts with 5V Pre-output Level

ACDrive (Advanced Codec Drive)
powered by PhatNoise mCD technology



Step up to better file management and enhanced playback experience. **ACDrive** can help manage a huge library of compressed audio files using **PMM** (Phatnoise Media Manager). This user-friendly PC software allows file editing, ripping from CD, creating playlists and building text of speech files to allow Audible **Voice Index** browsing of **Playlist, Artist, Album, Genre** and **Folder** during playback in your car. In addition, ACDrive has the ability to **upgrade** to be compatible with new audio codecs that are released in the future simply through the internal **CD mechanism**. So enjoy the advanced desktop software that makes file management a breeze and have a safer playback experience in your vehicle.



PMM



G-Analyzer (Graphic Motion Analyzer)

You can now feel and see your driving force. **G-Analyzer** (Graphic Motion Analyzer) comes with 3 types of displays - **Lateral-G display**, **Real time G-Meter** and **G-Counter** that transforms gravity force into graphics and text data. There is even a **Stop Watch** function that starts automatically upon sensing movement of the vehicle.



Stop Watch

AAC Playback

Middle to high-end CD receivers can playback AAC-encoded CDRs created by PMM or other applications from iTunes.

Installer Memory / User Memory / Backup Memory

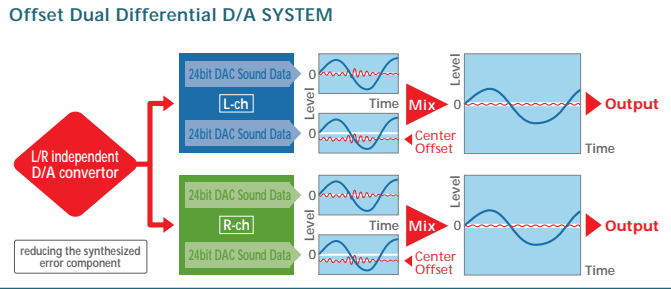
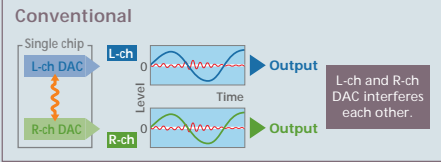
Digital Time Alignment, Digital Filters, Digital Parametric EQ and user preference settings will be saved in the memory, even after the power is lost from the system.

O.D.D. (Offset Dual Differential) D/A System

High sound quality is achieved with the new **O.D.D. D/A System** which eliminates the interference of audio signals between left and right channels and when combined with a **Burr-Brown 24bit D/A converter**, expect the purest in audio performance.



Burr-Brown Products
from Texas Instruments



Rotary Encoder & Control Knob/
New Remote Control

Not only elegant, but easy to use. All 2005 receivers have Rotary Encoder volume controls with audio control adjustments and Multifunction Control Knobs for operation within a particular source. A Dual Zone controllable remote makes a more complex system much easier to operate.



External Media Control

External Media Control allows **iPod connectivity** with Kenwood Excelon receivers, in addition to **Sirius Satellite Radio**, **HD Radio**, **Kenwood Excelon amplifiers** and **CD-changers**.

Ready for
iPod



2005
10

CD Receivers



KDC-X689

AAC/WMA/MP3/CD Receiver with External Media Control

- D-MASK+ Mortorized Self-Hiding Detachable Faceplate
- Rotary Encoder & Jog Control Knob for Easy Operation
- 3D-FL Dot Matrix Display (4-tone)
- Spectrum Analyzer
- Maximum Output Power : 50W x 4 (MOSFET Power IC)
- ACDrive (Advanced Codec Drive)
- AAC (Advanced Audio Coding) Playback
- WMA/MP3 Playback
- System Q-ex/System E's+
- Installer/Backup Memory of Audio Setup
- SIRIUS Satellite Radio Ready
- HD Radio Ready
- External Media Control
- Dual Zone Source & Volume Control
- AUX Input
- Gold Plated 3 Preouts with 5V Pre-output Level



KDC-X589

AAC/WMA/MP3/CD Receiver with External Media Control

- Auto-Slide Detachable Faceplate
- Rotary Encoder & Jog Control Knob for Easy Operation
- 14-Segment FL Display (8-Digit, Scroll On/Off selectable)
- Maximum Output Power : 50W x 4 (MOSFET Power IC)
- ACDrive (Advanced Codec Drive)
 - Voice Index browsing
 - Media Manager included
- AAC/WMA/MP3 Playback
- System Q-ex/System E's+
- Installer/Backup Memory of Audio Setup
- SIRIUS Satellite Radio Ready
- HD Radio Ready
- External Media Control — iPod Ready
- Dual Zone Source & Volume Control
- AUX Input with Optional Unit (CA-C1AUX or KCA-S210A)
- Gold Plated 3 Preouts with 4V Pre-output Level

Dual DIN / CD Changer



DPX-6020

Dual DIN Size CD/Cassette Receiver with DSP, Digital Crossover & Graphic Equalizer

- Motorized Flip-down Front Panel
- 10-Step Panel Angle Adjust with Last Position Memory
- 3-D FL Dot Matrix Display (4-tone)
- B.M.S. (Bass Management System)
- Maximum Output Power 47W x 4
- 2 Preouts
- AUX Input with Optional Unit
- Digital Direct to DSP Circuit (from CD)
- External Media Control
- DSP with Graphic Equalizer & Spectrum Analyzer
- Digital Crossover & Digital Time Alignment



KDC-CX87

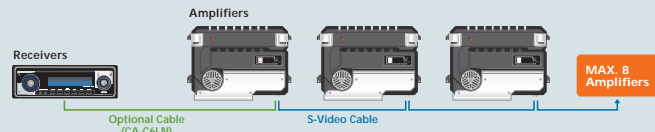
10 Disc CD Changer

- Stacking Capability
- D.R.I.V.E for high sound quality
- AUX Input
- CD Text
- 10 Disc Capacity
- DNPS (100 Discs)
- CDR/CD-RW Compatible

Power Amplifiers & Speakers_2005

Amplifiers

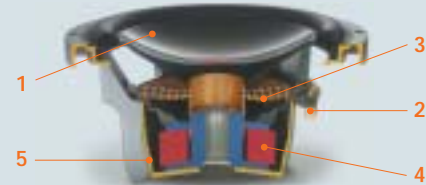
Kenwood Excelon amplifiers deliver high power with superior audio quality, enhanced functionality and greater ease of operation. Our innovative A.M.S. (Amplifier Management System) enables control of EQ frequency level and Q factor from the head unit. Not only on the built-in LCD display, but the head unit can also display the operation information such as voltage, current, temperature and fan speed. What's more, you can add and control up to a total of eight amplifiers separately.



Speakers

Kenwood Excelon speakers are completely redesigned for 2005 to achieve the real sound in higher stage, featuring carbon-P.P. hybrid cones with increased surface area, cast aluminum basket chosen for their high thermal conductivity or unique off-centered tweeter design.

Subwoofers



1. Oversized Cone & High Excursion Wide Roll Surround

By adopting an oversized cone combined with a larger edge roll surround dimensions than conventional models, effective piston area is greatly expanded. That makes possible the reproduction of more linear excursion and much deeper bass output.

2. Easy Connection Speaker Terminal (Dual Voice Coil, 8-gauge Speaker Wire Capable)

Newly equipped rolet terminals have the capability to use even 8-gauge speaker wire. In addition, wiring of the Dual Voice Coil has become much easier by positioning all four terminals on one side. Also, the shorting plug wire enables easy & smart series / parallel / Bi-Amp wiring.



3. A.F.C. Nomex Spider

It's made of the structure of sewing lead wire with balance in the direction of 180 degree. That optimizes the weight balance of an oscillating system and improves mechanical stability under high excursion.

4. Massive Dual Magnets Motor Drive

By stacking 2 magnets, the driving force of a magnetic circuit is highly strengthened. It creates powerful linear motors for heavy bass output.

5. Cast Aluminum Basket with Heat Transfer Motor Structure

Since the thermal conductivity of aluminum is higher than that of steel, aluminum die-cast basket and a magnetic circuit helps provide a smoother transmission of the heat generated around the voice coil. As a result, more power handling and stable sound quality reproduction is possible.

200512

Power Amplifiers



MAX POWER 1600W

KAC-X811D

High Performance Mono Power Amplifier

- Class D Amplifier Circuit
 - A.M.S. (Amplifier Management System)
 - Built in Parametric EQ Control
 - AMP Information Display (Voltage, Current, Temperature, Cooling Fan Speed)
 - Built-in Variable Low-pass Filter
- Built-in Infrasonic Filter
 - 1Ω Load Capability
 - Gold Plated Input/Output Terminals
 - Line Output Terminals (RCA) for Extension
 - 2-Speed Cooling Fan
 - Detachable Aluminum Dress Plate



MAX POWER 960W

KAC-X541

High Performance 4-channel Power Amplifier

- A.M.S. (Amplifier Management System)
 - Built in Parametric EQ Control
 - AMP Information Display (Voltage, Current, Temperature, Cooling Fan Speed)
 - Built-in Variable Low-pass/ High-pass Filter
- Built-in Infrasonic Filter
 - Gold Plated Input/Output Terminals
 - Line Output Terminals (RCA) for Extension
 - 2-Speed Cooling Fan
 - Detachable Aluminum Dress Plate



MAX POWER 1200W

KAC-X621

High Performance 2-channel Power Amplifier

- A.M.S. (Amplifier Management System)
 - Built in Parametric EQ Control
 - AMP Information Display (Voltage, Current, Temperature, Cooling Fan Speed)
 - Built-in Variable Low-pass/ High-pass Filter
- Built-in Infrasonic Filter
 - Gold Plated Input/Output Terminals
 - Line Output Terminals (RCA) for Extension
 - 2-Speed Cooling Fan
 - Detachable Aluminum Dress Plate



MAX POWER 1000W

KAC-X521

High Performance 2-channel Power Amplifier

- A.M.S. (Amplifier Management System)
 - Built in Parametric EQ Control
 - AMP Information Display (Voltage, Current, Temperature, Cooling Fan Speed)
 - Built-in Variable Low-pass/ High-pass Filter
- Built-in Infrasonic Filter
 - Gold Plated Input/Output Terminals
 - Line Output Terminals (RCA) for Extension
 - 2-Speed Cooling Fan
 - Detachable Aluminum Dress Plate

CA-C6LN 5L Cable for A.M.S.

SPECIFICATIONS

	KAC-X811D	KAC-X621	KAC-X521	KAC-X541
Power Output	400 Watts x 1 (20-20kHz, 0.5%THD)	150 Watts x 2 (20-20kHz, 0.05%THD)	125 Watts x 2 (20-20kHz, 0.05%THD)	60 Watts x 4 (20-20kHz, 0.05%THD)
■ 4 Ohm@14.4V	800 Watts x 1 (100Hz, 0.5%THD)	300 Watts x 2 (1kHz, 0.5%THD)	250 Watts x 2 (1kHz, 0.5%THD)	120 Watts x 4 (1kHz, 0.5%THD)
■ 2 Ohm@14.4V	—	600 Watts x 1 (1kHz, 0.5%THD)	500 Watts x 1 (1kHz, 0.5%THD)	240 Watts x 2 (1kHz, 0.5%THD)
■ Bridged@14.4V	Over 1,000 Watts x 1 (100Hz, 1.0%THD)	—	—	—
■ 1 Ohm@14.4V	1,600 Watts	1,200 Watts	1,000 Watts	960 Watts
■ Maximum Output Power	1,600 Watts	1,200 Watts	1,000 Watts	960 Watts
Power Output : CEA-2006 Standard				
■ RMS Power Output	533W (1.0% THD+N) (4-ohm/1ch)	179W (1.0% THD+N) (4-ohm/2ch)	165W (1.0% THD+N) (4-ohm/2ch)	88W (1.0% THD+N) (4-ohm/4ch)
■ RMS Power Output	919W (1.0% THD+N) (2-ohm/1ch)	305W (1.0% THD+N) (2-ohm/2ch)	254W (1.0% THD+N) 1kHz (2-ohm/2ch)	124W (1.0% THD+N) (2-ohm/4ch)
■ Audio Features				
■ Low-Pass Filter	50Hz-200Hz (Variable), 24dB/oct	50Hz-200Hz (Variable), 24dB/oct	50Hz-200Hz (Variable), 24dB/oct	50Hz-200Hz (Variable), 24dB/oct (Bch)
■ High-Pass Filter	—	50Hz-200Hz (Variable), 12dB/oct	50Hz-200Hz (Variable), 12dB/oct	50Hz-200Hz (Variable), 12dB/oct (A+Bch)
■ Variable Band Reject Filter	40Hz-200Hz (Variable), Off/-6dB/-12dB	—	—	—
■ Infrasonic Filter	Off/15Hz/25Hz(Selectable), 24dB/oct	Off/15Hz (Selectable), 24dB/oct	Off/15Hz (Selectable), 24dB/oct	Off/15Hz (Selectable), 24dB/oct (Bch)
■ Bass Frequency Control	60Hz/80Hz/100Hz/200Hz	60Hz/80Hz/100Hz/200Hz	60Hz/80Hz/100Hz/200Hz	60Hz/80Hz/100Hz/200Hz(Ach)
■ Bass Level Control	-15 to 15dB	-15 to 15dB	-15 to 15dB	-15 to 15dB (Ach)
■ Bass Q Factor Control	1.00/1.25/1.50/2.00	1.00/1.25/1.50/2.00	1.00/1.25/1.50/2.00	1.00/1.25/1.50/2.00(Ach)
■ Treble Frequency Control	—	10kHz/12.5kHz/15kHz/17.5kHz	10kHz/12.5kHz/15kHz/17.5kHz	10kHz/12.5kHz/15kHz/17.5kHz (Ach)
■ Treble Level Control	—	-15 to 15dB	-15 to 15dB	-15 to 15dB (Ach)

Subwoofers

200513



MAX POWER 2000W

KFC-XW1300DVC

13" High Performance Subwoofer

- 13" PBO diaphragm cone woofer
 - 2-Piece Cast Aluminum frame
 - Dual Bias Magnetic Circuit
 - Double-stacked Magnet System
 - Conex dual spider
- Dual Voice Coil system (3Ω+3Ω)
 - One-piece NBR surround and gasket
 - Overload Protection System
 - Gold-plated screw lock terminals



MAX POWER 1600W

KFC-XW1100DVC

11" High Performance Subwoofer

- 11" PBO diaphragm cone woofer
 - 2-Piece Cast Aluminum frame
 - Dual Bias Magnetic Circuit
 - Double-stacked Magnet System
 - Conex dual spider
- Dual Voice Coil system (3Ω+3Ω)
 - One-piece NBR surround and gasket
 - Overload Protection System
 - Gold-plated screw lock terminals



MAX POWER 1200W

KFC-XW1202DVC

Oversized 12" Dual Voice Coil Subwoofer

- Dual Voice Coil Subwoofer
 - Oversized 12" Carbon-PP Hybrid Cone Woofer
 - 1-Piece Cast Aluminum Basket
 - Dual Magnet Drive
 - Easy Connection Speaker Terminal (Series/Paralles/BI-amp)
- AFC Damper
 - High-Roll Butyl Rubber Surround
 - Supplied with Shorting Cable for Flexible Connection



MAX POWER 1000W

KFC-XW1002DVC

Oversized 10" Dual Voice Coil Subwoofer

- Dual Voice Coil Subwoofer
 - Oversized 10" Carbon-PP Hybrid Cone Woofer
 - 1-Piece Cast Aluminum Basket
 - Dual Magnet Drive
 - Easy Connection Speaker Terminal (Series/Paralles/BI-amp)
- AFC Damper
 - High-Roll Butyl Rubber Surround
 - Supplied with Shorting Cable for Flexible Connection

SPECIFICATIONS

	KFC-XW1300DVC		KFC-XW1100DVC		KFC-XW1202DVC		KFC-XW1002DVC	
■ Type	Subwoofer		Subwoofer		Subwoofer		Subwoofer	
■ Power Handling	2,000 Watts		1,600 Watts		1,200 Watts		1,000 Watts	
■ Sensitivity	82dB/W/m		79dB/W/m		93dB/W/m		91dB/W/m	
■ Impedance	3 ohms + 3 ohms		3 ohms + 3 ohms		2 ohms + 2 ohms		2 ohms + 2 ohms	
■ Frequency Response	30Hz - 1kHz		36Hz - 1kHz		20Hz - 400Hz		27Hz - 400Hz	
■ Magnet Weight	2-Piece, 175oz(10.9 lb)		2-Piece, 109.4oz(6.8 lb)		2-Piece, 85.2oz		2-Piece, 59.8oz	
■ Mounting Depth	9.7"		8.5"		5-15/16"		5-1/4"	
■ Thiele-Small Parameters								
■ DC Resistance (Re)	2.6 ohms + 2.6 ohms		2.6 ohms + 2.6 ohms		1.8 ohms +1.8 ohms		1.8 ohms +1.8 ohms	
■ Resonant Frequency (Fs)	30Hz		36Hz		23Hz		34Hz	
■ Mechanical Q Factor (Qms)	4.03		4.06		4.51		4.15	
■ Electrical Q Factor (Qes)	0.52		1		0.36		0.42	
■ Total Q Factor (Qts)	0.46		0.81		0.33		0.38	
■ Volume Acoustic Compliance (VAS)	55 liters/1.945 cu. Ft.		22 liters/0.777 cu. Ft.		94.16 liters/3.323 cu. Ft.		37.25 liters/1.315 cu. Ft.	
■ Moving Mass (Mms)	270g		200g		220g		121.5g	
■ Voice Coil Diameter	3.15"		2.56"		2-9/16"		2-1/16"	
■ Force Factor Bl	22 Tm		14.5 Tm		9.4 Tm		7.4 Tm	
■ Peak Excursion (Xmax)	13mm		14mm		6.4mm		6mm	
■ Recommended Enclosure	Sealed	Vented	Sealed	Vented	Sealed	Vented	Sealed	Vented
■ Volume (cu.ft)	1.8	3.2	1.2	2.1	1.0	1.5	0.8	1.0
■ W	15-5/8"	23-1/16"	13-5/8"	17-9/16"	14-5/8"	17-9/16"	13-5/8"	13-5/8"
■ H	15-5/8"	17-9/16"	13-5/8"	15-5/8"	13-5/8"	15-5/8"	12-7/16"	16-9/16"
■ D	12-7/16"	12-7/8"	10-7/8"	12-7/8"	14"	13-5/8"	12-13/16"	11-11/16"
■ Mounting Hole	12-1/2"		10-5/8"		10-13/16"		8-15/16"	
■ Port Diameter	—	4"	—	4"	—	3"	—	3"
■ Port Length	—	7"	—	6-1/3"	—	5"	—	4"
■ Displacement (cu.ft)	0.46		0.24		0.067		0.035	



KFC-X1700P **MAX POWER 220W**
High Performance Flush Mount Component Speaker Package

- Component Speaker Package
- 6-3/4" Cabon-PP Hybrid Cone Woofer
- Butyl Rubber Surround
- Cast Aluminum Basket
- Supplied with adapter for 6-1/2" Size Installation
- 1" Tetlon Soft Dome Tweeter
- 2-way Tweeter Mounting (Surface/Flush with Swivel-20°)
- High-Quality Compact Size Crossover Network
- Zobel Network Circuit for Woofer
- Tweeter Protection Circuit
- 3-Point Tweeter Attenuater



KFC-X1300P **MAX POWER 180W**
High Performance Flush Mount Component Speaker Package

- Component Speaker Package
- 5-1/4" Cabon-PP Hybrid Cone Woofer
- Butyl Rubber Surround
- Cast Aluminum Basket
- 1" Tetlon Soft Dome Tweeter
- 2-way Tweeter Mounting (Surface/Flush with Swivel-20°)
- High-Quality Compact Size Crossover Network
- Zobel Network Circuit for Woofer
- Tweeter Protection Circuit



KFC-X1700 **MAX POWER 220W**
2-way Flush Mount Speaker System

- 2-Way 2-Speaker System
- 6-3/4" Cabon-PP Hybrid Cone Woofer
- Butyl Rubber Surround
- Cast Aluminum Basket
- Supplied with adapter for 6-1/2" Size Installation
- 3/4" Tetlon Soft Dome Tweeter
- Swivel Tweeter Bridge Mounting



KFC-X170 **MAX POWER 200W**
2-way Flush Mount Speaker System

- 2-Way 2-Speaker System
- 6-3/4" Cabon-PP Hybrid Cone Woofer
- Butyl Rubber Surround
- Steel Basket
- Supplied with adapter for 6-1/2" Size Installation
- 3/4" Silk Soft Dome Tweeter
- Off-Centered Tweeter Mount



KFC-X1300 **MAX POWER 180W**
2-way Flush Mount Speaker System

- 2-Way 2-Speaker System
- 5-1/4" Cabon-PP Hybrid Cone Woofer
- Butyl Rubber Surround
- Cast Aluminum Basket
- 3/4" Tetlon Soft Dome Tweeter
- Swivel Tweeter Bridge Mounting



KFC-X130 **MAX POWER 160W**
2-way Flush Mount Speaker System

- 2-Way 2-Speaker System
- Oversized 5-1/4" Cabon-PP Hybrid Cone Woofer
- Butyl Rubber Surround
- Steel Basket
- 3/4" Silk Soft Dome Tweeter
- Off-Centered Tweeter Mount

SPECIFICATIONS

	KFC-X1700P	KFC-X1300P	KFC-X1700	KFC-X170	KFC-X1300	KFC-X130
Type	Component Package	Component Package	2-way 2-speaker	2-way 2-speaker	2-way 2-speaker	2-way 2-speaker
Power Handling	220 Watts	180 Watts	220 Watts	200 Watts	180 Watts	160 Watts
Sensitivity	92dB/W/m	91dB/W/m	92dB/W/m	92dB/W/m	91dB/W/m	91dB/W/m
Impedance	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms
Frequency Response	35Hz - 30kHz	40Hz - 30kHz	35Hz - 25kHz	35Hz - 25kHz	40Hz - 25kHz	40Hz - 25kHz
Magnet Weight	(W)11.6oz/(T)0.39oz	(W)8.1oz/(T)0.39oz	11.6oz	11.6oz	8.1oz	8.1oz
Mounting Depth	2-7/16"	2-1/16"	2-7/16"	2-5/16"	2-1/16"	2-3/8"



KFC-X6900 **MAX POWER 350W**
3-way Flush Mount Speaker System

- 3-Way 3-Speaker System
- 6 x 9" Carbon-PP Hybrid Cone Woofer
- Butyl Rubber Surround
- Cast Aluminum Basket
- Network Board on the Terminal
- 1-15/16" PEI Cone Midrange
- 1" PEI Balanced Dome Tweeter
- Off-Centered Tweeter Mount



KFC-X690 **MAX POWER 330W**
2-way Flush Mount Speaker System

- 2-Way 2-Speaker System
- 6 x 9" Carbon-PP Hybrid Cone Woofer
- Butyl Rubber Surround
- Steel Basket
- 1-9/16" PEI Balanced Dome Tweeter
- Off-Centered Tweeter Mount



KFC-X680 **MAX POWER 280W**
2-way Flush Mount Speaker System

- 2-Way 2-Speaker System
- 6 x 8" Carbon-PP Hybrid Cone Woofer
- Butyl Rubber Surround
- Steel Basket
- 1-3/16" PEI Balanced Dome Tweeter



KFC-X460 **MAX POWER 100W**
2-way Flush Mount Speaker System

- 2-Way 2-Speaker System
- 4 x 6" Carbon-PP Hybrid Cone Woofer
- Butyl Rubber Surround
- Steel Basket
- 1" PEI Balanced Dome Tweeter



KFC-XT15ie **MAX POWER 200W**
High Performance Component Tune-Up Tweeter

- High Performance Component Tune-Up Tweeter
- 3/4" Titanium Dome Tweeter
- Image Enhancer
- 3-Way Mounting : Flush/Surface/Angle Mount

SPECIFICATIONS

	KFC-X6900	KFC-X690	KFC-X680	KFC-X460	KFC-XT15ie
Type	3-way 3-speaker	2-way 2-speaker	2-way 2-speaker	2-way 2-speaker	Tweeter
Power Handling	350 Watts	330 Watts	280 Watts	100 Watts	200 Watts
Sensitivity	92dB/W/m	92dB/W/m	91dB/W/m	90dB/W/m	91dB
Impedance	4 ohms	4 ohms	4 ohms	4 ohms	4 ohms
Frequency Response	25Hz - 32kHz	28Hz - 25kHz	35Hz - 25kHz	40Hz - 25kHz	3.5kHz - 90kHz
Magnet Weight	17.6oz	17.2oz	10.0oz	5.3oz	0.26 oz
Mounting Depth	3-1/4"	3-3/8"	2-1/2"	1-3/4"	—