



### TABLE OF CONTENTS

KENERGY	Kenergy	4	•
	Mobile Uideo Technology	6	
	Mobile Uideo Features	7	-
	Head Unit Technology	8	
	Head Unit Features	10	-
-	Power Amplifier Technology	14	
7	Power Amplifier Features	16	

•	dB+ Technology dB+ Features	18
	Speaker Technology Speaker Features	55
-	Optional Necessities	96
	Specifications	20

### Excelon

### WHAT CAR AUDIO SYSTEMS SHOULD BE

Excelon components are designed to be "Excellent." And they are. There's D MASK+, the world's only self-hiding, revolving, removable faceplate. PowerSlide amps that combine more power, sound control, and circuit protection than you'll find anywhere else. Our new dB+ full range speakers with the PBO advanced fiber woofer cone (the fiber that's superior to any other speaker material). And KEX Sound Control, an incredibly sophisticated technology that gives you complete audio control at your fingertips. Put everything together in a system with Kenergy, and the only thing left to say is, "Excellent."



### WE DO IT WITH KENERGY

Kenergy is the ability of our components to interact - to talk to, react to, and perform together as a total system. Kenwood eXcelon products with Kenergy include: **HEAD UNITS that control** amplifiers, AMPLIFIERS that precisely tune woofers, and WOOFERS that rock hard and are controlled by our amplifier's special circuits. Kenergy gives you what you want when you want it with BMS, PowerSlide, Sigma Servo, and other unique technologies. Listen for yourself — this is what car audio should be!

### HEAD UNITS WITH UNHERRO-OF CONTROL

KEX & System E's+ work together to provide frequency control never before available in a head unit. With KEX you can boost or cut precise frequencies. With System E's+ crossover filters you control which frequency range is sent to which speakers. Together, these exclusive technologies let you play music louder than ever before with perfect clarity—and customized to your tastes.



### WOOFERS

Our subs have special terminals that link to an Excelon amp's Sigma Servo circuit. That lets the amp actually sense and control the subwoofer, giving it more punch than a SWAT team.

### FULL RANGE SPERKERS

PBO advanced fiber woofer cone provides the strength and stiffness. An aluminum voice coil is used to provide higher sensitivity. And bi-wiring lets you power the woofer and tweeter separately for extremely low distortion and clarity that is unmatched.

### AMPS WITH BMS AND POWERSLID€

Bass Management System (BMS) Lets you pump up the amp's bass output 6 or 12 dB from the head unit, while the PowerSlide door opens to cool things off under heavy demands.





### LZ-700W: LARGE, HIGH-REZ SCREEN... WITH TOUCH-PANEL CONTROL

Our 7" diagonal, 16:9 format LCD screen is one of the largest and highest resolution screens available for in-vehicle use. It can show widescreen format movies across the entire screen, and allows you to choose from normal, full, and zoom viewing modes. The screen itself is also a touchscreen, with complete video source switching controls.

### P907: FLIP-UP VIDEO **MONITOR AND CD** PLAYER- IN THE SPACE OF A RADIO

At first glance, the Kenwood Excelon Mobile Monitor/CD Player appears to be a normal indash CD player, with convenient CD controls along the unit's bottom. Push a button, though, and a high-definition screen slides smoothly out. Flip it up, tilt it to the left or right for a perfect viewing angle, and enjoy virtually any video source: TV (with its built~in tuner) or an optional UCR, DUD player, or game system. Or use the complete set of CD controls, including advanced features such as disc and track naming. When you're done, flip the screen down, and it automatically retracts.

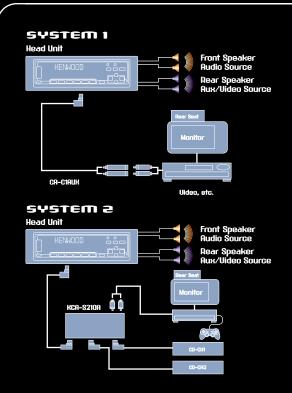
### P907

### IN-DASH MOBILE MONITOR/CD PLAYER WITH TV TUNER

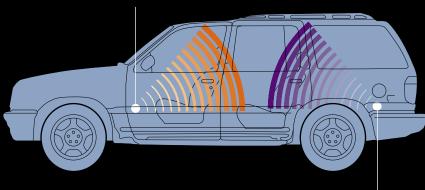


- Touch Screen GUI Control
- DIN-Size In Dash Mounting • 5.8" Wide Retractable LCD Screen
- Widescreen (16:9) Aspect Ratio
- Adjustable Video Screen **Viewing Angle**
- Selectable Screen Viewing Modes
- Built-In TV Tuner
- Built-In Single Disc CD Player with Changer Control
- System E's+ Crossover System
- 4V Preamp Output
- Front and Rear Preamp Outputs
- Grip-Type Full-Function Remote
- DDS
- Maximum Power: 40 Watts x 4
- Full Bandwidth Power
- (less than 1% THD): 22 Watts x 4 • 2 Audio/Video Inputs
- 1 Audio/Video Output

### DUAL ZONE HEAD UNIT CONTROL



### FRONT SPEAKER: AUDIO SOURCE



### REAR SPEAKER: AUH SOURCE

The Dual Zone feature allows separate audio sources to play in the front and rear of a vehicle, and is excellent for mobile video. An additional audio source, such as the audio output of a video unit, can be connected to the head unit's auxiliary input and played through the rear speaker outputs or preouts—perfect for entertaining passengers in the back with a movie while the driver and front passenger listen to music.

### **VIDEO SYSTEMS**

### LZ-700W

WIDESCREEN MOBILE TELEVISION



### **Key Features**

- 7" Wide LCD Screen
- Widescreen (16:9) Aspect Ratio
- High Resolution (336,960 Pixels)
- Selectable Screen Viewing Modes
- Optical Touch Screen Control
- Built-In TV Tuner
- 2 Audio/Video Inputs
- 1 Audio/Video Output

### KCA-RC800AV

AUDIO/VIDEO REMOTE

- Pre-programmed to control other manufacturer's video products
- Learning Capable
- Compact size, easy to hold and use
- Easy to set up
- Controls any combination of up to four components:
- ~ Audio
- ~ UCR
- ~ DUD
- ~ Monitor/TU
- Controls all Kenwood remote-capable products



# head units



### KEN

KEX is our way of saying Sophisticated Total. Sound Control. To fine tune your system just right you can choose any one of four treble centerpoints, and five bass centerpoints, and then adjust the level as much as +/-12dB. You can also adjust the bass Q (the range of frequencies affected by the bass control) by four steps. When you find a setting you like, you can save it for instant recall in one of the six user presets.

### D MASK + AND D MASK

Choice is a good thing. (Our engineers think so.) So we improved on the basic concept of MRSK and made the faceplate detachable.

Introducing D MRSK + and D MRSK. When your car's ignition is turned off, you have a choice. The faceplate revolves 90° (automatically or manually) and pauses. Remove the faceplate and take it with you, or have the faceplate continue its rotation, showing only a black panel that hides any trace of your sophisticated car stereo. D MRSK + and D MRSK let you choose the best option for whatever the situation, be it the valet parking lot or your garage.

### FLUORESCENT DISPLAYS

Many of our head units feature a bright multi-color fluorescent display, active graphics, and a 10 step brightness adjustment.

### WHITE LED DISPLAY

Other white displays use phosphor sheets that can fade, becoming unreadable. Ours use phosphor-coated LEDs-they're brighter, easier to read from different angles, and last up to twenty-five times longer. They also feature a 10 step contrast adjustment and 2-step dimmer.

### MENU SYSTEM

Accessing all the features on our head units is easy, thanks to a simple menu system. Hold down the AUDIO button for a few seconds and the menu will appear offering adjustments and options for everything from System E's+ frequencies to display options.

### D MASK+

Should it stay or should it go? (The faceplate, that is.) Kenwood gives you the choice. Introducing D MASK+

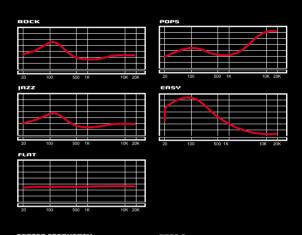
— an advancement or our revolutionary MASK fully automatic revolving, self-hiding faceplate. This year, Kenwood engineers have added a removable faceplate to MASK. When the power is turned off, the D MASK+ faceplate revolves to a standby position and remains there for a few seconds (you decide how long). If you wish, you can detach it. Otherwise, D MASK+ continues revolving, until it shows only a blank panel. D MASK+ models also include the MASK angle adjustment, which lets you choose the angle that maximizes visibility in your installation (particularly if the unit is mounted low in the dashboard).

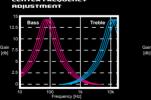


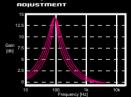
### D MASK

Kenwood also introduces D MASK, which combines a manual

MASK mechanism with a removable faceplate. Like D MASK+, you choose whether to remove the faceplate or not. The D MASK faceplate flips down at the touch of a button, allowing you to remove it or manually flip the whole faceplate over so that it shows only a blank panel. When it comes to D MASK+ and D MASK faceplates, you can take them or leave them. Its your choice.







### KEH SOUND CONTROL

Kenwood gives you the control you need to make any car or speaker configuration sound just the way you want it. KEX features 5 different preset equalization settings (Rock, Top 40, Jazz, Easy and Flat), letting you customize the sound to match your taste and the type of music you are listening to.

KEX Sound Control gives you even more customizing options than ever before. You may select any one of four treble centerpoints (10/12.5/15/17.5kHz), and five bass centerpoints (60/70/80/100/150Hz)— each of which can be adjusted by +/~ 12dB. You can also adjust the bass Q-factor settings by four steps (1.0/1.25/1.5/2.0). And there's even a Bass Expander mode: The Q boost curve is expanded 25%, but only on the low side of the centerpoint, avoiding the "boomy-ness" of a wide Q. Plus, you can save any setting as one of 6 different user presets and instantly recall it.

And KEX works great with Source Tone Memory. Try this ... With KEX you create the perfect sound for your favorite CD. You switch to FM and adjust KEX for your favorite FM music station. Later, you switch back to CD and Source Tone Memory restores all. your prior KEX CD player settings. (And you don't even have to burn a preset.)

With this setup, no matter what kind of music you enjoy, or how loud you enjoy it, Kenwood will make it sound its best. You now have total control.

### **45 WATTS OF POWER**

Kenwood's top head units now produce 45 watts of maximum power per channel through four channels. The full bandwidth rating, which is performance at less than 1% total harmonic distortion (THD), is 22 watts per channel.

### HIGH-VOLTAGE PRE-DUTS

When a head unit produces more voltage, it produces a higher sound level above a system's noise floor (the electrical noise and RF interference that exists in any system.) In practice, this means much cleaner sound overall. Several Kenwood models offer 4.5-volt preouts—over double the typical 2-volt output.

### **GRIP REMOTE**

All Kenwood Excelon head units now come with a "Grip" remote that fits comfortably in your hand, with a groove in back for your index finger and the buttons placed for easy operation.

### DRIVE DISTORTION REDUCTION FILTER

As clean as CD sound is, it still contains digital distortion introduced by the digital mastering process itself which represents smooth analog sound waves as square stair-steps. Our patented DRIVE circuitry actually restores the natural waveshape, virtually eliminating this distortion, and giving music a more realistic, alive sound.

### DOSC (DIGITAL OPTIMUM SERVO CONTROL)

Kenwood CD players use DOSC, a technology that can actually read through dirty and scratched CDs and can also automatically adjust to the differences in reflection rates between different CDs (the reason one CD might play fine in one CD player and skip in another.) DOSC can adjust both laser gain and balance in 256 steps, thousands of times a second, enabling it to read even the most difficult discs.



### CD RECEIVERS

### KDC-X915







CD RECEIVER





### **Key Features**

- D MASK+ Motorized Self-Hiding Removable Faceplate with Carrying Case
- KEX Sound Control System
- System E's+ Advanced Crossover System
- PowerSlide/B.M.S. Interface: with Compatible Amplifier
- DRIVE Distortion Reduction Circuitry
- High Voltage Preamp Output
- Front, Rear, and Non-Fading Gold-Plated RCA Preouts (4.5V)
- Dual~Zone Audio Control
- Full-Function 10-Key Remote: Grip-Type
   Optional External Heads-Up Display and Weather Band Tuner

### **Key Features**

- Maximum Output Power: 45 Watts x 4
- Full Bandwidth Power (less than 1% THD): 22 Watts x 4
- D MASK+ Motorized Self-Hiding Removable Faceplate with Carrying Case
- KEX Sound Control System
- System E's+ Advanced Crossover System
- PowerSlide/B.M.S. Interface: with Compatible Amplifier
- DRIUE Distortion Reduction Circuitry
- High Voltage Preamp Output
- Front, Rear, and Non-Fading Gold-Plated RCA Preouts (4.5V)
- Dual~Zone Audio Control
- Full-Function 10-Key Remote: Grip~Type
- Optional External Heads-Up Display and Weather Band Tuner

### **2919**

### CD/MP3 RECEIVER



### **Key Features**

- Plays MP3-Encoded CD-Rs and Conventional CDs
- Maximum Output Power: 45 Watts x 4
- Full Bandwidth Power (less than 1% THD): 22 Watts x 4
- Motorized Faceplate
- System E's+ Advanced Crossover
- DRIVE Distortion Reduction Circuitry
- Front, Rear and Non-Fading Gold-Plated RCA Outputs
- Full-Function 10-Key Remote Control

### A-CIAUX AUXILIARY INPUT ADAPTER



Allows any player with an analog audio output to be played through any Kenwood head unit that has changer control.



### **KDC-X715**

CD RECEIVER







### **Key Features**

- Maximum Output Power: 45 Watts x 4
- Full Bandwidth Power (less than 1% THD): 22 Watts x 4  $\,$
- D MASK+ Motorized Self-Hiding Removable Faceplate with **Carrying Case**
- KEX Sound Control System
- System E's+ Advanced Crossover System
- PowerSlide/B.M.S. Interface: with Compatible Amplifier
- DRIVE Distortion Reduction Circuitry
- High Voltage Preamp Output
- Front and Rear RCA Preouts (4.5U)
- Dual~Zone Audio Control
- Full-Function 10-Key Remote:
- Optional External Heads-Up Display and Weather Band Tuner

### KDC-X615

CD RECEIVER





### **Key Features**

- Maximum Output Power: 45 Watts x 4
- Full Bandwidth Power (less than 1% THD): 22 Watts  $\times\,4$
- D MASK Removable Faceplate with Carrying Case
- KEX Sound Control System
- System E's+ Advanced Crossover System
- PowerSlide/B.M.S. Interface: with Compatible Amplifier
- Front and Rear RCA Preouts
- Full-Function 10-Key Remote: Grip~Type
- Optional External Heads-Up Display Weather Band Tuner, and Sensor Box

## Head Unit

### WWW.YOURMUSIC WITHOUT THE DOT-COM MP3 FOR YOUR CAR

Kenwood has two great ways to play your MP3 files:

2919 Head Unit - Burn your favorite MP3's onto a CD-ROM (hours and hours worth if you want), and enjoy your music files with Kenwood's MP3 compatible 2919.

CA-C1AUX Auxiliary Input Adapter - Connect your portable MP3 player (or any A/U source with an analog audio output) to any Kenwood head unit with a DIN style CD changer input. Once the adapter is connected, you can listen to your favorite MP3 songs through your car stereo.

You've spent valuable time collecting your favorite music. Now break free from the net and enjoy it on the road, with a Kenwood.







### KRC-X858 CASSETTE RECEIVER













### **Key Features**

- Maximum Output Power: 45 Watts x 4
- Full. Bandwidth Power (less than 1% THIO; 22 Watts x 4
- . D MRSK+ Motorized Self-Hiding Removable Faceplate
- KEX Sound Control System
- System E's Advanced Crossover System
- . PowerStide/B.M.S. Interface: with Compatible Amplifier
- Front and Rear Gold-Plated RCR Preouts (4.50)
- Duat-Zone Audio Controt.
- . Dolby Noise Reduction: B
- Full.-Function 10-Key Remote: Grip-Type
- Optional External Heads-Up Display and Weather Band Tuner

**Key Features** 

- Maximum Output Power: 45 Watts x 4
- Full Bandwidth Power
- Gess than 1% THD0: 22 Watts x 4 . D MRSK+ Motorized Self-Hiding Demovable Faceplate
- HEX Sound Control System
- System E's + Advanced Crossover
- · PowerStide/B.M.S. Interface: with Compatible Amplifier
- Changer Control.
- Front, Rear, and Non-Fading Gold-Plated RCR Preputs (4.50)
- Dual-Zone Audio Control.
- Full-Function 10-Key Remote: Grip-Type
- Optional External Heads-Up Display and Weather Band Tuner



### **Key Features**

- 10-Disc Capacity
- . Compatible with All Kenwood Units with Changer Confrol.
- . Digital to Analog Converter: 20-Bit Resolution Integrated Quad 1-Bit
- . Digital Fitter: 20-Bit Resolution
- 8-Times Oversampting
   DRUE Distortion Reduction Circuitry
- Disc Naming: 100 Discs



- For Use with P907 In-Dash Mobile Television System and 2919
- 10-Disc Capacity
- DRIVE Distortion Reduction Circuitry
- 20-Bit Resolution Integrated Quad D/A Converter and Digital Filter
- + 0-Bit Mute

- Digital Optimum Servo Control and Precision Digital Timing
- Disc Naming (100 Discs)
- CD Troot
- HZ-Bus Confrol.





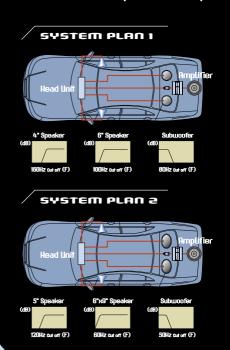


### FULL DOT MATRIX DISPLAY

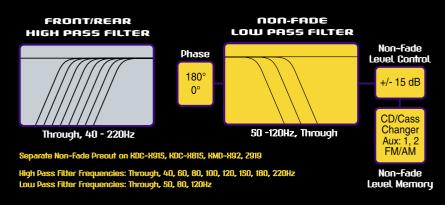
Kenwood's innovative fluorescent display is clearer, more sophisticated, and just plain cooler to look at. The fluorescent full dot matrix, integrated in our top-line CD receivers, displays more sophisticated characters and graphics than conventional dot matrix LCDs. Text scroll and response are smoother and quicker. When CD time is displayed, the digits roll vertically like a slot machine or an odometer. The spectrum analyzer can be displayed as an oscilloscope. (An unparalleled feat in head unit displays.) For cruising at night, the display can be dimmed by a series of 10 steps, for just the right amount brightness

### SYSTEM E's+

This built-in crossover will improve the sound and power of any system. System E's+ has eight selectable high-pass cut-off frequencies: 40, 60, 80, 100, 120, 150, 180, 220 Hz, at a 12dB-per-octave slope. You can apply them to the front and rear speaker leads and preouts independently, so you can pick the right high-pass filter for any size speakers. System E's+ lets you cut out the bass to smaller speakers, allowing the whole system to play almost twice as loud without distortion. Its selectable low-pass filter (50, 80, or 120Hz at a 12dB per octave slope), lets you cut the highs to large speakers so they won't sound muddy. The Source Tone Memory



feature means you can set a different balance between the subwoofer and the rest of the system for each of your sources. When you switch to a source-your CD player for example-System E's+ switches to the level you set before. You can even switch the phase for the non-fade preout if necessary to make sure the sound from your subs is in phase with the sound from the rest of your system.



System E's+'s sophisticated control lets you select different high-pass filter cutoff frequencies (from the 8 available) for front and rear preouts and speaker outputs. Activate Non-Fade for the rear preout, and you can select a low-pass filter. The non-fading level control even remembers different settings for each source.

# amplifiers



### BMS

Lets you precisely increase bass response by +6dB anywhere between 50Hz and 100Hz. The high-Q slope won't muddy vocals as typical "bass boost" circuits do. With a MASK head unit, you can activate a +6dB or +12dB increase right from the head unit.

### ELECTRONIC CROSSOVERS

Variable high- and low-pass filters cab be applied separately to front and rear channels and can also be overlapped to easily smooth out peaks and dips.

### LOW-VOLTAGE MEMORY

Keeps track of the number of times your system dips below 10 volts (up to ten incidents) and reports them as a number of flashes, letting you know if your electrical system needs to be strengthened.

### HIGH-EFFICIENCY DESIGN

Most amplifiers are about 40% efficient; the rest of the power simply produces heat. Kenwood amps are about 60% efficient. They produce more sound from less power and operate at a lower temperature, which makes them more reliable.

### SEPARATE POWER SOURCES FOR DRIVER AND OUTPUT STAGES

A signal is increased inside an amp by the driver stage and then by the final stage. Most amps run both stages from one power supply, which can cause the driver stage to loose power and distort. Kenwood amps have two power supplies, one for each stage. This keeps both stages separate and clean.

### LAPT

Conventional high-power transistors produce high levels of distortion at low volumes, distortion that gradually goes down only as the volume goes up. The LAPT (Linear Amplification Power Transistor) transistors we use are called "linear" because they deliver the same clean sound at any volume.







### POWERSLIDE

This Sliding door on top of the amp lets more cooling air in when it's needed. Underneath there's a fan that sucks air through the amp and out the top. PowerSlide automatically opens when the amp reaches 176 degrees, or when you give it a +6dB or +12dB command from a Kenwood Excelon MASK head unit.

### CONVENTIONAL BASS BOOST

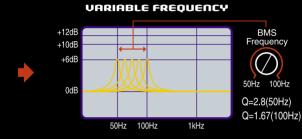


Vocal range is also boosted. This results in "boomy" bass and "muddy" vocals.



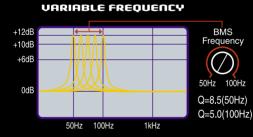
You can activate the amp's Bass Management System and open PowerSlide from an Excelon MASK head unit. The head unit's display confirms your settings.

### +12dB +10dB +10dB +6dB Vocals 0dB 10Hz 100Hz 1kHz 5kHz



'High () Value will not affect vocal range because it increases bass at the center frequency only.

### +12dB +10dB +10dB +6dB 0dB 0dB 10Hz 100Hz 1kHz 5kHz



Even at +12dB, the increase will not affect the vocal range. Selected from Kenwood Excelon MASK Head Unit only.

### 4-STATUS LEDS AND TRIANGLE POWER INDICATOR

Power up a Kenwood Excelon amp, and a cool blue triangle lights up. Four status lights tell you when the fan is on, when BMS is active, when your system is in an undervoltage situation, and when a protection circuit has shut down the amp.

### **MOSFET TRANSISTORS**

MOSFET (Metal Oxide Semiconductor-Field Effect Transistor) switching transistors have a significantly higher switching speed than bipolar transistors and generate almost no heat, so they offer quick response, excellent linearity, and high efficiency.

### *NOISE FILTERING*

All Kenwood amplifiers use two types of filters to clean the vehicle's voltage before it reaches the power supply, improving efficiency (more energy is used to amplify music instead of noise) and resulting in clearer music.

### **FAST-RECOVERY DIODES**

Diodes change AC power to smooth DC power. If a diode can't react quickly, voltage drops, creating distortion. Compared to conventional diodes, our fast-recovery diodes handle twice the amperage and reduce voltage drop by a third, delivering sound that's dependably clear and clean.

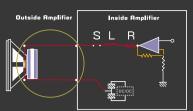
### COPPER BUS BAR

Thin wire or circuit board traces inside an amp can lose up to 30 watts. Kenwood's top amplifiers avoid this problem by using solid oxygen-free copper bus bars with at least a hundred times more mass than a circuit board trace.

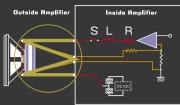
### PROTECTION CIRCUITS

Our circuits provide protection against heat, static electricity, over-voltage, under-voltage, over-current, speaker short, reverse input voltage and ground disconnection. All fuses are chassis-mounted (not line mounted) so they can't be accidentally removed.

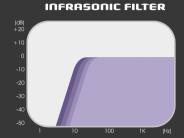
### WITHOUT SIGMA SERVO



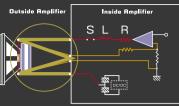
### WITH SIGMA SERVO



Conventional amps rely on feedback from the amp's output stage, ignoring errors introduced by internal circuitry or the speaker. Sigma Servo gets feedback from the speaker itself, increasing the amp's Damping Factor from the typical 100 to over 9,000.



Infrasonic filters remove power-robbing frequencies that are too low to hear. Multiple cutoff frequencies and 24dB/octave (shown) or 18dB/octave slopes allow precise control.

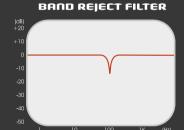


### **AUDIO-USE CAPACITORS**

Our capacitors are larger than most and designed for audio use only. They charge and discharge very rapidly and have very low resistance due to oxygen-free copper leads, which greatly improves the ability of Kenwood amplifier to reproduce loud, rapidly changing music.

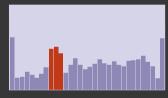
### COPPER-SHIELDED EE CORE TRANSFORMER

Kenwood Excelon amplifiers use an EE transformer design which greatly reduces the radio frequency interference that can leak into the audio and appear as hum.



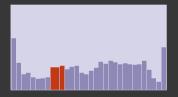
The KAC-X401M's band-reject filter adjusts from 40Hz - 200Hz. Its high Q-value, lets you zero-in on the exact frequencies that needs taming.

### WITHOUT BAND-REJECT FILTER



Most car interiors will produce a large response peak (standing wave) in the upper bass/lower midrange region.

### WITH BAND-REJECT FILTER



After using the KAC-X401M's Band Reject Filter to tame the car's standing wave, response is much smoother.

### INFRASONIC FILTER

CDs often have sound recorded below the threshold of human hearing which an amp can reproduce, wasting a large amount of power. Our amps have a selectable infrasonic filter that eliminates these frequencies, thus increasing the power available for music.

### BAND-REIECT FILTER

Every vehicle interior resonates at a particular frequency, which can cause a bump in frequency response. Our adjustable band-reject filter reduces the bump to smooth overall response.

### SIGMA DRIVE AND SIGMA SERVO

To keep a speaker from vibrating after a note, an amp must control speaker motion precisely. Kenwood's exclusive Sigma Drive and Sigma Servo circuits give the amp the instantaneous feedback needed to damp the speaker. Sigma Drive tracks this feedback from the amp's speaker connections, while Sigma Servo uses two additional wires which connect to the speaker itself to track movement. Sigma Drive more than doubles the typical damping factor of 100, and Sigma Servo boosts it up to 9,990.





### **POWER AMPLIFIERS**

### KAC-X501F

MULTI-CHANNEL POWER AMPLIFIER
WITH POWERSLIDE/B.M.S. HEAD UNIT INTERFACE

300 WATTS Total Power RMS



- •75 Watts x 4 Power Output at 4 Ohms, at 14.4V (20Hz~20kHz, 0.05% THD)
- 50 Watts x 4 Power Output at 4 Ohms, at 12U (20Hz~20kHz, 0.05% THD)
- 600 Watts x 2 Maximum Power Output
- PowerSlide
- B.M.S. (Bass Management System)
   PowerStide/BMS Head Unit Interface
- Sigma Drive
- Power MOSFET Switching Power Supply
- Variable Low-Pass Electronic Crossover
- Variable High-Pass Electronic Crossover
- Selectable Infrasonic Filter

### KAC-X401M

MONO POWER AMPLIFIER WITH POWERSLIDE/B.M.S. HEAD UNIT INTERFACE





- 300 Watts x 1 Power Output at 4 Ohms, at 14.4V (20Hz~20kHz, 0.05% THD)
- 200 Watts x 1 Power Output at 4 Ohms, at 12U (20Hz~20kHz, 0.05% THD)
- 1200 Watts x 1 Maximum Power Output
- PowerSlide
- B.M.S. (Bass Management System)
- PowerSlide/BMS Head Unit Interface
- Power MOSFET Switching Power Supply
- Variable Low-Pass Electronic Crossover
- Variable Band Reject Filter
- Selectable Infrasonic Filter

### KAC-X301T

2-CHANNEL POWER AMPLIFIER WITH POWERSLIDE/B.M.S. HEAD UNIT INTERFACE





### **Key Features**

- 100 Watts × 2 Power Output at 4 Ohms, at 14.40 (20Hz-20kHz, 0.05% THD) 75 Watts × 2 Power Output at 4 Ohms, at 120 (20Hz-20kHz, 0.05% THD)
- 800 Watts x 1 Maximum Output Power
- PowerSlide
- B.M.S. (Bass Management System)
   PowerSlide/B.M.S. Head Unit Interface
- Sigma Drive
- Power MOSFET Switching Power Supply
   Uariable Low-Pass Electronic Crossover
- Variable High-Pass Electronic Crossover
- Selectable Infrasonic Filter

### KAC-X201T

2-CHANNEL POWER AMPLIFIER WITH POWERSLIDE/B.M.S. HEAD UNIT INTERFACE

150 WATTS Total Power RMS



- 75 Watts x 2 Power Output at 4 Ohms, at 14.4V (20Hz-20kHz, 0.05% THD) 50 Watts x 2 Power Output at 4 Ohms, at 12V (20Hz-20kHz, 0.05% THD)
- 600 Watts x 1 Maximum Output Power
- PowerSlide B.M.S. (Bass Management System)
- PowerSlide/B.M.S. Head Unit Interface
- Sigma Drive Power MOSFET Switching Power Supply
- Variable Low-Pass Electronic Crossover
- Variable High-Pass Electronic Crossover
   Selectable Infrasonic Filter



### QUALITY & POWER

dB+ Woofers and Full-Range speakers are both musical and loud - really loud. One reason the woofers can kick is their superlarge X-max (the length of the voice coil that hangs outside of the magnetic field). The longer the X-max the greater the distance the cone can move and still be controlled by the magnetic circuit. A dB+ woofer's X-max is longer than other woofers (9mm for the KFC-XW12dB and 12mm for the KFC-XW10dB), and everything in a dB+ woofer is built to take full advantage of this huge X-max.

### ROCK SOLID SUBWOOFERS

dB+ subwoofers represent a breakthrough in basket design: they use thick rolled steel in a form that equals the performance of cast aluminum without the excessive cost. In vibration resistance tests, the dB+ frame proved just as solid as the best cast aluminum frames. And the dB+ construction quality doesn't end with the basket. The thick rubber gasket and the cone's rubber surround are typically two parts glued together, creating a potentially weak seam. A dB+ woofer's gasket and surround are one solid rubber piece which cannot come apart, thereby eliminating the resonance that can creep into the speaker at this joint. Finally, a dB+'s woofer pole piece and back plate are also one solid piece, improving magnetic transfer through the circuit. The back plate features a deep bumped yoke that allows long voice coil excursion.

### NEW dB+ FULL-RANGE SPEAKERS WITHSTAND POWER, HEAT

After the enormous success of our dB+ Woofers, we designed some awesome dB+ Full-Range Speakers. We use the same PBO fiber cone that makes our subwoofers resistant to heat and cold – they're almost indestructible. And the ability of PBO to withstand higher temperatures enable Kenwood engineers to design our dB+ full-range speakers with aluminum voice coil bobbins. The lighter weight aluminum bobbin allows a smaller air gap, greater sensitivity, and truer sound.



### GOLD-PLATED BINDING POSTS

Large, super conductive, posts take up to 8-gauge wire, and features extra side terminals to connect a second set of wires for Kenwood amps with Sigma Servo damping circuits.

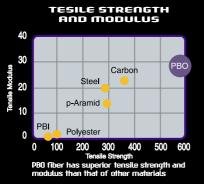
### SPIRAL VENT

The large, tapered vent with spiral ridges allows air to swirt through like water in a whirtpool, avoiding the sudden "pop" that can give woofers with ordinary vents a "puh-puh" sound.

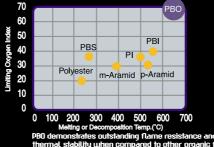


### PBO ADVANCED FIBER (POLYPHENYLENEBENZOBISOHAZOLE)

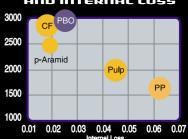
(PBO is a rigid-rod lyotropic liquid crystal polymer) This fiber uses the latest material. that science and technology have to offer.



### THERMAL STABILITY AND FLAMABILITY



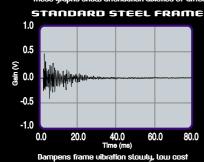
### SOUND VELOCITY AND INTERNAL LOSS



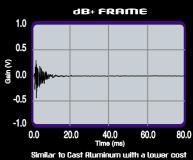
OBO provides higher sound speed and better Internal loss to provide higher sound pressure level with an cone paise when compared to other fibers

### ▼ LOW RESONANCE/ANTI-VIBRATION FRAME

These graphs show attenuation abilities of different types of frame construction. Slow vibration attenuation will cause the bass to be undefined.







### MORE ABOUT PBO -THE BEST CONE MATERIAL YET

PB0

dB+

FRAME

With our exclusive PBO cone material, cones of carbon, kevlar, or polypropylene have all been surpassed. In every measurement of sound pressure level, speed, strength, weight, and stability, PBO is superior: There is simply no other cone material that equals PBO. The result: technology that allows dB+ speakers to move more air over a wider frequency range and with less mechanical noise that any other speakers on the market.

### **SUB WOOFERS**

### KFC-XW12dB



### KFC-XW10dB 10" WOOFER



(B)

12" WOOFER



- PBO Advanced Fiber Cone
- One-Piece Rubber Surround and Gasket

I dB+ SERIES I

- Power Handling: 1,000 Watts
- Sensitivity: 93dB
- Voice Coil: 2~1/2"
- Frequency Response: 23Hz ~ 600Hz



### **Key Features**

- PBO Advanced Fiber Cone
- One-Piece Rubber Surround and Gasket
- Power Handling: 800 Watts
- Sensitivity: 92dB
- Voice Coil: 2"
- Frequency Response: 25Hz ~ 600Hz



3-0 08+ LOGO DUST CAP - More than just good-looking, it's rigidity prevents noise.
ONE PIECE RUBBER SURROUND AND GASKET - Dampens

DRE PIECE RUBBER SURROUND AND GASKET - Dampens basket vibration, which improves bass clarity.

1.2mm STEEL FRAME (BASKET) - The rigid design and thick steel has vibration resistance which equals that of cast aluminum, as measured by extensive testing.

PBO ADVANCED FIBER CONE - Compared to carbon or keular cones, our extra-deep and rigid PBO cones deliver higher sound pressure level (SPL), faster sound speed, lighter weight, more damping (with no cone noise), wider sound range, and better stability across all its dimensions. The specifications of our cones will never change due to heat, cold, sun, or age.

ADVANCED FEED CONSTRUCTION (AFC) CONEH SPIDER (DAMPER) - The lead wires are stitched into the spider from both sides, cannot rattle and enable perfectly linear motion for the cone and voice coil.

TOP PLATE - Black heat-absorbing coating improves heat emission.

2.5 OR 2 INCH VOICE COIL - Extra-deep Kapton voice coil with glass fiber bobbin delivers longer movement for greater sound pressure level.

STRONTIUM FERRITE MAGNET - 52.9 oz. in KFC-KW12dB / 42.3 oz. in KFC-KW112dB / 42.3 oz. in KFC-KW112dB / VAZ.3 o

SPIRAL VENTED POLE PIECE - Solid, one-piece pole and backplate features extended slot for long voice coil travel and spiral vent to reduce air vent noise

### KFC-X167dB

6-1/2" 2-WAY SPEAKER





- PBO Advanced Fiber Woofer Cone
  PEI Film Balanced Dome Tweeter
  Power Handling: 220 Watts
  Frequency Response: 35Hz 30kHz

### KFC-X137dB

5-1/4" 2-WAY SPEAKER





- PBO Advanced Fiber Woofer Cone
  PEI Film Balanced Dome Tweeter
  Power Handling: 160 Watts
  Frequency Response: 40Hz 30kHz



### **FOUR-LAYER VOICE COIL**

Our four-layer voice coil and thicker, oxygen-free copper voice coil wire for the woofer let DualMags deliver more powerful bass and flatter frequency response. At the same time, the magnetic circuit features increase magnetic energy without generating fluctuations due to the widened voice coil gap. The result is high energy bass with greater stability and precision.

### PEARL MICA-INJECTION-MOLDED POLYPROPYLENE WOOFER CONES

Our pearl mica-injection-molded polypropylene woofer cones are made from a higher grade of pearl mica, with uniform-sized crystals that bond together more tightly to produce a stronger cone. The cones are molded from the apex out so they are the same thickness throughout, allowing them to deliver more accurate sound across the entire frequency range.

### CROSSOVER

The cutoff characteristics for the crossover~that is, where the high frequencies stop going to the midrange driver and start going to the tweeter~is crucial in a two-way speaker. In the 5-inch and 6-inch two-ways, Kenwood uses a 12dB slope, which means the high frequencies are cut off more sharply, which keeps each of the drivers sounding pure, and the overall sound of the speaker flat. Because the 4-inch midrange and its tweeter are much closer in their ability to reproduce highs, Kenwood wisely chose to use a 6dB cutoff for this model. The result is a smooth transition between the tweeter and the midrange driver.

### BUTYL RUBBER SURROUNDS

Butyl rubber has greater internal loss than standard urethane, preventing harmonic distortion at higher frequencies. It more efficiently absorbs edge reflections that can cause audible distortion, resulting in clearer bass performance.

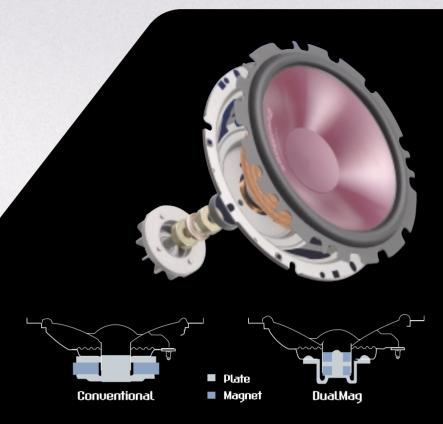
### FLAT EDGE DIAPHRAGM

Our 7"x10" and 6"x9" woofer cones have flat outer edges that stiffen the cone. By reducing flexing, these cones control resonance and reduce midrange distortion.

### BALANCED DOME TWEETERS

Cone tweeters are clear, but beam sound in one direction. Dome tweeters disperse sound, but aren't as clear. Balanced Dome Tweeters combine the advantages of both. The area of the dome and the area of the cone are precisely matched (which is why they are called balanced) resulting in clean highs that can be heard from a variety of positions inside the car.





### DUALMAG US. CONVENTIONAL

Conventional speakers use heavy iron magnets outside the voice coil; DualMags use much more powerful Neodymium inside the voice coil for light weight and improved performance.

### 

The masking effect of the previous DualMag tweeter bridge introduced response irregularities in woofer's upper range.

### WITH ANTI-MASKING TWEETER BRIDGE



The DualMag redesigned tweeter bridge virtually eliminates woofer response irregularities. Note that the woofer's frequency response with the bridge is nearly identical to its response with no bridge at all.

### ANTI-MASKING TWEETER BRIDGE

DualMag two-way speakers have a unique tweeter bridge that minimizes sound masking of the midrange driver by as much as 92%. The bridge also allows the midrange drive to have a dust cap, which gives it more rigidity and better response.



### **DUALMAG SPEAKERS**

Instead of using iron ferrite magnets that surround the voice coil as in traditional speaker design, Kenwood's patented DualMag design uses two small but very powerful neodymium magnets inside the voice coil. The magnets are turned so that their like poles face each other. This puts far more magnetic force in the voice coil gap, which controls the cone much more tightly for more accurate sound. Weight is reduced by up to two-thirds and the slimmer profile fits into tighter spots during installation.

### UFLC TWEETER DIAPHRAGM

The tweeters use a Urethane
Film Laminate Cloth Dome
material which features
improved damping and
reduced distortion. Because
it's so lightweight, it effectively
extends the high frequency range and
improves propagation speed, resulting in
clear and crisp highs with quicker response.

### MULTIPLE-COMPONENT CROSSOVER NETWORKS

Smooth transition between woofer and tweeter with flatter frequency response is made possible by employing an advanced second order crossover. This crossover is capable of allowing three settings of tweeter attenuation either flat, ~2dB or ~4dB. The woofer can also be played full range in the low frequencies or it can be crossed over to create a bandpass effect on the midrange. The crossover has a clear plastic cover so you can see all the components inside.



### KFC-XR60P

6-1/2" WOOFER & 1" DOME TWEETER PACKAGE

### **Key Features**

- DualMag Woofer Technology
- Pearl Mica Injection-Molded Polypropylene Cone
- Butyl Rubber Midrange Surround
- UFLC Soft Dome Tweeter
- 4-Layer Heat-Resistant Voice Coil with TIL Bobbin
- +/~ 30 Degree Swivel Tweeter Mount
- 2-Way Component Passive Crossover
- Tweeter Attenuation Crossover Adjustment
- Power Handling: 180 Watts
- Frequency Response: 35Hz 30kHz



5" WOOFER & 1" DOME TWEETER PACKAGE

### **Key Features**

- DualMag Woofer Technology
   Pearl Mica Injection-Molded Polypropylene Cone
- Butyl Rubber Midrange Surround
- UFLC Soft Dome Tweeter
- 4-Layer Heat-Resistant Voice Coil with TIL Bobbin
- +/~ 30 Degree Swivel Tweeter Mount
- 2-Way Component Passive Crossover
- Tweeter Attenuation Crossover Adjustment
- Power Handling: 160 Watts
- Frequency Response: 40Hz 30kHz



### KFC-X716

7" × 10" 3-WAY SPEAKER

### **Key Features**

- Fits Many 6" x 9" Speaker Cutouts
- Pearl Mica Injection-Molded Polypropylene Woofer Cone
- Flat Edge Woofer Diaphragm
- Butyl Rubber Woofer Surround
- 2~3/4" PEI Cone Midrange
- 1" PPTA Balanced Dome Tweeter
- Multiple Component CrossoverPower Handling: 280 Watts
- Frequency Response: 25Hz 30kHz

### KFC-X696 6" × 9" 3-WAY SPEAKER

### **Key Features**

- Pearl Mica Injection-Molded Polypropylene Woofer Cone
- Flat Edge Woofer Diaphragm
- Butyl Rubber Woofer Surround • 2~3/4" PEI Cone Midrange
- 1" PPTA Balanced Dome Tweeter
- Multiple Component Crossover
- Power Handling: 260 Watts
- Frequency Response: 25Hz 27kHz

### KFC-X576C

5" x 7" 2-WAY SPEAKER

### **Key Features**

- Pearl Mica Injection~Molded Polypropylene Woofer Cone
- Butyl Rubber Woofer Surround
- 1-9/16" PPTA Balanced Dome Tweeter
- +/~ 15 Degree Swivel Tweeter Mount
- Power Handling: 120 Watts
- Frequency Response: 35Hz - 30kHz



### KFC-X466C

× 6" 2-WAY SPEAKER

- Pearl Mica Injection-Molded Polypropylene Woofer Cone
- Butyl Rubber Woofer Surround
- Heat-Resistant TIL Voice Coil Bobbio
- 1" PPTA Balanced Dome Tweeter
- Power Handling: 150 Watts
- Frequency Response: 40Hz 30kHz



### KFC-XR600

6-1/2" 2-WAY SPEAKER



- DualMag Woofer Technology
- Pearl Mica Injection~ Molded Polypropylene Woofer Cone
- Butyl Rubber Woofer Surround
- New Bridged Tweeter
- 4-Layer Heat-Resistant Voice Coil with TIL Bobbin
- Bi-Wire Connections
- Power Handling: 180 Watts
- 1" UFLC Soft Dome Tweeter Frequency Response: 35Hz - 30kHz

### KFC-XR500

5-1/4" 2-WAY SPEAKER



- DualMag Woofer
- Technology

   Pearl Mica Injection-Molded Polypropylene Woofer Cone
- Butyl Rubber Woofer
- Surround
   1" UFLC Soft Dome Tweeter
- New Bridged Tweeter Support
- 4-Layer Heat-Resistant Voice Coil with TIL Bobbin
- Bi-Wire Connections
- Power Handling: 160 Watts
- Frequency Response: 40Hz 30kHz

### KFC-XR400

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### **Key Features**

- DualMag Woofer Technology
- Pearl Mica Injection~ Molded Polypropylene Woofer Cone
- Butyl Rubber Woofer
- Surround 13/16" Soft Dome Tweeter
- New Bridged Tweeter Support
  • Heat-Resistant Voice
- Coil with TIL Bobbin
- Bi-Wire Connections
- Power Handling: 100 Watts
- Frequency Response: 45Hz - 30kHz

### **KFC-X106**

4" 2-WAY SPEAKER

### Key Features

Support

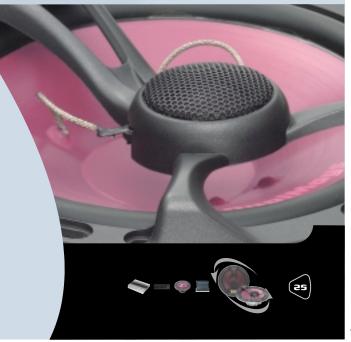
- Pearl Mica Injection-Molded
   Polypropylene Woofer Cone
   Butyl Rubber Woofer Surround
- Heat-Resistant Voice Coil Bobbin and Polyamide Damper
- 1" PPTA Balanced Dome Tweeter
- +/~ 15 Degree Swivel Tweeter Mount
- Bi-Wire Connections
- Power Handling: 70 Watts
- Frequency Response: 45Hz 30kHz

### KFC-XT13

1" ADD-ON DOME TWEETER

- Ultra Lightweight Polyamide Soft Dome
- Heat-Resistant Polyamide Voice Coil Bobbin
- 3-Way Mounting (Surface/Flush/Angle)
- +/~30 Degrees Swivel Mount
- 12dB/Octave In-Line High-Pass Filter
- Power Handling: 150 Watts
- Frequency Response: 4kHz 26kHz







### OPTIONAL NECESSITIES

Sure, these are options — but once you've seen them, you'll wonder how you ever did without them. New for 2000 is the KPA-HD100 External Heads-Up Display. Information from D MASK+ and D MASK head units is displayed on a clear, flip-up reflector which can be mounted on your dashboard. The Heads-Up display shows all the standard head-unit information plus the valuable data from these other Optional Necessities:

- Know where you're going with the KPA-CP100 Compass. Sensing direction with up to 3-letter precision (NNW for example), you'll always know where you're headed.
- The KPA-SS100 Sensor Box provides you with two different temperature readings (amplifier and outside temperature), and will measure two different electrical system voltages (at the battery and at the amplifier). It will also display the difference between the two voltages.
- •To complete your ready-for-adventure system is the KTC-WB100 Weather Band Tuner. With the KTC-WB100 you can scan all frequencies for the closest of the 480 National Weather Service stations across the U.S. No matter how the day starts, with Kenwood you'll know how it will end.

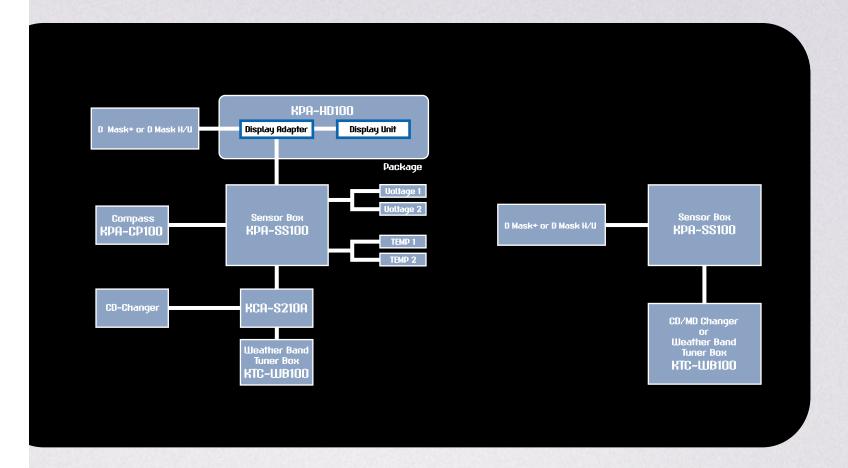
### WHY VOLTAGE INFORMATION MAKES A DIFFERENCE

Are you at optimum efficiency? Getting your money's worth from your ampliflier(s)? The KPA-SS100 sensor box will tell you.

Say you attach your voltage sensors at the battery (the highest voltage), and at the amplifier(s) – the sensor box will tell you the difference in voltage. If there's a big difference, you might not be getting the most out of your amplifiers ... or speakers. And if the readings are close, you know you're getting your money's worth.

The KPA sensor box provides three different types of information:

- D Real time voltage difference.
- D-I Easy-reset difference peak the peak difference between voltage sources. (Easily reset from the head unit.)
- D-II Hard-reset difference peak the peak difference over extended periods. (This measurement will only reset if the head unit is completely reset, resulting in the loss of KEX and System E's settings, FM/AM presets, etc.)



### OPTIONAL NECESSITIES

### KPA-HD100

HEADS UP DISPLAY



### DISPLAY INTERFACE BOX



### **Key Features**

- Clear, Flip-Up Reflector Display
  Attaches to dashboard or visor
  Displays standard receiver information (FM, station, etc.)
- Optional data displayed with additional accessories
  - ~ Compass (requires KPA-CP100)
  - ~ Temperature and Voltage (requires KPA-SS100)
- Input for sensor box or changer

### KPA-55100

SENSOR BOH



### **Key Features**

- Displays temperature or voltage information
- Capable of two different sources of information for temperature or voltage (ie: amp temperature or outdoor temperature; battery or amp voltage)
- D, D-1 and D-II voltage readings
- Input for changer

### KPA-WB100

WEATHER BAND TUNER



### **Key Features**

- Receive weather band radio stations with compatible Kenwood head units
- Approximately 480 weather band channels available in the U.S.A.
- Useful for camping, hiking, or marine environments



- Senses direction and displays up to 3 letters (NNW)
- Useful for camping or marine environments



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COMPACT DISC FERTURES	KEX Sound Control		•	•	•	•	•	•
COMPACT DISC FERTURES	Sustem E's+ Crossover Sustem	Sustem E's	•	•	•	•	•	•
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RIDG-CH8S   C907   Type 3	CD CHOOSED SECTIONS			CHOCCO	COOTOO:	CCOTUCCO		
COMPACT DISC FEATURES  DRIUE & O-Bit Mute  • • Changer Control. 2, + Aux (u/KCA-210A or (u/KCA-210A or (u/KCA-210A or compatible Digital Filter 20-Bit Resolution Digital Optimum Servo Control (00SC) • • • CD Text • CD Text • Precision Digital Timing (0PAC) • • Disc Naming • CD Text • Disc Naming • CD Text • Disc Naming • CD Text • CD	CD CHHIIGER FEH I URES			CHHIIGER	CONTROL	ren luke5		
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Changer Control   2, + Aux   (uu/KCA-210A or compatible   10   10   10   10   10   10   10   1	COMPAGE BIOG FEOTUPES	หมบ~บxช5	G9U7	OHOHOTE SO	OL FEOTUSES	Type 3		
Integrated Quad D/A Converter    Digital Filter   20-Bit Resolution   20-Bit Resolutio								
Integrated Quad D/A Converter  20-Bit Resolution Digital Filter  20-Bit Resolution Digital Optimum Servo Control (DOSC)  • • CD Text Precision Digital Timing (DPAC) • • Disc Name Preset Play Disc Naming  100 Discs 100 Discs Play Time Display • Play Time Display • Random Disc, Magazine Rdditional Changer Control or Aux Input For Use With P907 Mobile Television Disc Capacity 10 Discs 10 Discs 10 Discs Direct Disc and Track, Disc Direct Disc and Track, Disc Direct Disc and Track, Disc Direct Disc and Track Access WZ-Bus Control • • • Ebony Finish • • • Ebony Finish • Play Time Display • Play Time Display • Play Time Display • Repeat Track, Disc Direct Disc and Track Access With Remote	DRIUE & O-Bit Mute	•	•	Changer Control		•		
Digital Filter 20-Bit Resolution 20-Bit Resolution Digital Optimum Servo Control (DOSC) • • CD Text • CD T						(w/KCA-210A or		
Digital Filter 20-Bit Resolution 20-Bit Resolution Digital Optimum Servo Control (DOSC) • • CD Text • Disc Naming • Disc Naming • CD Text • Disc Naming • Disc	Integrated Quad D/A Converter	20-Bit Resolution	20-Bit Resolution			compatible		
Digital Optimum Servo Control (DOSC)  Precision Digital Timing (DPAC)  • • Disc Naming  Play Time Display  Pandom  Disc, Magazine  Repeat  Track, Disc  Scan  Track, Disc  Direct Disc and Track Access  With Remote  Direct Disc and Track Access  With Remote  Direct Disc Control  Direct Disc Naming  Direct Disc Naming		20-Bit Resolution	20-Bit Resolution			•		
Precision Digital Timing (DPAC)  • • • Disc Naming  CD Text  • • Disc Name Preset Play  Disc Naming  100 Discs 100 Discs 100 Discs Play Time Display  Random Disc, Magazine  Repeat Track, Disc  For Use With P907 Mobile Television  • Scan Track, Disc  Disc Capacity Disc Capacitor Memory  3-Angle Mounting (0, 45, 90 Degrees)  • •  M2-Bus Control  Ebony Finish  • 9-13/16 x  9-13/16 x		•	•	CD Text		•		
CD Text   Disc Naming 100 Discs 100 Discs 100 Discs Play Time Display   GENERAL FEATURES Random Disc, Magazine  Repeat Track, Disc  For Use With P907 Mobile Television   Scan Track, Disc  Disc Capacity 10 Discs 10 Discs Direct Disc and Track Access with Remote  Super Capacitor Memory   3-Angle Mounting (0, 45, 90 Degrees)   M2-Bus Control   Ebony Finish   Dimensions (W x H x D) 9-13/16 x 9-13/16 x 9-13/16 x	•	•	•					
Disc Naming 100 Discs 100 Discs Play Time Display •  GENERAL FEATURES  Random Disc, Magazine  Repeat Track, Disc  For Use With P907 Mobile Television • Scan Track, Disc  Disc Capacity 10 Discs Direct Disc and Track Access with Remote  Super Capacitor Memory • • •  3-Angle Mounting (0, 45, 90 Degrees) • •  M2-Bus Control • •  Ebony Finish •  Dimensions (W x H x D) 9-13/16 x 9-13/16 x		•			ot Dlau	•		
Random Disc, Magazine  Additional Changer Control or Aux Input  For Use With P907 Mobile Television  10 Discs 10 Discs Direct Disc and Track Access With Remote  Super Capacitor Memory  3-Angle Mounting (0, 45, 90 Degrees)  4  4  4  5  6  6  6  7  6  6  7  7  8  8  8  8  8  8  8  8  8  8  8		100 Diseas	100 Diese		•			
Additional Changer Control or Aux Input  For Use With P907 Mobile Television  is Capacity  10 Discs  10 Discs  10 Discs  Direct Disc and Track Access  with Remote  Super Capacitor Memory		IUU DISUS	IUU DISUS		iy .	Dian Marcal		
For Use With P907 Mobile Television  • Scan Track, Disc  Disc Capacity 10 Discs 10 Discs  Direct Disc and Track Access with Remote  Super Capacitor Memory  • • 3-Angle Mounting (0, 45, 90 Degrees)  M2-Bus Control  Ebony Finish  • Use Scan Track, Disc  Direct Disc and Track Access with Remote								
Disc Capacity  10 Discs  10 Discs  Direct Disc and Track Access  with Remote  10 Discs  Direct Disc and Track Access  with Remote  10 Discs  10 Di	•	•				•		
Super Capacitor Memory  3-Angle Mounting (0, 45, 90 Degrees)  M2-Bus Control  Ebony Finish  •  Uimensions (W x H x D)  9-13/16 x  9-13/16 x			•					
3-Angle Mounting (0, 45, 90 Degrees)  MZ-Bus Control  Ebony Finish  •  Dimensions (W x H x D)  •  9-13/16 x  9-13/16 x	Disc Capacity	10 Discs	10 Discs	Direct Disc and	Track Access	with Remote		
3-Angle Mounting (0, 45, 90 Degrees)  MZ-Bus Control  Ebony Finish  •  Dimensions (W x H x D)  •  9-13/16 x  9-13/16 x	Super Capacitor Memory	•	•					
M2-Bus Control •  Ebony Finish •  Dimensions (W x H x D) 9-13/16 x 9-13/16 x		•	•					
Ebony Finish  •  Dimensions (W x H x D)  9-13/16 x  9-13/16 x			•					
Dimensions (W x H x D) 9-13/16 x 9-13/16 x		•						
	•	0-12/16	012716					
3-1/0 X /-13/10 3-1/0 X /-13/10	טוווופוופוטוופ (ש א ח א ש)							
		3~1/0 X /~15/16	3~1/0 X /~15/10					

	AU. CD Head Units except KDC~X615	KDC~X615	KMD~X92	KDC-CX85/C907	P907	KRC-X858
requency Response	10Hz ~ 20kHz (±1dB)	10Hz ~ 20kHz (±1dB)	20Hz ~ 20kHz (±2dB)	10Hz ~ 20kHz (±1dB)	5Hz ~ 20kHz (±1dB)	30Hz ~ 18kHz (±3dB, 70µs)
Total Harmonic Distortion (1kHz)	0.01%	0.01%	0.01%	0.005%	0.01%	
Signal-to-Noise Ratio (1kHz)	105dB	96dB	90dB	100dB	93dB	65dB (Dolby B),
lynamic Range	100dB	93dB	90dB	96dB	93dB	57dB (Dolby off)
Channel Separation	95dB	85dB	85dB	96dB	85dB	43dB (1kHz)
reamp Output Level	4.5U	1.8U	4.SU			4.5U (Changer Control Mod
Preamp Output Impedance	80 ohms	600 ohms	80 ohms			80 ohms
luxiliary Input Level		333 3		1.40		
	±10dB at 100Hz (Bass)	±10dB at 100Hz (Bass)	±10dB at 100Hz (Bass)		±10dB at 100Hz (Bass)	±10dB at 100Hz (Bass)
	±10dB at 10kHz (Treble)	±10dB at 10kHz (Treble)	±10dB at 10kHz (Treble)		±10dB at 10kHz (Treble)	±10dB at 10kHz (Treble)
Dow & Flutter (WRMS)	Unmeasurable	Unmeasurable	Unmeasurable	Unmeasurable	Unmeasurable	0.08%
UNER SPECIFICAT	าดกร					
		AU. Head Units				
M Uga shla Qaqqitiyity (A Qull/)	75 okmo 20d0 6 /N)	9.3dBf				
M Useable Sensitivity (0.8µU/7 M Ovietica Sensitivity (1.6vU/7		9.30B1 15.2dBf				
M Quieting Sensitivity (1.6µU/7: M Selectivity (±400kHz)	J OHITIS, JUUD 8/N)	15.2081 ≥80dB				
•	,					
M Signal-to-Noise Ratio (Mono)	,	70dB				
M Stereo Separation (1kHz)		40dB				
M Useable Sensitivity (25μU, 21	OdB S/N)	28dBµ				
POWER AMPLIFIER	R FEATURES					
		KAC-X501F	KAC-X4	01M	KAC-X301T	KAC-X201T
POWER RATINGS (WATTS)						
14.4U		20 H /s	200.11	•	400 11 0	2011.0
20 ~ 20kHz 0.08% THD		75 X 4	300 X		100 X 2	75 X 2
10hm a) 12.00						ma a
0 ~ 20kHz 0.08% THD		50 X 4	200 X	1	75 X 2	50 X 2
! Ohm & 14.4U						
kHz 0.8% THD		150 X 4	600 X	1	200 X 2	150 X 2
! Ohm à 12.0V						
kHz 0.8% THD		100 X 4	400 X	1	150 X 2	100 X 1
Iridged að 14.4V						
kHz 0.8% THD		300 X 2			400 X 1	300 X 1
lax Power		600 x 2	1200 >	:1	800 x 1	600 x 1
ignal-to-Noise Ratio		105dB	105di	3	105dB	105dB
OWER SUPPLY FEATURES						
lual Power Supply		•	•		•	
arge Secondary Cap		•	•		•	•
		•	•		•	•
ilass tpoxy PUB Cooling Fan		(2)			(2)	
over Terminal			l ama l	ur.		Lamo MS
		Large M6	Large I	TIU .	Large M6	Large M6
ower Indicator			•			•
UDIO FEATURES						
igma Drive		•			•	•
igma Servo			•			
APT Transistors		•	•			
ri-Mode		•			•	•
tereo, Mono		•			•	•
lono			•			
ow Pass Filter (Hz, dB/oct)		50~200, 24dl	50~200, 3	24dB	50-200, 18dB	50-200, 18dB
		50-200 18dB			50-200, 12dB	50-200, 12dB
ligh Pass Filter (Hz. dB/oct)		1040				
ligh Pass Filter (Hz, dB/oct) Jand Reiect Filter (Hz)			<u> </u>	10		
land Reject Filter (Hz)		16726 21-4D	40-20 15/20/25/3		25 18dP	25 18dR
•		15/25, 24dB			25, 18dB	25, 18dB

Microse		KFC~X716	KFC-X696	KFC~X576C	KFC~X466C
Polygropylane Done   Polygro					
MET-HIDES   MET-	Joofer				
Polity Film Bolanced Dome	• •	•• ••		Polypropylene Cone	Polypropylene Cone
Unthrow   Unthrow   Unthrow   Unthrow   Unthrow   Unthrow   Unthrow   Until   Gorgonom   Consider   Formation   Consider   Conside				4.0.400.0.1.1.0.1.1.0.1	
Margin   Companied Conscious		1" PPIH Film Balanced Dome	1" PPIH FILM BALANCED DOME	1~9/16" Polyamide Balanced Dome	•
Cite Collection Sequence Connectors         *		•	•	•	urethane
164 Peland Species   16 car   16 car   16 car   18 car		•	•	.4P da	
Page   Utalign				±15 degrees	
Separat   Usephish    18 oc   18 oc   28 0c   18 oc	•	•	•	<u>•</u>	<u>•</u>
200   Label		12	40	•	•
Secretary   State					
NEC-HISTORE	<u> </u>				
No.					
NFC-HIST/dB	· · ·				
NEC-HIDES	lounting Depth	3-1/4"	3-1/4"	2-1/16"	1~3/4"
	ROUND SPEAKER FE	ATURES			
		KFC-X167dB	KFC-X137dB	KFC~X106	
Uniform   1-3/16" PEI FILM Belanced Dome   1-3/16"   1					
Machine National   Machine Nat					
Number   N	(weeter	1~3/16" PEI Film Balanced Dome	1~3/16" PEI Film Balanced Dome	1" PPTA Film Balanced Dome	
File Speaker Ulline	lubber Surround	•	•	•	
Sold-Plated Speaker Connectors   Bi-Ullrable   Bi-Ullrab	Aluminum Voice Coil	•	•	TIL	
Magnet   Height   11.9 oz   8.2 oz   8.4 oz   November   Novembe	JFC Speaker Wire	•	•	•	
Magnet   Height   11.9 oz   8.2 oz   8.4 oz   November   Novembe	Gold-Plated Speaker Connectors	Bi~Wirable	Bi~Wirable	Bi-Wirable	
Power Handling   220 Warts   150 Warts		11.9 oz	8.2 oz	6.4 oz	
Sear-Stutisty   9.2dB   9.2dB   9.0dB   9.2dB   9.0dB   9.2dB   9.0dB   9.2dB   9.0dB   9.2dB   9.0dB   9.2dB   9.2d	•	220 Watts	160 Watts	70 Watts	
Tempunony   Response   35kl - 30kl/z   30klz - 30kl/z   45klz - 30kl/z					
Marching Depth   2-3/8"   2-5/16"   1-5/8"   1	•				
HFC-HUIZdB KFC-HUIDdB  UDOFER FEATURES  Unofer Iz* PB0 Advanced Fiber Cone Io* PB0 Advanced Fiber Cone Ine-Piece Rubber Surround and Casket • • • • • • • • • • • • • • • • • • •					
Description	HOOSED SECTION		KFC~XW12dB	KFC-XW10dB	
Inter-Piece Rubber Surround and Gasker			4011 DD0 0 d	1011 DD0 0 d 15b 0	
Publication-Moded Dust Cap   Publication					
Delice Coil   2-1/2" Kapton and Glass Fiber   2" Kapton and Glass Fiber   4ear-Resistant Conex Damper with Advanced Feed Construction   • • • • • • • • • • • • • • • • • •		asket	•	•	
Reaf-Resistant Conex Damper with Advanced Feed Construction   • • • • • • • • • • • • • • • • • •	•		•	•	
Strontium Ferrite Magnet			2-1/2" Kapton and Glass Fiber	2" Kapton and Glass Fiber	
Carmen	-	th Advanced Feed Construction	•	•	
Extra-Long, Spiral-Uented	•		•	•	
Sumped Yoke Speaker Connectors Gold-Plated, 2-Way SB Gold-Plated, 2-Way SB Adapted Welght 52.9 oz 42.3 oz 700 Watts 800 Watts 800 Watts 800 Watts 800 Watts 800 Watts 92 dB 92			•	· · · · · · · · · · · · · · · · · · ·	
Speaker Connectors         Gold-Plated, 2-Way SB         Gold-Plated, 2-Way SB           Alagnet Weight         \$2.9 oz         42.3 oz           Abouer Handling         1,000 Wahts         800 Wahts           Boestifutly         93dB         92 dB           Frequency Response         23Hz ~ 600Hz         25Hz ~ 600Hz           Mounting Depth         6-1/8"         5-1/2"           Iote Size         10-7/8"         9"           Displacement         0.15 cu. Ft.         0.085 cu. Ft.           HIELE-SMALL PARAMETERS         4 ohms         4 ohms           Displacement (Pe)         2.8 ohms         2.78 ohms           Displacement (Pe)         19.3Hz         24.4Hz           December (Pe)         19.3Hz         24.4Hz           December (Pe)         19.3Hz         24.4Hz           December (Qins)         11.3406         6.446           December (Qins)         0.4         0.462           December (Qins)         0.386         0.431           Dolume Rooustic Compliance (WAS)         198 titers/6.996 cu. Ft.         79 titers/2.792 cu. Ft.           Mouling Mass (Mms)         3.3 oz.         2.618 oz.           Joice Coil Diameter (d)         2-3/8"         1-7/8"			Extra-Long, Spiral-Vented	Extra-Long, Spiral-Vented	
Aggnet Weight	Bumped Yoke		•	•	
Power Handling         1,000 Watts         800 Watts           Sensitivity         93dB         92 dB           Frequency Response         23Hz ~ 600Hz         25Hz ~ 600Hz           Mounting Depth         6-1/8"         5-1/2"           Mole Size         10-7/8"         9"           Mole Size         0.085 cu. Ft.           MELE - SMALL DARAMETERS         0.085 cu. Ft.           Mominal Impedance (2)         4 ohms         4 ohms           Mesistance (Re)         2.8 ohms         2.78 ohms           Resonant Frequency (Fs)         19.3Hz         24.4Hz           Mechanical Q Factor (Qms)         11.3406         6.446           Mechanical Q Factor (Qes)         0.4         0.462           Motal Q Factor (Qes)         0.386         0.431           Molume Acoustic Compliance (UAS)         198 liters/6.996 cu. Ft.         79 liters/2.792 cu. Ft.           Mount Mass (Mms)         3.3 oz.         2.618 oz.           Joice Coil Diameter (d)         2-3/8"         1-7/8"	Speaker Connectors		Gold-Plated, 2-Way SB	Gold-Plated, 2-Way SB	
Sensitivity   93dB   92 dB     Frequency Response   23Hz - 600Hz   25Hz - 600Hz     Frequency Response   23Hz - 600Hz   25Hz - 600Hz     Frequency Response   6-1/8"   5-1/2"     Frequency Response   10-7/8"   9"     Frequency Response   10-7/8"   10-7/8"     Frequency Response   10-7/8"     Frequency Response   10-7/8"   10-7/8"     Frequency Response   10-7/8"   10-7/8"     Frequency Response   10-7/8"     Frequency Respon	lagnet Weight		52.9 oz	42.3 oz	
23Hz - 600Hz   25Hz	Power Handling		1,000 Watts	800 Watts	
23Hz - 600Hz   25Hz	Sensitivity		93dB	92 dB	
Adounting Depth 6-1/8" 5-1/2" Aloue Size 10-7/8" 9" Aloue Size 10-7/8" 9" Aloue Size 10-7/8" 9" Aloue Size 10-7/8" 0.085 cu. Ft.  Alle E-SMALL PARAMETERS  Adominal Impedance (2) 4 ohms 4 ohms CR Resistance (Re) 2.8 ohms 2.78 ohms Alesonant Frequency (Fs) 19.3Hz 24.4Hz Alechanical Q Factor (Qms) 11.3406 6.446 Alechanical Q Factor (Qes) 0.4 0.462 Aloue Acoustic Compliance (UAS) 198 liters/6.996 cu. Ft. 79 liters/2.792 cu. Ft.  Alouing Mass (Mms) 3.3 oz. 2.618 oz.  Joice Coil Diameter (d) 1-7/8"	•			OFFIL OCCU	
10-7/8" 9"   10-7/8" 9"   10-7/8"   10-7/8" 9"   10-7/8"   10-7/	requeriog response		23Hz ~ 600Hz	25H2 ~ GUUH2	
Displacement       0.15 cu. Ft.       0.085 cu. Ft.         HIELE-SMALL PARAMETERS         Nominal Impedance (2)       4 ohms       4 ohms         10 Resistance (Re)       2.8 ohms       2.78 ohms         Resonant Frequency (Fs)       19.3Hz       24.4Hz         Rechanical Q Factor (Qms)       11.3406       6.446         Rechanical Q Factor (Qes)       0.4       0.462         Reductional Q Factor (Qts)       0.386       0.431         Volume Acoustic Compliance (UAS)       198 liters/6.996 cu. Ft.       79 liters/2.792 cu. Ft.         Moving Mass (Mms)       3.3 oz.       2.618 oz.         Joice Coil Diameter (d)       2-3/8"       1-7/8"					
HILLE-SMALL PARAMETERS  forminal Impedance (2) 4 ohms 4 ohms  10 Resistance (Re) 2.8 ohms 2.78 ohms  lesonant Frequency (Fs) 19.3Hz 24.4Hz  fecthanical Q Factor (Qms) 11.3406 6.446  fectrical Q Factor (Qms) 0.4 0.462  fortal Q Factor (Qfs) 0.386 0.431  foliume Acoustic Compliance (UAS) 198 liters/6.996 cu. Ft. 79 liters/2.792 cu. Ft.  fooling Mass (Mms) 3.3 oz. 2.618 oz.  Joice Coil Diameter (d) 1-7/8"	Mounting Depth		6~1/8"	5-1/2"	
tominal Impedance (2) 4 ohms 4 ohms IC Resistance (Re) 2.8 ohms 2.78 ohms lesonant Frequency (Fs) 19.3Hz 24.4Hz lectranical Q Factor (Qms) 11.3406 6.446 lectrical Q Factor (Qes) 0.4 0.462 ordal Q Factor (Qts) 0.386 0.431 lolume Rocustic Compliance (URS) 198 Liters/6.996 cu. Ft. 79 Liters/2.792 cu. Ft. loving Mass (Mms) 3.3 oz. 2.618 oz. loice Coil Diameter (d) 2-3/8" 1-7/8"	founting Depth lole Size		6~1/8" 10~7/8"	5-1/2" 9"	
IC Resistance (Re)       2.8 ohms       2.78 ohms         desconant Frequency (Fs)       19.3Hz       24.4Hz         dectrantical Q Factor (Qms)       11.3406       6.446         dectrical Q Factor (Qes)       0.4       0.462         total Q Factor (Qts)       0.386       0.431         folume Acoustic Compliance (UAS)       198 liters/6.996 cu. Pt.       79 liters/2.792 cu. Ft.         douing Mass (Mms)       3.3 oz.       2.618 oz.         loice Coil Diameter (d)       2-3/8"       1-7/8"	founting Depth loLe Size Displacement		6~1/8" 10~7/8"	5-1/2" 9"	
described of Frequency (Fs)     19.3Hz     24.4Hz       dechanical Q Factor (Qms)     11.3406     6.446       dectrical Q Factor (Qes)     0.4     0.462       fotal Q Factor (Qts)     0.386     0.431       dolume Acoustic Compliance (UAS)     198 Uters/6.996 cu. Ft.     79 Uters/2.792 cu. Ft.       doving Mass (Mms)     3.3 oz.     2.618 oz.       loice Coil Diameter (d)     2-3/8"     1-7/8"	Aounting Depth lole Size Displacement THIELE-SMALL PARAMETERS		6-1/8" 10-7/8" 0.15 cu. Ft.	5-1/2" 9" 0.085 cu. Ft.	
Mechanical Q Factor (Qms) 11.3406 6.446 Electrical Q Factor (Qes) 0.4 0.462 Fotal Q Factor (Qts) 0.386 0.431 Folume Acoustic Compliance (UAS) 198 Liters/6.996 cu. Ft. 79 Liters/2.792 cu. Ft. Foliog Mass (Mms) 3.3 oz. 2.618 oz. Folio Coil Diameter (d) 2-3/8" 1-7/8"	Aounting Depth Iole Size Displacement FHELE-SMALL PARAMETERS Iominal Impedance (2)		6-1/8" 10-7/8" 0.15 cu. Ft. 4 ohms	5-1/2" 9" 0.085 cu. Ft. 4 ohms	
Clectrical Q Factor (Qes)     0.4     0.462       Lotal Q Factor (Qts)     0.386     0.431       Johnne Acoustic Compliance (UAS)     198 Liters/6.996 cu. Ft.     79 Liters/2.792 cu. Ft.       Moving Mass (Mms)     3.3 oz.     2.618 oz.       Joice Coil Diameter (d)     2-3/8"     1-7/8"	Aounting Depth Iole Size Displacement PHELE-SMALL PARAMETERS Hominal Impedance (2) DC Resistance (Re)		6-1/8" 10-7/8" 0.15 cu. Ft. 4 ohms 2.8 ohms	5-1/2" 9" 0.085 cu. Ft. 4 ohms 2.78 ohms	
fortal Q Factor (Qts)     0.386     0.431       Jolume Acoustic Compliance (UAS)     198 Liters/6.996 cu. Ft.     79 Liters/2.792 cu. Ft.       Moving Mass (Mms)     3.3 oz.     2.618 oz.       Joice Coil Diameter (d)     2-3/8"     1-7/8"	Aounting Depth Jole Size Displacement PHELE-SMALL PARAMETERS Hominal Impedance (2) DC Resistance (Re) Desonant Frequency (Fs)		6-1/8" 10-7/8" 0.15 cu. Ft. 4 ohms 2.8 ohms 19.3Hz	5-1/2" 9" 0.085 cu. Ft. 4 ohms 2.78 ohms 24.4Hz	
Jolume Acoustic Compliance (UAS)     198 Liters/6.996 cu. Ft.     79 Liters/2.792 cu. Ft.       Moving Mass (Mms)     3.3 oz.     2.618 oz.       Joice Coil Diameter (d)     2-3/8"     1-7/8"	Mounting Depth Hole Size Jisplacement HIELE-SMALL PARAMETERS Morninal Impedance (2) JC Resistance (Re) Resonant Frequency (Fs) Mechanical Q Factor (Qms)		6-1/8" 10-7/8" 0.15 cu. Ft. 4 ohms 2.8 ohms 19.3Hz 11.3406	5-1/2" 9" 0.085 cu. Ft. 4 ohms 2.78 ohms 24.4Hz 6.446	
Mouling Mass (Mms) 3.3 oz. 2.618 oz. Joice Coil Diameter (d) 2-3/8" 1-7/8"	Aounting Depth  Jole Size  Jisplacement  FILLE-SMALL PARAMETERS  Jorninal Impedance (2)  JC Resistance (Re)  Jesonant Frequency (Fs)  Jechanical Q Factor (Qms)  Electrical Q Factor (Qes)		6-1/8" 10-7/8" 0.15 cu. Ft. 4 ohms 2.8 ohms 19.3Hz 11.3406 0.4	5-1/2" 9" 0.085 cu. Ft. 4 ohms 2.78 ohms 24.4Hz 6.446 0.462	
Joice Coil Diameter (d) 2-3/8" 1-7/8"	Adounting Depth  Jole Size  Jisplacement  HIELE-SMALL PARAMETERS  Jominal Impedance (2)  Jic Resistance (Re)  Jesonant Frequency (Fs)  Jesonant Frequency (Fs)  Jecthanical Q Factor (Qms)  Jectrical Q Factor (Qes)	n.	6-1/8" 10-7/8" 0.15 cu. Ft. 4 ohms 2.8 ohms 19.3Hz 11.3406 0.4 0.386	5-1/2" 9" 0.085 cu. Ft. 4 ohms 2.78 ohms 24.442 6.446 0.462 0.431	
	tounting Depth lote Size lisplacement HIELE-SMALL PARAMETERS lominal Impedance (2) IC Resistance (Re) lessonant Frequency (Fs) lectranical Q Factor (Qms) Lectrical Q Factor (Qes) lotal Q Factor (Qts)	ຶ່ນ	6-1/8" 10-7/8" 0.15 cu. Ft. 4 ohrns 2.8 ohrns 19.3Hz 11.3406 0.4 0.386 198 Liters/6.996 cu. Ft.	5-1/2" 9" 0.085 cu. Ft. 4 ohms 2.78 ohms 24.4Hz 6.446 0.462 0.431 79 Liters/2.792 cu. Ft.	
orce Factor (BL) 9.94 Tm 9.23 Tm	Aounting Depth  Jole Size  Jisplacement  HIELE-SMALL PARAMETERS  Jorninal Impedance (2)  CR Resistance (Re)  Jesonant Frequency (Fs)  Jechanical Q Factor (Qms)  Jechrical Q Factor (Qes)  Jotume Acoustic Compliance (UR)  Journe Acoustic Compliance (UR)	3)	6-1/8" 10-7/8" 0.15 cu. Ft. 4 ohms 2.8 ohms 19.3Hz 11.3406 0.4 0.386 198 Liters/6.996 cu. Ft. 3.3 oz.	5-1/2" 9" 0.085 cu. Ft. 4 ohms 2.78 ohms 24.4Hz 6.446 0.462 0.431 79 Uters/2.792 cu. Ft. 2.618 oz.	
leak Excursion (Xmax) 9 mm 12 mm	tounting Depth lote Size lisplacement HELE-SMALL PARAMETERS lominal Impedance (2) IC Resistance (Re) lesonant Frequency (Fs) lecthanical Q Factor (Qms) Lectrical Q Factor (Qes) otal Q Factor (Qts) lotume Acoustic Compliance (UR: loving Mass (Mms) loice Coil Diameter (d)	3)	6-1/8" 10-7/8" 0.15 cu. Ft. 4 ohrms 2.8 ohrms 19.3Hz 11.3406 0.4 0.386 198 Liters/6.996 cu. Ft. 3.3 oz. 2-3/8"	5-1/2" 9" 0.085 cu. Ft. 4 ohms 2.78 ohms 24.4Hz 6.446 0.462 0.431 79 Uters/2.792 cu. Ft. 2.618 cz.	

### COMPONENT SPEAKER PACKAGE FEATURES

	KFC~XR6Op	KFC~XRSOp	
MIDRANGE FEATURES			
Pearl Mica Polypropylene Midrange Cone	6-1/2"	5~1/4"	
Butyl Rubber Surround	•	•	
Dual Neodymium Magnets	•	•	
4-Layer Heat-Resistant Voice Coil	•	•	
Magnet Weight	0.82 oz x 2	0.82 oz x 2	
Mounting Depth	1~15/16"	1~7/8"	
TWEETER FEATURES			
Tweeter	1" UFLC Soft Dome	1" UFLC Soft Dome	
Neodymium Magnet	•	•	
Swivel Mount	•	•	
SYSTEM FEATURES			
Crossover	2-Way Component	2-Way Component	
Tweeter Attenuation Adjustment	OdB/~2dB/~4dB	0dB/~2dB/~4dB	
Crossover Midrange Connections	Through/Low Cut	Through/Low Cut	
Gold-Plated Crossover Speaker Terminals	•	•	
Power Handling	180 Watts	160 Watts	
Sensitivity	91dB	90dB	
Frequency Response	35Hz ~ 30kHz	40Hz ~ 30kHz	

### DUALMAGS SPEAKER FEATURES

	KFC-XR600	KFC-XR500	KFC-XR400
SPEAKER FEATURES			
Pear Mica Polypropylene Woofer Cone	6"	5"	4"
UFLC Soft-Dome Tweeter	1"	1"	13/16"
Butyl Rubber Surround	•	•	•
Pearl-Mica Injection-Molded Polypropylene Dustcap	•	•	•
4-Layer Heat-Resistant Voice Coil.	•	•	
Heat-Resistant Voice Coil and Polyamide Damper			•
Dual Neodymium Magnets	•	•	•
Bridged Tweeter Support	•	•	•
Speaker Connectors	Gold-Plated	Gold-Plated	Gold-Plated
Bi-Wire Connections	•	•	•
OFC Speaker Wire	•	•	•
Magnet Weight	0.82 oz x 2	0.82 oz x 2	0.29 oz x 2
Power Handling	180 Watts	160 Watts	100 Watts
Sensitivity	92dB	91dB	90dB
Frequency Response	35Hz ~ 30kHz	40Hz ~ 30kHz	45Hz ~ 30kHz
Mounting Depth	1-15/16"	1~7/8"	1-5/8"



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