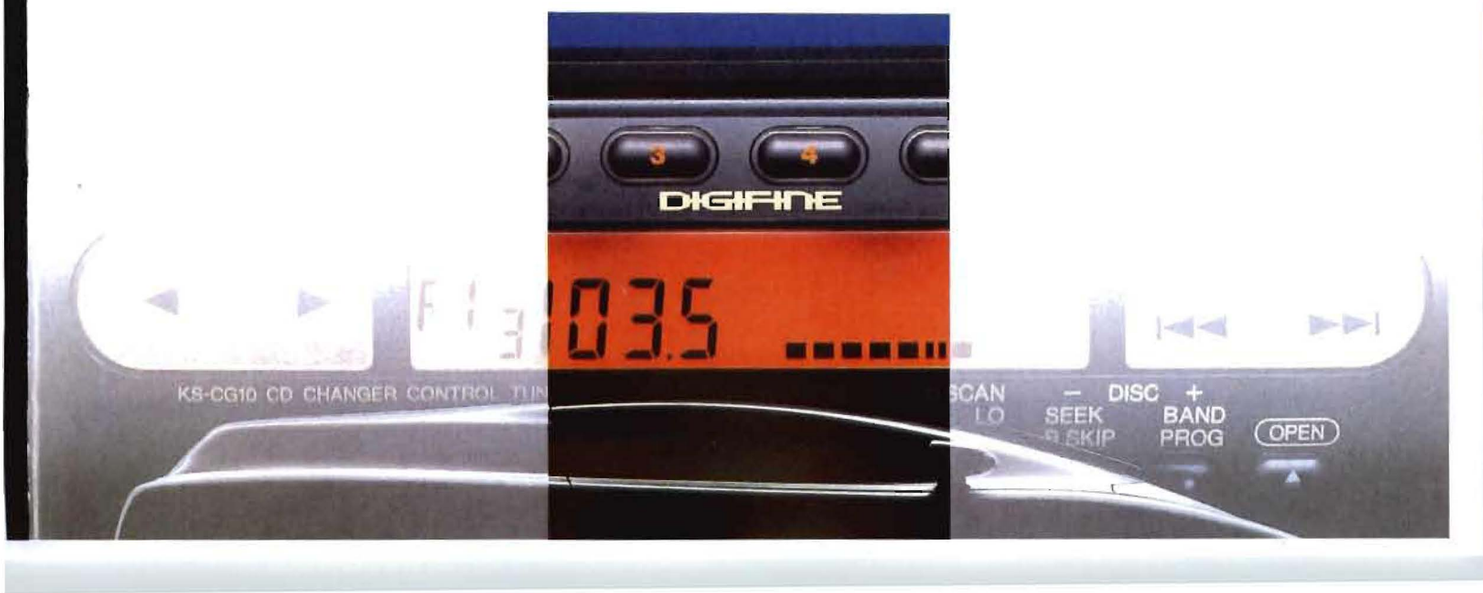
JVC

MOBILE AUDIO COMPONENTS 1991

LEE RITENOUR at the 1990 JVC International Jazz Festival

We Bring the Music to You



Styled for Function, St

JVC Mobile Audio represents today's highest art of automotive audio engineering. The components in the series enable you to enjoy the extraordinary excitement and thrills of digital sound while you drive. Yet they also provide the aesthetic beauty, ergonomic styling and ease of

The ASPID Coupe was designed by Giorgetto Giugiaro of Italdesign, and is considered one of his most aesthetically impressive works of industrial design.

Styled for Performance

operation that only the highest standards in function and form can provide. And that's what Giugiaro design is all about. JVC Mobile Audio—styled for function, styled for performance. You'll boast about the sound of your audio system . . . and its distinctive looks.

JVC Takes Digital Sound On The Road

A car's listening environment is as demanding of the car's sound system as the road is of the driver. To meet that challenge head-on, JVC mobile CD components feature the most advanced digital technology available on the road today. This dedication to digital excellence is embodied in the DIGIFINE series designed by the leading-edge Italian car designer Giorgetto Giugiaro. From CD Receivers to 6-disc and 12-disc CD Changers, you can custom design a JVC audio system that will turn your car into a travelling sound studio — for hours of rock, jazz, or classical music on the road.

JVC CD Technology

The 1-Bit DA Converter

1 bit DAC

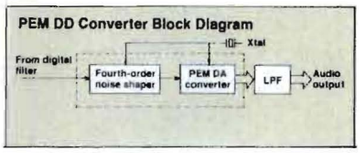
The world of digital audio has experienced rapid technological progress in recent years, and JVC has been at the vanguard of that progress. The latest advancement is the introduction of 1-bit DA (Digital-Analog) converters, used in the JVC XL-MG600/MK1200 CD Changers, and the XL-G4500/G3500 CD Receivers. Where conventional ladder-type DA converters tend to produce nonlinear distortion and zero-crossing distortion, 1-bit DA converters achieve superior linearity with no zero-crossing distortion, especially at low signal levels. This results in amazingly vivid and clear sound.

JVC's 1-Bit PEM DAC And 4th Order Noise Shaper

But at JVC we knew we could take digital excellence one step further. So we developed the PEM DD (Pulse Edge Modulation Differential Linearity Errorless DA) converter – the most technologically advanced DAC available. Designed for use in home Hi-Fi components, the PEM DAC offers two to four times the resolution of conventional 1-bit DAC systems. That's why we're offering it for the first time in a car audio component: the XL-G4500 Mobile CD Receiver.

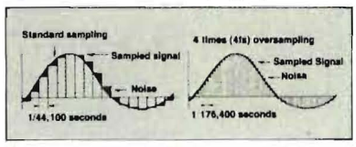
The higher resolution of the PEM system developed by JVC is due to the pulse edge modulation used in the local DA converter. By utilizing two independent output pulse waves that are then combined, more than twice the resolution is attained, and the signal-to-noise ratio and dynamic range of the output signal are greatly enhanced. As well, when the 1-bit pulse goes through the low-pass filter, its value is determined at its edges, rather than from its width, adding to the greater sound resolution.

Higher resolution also means that the PEM DD converter can utilize 4th order noise shaping at the bit compression stage. The result is a much cleaner 1-bit signal entering the low-pass filter, eliminating noise in the audible range even more completely. What you actually hear is music unsurpassed by any other current digital technology. Zero-crossing distortion is eliminated and greater linearity at low signal levels is achieved, producing an analog signal as close to the original as possible.



Oversampling Digital Filter

When low-pass filters are used in DA converters, one of the results is phase distortion, which is heard as deterioration of the sound quality. To eliminate this problem, all JVC mobile CD components feature quadruple digital oversampling. The effect of digital oversampling is to move the unwanted noise into the inaudible high-frequency range. JVC utilizes quadruple oversampling to ensure that as much noise is removed as possible, resulting in accurate phase response and a high S/N ratio. All that is left is the crisp, clear sound JVC is known for. In the XL-G4500 however, JVC's unending dedication to digital purity can be seen in the use of an 8-times oversampling digital filter.



High-Precision 3-Beam Laser Pickup

Precision focusing and tracking is maintained by our 3-beam laser pickup that places one main beam between two additional ones. The incredibly small distance separating the beams, a mere 16 microns, guarantees extremely high sensitivity and further enhances the already high precision. The pickup assembly itself is lightweight to enhance response speed and minimize the amount of noise entering the servo system.

Vibration And Heat Resistance

Because the interior of a car can be a hostile environment for your mobile audio equipment, JVC CD components are made to be both vibration and heat resistant. Oil- dampened, rubber-encapsulated springs help to prevent road generated shocks and vibrations from disturbing the pickup system. This is also guarded against by a specially designed tracking servo. To protect the components from the extreme heat that can build up in a car, the pickup's focusing lens is made of a highly heat resistance material, while a posistor-equipped protection circuit detects when the temperature has reached a critical point and prevents operation until the temperature returns to an acceptable level.

JVC CD Operating Convenience

CD Cartridge System

JVC single-disc mobile CD components employ a CD cartridge loading system that provides a level of user convenience and disc protection that simply is not possible with other loading systems.

The XC-20 cartridge (included) acts like a removable version of the disc tray on your home CD player. Its half-sealed design allows you to load and unload discs freely once the cartridge is loaded into the disc slot. When additional disc protection is warranted, the original XC-10 cartridge (optional) fully encloses your discs, keeping them clean and protecting them from scratches that can seriously affect their performance. The discs are pre-loaded into separate cartridges and the entire cartridge is then loaded into the player, leaving your hands free to negotiate your car through whatever the road puts in front of you.

XC-20 XC-10

Operational Convenience

Just because you're on the road doesn't mean you should have to sacrifice convenience for performance. And with a

JVC CD unit in your car, you don't. Because our mobile CD components contain most of the convenience features found in home CD players. Features like **Direct Access** to any track at the touch of a numeric control. Or with **Random Play** you can listen to a disc's selections in a constantly changing order. The **Intro Scan** mode only plays back the first 10 seconds of each track until you find the song you're looking for. For continuous playback, two **Repeat** modes let you either repeat an individual track or the entire disc — at the push of a button. Or quickly switch from one track to another using **Track Skip**.

JVC CD Changer Systems

For owners of JVC Mobile CD Changers, the option of one or two 6-disc magazine capability lets you select the right changer to build your system around in order to best satisfy your mobile digital audio needs. Each magazine holds 6 discs, with trays available for both 5" full-length and 3" single CDs, allowing up to 6 hours of uninterrupted driving and listening pleasure. The full range of advanced access functions possible with a JVC Changer Controller unit make either the one magazine XL-MG600 or the two magazine XL-MK1200 the ideal companion for extended highway tours or distraction-free city driving.

To make installation as convenient as possible, the new XL-MG600 CD Changer can be installed either vertically or horizontally. This means they can be situated where they'll take up the least amount of space possible, freeing your valuable trunk space for other cargo.

Changer Operational Convenience

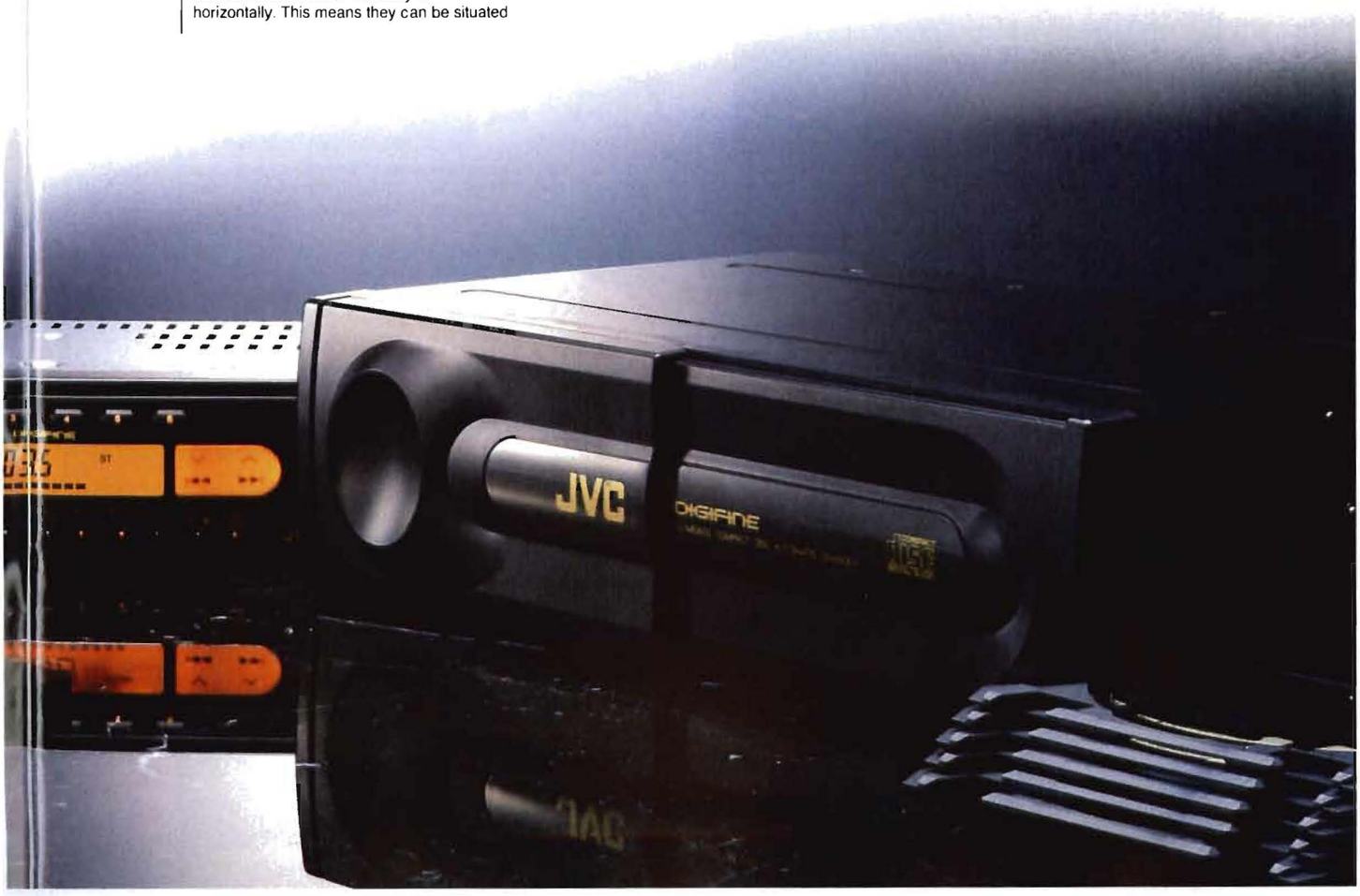
Whether you choose one magazine or two, both changers offer the utmost convenience to be found in even a home CD changer system. A full range of functions let you control the playback with a minimum of distraction. **Direct Access** to any individual track on any disc using the numeric keypad is simple and immediate. Selections to be listened to can be found using **Intro Scan** to play only the first 15 seconds of either every track on the loaded discs, or only those songs programmed, and up to 50 can then be programmed for playback. For the more adventurous, two **Random Play** modes let you hear the cuts on one disc or all the loaded discs in an order generated by the component itself. **Repeat Play** can then repeat a song automatically when you've found one that you think you'd like to drive to for more than one playing.

Horizontal mounting

Vertical mounting

Magazine Compatibility

Providing the ultimate in versatility, the XC-M73 3" disc magazine (optional) and the XC-M75 5" disc magazine (included) can both be loaded directly into JVC Home CD Changers and Portable CD Changer models when you reach your destination.



JVC CD Changer System Configurations: Unlimited Versatility, Uncompromising Performance

Offering a full line of digital mobile audio components, JVC can meet any demands made by even the most discerning of audiophiles. By using one of our direct-connection or simplified system-expansion configuration patterns, you can custom build your dream sound system from the road up, or maximize the performance of your present system.

Direct Connection to a Cassette Receiver with CD Changer Control

Connect a trunk mounted XL-MG600 or XL-MK1200 CD Changer directly to the KS-CG10 Changer Control Tuner Deck with an external power amplifier or to either a KS-RG8 or KS-RG4 Changer Control Cassette Receiver.

XL-MG600/MK1200
CD Changer

KS-CG10
Changer Control Tuner Deck

KS-RG8
Changer Control Cassete Receiver

KS-RG4
Changer Control Cassette Receiver

Simplified System Expansion

A: Using a JVC Exclusive Changer Controller and Cassette Receiver

Utilize your existing cassette receiver by connecting an XL-MG600 or XL-MK1200 CD Changer to it via JVC's KS-RM6 or KS-RM12 Changer Controller and dedicated KS-IF100 FM Modulator.

XL-MG600/MK1200 — KS-RM6/RM12 Changer Controller — KS-IF100 FM Stereo Modulator — JVC Cassette Receiver

B: Using a JVC FM Modulator with a Factory-Installed FM Receiver/Radio

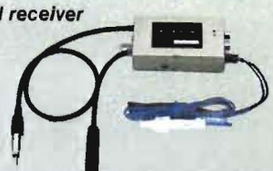
Transform your factory installed FM Receiver/Radio into a mobile CD system by connecting an XL-MG600 or XL-MK1200 CD Changer to it through a KS-RM6 or KS-RM12 Changer Controller and the KS-IF100 FM Stereo Modulator, which sends the CD signal to your FM Receiver/Radio over a preset broadcast frequency.

XL-MG600/MK1200 — KS-RM6/RM12 Changer Controller — KS-IF100 FM Stereo Modulator

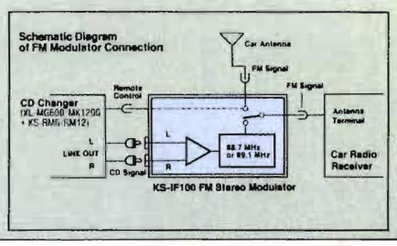
For CD Sound from a factory- installed receiver

KS-IF100 FM Stereo Modulator

An outstanding feature that makes it easy to upgrade your system when you wish, our KS-IF100 FM Modulator converts the CD signal output by the CD changer into an FM signal for reception by any FM receiver/radio unit. Using a KS-IF100, you could add a CD changer to your FM receiver system for example, free of any major re-wiring or reinstallation worries.



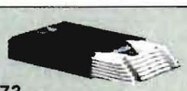
- Frequency switchable 88.7 MHz and 89.1 MHz
- Remote relay turn-on function provided



Magazine Convenience

Two types of 6-disc magazines are available: the XC-M73 (optional) for increasingly popular 3" discs and the XC-M75 (included) for regular 5" discs. As well, the trays used in both models are interchangeable, so 3" and 5" discs can be loaded in the same magazine.

XC-M75
6-Disc Magazine for 5" (12 cm) CDs (included)



XC-M73
6-Disc Magazine for 3" (8 cm) CD-Singles (optional)

XC-M75
6-Disc Magazine for 5" CDs
(Included)

XL-MG600

Compact Disc Automatic Changer

■ 6-disc CD playback capability; magazine compatible with JVC home and portable CD changers ■ 1-bit dual noise shaping DA converter ■ Quadruple oversampling digital filter ■ High-precision 3-beam laser pickup mechanism ■ 3" (8 cm) CD single compatibility with exclusive XC-M73 magazine (optional) ■ Anti-shock vibration mechanism ■ 2-way installation, either horizontal or vertical

XC-M73 (Optional)
6-Disc Magazine for
3" CD-Singles

DIGIFINE

XL-MK1200

Compact Disc Automatic Changer

■ 12-disc (2-magazine) CD playback capability; magazines compatible with JVC home and portable CD changers ■ 1-bit dual noise shaping DA converter ■ Quadruple oversampling digital filter ■ High-precision 3-beam laser pickup mechanism ■ 3" (8 cm) CD single compatibility with exclusive XC-M73 magazine (optional) ■ Anti-shock vibration mechanism

XC-M75
6-Disc Magazines for 5" CDs
(included)

KS-RM6

CD Changer Controller

■ Easy-to-handle compact CD Changer controller ■ Remote selection of 6 or 12 compact discs loaded in the magazines ■ Disc/track LCD display ■ 2-mode random playback of tracks in random order ■ Track skip, track search ■ Disc select ■ Power ON/OFF button ■ Dimensions (WHD): Controller 2-3 16" x 3-3 16" x 11 16" (55 x 80 x 16 mm) hideaway unit 6-3 16" x 1" x 5" (173 x 25 x 126 mm)

KS-RM12

CD Changer Controller

■ Remote selection of 12 compact discs loaded in 2 magazines (6 discs per magazine) ■ 10-key numeric keypad with +10 key for direct access to any track on any disc ■ Programming of up to 50 steps (tracks and discs) among 12 discs ■ 2-mode random playback of tracks in random order ■ Repeat play for any track on any disc ■ Intro scan for playback of first 10 seconds of all tracks ■ Track skip, track search ■ Disc select, disc scan ■ Dimensions (WHD): Controller 6-13 16" x 1-15 16" x 1-1 8" (172 x 48 x 27 mm) Hideaway unit 6-13 16" x 1" x 5-1 8" (173 x 25 x 130 mm)

DIGIFINE

DETACHABLE 1 bit DAC H.S.TUNER 4 CHANNEL 2-color illumination

DIGIFINE
DESIGN BY GIORGETTO GIUGIARO

22W x 4 MAX.

COMPACT disc DIGITAL AUDIO

XL-G4500

Mobile CD Receiver

CD Player Section

■ JVC PEM DD 1-bit DA converter ■ 8-times oversampling digital filter ■ CD cartridge loading system ■ High-precision 3-beam laser pickup ■ Track-error recovery system ■ 6-key direct access play with [+5] key ■ Random play, Track skip, Track search, Track repeat, Endless play, Intro scan

Tuner Section

■ HS TUner with 24-station preset memory (18 FM + 6 AM) ■ Preset scan, Station scan, Seek up/down ■ Stereo/Mono button ■ DX/Local button

Amplifier Section

■ 4-channel amplifier (22 watts x 4, max.) ■ Electronic control for volume, balance, bass, treble and fader ■ Volume attenuator

General

■ Detachable Control Panel ■ Front-selectable 2-color illumination (amber/green) ■ Digital clock ■ Power antenna lead ■ 2 pairs of line out terminals ■ Hide-away amplifier/tuner unit

1 bit DAC 4 CHANNEL BBS

DIGIFINE
DESIGN BY GIORGETTO GIUGIARO

22W x 4 MAX.

COMPACT disc DIGITAL AUDIO

XL-G3500

Mobile CD Receiver

CD Player Section

■ 1-bit dual noise shaping DA converter ■ Quadruple oversampling digital filter ■ CD cartridge loading system ■ High-precision 3-beam laser pickup ■ Track-error recovery system ■ Heat sensitive protection circuit ■ 10-key direct access play ■ Random play, Track skip, Track search, Track repeat, Endless play, Intro scan

Tuner Section

■ PLL synthesizer tuner with 20-station preset memory (15 FM + 5 AM) ■ Preset scan, Station scan, Seek up/down ■ Stereo/Mono button ■ DX/Local button

Amplifier Section

■ 4-channel amplifier (22 watts x 4, max.) ■ Fader control ■ Separate bass and treble controls

General

■ B.B.S. theft prevention system ■ 2 pairs of line out terminals ■ Hide-away amplifier/tuner unit (KS-ATU40) ■ Power antenna lead

KS-ATU40 (included)
Amplifier/Tuner Unit for XL-G3500

Optional hide-away unit so the XL-G3500 can be used in more than one vehicle; to be used together with optional BBS sleeve KS-B40K.

BBS

DIGIFINE
DESIGN BY GIORGETTO GIUGIARO

COMPACT disc DIGITAL AUDIO

XL-G2500

Mobile Tuner CD

CD Player Section

■ Quadruple oversampling digital filter ■ CD cartridge loading system ■ High-precision 3-beam laser pickup ■ Track-error recovery system ■ Heat sensitive protection circuit ■ 6-key direct access play with [+5] key ■ Track skip, Track search, Random play, Track repeat, Endless play, Intro scan, Program play

Tuner Section

■ PLL synthesizer tuner with 24-station preset memory (18 FM + 6 AM) ■ Station scan, Auto or manual seek up/down

General

■ Fader control ■ Separate bass and treble controls ■ B.B.S. theft prevention system ■ 2 pairs of line out terminals ■ Power antenna lead

KS-A2 (optional)
Amplifier Unit for XL-G2500

An optional hide-away amplifier unit exclusively designed for use with the XL-G2500.

25W x 2 MAX.

DIGIFINE
DESIGN BY GIORGETTO GIUGIARO

22W x 2 MAX.

XL-G2000

Mobile CD Receiver

CD Player Section

■ Quadruple oversampling digital filter ■ CD cartridge loading system ■ High-precision 3-beam laser pickup ■ Track-error recovery system ■ 6-key direct access play with [+5] key ■ Random play, Track skip, Track search, Track repeat, Endless play, Intro scan

Tuner Section

■ PLL synthesizer tuner with 24-station preset memory (18 FM + 6 AM) ■ Station scan, Seek up/down ■ Stereo/Mono button

Amplifier Section

■ High power output of 22 watts per channel ■ Fader control ■ Bass and treble controls

General

■ Line out terminals ■ Power antenna lead

1 bit DAC H.S.TUNER SSM TUNING 4 CHANNEL SUB-WOOFER

DIGIFINE

(22W + 8W) x 2 MAX.

KS-RX835

Mobile CD Cassette Receiver

CD Player Section

■ 1-bit dual noise shaping DA converter ■ Quadruple oversampling digital filter ■ CD cartridge loading system ■ 10-key direct access play ■ Random play, Track skip, Track search, Track repeat, Endless play, Intro scan

Tuner Section

■ HS (High-Sensitivity) tuner with 24-station preset memory (18 FM + 6 AM) ■ Preset scan, Station scan, Seek up/down ■ SSM ■ AFNS ■ Stereo/Mono button

Amplifier Section

■ 4-channel amplifier: (22W + 8W) x 2 max ■ Subwoofer control ■ Loudness switch

Cassette Deck Section

■ U-Turn auto reverse full-logic mechanism ■ Dolby B NR ■ Multi music scan, Blank skip ■ Fader control ■ Automatic radio play ■ Auto tape selector for metal/CrO2 tapes

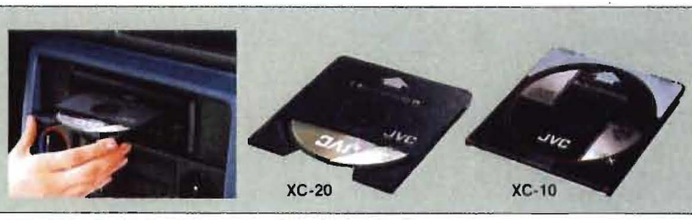
General

■ Subwoofer Out terminals ■ Key-off release key-on play mechanism ■ Digital clock ■ Front AUX-IN jack ■ Line out terminals

XC-20/XC-10

CD Cartridge

All the JVC mobile CD player is supplied with one cut-away XC-20 cartridge. Additional XC-20 and fully-enclosed XC-10 cartridges are optionally available.



BB SYSTEM

Theft-Prevention System

A BBSystem-equipped unit slides out of the dash so you can take it with you when you park in a high-risk area. And the new type BBS sleeve (KS-B80K/B70K) incorporates a Safety Lock to prevent the main unit from being released accidentally. An extra sleeve allows the use of the same head unit in another vehicle or boat.

KS-B3K for KS-R50, **KS-B40K** for XL-G3500, **KS-B60K** for XL-G2500, **KS-B70K** for KS-RX850/RX750/R650, **KS-B80K** for KS-RG4/RX950

Mobile Cassette Receivers

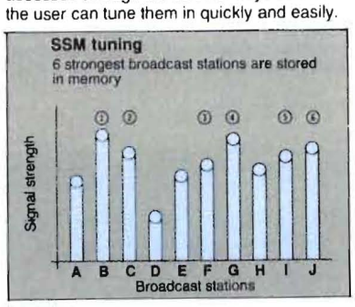
Extra Sensitivity and Superior Versatility

When JVC engineers design mobile audio components, only one thing concerns them: the perfect balance of the most advanced technology available with aesthetic design features that make them a natural extension of the driving process. The result is JVC's line of mobile cassette receivers that deliver optimum performance and ergonomic design with user convenience built into every feature.

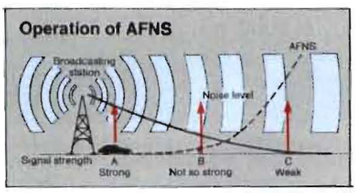
JVC Advanced Receiver Technology

HS (High Sensitivity) Tuner H.S.TUNER
The HS tuner section used in all DIGIFINE components is capable of superior selectivity thanks to its sharp resonance characteristics. Compared to conventional models, usable FM sensitivity is increased by 4 dBf (approx.), and 50-dB quieting sensitivity by 2 dBf by RF circuits that minimize noise and a PIN diode that attenuates signals input over the rated level. The overall effect is further enhanced by coaxial antenna connectors found in the BBS theft-prevention sleeves.

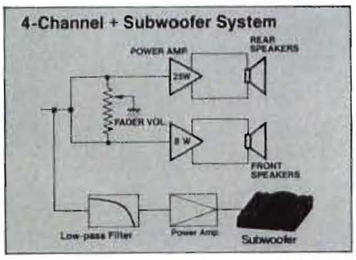
Strong-station Sequential Memory (SSM) SSM TUNING
After scanning all the frequencies in a given area, SSM memorizes the strongest five or six signals. These are then stored and accessed through the selector keys so that the user can tune them in quickly and easily.



Automatic FM Noise Suppression (AFNS)
To maintain constant sound clarity, JVC units contain a separation circuit that mixes channels progressively as the distance between the car and the signal source increases, which causes the FM signal's strength to decrease.



4-Channel Amplifier With Subwoofer Capability 4 CHANNEL AMPLIFIER SUB-WOOFER
Top models offer a powerful 4-channel amplifier capable of pumping out up to 25 W per channel from the rear speakers and 8 W per channel from the front, creating a dynamic, memorable listening experience. The subwoofer output terminals, independent subwoofer volume control, and built-in low-pass filter found in our top models also make it easy to fill out your system's sound with the addition of a subwoofer. By eliminating the need for a crossover network or an equalizer, all that you need is the subwoofer itself and an additional amplifier to power it.



CD-Ready CD READY
CD Ready models are equipped with a CD/AUX-in jack on their front panel so you can use your portable CD player in your car. Together with digital-ready circuitry, this makes adding the precision of digital sound to your mobile audio system easier than ever.

JVC Advanced Cassette Deck Technology

Sen-Alloy Head
JVC mobile cassette decks deliver audiophile-results and extremely wide frequency response thanks to the unique magnetic properties of their narrow-gap SA (Sen-Alloy) heads. And because mobile cassette decks frequently experience extended use, the SA heads also provide enhanced resistance to wear for a longer operating life.

Dolby B/C Noise Reduction DOLBY B-C NR
Less hiss and better sounding highs are the effects of Dolby B, which increases the signal-to-noise (S/N) ratio by approximately 10 dB at 5 kHz and above. Dolby C then improves the S/N at all frequencies by about 20 dB, increasing the dynamic range of the output signal.

U-Turn Auto-Reverse Logic Mechanism
Optimum tape contact is established and maintained in both directions by JVC's flip-reverse head, enabling you to enjoy continuous playback without any loss in sound quality when the tape direction changes.

Scanning Modes M.MUSIC SCAN
With Multi-Music Scan you can skip from your current selection to the beginning of the next 6 selections. Intro Scan plays the first 10 seconds of every cut until you find the song you're looking for and cancel the mode. To save time, Blank Skip automatically fast-forwards to the next song after 15 seconds of silence.

Superior Operating Freedom

CD Changer Control Functions CD Changer Control
As the world of mobile audio moves into the digital age, JVC is moving with it by introducing new advanced cassette receiver models featuring CD Changer Control functions. By enabling you to control JVC CD Changers directly through the receiver's control panel, you are free to either install both together, or easily expand your system with a JVC CD Changer in the future.
All three components with this built-in facility, the KS-CG10
CD Changer Control
Tuner Deck

and the KS-RG8 and KS-RG4 CD Changer Control Cassette Receivers, also feature the advanced styling of Italian car designer Giorgetto Giugiaro to blend pleasing aesthetics with pleasing performance.

Selectable 2-Color Illumination
At the push of one of the front control panel's buttons you can select either green or amber display screen illumination. Whether it's to suit driving conditions and reduce eye fatigue or simply to better compliment your car's interior, the choice is yours.

Amber illumination

Green illumination

Detachable Control Panel
Like the XL-G4500 CD Receiver, the KS-CG10 and KS-RG8 feature the new JVC/Giugiaro detachable control panel. With this new approach to car audio security, instead of removing the entire unit, only the front control panel slides on and off, leaving a black plate where the cassette insertion slot used to be as its only trace. As well, the unit cannot operate without the control panel, making it worthless to potential theives. The removed panel then fits easily and conveniently into a pocket or purse.

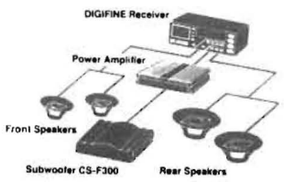
Detachable panel folds down . . .

. . . and slides off.

BBS Theft Prevention System
The new BBSystem with Safety Lock can easily be added to your mobile audio system when the cassette receiver is being installed. With BBS you can remove the entire component when you park in high-crime areas, or even at home overnight. The Safety Lock ensures that the unit won't be released accidentally. And by installing a BBS sleeve in other cars or boats you can use the same unit in more than one vehicle.

Wireless Remote Control
The KS-CG10 Changer Control Tuner Deck comes equipped with a wireless remote control. A full range of functions effectively extends control of the listening environment into the back seat as well as makes car audio more convenient than ever for the driver to command.

Sample Cassette Receiver System Connections.



DETACHABLE · Changer Control · H.S. TUNER · SSM TUNING · READY · SUB-WOOFER · Unlocks · MEGA · DOLBY B C NR · 2-color illumination · M MUSIC SCAN

DIGIFINE
DESIGN BY GIORGETTO GIUGIARO

KS-CG10

CD Changer Control Tuner Deck

Control Section

■ Wireless remote control provided ■ CD changer controls for the XL-MG600 MK1200 CD Changer — 2-mode random play, Repeat, Disc scan, Disc up down, Direct disc select (1 — 6), Track skip, Manual search — ■ Electronic control for Volume, Balance, Bass, Treble, Fader and Subwoofer ■ Volume attenuator ■ Loudness switch

Tuner Section

■ HS (High-Sensitivity) tuner with 24-station preset tuning (18 FM + 6 AM) ■ SSM (Strong-Station Sequential Memory) ■ Station scan, seek up down ■ AFNS (Automatic FM Noise Suppressor) ■ DX Local button ■ Stereo Mono button

Cassette Deck Section

■ U-Turn auto reverse full-logic mechanism ■ Dolby B C NR ■ SA head ■ Multi music scan, intro scan, blank skip, repeat ■ Auto tape selector for metal CrO2 tape

General

■ Detachable Control Panel ■ Front-selectable 2-color illumination (amber green) ■ Digital clock ■ Subwoofer Out terminals with level selector ■ Front CD-IN jack ■ Key-off release key-on play mechanism ■ Power antenna lead ■ 2 pairs of line out terminals ■ Line in terminals

Remote Control Unit (Supplied)

Compact, handy remote controller exclusively for KS-CG10, including disc selection, manual seek and programming for CD changer, band selection for tuner, blank skip for tape deck, control mode selection, volume control, muting (– 20 dB), and illumination colour selection (amber green)

DETACHABLE · Changer Control · H.S. TUNER · SSM TUNING · READY · 4 CHANNEL · SUB-WOOFER · Unlocks · MEGA · DOLBY B NR · 2-color illumination · M MUSIC SCAN

DIGIFINE
DESIGN BY GIORGETTO GIUGIARO

(25W + 8W) x 2 MAX.

KS-RG8

CD Changer Control Cassette Receiver

CD Control Section

■ CD Changer Control for XL-MG600/MK1200 — 2-mode random play, Repeat, Disc scan, Disc up/down, Direct disc select (1 — 6), Track skip, Manual search —

Tuner Section

■ HS (High-Sensitivity) tuner with 24-station preset memory (18 FM + 6 AM) ■ SSM (Strong-station Sequential Memory) ■ Station scan, Seek up/down ■ AFNS (Automatic FM noise suppressor) ■ DX/Local button ■ Stereo/Mono button

Cassette Deck Section

■ U-Turn auto reverse full-logic mechanism ■ Dolby B NR ■ Multi music scan, Intro scan and Blank skip ■ Auto tape selector for metal/CrO2 tapes ■ Automatic radio play

Amplifier Section

■ 4-channel amplifier: (25W + 8W) x 2 max. ■ Electronic control for Volume, Balance, Bass, Treble, Fader and Subwoofer ■ Volume attenuator ■ Loudness switch

General

■ Detachable Control Panel ■ Front-selectable 2-color illumination (amber/green) ■ Front CD-IN jack ■ Line Out terminals ■ Subwoofer Out terminals with level selector ■ Digital clock ■ Key-off release/key-on play mechanism ■ Power antenna lead

Detachable Control Panel — Another Security System —

DETACHABLE

The new Giugiaro-styling DIGIFINE head units use a remarkable new security system. These models are equipped with a Detachable Control Panel, which can be removed completely. After removal, only a black plate is left, which will not attract the attention of potential thieves.

Models equipped with Detachable Control Panel: CD Receiver Tuner CD: **XL-G4500**
Cassette Receiver: **KS-CG10 RG8**

(22W + 8W) x 2 MAX.

KS-RG4

CD Changer Control Cassette Receiver

CD Control Section

■ CD Changer Control for XL-MG600/MK1200 — Disc up/down, Direct disc select (1 — 6), Track skip, Manual search —

Tuner Section

■ HS (High-Sensitivity) tuner with 24-station preset memory (18 FM + 6 AM) ■ SSM (Strong-station Sequential Memory) ■ Station scan, Seek up/down ■ AFNS (Automatic FM noise suppressor) ■ Stereo/Mono button

Cassette Deck Section

■ U-Turn auto reverse mechanism ■ Dolby B NR ■ Music scan ■ Metal tape compatible

Amplifier Section

■ 4-channel amplifier: (22W + 8W) x 2 max. ■ CD Ready with front CD-IN jack ■ Separate bass and treble controls ■ Fader control ■ Loudness switch

General

■ Front-selectable 2-color illumination (amber/green) ■ Line out terminals ■ Power antenna lead ■ New B.B.S. theft prevention system with safety lock

Green illumination

(22W 8W) x 2 MAX.

KS-RX750

Mobile Cassette Receiver

Tuner Section

■ PLL synthesizer tuner with 20-station preset memory (15 FM + 5 AM) ■ SSM (Strong-station Sequential Memory) ■ Preset scan, Station scan, Seek up/down ■ AFNS (Automatic FM noise suppressor)

Cassette Deck Section

■ U-Turn auto reverse mechanism ■ Dolby B NR ■ Music scan

Amplifier Section

■ 4-channel amplifier: (22W + 8W) x 2 max. ■ Separate bass and treble controls ■ Fader control ■ Loudness switch ■ Stereo Mono button

General

■ Front-selectable 2-color illumination (amber/green) ■ Line out terminals ■ Power antenna lead ■ New B.B.S. theft prevention system with safety lock

8W x 4 MAX.

KS-R650

Mobile Cassette Receiver

Tuner Section

■ PLL synthesizer tuner with 20-station preset memory (15 FM + 5 AM) ■ Preset scan, Station scan, Seek up/down ■ AFNS (Automatic FM noise suppressor) ■ Stereo/Mono button

Cassette Deck Section

■ U-Turn auto reverse mechanism ■ Dolby B NR

Amplifier Section

■ 4-channel amplifier: 8 W x 4 max. ■ Separate bass and treble controls ■ Fader control ■ Loudness switch

General

■ Front-selectable 2-color illumination (amber/green) ■ Line out terminals ■ Power antenna lead ■ New B.B.S. theft prevention system with safety lock

8W + 8W MAX.

KS-R500

Mobile Cassette Receiver

Tuner Section

■ PLL synthesizer tuner with 20-station preset memory (15 FM + 5 AM) ■ Preset scan, Station scan, Seek up/down ■ AFNS (Automatic FM noise suppressor) ■ Stereo/Mono button

Cassette Deck Section

■ U-Turn auto reverse mechanism

Amplifier Section

■ Power output of 8 watts per channel ■ Separate bass and treble controls ■ Fader control ■ Automatic loudness

General

■ Power antenna lead ■ B.B.S. theft prevention system

8W + 8W MAX.

KS-R555

Mobile Cassette Receiver

Tuner Section

■ PLL synthesizer tuner with 20-station preset memory (15 FM + 5 AM) ■ Station scan, Seek up down ■ AFNS (Automatic FM noise suppressor) ■ Stereo/Mono button

Cassette Deck Section

■ U-Turn auto reverse mechanism ■ Dolby B NR

Amplifier Section

■ Power output of 8 watts per channel

■ Separate bass and treble controls ■ Fader control ■ Automatic loudness

General

■ Line out terminals ■ Power antenna lead

8W + 8W MAX.

KS-R400

Mobile Cassette Receiver

Tuner Section

■ PLL synthesizer tuner with 20-station preset memory (15 FM + 5 AM) ■ Station scan, Seek up/down ■ AFNS (Automatic FM noise suppressor) ■ Stereo/Mono button

Cassette Deck Section

■ U-Turn auto reverse mechanism

Amplifier Section

■ Power output of 8 watts per channel

■ Separate bass and treble controls ■ Fader control ■ Automatic loudness ■ Power antenna lead ■ Digital clock

25W + 25W MAX.

KS-RX710

Mobile Cassette Receiver

Tuner Section

■ PLL synthesizer tuner with 20-station preset memory (15 FM + 5 AM) ■ Station scan tuning ■ TNCC (Tuner noise control circuit) and AFNS (Automatic FM noise suppressor) ■ Stereo/Mono button ■ DX/Local button

Cassette Deck Section

■ U-Turn auto reverse mechanism ■ Dolby B noise reduction ■ Music scan

Amplifier Section

■ 5-element S.E.A. graphic equalizer ■ Power output of 25 watts per channel ■ Power fader control ■ Metal tape compatible

General

■ CD ready with CD input terminals ■ Digital frequency/clock display ■ Line in/out terminals ■ Key-off release/key-on play mechanism ■ Power antenna lead ■ Amber illuminated controls ■ Alarm system ready

Shaft-Type Cassette Receivers

(22W + 8W) x 2 MAX.

KS-RX175

Mobile Cassette Receiver

Tuner Section

■ PLL synthesizer tuner with 20-station preset memory (15 FM + 5 AM) ■ Preset scan, Seek up down ■ AFNS (Automatic FM noise suppressor) ■ Stereo Mono button

Cassette Deck Section

■ U-Turn auto reverse mechanism ■ Dolby B NR ■ Music scan ■ Metal tape compatible

Amplifier Section

■ 4-channel amplifier: (22W + 8W) x 2 max. ■ Separate bass and treble controls ■ Fader control ■ Automatic loudness control

General

■ Front-selectable 2-color illumination (amber green) ■ Digital clock ■ Line out terminals ■ Power antenna lead

8W + 8W MAX.

KS-R155

Mobile Cassette Receiver

Tuner Section

■ PLL synthesizer tuner with 20-station preset memory (15 FM + 5 AM) ■ Preset scan, Seek up down ■ AFNS (Automatic FM noise suppressor) ■ Stereo Mono button

Cassette Deck Section

■ U-Turn auto reverse mechanism ■ Dolby B NR ■ Music scan

Amplifier Section

■ Power output of 8 watts per channel ■ Separate bass and treble controls ■ Power fader control ■ Automatic loudness control

General

■ Front-selectable 2-color illumination (amber green) ■ Power antenna lead ■ Digital clock ■ Line out terminals

8W + 8W MAX.

KS-R135

Mobile Cassette Receiver

Tuner Section

■ PLL synthesizer tuner with 20-station preset memory (15 FM + 5 AM) ■ Preset scan, Seek up down

Cassette Deck Section

■ U-Turn auto reverse mechanism

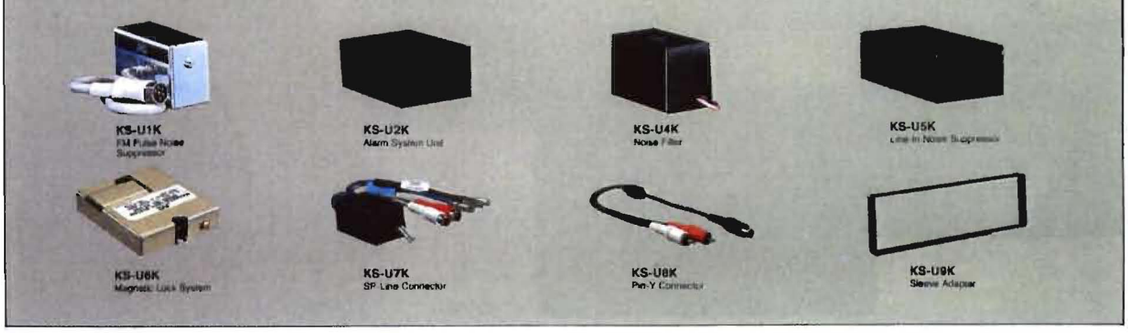
Amplifier Section

■ Power output of 8 watts per channel ■ Separate bass and treble controls ■ Power fader control ■ Automatic loudness control

General

■ Digital clock ■ Power antenna lead ■ Easy-to-see amber illumination

Options for Added Convenience/Performance and Security



Mobile DAP — Digital Acoustics Processor

Breaking The Sound Barrier Of Mobile Audio

One of the most advanced sound systems in terms of sensitivity ever designed is the human ear. That's why JVC studied real-life listening environments before designing the KS-DP100 Digital Acoustics Processor. The results of this attention to detail are digitally processed signals that accurately recreate actual sound fields that trick your ears into thinking they're in a concert hall, a church, a jazz club, or even at a baseball stadium rock concert — anywhere but the restricted sound field that they're used to in your car.

Sound Field Basics

When you attend a live music performance, the sound you hear consists of three major components: sound travelling directly from the performer to your ear, the initial reflections of the sound off the walls and ceiling that you hear after a slight delay, and the reverberations reflected off the wall and ceiling behind you that are heard after an extended delay.

When designing concert halls, acoustic engineers take all three of these factors into careful consideration. JVC thought it was only natural, then, to do the same thing and bring the "presence" of live music into the home listening environment. To this end, we introduced an innovative home Hi-Fi Digital Acoustics Processor a few years ago. Now, applying the same digital technology with a few more advancements, we're bringing live performances into the car audio environment — and breaking traditional sound barriers along the way. (See Fig. 1)

4 Programmed and 4 User-Programmable Acoustic Patterns

The KS-DP100 digitally recreates and adds to the original sound signal the components that give live performances their "live" feel, transforming your car into any of four preprogrammed musical venues. "HALL" reproduces the sound field of a large concert hall. "CHURCH" creates the effect of a cathedral with a high ceiling. "LIVE C." adds the more intimate "live" feeling of a jazz or blues club, while "STADIUM" puts an entire baseball stadium concert in your front seat. Four user-modified versions of the programmed sound fields can be stored in memory, allowing you to make custom alterations in the delay time and Surround level that are perfect for your favorite music. All eight programs are accessed by the push of a button. And the delay time between the initial sound and the final reverberation as well as the Surround Level can be independently adjusted with front panel controls.

Front-Focused Localization

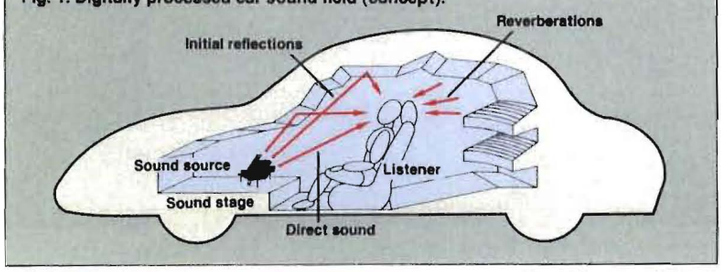
The Mobile Sound Field

When sitting in the front seat of a car, the sound field you hear is usually unstable and asymmetric. This is because of the differential in the distance between you and the left and right speakers. The sound produced is meant to be heard from the center of the car, not the driver or passenger seat.

JVC Digital Focus Control

With the KS-DP100's Digital Focus Control system, you can electronically manipulate the delay time between the left and right front speakers to move the focus point of the sound field to right in front of the driver or passenger seat. Vocals seem more natural while the altered field sounds as if the speaker closest to the listener has been moved outside the car's window. (See Fig. 2) This movable focus point makes JVC's Digital Acoustics Processor suitable for use in either left- or right-hand drive cars. As well, the sound field's focus point is displayed on the Focus Display Window, allowing precise focus location adjustment or the defeat of the focus so everyone in the car can experience optimal sound reproduction. By adding the KS-DP100 Digital Acoustics Processor to your four speaker system, you can overcome the inherent asymmetry of mobile audio systems and expand the sound field beyond the confines of doors and windows. No additional "sound field" speaker needs to be installed in the front-center of the car, although the optional addition of tweeters mounted in the dash enhances the total effect and makes the sound fields produced even more realistic. Slightly delayed sounds from the rear speakers are heard as natural reverberations for truly "live" sound. (See Fig. 3)

Fig. 1: Digitally processed car sound field (concept).



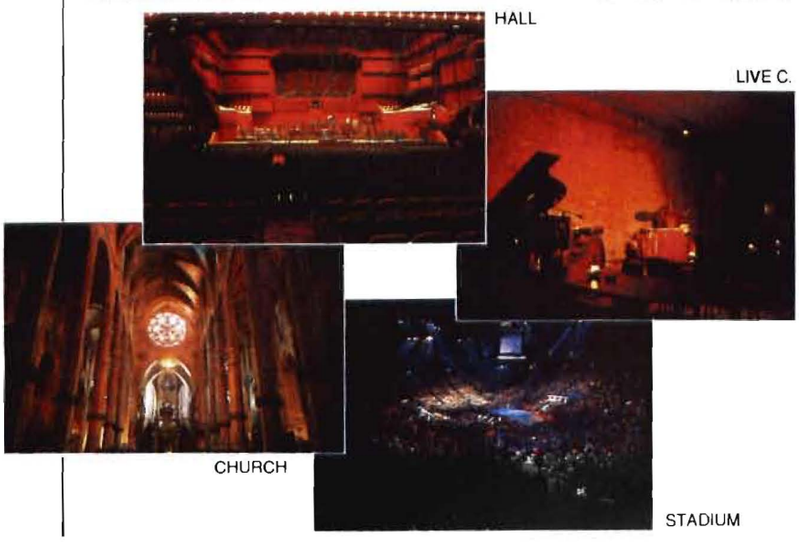


Fig. 2: Front localization obtained by Digital Focus Control (Concept)

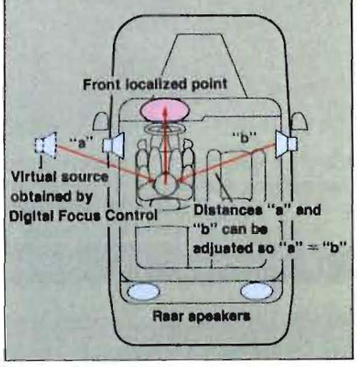
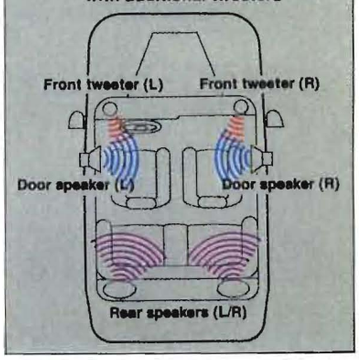


Fig. 3: In-car sound field obtained with additional tweeters

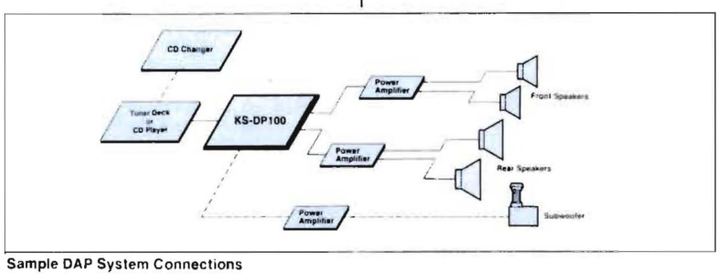


Digital LIVE EFFEX
The restricted space of a car naturally constricts the "sound stage" between the left and right front speakers, lending the sound image a distinctly unnatural sound. To counter this, the KS-DP100's Digital LIVE EFFEX circuitry electronically cancels unnecessary output signals from the front speakers so that each ear only receives the sounds it was meant to. This widens the sound stage so that it seems like the instruments to the left and right extend outside the car. This function is activated automatically when one of the four preprogrammed acoustic patterns is selected, all of which require the effect of a wide sound stage to produce optimal results.

Extended Bass Results
One of the functions of the Acoustic Effect mode is to emphasize the middle and high frequency output from the front speakers, making the lower frequencies seem quieter. This can be easily corrected with either the addition of a Subwoofer using the built-in Subwoofer Out terminals, or by improving the low-frequency response directly with the D.P. (Digital Processing) Bass control circuit, which boosts lows under 100 Hz from 0 to 10 dB in steps of 2 dB. Either way, the restored bass gives the sound a more natural and pleasing response throughout the audible sound spectrum.

KS-DP100 with optional flexible mounting arm (KS-K4001)

XL-MG600/MK1200
CD Changer



Sample DAP System Connections

KS-CG10
Changer Control Tuner Deck

KS-DP100

KS-DP100

Digital Acoustics Processor

■ Digital signal processing with 16-bit linear quantization ■ 4 preset acoustic effect patterns — Concert Hall, Live House, Church, Stadium ■ 4 user-programmable preset memory ■ Digital Focus control with Focus point display ■ Digital LIVE EFFEX ■ Digital-Processing BASS control ■ Roll-off frequency control ■ Delay time control ■ Subwoofer Out terminals with Phase select switch ■ Alphanumeric display with level indicator ■ Optional "Goose neck" mounting arm (KS-K4001)

Power Amplifiers and Equalizers

Harnessing The Power Of Sound

JVC realizes that amplifiers may be out of sight, but they definitely aren't out of mind — or hearing. That's why we engineered a line of mobile amplifiers that utilize the most advanced technology available to fill your power requirements, no matter how large they may be.

JVC Amplifier Technology

High Output Power and Low Distortion
JVC power amplifiers are designed to provide maximum power output as efficiently as possible, using components that produce extremely low harmonic distortion. High power output also means high heat output, which is dissipated by the sides of the amplifier units which act as heat sinks.

Bridgeable Design
The KS-AG404 features 4-channel output that gives the user the utmost in convenience when planning the design of his/her mobile audio system. Two front and two rear speakers can be powered at a maximum of 100 W each, or channels can be "bridged" and their output combined to power three speakers including a subwoofer, or a two speaker system. The KS-A204 4-channel amplifier is also capable of bridging channels for 3-channel system convenience.
Most JVC 2-channel amplifiers also have bridgeable channels that allow them to be used as mono amplifiers with up to 200 W maximum output.

Gain Control and Remote Relay Turn-On System
Most of our amplifiers have a gain control to balance the system when it is installed. The gain controls on 4-channel amps are for the rear channels, which are used to balance the whole system.
All JVC amps incorporate an automatic switching system that amplifies or equalizes signals whenever they are present at the input terminals, before sending them to the speakers. This allows the amplifiers to be installed in any convenient space, even if it's hard to reach.

Dynamic Super-A Dynamic Super-A
Offered for the first time in a mobile audio amplifier, the KS-AG404, JVC's Dynamic Super-A circuitry combines the high performance of power-intensive Class-A amps with the high efficiency of Class-B amps. The result is high power output without switching distortion and a much smoother output waveform for truly fine sound, while power consumption is kept to a very acceptable level.

Built-in Low-Pass and Hi-Pass Filters
By incorporating built-in low-pass and hi-pass filters in each channel's circuitry in the KS-AG404 amplifier, it is possible to bridge two channels to supply the lower frequencies to a subwoofer, while still supplying the higher frequencies to the left and right channels. The need for an additional crossover unit is eliminated.

4-channel power amplifiers

100W x 4 MAX., 200W x 2 MAX., 200W mono + 100W x 2 MAX.

KS-AG404

Dynamic Super-A Bridgeable 4-Channel Power Amplifier

■ Maximum power output of 400 watts [Multi-purpose selectable operation modes; 2-channel, 4-channel or 3-channel; * 2-channel mode: 200 W x 2, * 4-channel mode: 100 W x 4, * 3-channel mode: {200 W x 1) + (100 W x 2)]. * RMS power: 60 watts per channel, at no more than 0.04% THD (4 ohms, 20 — 20,000 Hz) ■ Dynamic Super-A circuit for improved harmonic distortion ■ Total harmonic distortion 0.02% at 1 kHz (front rear) ■ Frequency response of 20 — 40,000 Hz ■ Signal-to-noise ratio of 90 dB (IHF-A network) ■ Low-pass and high-pass filter switches ■ Gold-plated line-in/speaker terminals ■ 2 pairs of line inputs ■ Remote relay turn-on system ■ Gain control

(100W + 30W) x 2 MAX., 200W mono + 30W x 2 MAX. 4 CHANNEL AMPLIFIER

KS-A204

Bridgeable 4-Channel Power Amplifier

■ Maximum power output of 260 watts (100 W x 2, 30 W x 2) * RMS power: [Rear] 60 watts per channel, at no more than 0.04% THD (4 ohms, 40 — 30,000 Hz), [Front] 14 watts per channel, at no more than 0.5% THD (4 ohms, 40 — 20,000 Hz) ■ 3-channel capability (200 W mono bridged, 30 W x 2 channels) ■ Gain control ■ Remote relay turn-on system ■ Total harmonic distortion of 0.02% at 1 kHz ■ 2 pairs of line input terminals

(50W + 25W) x 2 MAX. 4 CHANNEL AMPLIFIER

KS-A154

4-Channel Power Amplifier

■ Maximum power output of 150 watts (50 W x 2, 25 W x 2) * RMS power: [Rear] 30 watts per channel, at no more than 0.08% THD (4 ohms, 40 — 20,000 Hz), [Front] 12 watts per channel, at no more than 0.5% THD (4 ohms, 40 — 20,000 Hz) ■ Gain control ■ Remote relay turn-on system ■ Total harmonic distortion of 0.04% at 1 kHz ■ 2 pairs of line input terminals

2-channel power amplifiers

100W x 2 MAX., 200W mono MAX.

KS-A202

Bridgeable Stereo Power Amplifier

■ Maximum power output of 100 W x 2 (stereo), 200 W bridged (mono) * RMS power: 60 watts per channel, at no more than 0.04% THD (4 ohms, 40 — 30,000 Hz) ■ Gain control ■ Remote relay turn-on system ■ Total harmonic distortion of 0.02% at 1 kHz

75W x 2 MAX., 150W mono MAX.

KS-A152

Bridgeable Stereo Power Amplifier

■ Maximum power output of 75 W x 2 (stereo), 150 W (mono) * RMS power: 45 watts per channel, at no more than 0.04% THD (4 ohms, 40 — 30,000 Hz) ■ Gain control ■ Remote relay turn-on system ■ Total harmonic distortion of 0.02% at 1 kHz

50W x 2 MAX., 100W mono MAX.

KS-A102

Bridgeable Stereo Power Amplifier

■ Maximum power output of 50 W x 2 (stereo), 100 W (mono) * RMS power: 30 watts per channel, at no more than 0.08% THD (4 ohms, 40 — 20,000 Hz) ■ Gain control ■ Remote relay turn-on system ■ Total harmonic distortion of 0.04% at 1 kHz

25W x 2 MAX.

KS-A51

Stereo Power Amplifier

■ Maximum power output of 25 W x 2 (stereo) * RMS power: 12 watts per channel, at no more than 0.8% THD (4 ohms, 40 — 20,000 Hz) ■ Remote relay turn-on system ■ Total harmonic distortion of 0.1% at 1 kHz ■ 2-way input

S.E.A. Graphic Equalizers

2-color illumination

KS-ES100

Electronic S.E.A. Graphic Equalizer

■ Electronic control 9-band graphic equalizer ■ "Voice Support" system for announcing the recalled pattern name, etc. ■ 5 programmed equalization patterns (Jazz, Pops, Rock, Disco, Classic) ■ 5 user-programmable equalization patterns ■ 2 key-on "Welcome" modes ("Count-down", UFO") ■ 10-pattern Spectrum Analyzer display with "Demo" mode ■ Front-selectable 2-color control illumination (amber/green) ■ Electronic control for equalization, volume and fader ■ S.E.A. defeat switch ■ Gold-plated line in/out terminals ■ Remote relay turn-on system

SUB-WOOFER

KS-E75

S.E.A. Dual Graphic Equalizer

■ 5+7-element S.E.A. dual graphic equalizer with independent front and rear controls ■ Fader control ■ S.E.A. defeat switch ■ Subwoofer ON/OFF switch with volume control ■ Easy-to-see amber illumination ■ 2 pairs of line out terminals plus subwoofer terminals

KS-E35

S.E.A. Graphic Equalizer

■ 7-element S.E.A. graphic equalizer ■ Fader control ■ S.E.A. defeat switch ■ Line in/out (4-channel) terminals ■ Remote relay turn-on system ■ Easy-to-see amber illumination

S.E.A. Graphic Equalizer/Amplifiers

25W x 4 MAX. 4 CHANNEL AMPLIFIER

KS-EA400

S.E.A. Graphic Equalizer/4 CH Amplifier

Graphic Equalizer Section

■ 7-element S.E.A. graphic equalizer ■ S.E.A. defeat switch

Amplifier Section

■ 4-channel total maximum output of 100 watts (25 W x 4), * RMS power: 12 W x 4, at no more than 0.8% THD (4 ohms, 40 — 20,000 Hz) ■ 5-LED multi-peak level indicator ■ Fader control ■ Easy-to-see amber illumination

25W x 2 MAX.

KS-EA200

S.E.A. Graphic Equalizer/2 CH Amplifier

Graphic Equalizer Section

■ 7-element S.E.A. graphic equalizer ■ S.E.A. defeat switch

Amplifier Section

■ Total maximum output of 25 watts per channel, * RMS power: 12 W x 2, at no more than 0.8% THD (4 ohms, 40 — 20,000 Hz) ■ Power fader control ■ Remote relay turn-on system ■ Easy-to-see amber illumination

Mobile Speakers

The Bottom Line In Sound Integrity

If your speakers don't measure up to the rest of your mobile sound system, you could be losing out on the intense, vivid sounds it is capable of producing. That's why JVC offers a line of mobile speakers capable of optimizing the performance of any system configuration. This year we've added the high performance, high design of our XG-series DIGIFINE speakers — the ultimate in advanced styling and precision sound reproduction.

XG-Series Technology

With the introduction of the XG-series of mobile speakers, JVC combines their most advanced technology to produce a speaker that cannot be outperformed. Specially developed HHC/PRO (Hybrid Hi-Carbon) woofer cones are light-weight and extremely rigid to provide the best possible internal loss.

XG-series midrange units utilize a pure natural silk soft-dome that enhances the localization of middle frequencies for more natural sound fields, especially vocals, with greater depth. Driving the midrange units is a new, lighter neodymium magnet capable of producing an extremely high magnetic flux density with 1.5 times the efficiency of conventional samarium cobalt magnets found in most high-power speakers. DIGIFINE XG-series speakers also feature either titanium or PEI (PolyEther-Imide) "balanced drive" tweeters with voice coils wound directly around the center of the speaker cone. By centrally locating the drive source, the output is diffused at a high speed with no transmission loss, producing exceptional highs.

JVC Advanced Basic Speaker Technology

All-Weather Durability
Because speakers can encounter almost any climatic extreme in your car — from direct sunlight and heat to rain-water — JVC mobile speakers are built to survive the hazards they re exposed to every day, while at the same time filling your car with full, rich sound.

Heat And High-Power Resistance
All JVC mobile speaker models are made with materials and internal elements that are extremely resistant to the prolonged high temperatures that can develop in cars. As well, most models utilize powerful strontium magnets, which are capable of generating the highest flux density of any magnet found in mobile speakers. It is this property which protects JVC speakers from damage by high-power inputs and also improves their frequency response.

Voice Coils
EX-series speakers are built with voice coils that use a special fluid that concentrates magnetic-flux to improve linearity and reduce distortion. The voice coils in our flush-mount speakers feature an even greater level of heat-resistance than that already found in our other speakers.

Advanced Cone Material
HHC (Hybrid Hi-Carbon) cone material makes our EX-series speakers exceptionally weather resistant. Thanks to a Young's modulus up to three times that of conventional cone materials, they deliver distortion free, crystal clear mids and highs to accompany their powerful low frequencies. PEC (PolyEster resin Coated) Carbon cones combine high-performance with excellent durability in our flush-mount speakers. Other JVC speakers are made with either our advanced Cloth Carbon cone material or Ceramic Olefin cone material, both of which give JVC speakers their extreme heat resistance and superior performance characteristics.

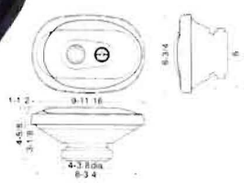
Easy Installation Design
Convenience was designed into every JVC car speaker. Flush-mount speakers have low-profile grills that won't obstruct window handles, and other speakers can be mounted in the dash, on the door, the rear tray, or from inside the trunk — wherever best suits your particular needs.

XG Series Speakers

XG DIGIFINE
DESIGN BY GIORGETTO GIUGIARO

CS-XG6938

6" x 9" Three-Way Speakers

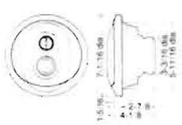


■ Power handling capacity of 150 watts (Max. music power) ■ Totally flat frequency response from 25 to 30,000 Hz ■ Water-resistant H.H.C. (Hybrid Hi-Carbon)/PRO cone woofer with powerful 20-oz strontium magnet ■ Soft-dome midrange unit with high-flux density neodymium magnet ■ PEI "balanced drive" tweeter for improved propagation speed

XG DIGIFINE
DESIGN BY GIORGETTO GIUGIARO

CS-XG638

6-1/2" Three-Way Speakers



■ Power handling capacity of 100 watts (Max. music power) ■ Totally flat frequency response from 30 to 30,000 Hz ■ Water-resistant H.H.C. (Hybrid Hi-Carbon)/PRO cone woofer with powerful 10-oz strontium magnet ■ Soft-dome midrange unit with high-flux density neodymium magnet ■ Titanium "balanced drive" tweeter for improved propagation speed

EX Series Speakers

CS-X6936

6" x 9" Three-Way Speakers

■ Power handling capacity of 135 watts (Max. music power) ■ Flat frequency response from 30 to 20,000 Hz ■ Water-resistant H.H.C. (Hybrid Hi-Carbon) cone woofer ■ Water-resistant midrange and tweeter units ■ Powerful strontium magnet ■ 2-way installation

CS-X6926

6" x 9" Two-Way Speakers

■ Power handling capacity of 100 watts (Max. music power) ■ Flat frequency response from 30 to 20,000 Hz ■ Water-resistant H.H.C. (Hybrid Hi-Carbon) cone woofer ■ Water-resistant tweeter unit ■ Powerful strontium magnet ■ 2-way installation

CS-X626

6-1/2" Two-Way Speakers

■ Power handling capacity of 100 watts (Max. music power) ■ Flat frequency response from 40 to 20,000 Hz ■ Water-resistant H.H.C. (Hybrid Hi-Carbon) cone woofer ■ Polyether-imide "balanced drive" tweeter unit for improved propagation speed ■ Powerful strontium magnet

CS-X616

6-1/2" Dual-Cone Speakers

■ Power handling capacity of 75 watts (Max. music power) ■ Flat frequency response from 40 to 20,000 Hz ■ Water-resistant H.H.C. (Hybrid Hi-Carbon) cone woofer ■ Powerful strontium magnet

CS-X426

4" Two-Way Speakers

■ Power handling capacity of 45 watts (Max. music power) ■ Flat frequency response from 50 to 20,000 Hz ■ Water-resistant H.H.C. (Hybrid Hi-Carbon) cone woofer ■ Polyether-imide "balanced drive" tweeter unit for improved propagation speed ■ Powerful strontium magnet

CS-X416

4" Dual-Cone Speakers

■ Power handling capacity of 45 watts (Max. music power) ■ Flat frequency response from 50 to 20,000 Hz ■ Water-resistant H.H.C. (Hybrid Hi-Carbon) cone woofer ■ Powerful strontium magnet

Flush Mount Type Speakers

CS-6937

6" x 9" Three-Way Speakers

■ Power handling capacity of 120 watts (Max. music power) ■ Flat frequency response from 30 to 27,000 Hz ■ PEC (Polyester Resin Coated) carbon cone woofer with rolled edge ■ Water-resistant midrange cone ■ Heat-resistant voice coil ■ Powerful 11.7-oz strontium magnet ■ 2-way installation

CS-6927

6" x 9" Two-Way Speakers

■ Power handling capacity of 100 watts (Max. music power) ■ Flat frequency response from 30 to 24,000 Hz ■ PEC (Polyester Resin Coated) carbon cone woofer with rolled edge ■ Water-resistant tweeter cone ■ Heat-resistant voice coil ■ Powerful strontium magnet ■ 2-way installation

CS-6917

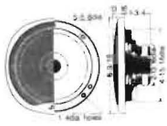
6" x 9" Dual-Cone Speakers

■ Power handling capacity of 75 watts (Max. music power) ■ Flat frequency response from 30 to 15,000 Hz ■ PEC (Polyester Resin Coated) carbon cone woofer ■ Heat-resistant voice coil ■ Powerful strontium magnet

CS-627

6-1/2" Two-Way Speakers

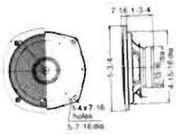
■ Power handling capacity of 100 watts (Max. music power) ■ Flat frequency response from 40 to 20,000 Hz ■ PEC (Polyester Resin Coated) carbon cone woofer ■ Water-resistant tweeter cone ■ Heat-resistant voice coil ■ Powerful strontium magnet



CS-617

6-1/2" Dual-Cone Speakers

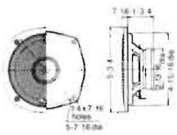
■ Power handling capacity of 60 watts (Max. music power) ■ Flat frequency response from 40 to 19,000 Hz ■ PEC (Polyester Resin Coated) carbon cone woofer ■ Heat-resistant voice coil ■ Powerful strontium magnet



CS-526

5-1/4" Two-Way Speakers

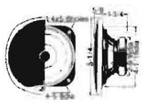
■ Power handling capacity of 60 watts (Max. music power) ■ Flat frequency response from 50 to 20,000 Hz ■ PEC (Polyester Resin Coated) carbon cone woofer ■ Water-resistant tweeter cone ■ Heat-resistant voice coil ■ Powerful strontium magnet



CS-516

5-1/4" Dual-Cone Speakers

■ Power handling capacity of 60 watts (Max. music power) ■ Flat frequency response from 50 to 20,000 Hz ■ PEC (Polyester Resin Coated) carbon cone woofer ■ Heat-resistant voice coil ■ Powerful strontium magnet



CS-427

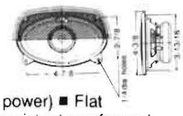
4" Two-Way Speakers

■ Power handling capacity of 45 watts (Max. music power) ■ Flat frequency response from 50 to 20,000 Hz ■ PEC (Polyester Resin Coated) carbon cone woofer ■ Water-resistant tweeter cone ■ Heat-resistant voice coil ■ Powerful strontium magnet

CS-417

4" Dual-Cone Speakers

■ Power handling capacity of 45 watts (Max. music power) ■ Flat frequency response from 50 to 20,000 Hz ■ PEC (Polyester Coated) carbon cone woofer ■ Heat-resistant voice coil ■ Powerful strontium magnet

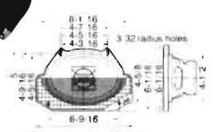


CS-4625

4" x 6" Two-Way Speakers

■ Power handling capacity of 45 watts (Max. music power) ■ Flat frequency response from 50 to 20,000 Hz ■ Water-resistant woofer and tweeter units

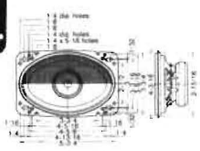
CERAMIC OLEFIN



CS-5724

5" x 7" Two-Way Speakers

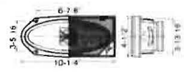
■ Power handling capacity of 60 watts (Max. music power) ■ Flat frequency response from 40 to 20,000 Hz ■ Ceramic Olefin cone woofer ■ Water-resistant tweeter



CS-4624

4" x 6" Two-Way Speakers

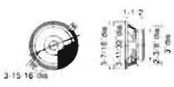
■ Power handling capacity of 45 watts (Max. music power) ■ Flat frequency response from 50 to 20,000 Hz ■ Water-resistant woofer and tweeter units ■ Designed for in-dash mounting in GM, Ford, Chrysler and Japanese cars



CS-4124

4" x 10" Two-Way Speakers

■ Power handling capacity of 60 watts (Max. music power) ■ Flat frequency response from 40 to 20,000 Hz ■ Specially designed for GM cars with narrow rear decks

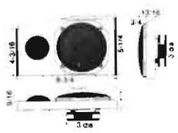


CS-304

3-1/2" Dual-Cone Speakers

■ Power handling capacity of 30 watts (Max. music power) ■ Flat frequency response from 80 to 15,000 Hz ■ Water-resistant speaker units ■ Designed for in-dash mounting in GM, Ford, Chrysler and Japanese cars

Wooden Baffleboard Speakers



CS-103

Wooden Baffleboard Two-Way Speakers

■ Power handling capacity of 60 watts (Max. music power) ■ Flat frequency response from 40 to 25,000 Hz ■ ARC hi-carbon cone woofer ■ High-density wooden-base baffleboard ■ Water-resistant polymer film tweeter

Box Type Speakers

DIGIFINE
DESIGN BY GIORGETTO GIUGIARO

CS-BG7

Bassreflex Three-Way Speaker System

■ Power handling capacity of 100 watts (Max. music power) ■ High-density compound resin cabinet ■ Flat frequency response from 45 to 30,000 Hz ■ Heat-resistant woofer voice coil ■ Powerful strontium woofer and midrange magnets ■ New Giugiaro rounded design enclosure

CS-B1

Bassreflex Two-Way Speaker System

■ Power handling capacity of 70 watts (Max music power) ■ Flat frequency response from 60 to 20,000 Hz ■ Rolled edge cone woofer ■ Heat-resistant woofer voice coil ■ Powerful strontium woofer magnet ■ New rounded design enclosure

CS-B009

Bassreflex Four-Way Speaker System

■ Power handling capacity of 100 watts (Max music power) ■ Flat frequency response from 40 to 20,000 Hz ■ 4-1 2" cone woofer, 2' cone midrange, 3 4" dome tweeter and horn super tweeter ■ Triple duct design for richer, extended bass response ■ Heat-resistant woofer voice coil ■ New rounded design enclosure ■ Separate adapters provided for easier installation

CS-B007

Bassreflex Three-Way Speaker System

■ Power handling capacity of 70 watts (Max music power) ■ Flat frequency response from 50 to 20,000 Hz ■ 4 ' cone woofer, 2-1 4" cone midrange and horn tweeter ■ New rounded design enclosure ■ Separate adapters provided for easier installation

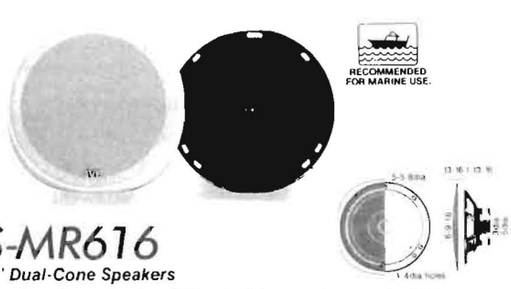
Marine Speakers

This year, JVC offers specially designed mobile speakers, exclusively for marine use
Their white-colored grille frame combination will be sure to match your cruiser or yacht.

CS-MR626

6-1/2" Two-Way Speakers

■ Power handling capacity of 100 watts (Max. music power) ■ Flat frequency response from 40 to 20,000 Hz ■ Water-resistant H.H.C. (Hybrid Hi-Carbon) cone woofer ■ Polyether-imide "balanced drive" tweeter unit for improved propagation speed ■ Powerful strontium magnet ■ Round-punched white mesh grille with heat-proof white resin frame



CS-MR616

6-1/2" Dual-Cone Speakers

■ Power handling capacity of 75 watts (Max. music power) ■ Flat frequency response from 40 to 20,000 Hz ■ Water-resistant H.H.C. (Hybrid Hi-Carbon) cone woofer ■ Powerful strontium magnet ■ Round-punched white mesh grille with heat-proof white resin frame

RECOMMENDED FOR MARINE USE

* Recommended for Marine Use
Speakers should be mounted inside cabin or protected so they are not exposed directly to water

Multi-Speaker Systems and Subwoofers

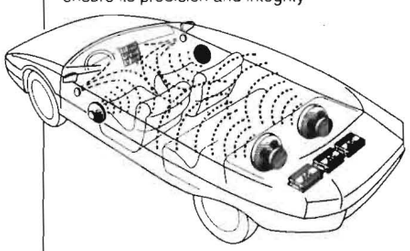
Maximized Performance Through Custom Design

Multi-Speaker Systems

The design of your mobile audio system is as important as the design of the components that make it up. In the constricted environment of a car's listening space, careful attention to speaker arrangement can make the difference between good sound and outstanding sound. That's why a multi-speaker system using JVC tweeters, midrange speakers, and subwoofers makes so much sense to audio purists who demand all that their mobile audio system is capable of giving them.

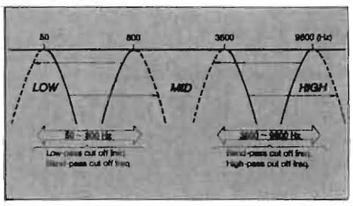
Mobile Multi-Speaker Technology

In a multi-speaker system, different frequency ranges are produced by separate units specially designed for their reproduction. When heard together, the combined output sounds more natural to the human ear. The frequencies are separated into three components by a cross-over network, and each component is then amplified independently of each other to ensure its precision and integrity



KS-N31 Electronic Crossover

Versatile system design is made possible by the 1 2 DIN sized JVC KS-N31. Incorporating four frequency adjustment controls — one for woofers (20 Hz ~ 50 — 800 Hz), two for midrange speakers (for the low and high ranges), and one for the high end (3,500 — 9,600 Hz ~ 30,000 Hz) — it can also be used in two different 2-way configurations. The KS-N31 utilizes a 12 dB/ octave filter slope to assure natural sound reproduction, while two phase-adjust switches provide important system flexibility when speakers are added or the cross-over frequencies are adjusted.



Plasma Diamond Coated Tweeter

Produced using technology developed for the manufacture of semiconductors, the JVC CS-T01 PDC (Plasma Diamond Coated) tweeter incorporates a diamond-coated titanium dome that extends its high-frequency ceiling far above that of conventional titanium diaphragms.

High-Input-Capable

Aluminum voice coil bobbins in our tweeters give them better heat dissipation qualities, as well as allowing the speakers to handle higher inputs with increased resistance to overloads that can seriously damage them. The improved linearity and reduced harmonic distortion resulting from this ability to handle higher power is also the effect of filling the voice coil gap with a magnetic fluid that increases the magnetic flux.

Laminated High-Carbon/Hi-Carbon Olefin Cone Midrange Units

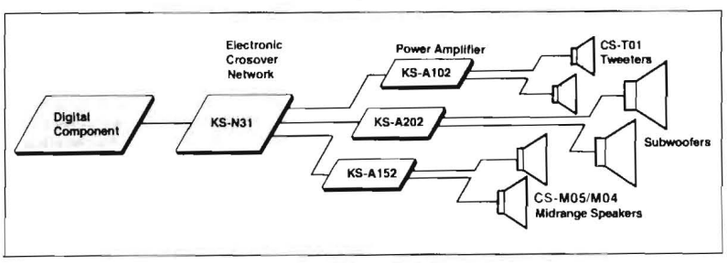
A laminated high-carbon cone is used in the CS-M04, greatly increasing its lightness and rigidity. In the CS-M05, a special olefin compound improves its internal loss and propagation characteristics.

Laminated Cone Subwoofers

JVC subwoofers come in three sizes to fill any requirements you may have in the area of low frequency sound production, and all can be driven by an independent amplifier or DIGIFINE receivers equipped with subwoofer outputs. Resistance to breakup oscillations, reduction of internal loss, and excellent propagation speed are all due to the laminated material used in the construction of their cones. And a 4-layer heat-resistant voice coil generates higher magnetic flux for greater sound pressure with reduced non-linear distortion. The resonance frequency is also lower for enhanced sound in the lower frequencies.

Subwoofer Enclosures

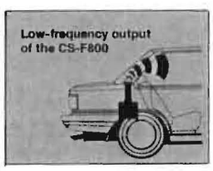
For optimum sound reproduction from JVC subwoofers, open-air trunk installation is recommended, although subwoofers installed using wooden baffleboard mountings will also deliver high-quality sound that will literally blow you away.

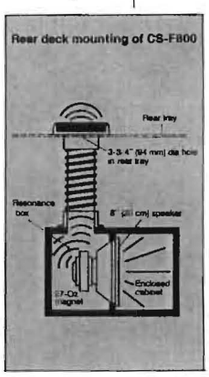


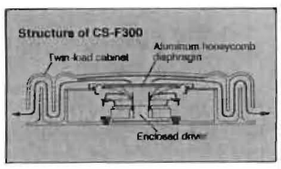
Subwoofer Systems

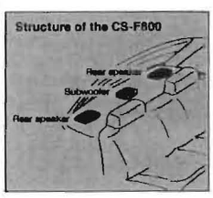
Today's mobile audiophiles demand careful attention to the reproduction of the total sound range, including the lower frequencies. To satisfy this demand, JVC offers two distinct styles of subwoofer systems that produce bass powerful enough to out-muscle anything else on the road.

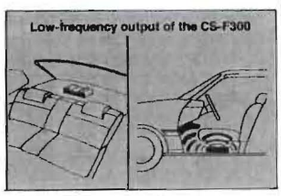
The Twin-Load CS-F300 is designed especially for those car owners who have to be conscious of space restrictions when they design their mobile sound system. Its convenient rear deck/underseat mounting saves space while still pumping out incredibly deep, powerful bass through its advanced square aluminum-honeycomb diaphragm and paired sound ducts. Ultra-low frequency reproduction is the aim of the trunk mounted CS-F800 Hyper-Bass Subwoofer system, which operates only between 20 and 150 Hz. The powerful sound itself is delivered through a duct that opens out of the car's rear deck.
Two pairs of stereo inputs for convenient system connection are featured on both units, as are the powerful strontium magnets that quality bass reproduction demands. Driven by two channels of a stereo amplifier, their twin-drive double-wound heat resistant voice coils combine the inputs to increase the output by a factor of 2.











Multi-Speaker System

KS-N31

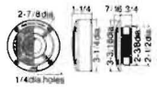
Electronic Crossover Network

■ Continuously variable control over crossover frequencies (50 — 800 Hz for woofer, 50 — 800 Hz for midrange low-cut, and 3.5 — 9.6 kHz for midrange high-cut, 3.5 — 9.6 kHz for tweeter) ■ Crossover network switchable between 3-way/2-way operation ■ Two 2-way mode switches; Low-Mid pass and Mid-High pass ■ Phase adjust switches for total balance of multi-speaker system ■ Gain control ■ 12 dB/oct. filters

DIGIFINE

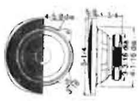
CS-T01

1" Dome Tweeter Units



■ Power handling capacity of 200 watts (Max. music power) ■ Frequency response from 2,000 — 30,000 Hz ■ PDC (Plasma Diamond Coated) titanium dome diaphragm ■ Magnetic-fluid in voice coil gap for improved linearity ■ 3-position installation ■ For use in multi-speaker system or independently with crossover network provided

DIGIFINE

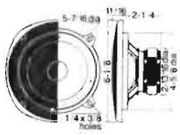


CS-M04

4" Midrange Units

■ Power handling capacity of 150 watts (Max. music power) ■ Frequency response from 45 to 7,000 Hz ■ Laminated hi-carbon water-resistant cone diaphragm ■ Rolled polyurethane edge for higher linearity ■ Heat resistant voice coil ■ Round-punched mesh grille with heat-proof resin frame ■ High-power strontium magnet ■ For use in multi-speaker system

DIGIFINE



CS-M05

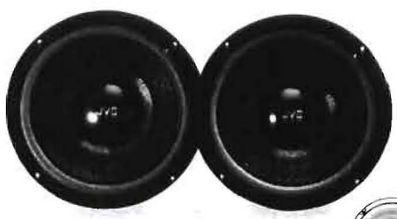
5-1/4" Midrange Units

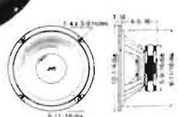
■ Power handling capacity of 150 watts (Max. music power) ■ Frequency response from 45 to 7,000 Hz ■ Water-resistant hi-carbon olefin cone ■ Large 8.1-oz strontium magnet ■ Rolled foam urethane edge for higher linearity ■ Heat resistant voice coil ■ Round-punched mesh grille with heat-proof resin frame ■ For use in multi-speaker system

CS-F08

8" Subwoofer Units

■ Power handling capacity of 200 watts (Max. music power) ■ Frequency response from 30 to 2,000 Hz ■ Laminated high-rigidity cone for dynamic bass sound ■ 4-layer heat-resistant voice coil ■ Large 26-oz magnet ■ Rolled foam urethane edge for higher linearity ■ Round-punched mesh grille with heat-proof resin frame ■ For use in multi-speaker system ■ Lowest output frequency of 32 Hz (open-air installation), 35 Hz (1.5 ft^3 cabinet), 40 Hz (1.0 ft^3 cabinet)





CS-F10

10" Subwoofer Units

■ Power handling capacity of 300 watts (Max. music power) ■ Frequency response from 20 to 1,000 Hz ■ Laminated high-rigidity cone for dynamic bass sound ■ 4-layer heat-resistant voice coil ■ Large 35-oz magnet ■ Rolled foam urethane edge for higher linearity ■ For use in multi-speaker system ■ Lowest output frequency of 30 Hz (open-air installation), 45 Hz (2.0 ft^3 cabinet), 53 Hz (1.5 ft^3 cabinet)

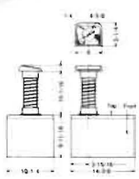
Subwoofer Systems

DIGIFINE

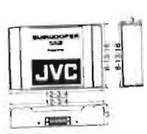
CS-F800

Hyper-Bass Subwoofer System

■ Power handling capacity of 150 watts + 150 watts (Max. music power) ■ Frequency response from 20 to 150 Hz ■ 8" H.H.C. (Hybrid Hi-Carbon) cone units ■ Twin-drive voice coil for extended bass response ■ Dual-input terminals for stereo inputs ■ Round-punched mesh grille with heat-proof resin frame ■ Rolled rubber edge for higher linearity ■ Heat-resistant voice coil windings ■ Large 27-oz strontium magnet Hyper-Bass system for ultra-low frequency reproduction



DIGIFINE



CS-F300

Twin-Load Subwoofer System

■ Power handling capacity of 50 watts + 50 watts (Max. music power) ■ Frequency response from 20 to 2,000 Hz ■ Twin-load cabinet with enclosed resonance box for ultra-low frequency reproduction ■ Aluminum honeycomb 5-15/16" square diaphragm ■ Twin-drive voice coil for extended bass response ■ Dual-input terminals for stereo inputs ■ Heat-resistant voice coil windings ■ Rolled rubber edge for higher linearity ■ High-energy 11.3-oz strontium magnet

CD System Specifications

Model	XL-MG600	XL-MK1200	XL-G4500	XL-G3500	XL-G2500	XL-G2000	KS-RX835
Category	Compact Disc Automatic Changer		CD Receiver	CD Receiver	Tuner CD	CD Receiver	CD Cassette Receiver
CD PLAYER SECTION							
Frequency response	5 – 20,000 Hz	5 – 20,000 Hz	5 – 20,000 Hz	5 – 20,000 Hz	5 – 20,000 Hz	5 – 20,000 Hz	5 – 20,000 Hz
Dynamic range	95 dB	90 dB	90 dB	95 dB	90 dB	90 dB	95 dB
Signal-to-noise ratio	98 dB	90 dB	90 dB	100 dB	95 dB	95 dB	100 dB
Total harmonic distortion	0.005%	0.005%	0.015%	0.005%	0.015%	0.015%	0.005%
Channel separation	More than 85 dB	More than 85 dB	More than 85 dB	More than 85 dB	More than 85 dB	More than 85 dB	More than 85 dB
Wow & flutter	Less than measurable limit	Less than measurable limit	Less than measurable limit	Less than measurable limit	Less than measurable limit	Less than measurable limit	Less than measurable limit
Output level	1.5 V	1.8 V	1.5 V	1.8 V	1.8 V	1.5 V	1.8 V
Output impedance	1 kΩ	1 kΩ	1 kΩ	1 kΩ	1 kΩ	1 kΩ	1 kΩ
TUNER SECTION							
Frequency range: FM			87.5 – 107.9 MHz	87.5 – 107.9 MHz	87.5 – 107.9 MHz	87.5 – 107.9 MHz	87.5 – 107.9 MHz
AM			530 – 1710 kHz	530 – 1710 kHz	530 – 1710 kHz	530 – 1710 kHz	530 – 1710 kHz
Frequency response			40 – 15,000 Hz	40 – 15,000 Hz	40 – 15,000 Hz	40 – 15,000 Hz	40 – 15,000 Hz
FM TUNER							
Usable sensitivity			12.1 dBf (1.1 μV/75Ω)	12.1 dBf (1.1 μV/75Ω)	15.3 dBf (1.6 μV/75Ω)	15.3 dBf (1.6 μV/75Ω)	12.1 dBf (1.1 μV/75Ω)
50 dB quieting sensitivity			16.3 dBf (1.8 μV/75Ω)	16.3 dBf (1.8 μV/75Ω)	18.5 dBf (2.3 μV/75Ω)	18.5 dBf (2.3 μV/75Ω)	16.3 dBf (1.8 μV/75Ω)
Stereo separation			35 dB	35 dB	35 dB	35 dB	35 dB
Capture ratio			1.5 dB	1.5 dB	1.5 dB	1.5 dB	1.5 dB
AM TUNER							
Sensitivity			20 μV	20 μV	20 μV	20 μV	20 μV
Selectivity			35 dB	35 dB	35 dB	35 dB	35 dB
CASSETTE DECK SECTION							
Head							Play x 1 (Metaperm)
Wow & flutter (WRMS)							0.09%
Frequency response (NR off)							
Metal							40 – 20,000 Hz
Normal							40 – 18,000 Hz
Signal-to-noise ratio (Normal)							
Dolby B NR on							60 dB
Dolby NR off							52 dB
AMPLIFIER SECTION							
Maximum power output			4CH 22 watts per channel (Rear/Front)	4CH 22 watts per channel (Rear/Front)		22 watts per channel	4CH 22 watts per channel (Rear)/8 watts per channel (Front)
Continuous power output (RMS)			4CH 8 watts per channel into 4Ω, 40 to 20,000 Hz, at no more than 0.8% total harmonic distortion (Rear/Front)	4CH 8 watts per channel into 4Ω, 40 to 20,000 Hz, at no more than 0.8% total harmonic distortion (Rear/Front)		8 watts per channel into 4Ω, 40 to 20,000 Hz, at no more than 0.8% total harmonic distortion	4CH 8 watts per channel into 4Ω, 40 to 20,000 Hz, at no more than 0.8% total harmonic distortion (Rear); 3 watts per channel into 4Ω, 100 to 20,000 Hz, at no more than 0.8% total harmonic distortion (Front)
Frequency response			40 – 20,000 Hz	40 – 20,000 Hz		40 – 20,000 Hz	40 – 20,000 Hz
Load impedance			4Ω (4Ω – 8Ω Allowable)	4Ω (4Ω – 8Ω Allowable)	4Ω (4Ω – 8Ω Allowable)	4Ω (4Ω – 8Ω Allowable)	4Ω (4Ω – 8Ω Allowable)
SUBWOOFER							
Cutoff frequency							100 Hz
Output level control (80 Hz)							+12 dB
Crossover slope							12 dB/oct
DIMENSIONS (W x H x D)							
Installation size	12-5/16" x 3-3/8" x 7-13/16" (312 x 85 x 198 mm)	7-11/16" x 5-3/4" x 13-3/16" (195 x 145 x 334 mm)		* 7-3/16" x 2-1/16" x 6" (182 x 52 x 152 mm)	* 7-3/16" x 2-1/16" x 6" (182 x 52 x 152 mm)	* 7-1/16" x 2" x 6-1/8" (178 x 50 x 155 mm)	7-1/16" x 4-1/8" x 5-3/4" (178 x 100 x 145 mm)
Panel size				7-1/2" x 2-5/16" x 13/16" (190 x 58 x 20 mm)	7-1/2" x 2-5/16" x 13/16" (190 x 58 x 20 mm)	7-1/2" x 2-5/16" x 7/16" (190 x 58 x 10 mm)	
Hideaway unit			7-1/16" x 1" x 6-1/2" (178 x 25 x 165 mm)	7-1/16" x 1" x 6-1/2" (178 x 25 x 165 mm)			

Amplifier/Equalizer Specifications

Model	KS-AG404	KS-A204	KS-A154	KS-A202	KS-A152	KS-A102	KS-A51
AMPLIFIER SECTION							
Maximum power output	4 CH 100 watts per channel (Rear/Front); 3 CH 200 watts mono; 100 watts per channel; 2 CH 200 watts per channel	4 CH 100 watts per channel (Rear)/30 watts per channel (Front); 3 CH 200 watts mono; 30 watts per channel	4 CH 50 watts per channel (Rear)/25 watts per channel (Front)	100 watts per channel (Stereo); 200 watts (Mono)	75 watts per channel (Stereo); 150 watts (Mono)	50 watts per channel (Stereo); 100 watts (Mono)	25 watts per channel
Continuous power output (RMS)	4 CH 60 watts per channel into 4 Ω, 20 to 20,000 Hz at no more than 0.04% total harmonic distortion (Rear/Front)	*	**	60 watts per channel into 4 Ω, 40 to 30,000 Hz at no more than 0.04 % total harmonic distortion	45 watts per channel into 4 Ω, 40 to 30,000 Hz at no more than 0.04 % total harmonic distortion	30 watts per channel into 4 Ω, 40 to 20,000 Hz at no more than 0.08 % total harmonic distortion	12 watts per channel into 4 Ω, 40 to 20,000 Hz at no more than 0.8 % total harmonic distortion
Load impedance	4 Ω (4 Ω – 8 Ω Allowable)	4 Ω (4 Ω – 8 Ω Allowable)	4 Ω (4 Ω – 8 Ω Allowable)	4 Ω (4 Ω – 8 Ω Allowable)	4 Ω (4 Ω – 8 Ω Allowable)	4 Ω (4 Ω – 8 Ω Allowable)	4 Ω (4 Ω – 8 Ω Allowable)
Frequency response	20 – 40,000 Hz (±3 dB) Rear/Front	20 – 40,000 Hz (±3 dB) Rear; 20 – 30,000 Hz (±3 dB) Front	20 – 40,000 Hz (±3 dB) Rear; 20 – 30,000 Hz (±3 dB) Front	20 – 40,000 Hz (±3 dB)	20 – 40,000 Hz (±3 dB)	20 – 40,000 Hz (±3 dB)	20 – 30,000 Hz (±3 dB)
S/N ratio	90 dB (IHF A-network)	90 dB (IHF A-network)	90 dB (IHF A-network)	90 dB (IHF A-network)	90 dB (IHF A-network)	90 dB (IHF A-network)	90 dB (IHF A-network)
Input terminals							
Line-in	0.5 V 20 kΩ (0.1 V – 1 V variable)	0.3 V 20 kΩ (0.1 V – 1 V variable)	0.3 V 20 kΩ (0.1 V – 1 V variable)	0.3 V 20 kΩ (0.1 V – 1 V variable)	0.3 V 20 kΩ (0.1 V – 1 V variable)	0.3 V 20 kΩ (0.1 V – 1V variable)	0.3 V 20 kΩ (0.1 V – 1 V variable)
Booster-in							4 V 100 Ω
Distortion (at 1 kHz)	0.02 % (Rear/Front)	0.02 % (Rear)/0.1 % (Front)	0.04 % (Rear)/0.1 % (Front)	0.02 %	0.02 %	0.04 %	0.1 %
DIMENSIONS (W x H x D)							
Operating voltage	11-13/16" x 2-3/16" x 12-1/4" (300 x 57 x 310 mm)	10-13/16" x 2" x 8-3/4" (274 x 50 x 205 mm)	9" x 1-5/8" x 7" (228 x 40 x 175 mm)	10-13/16" x 2" x 7" (274 x 50 x 175 mm)	10-13/16" x 2" x 6-1/8" (274 x 50 x 155 mm)	9" x 1-5/8" x 5-3/4" (228 x 40 x 145 mm)	5-15/16" x 1-3/16" x 3-3/16" (150 x 30 x 80 mm)

* 4 CH 60 watts per channel into 4 Ω, 40 to 30,000 Hz, at no more than 0.04 % total harmonic distortion (Rear); 14 watts per channel into 4 Ω, 40 to 20,000 Hz, at no more than 0.5 % total harmonic distortion (Front)
** 4 CH 30 watts per channel into 4 Ω, 40 to 20,000 Hz, at no more than 0.08 % total harmonic distortion (Rear); 12 watts per channel into 4 Ω, 40 to 20,000 Hz, at no more than 0.5 % total harmonic distortion (Front)

Model	KS-ES100	KS-E75	KS-E35	KS-EA400	KS-EA200
EQUALIZER SECTION					
Equalization frequency	60, 125, 250, 500, 1k, 2k, 4k, 8k, 16k Hz	Rear: 60, 150, 400, 1k, 2.4k, 6k, 12k Hz; Front: 150, 400, 1k, 3.5k, 10k Hz	60, 150, 400, 1k, 2.4k, 6k, 12k Hz	60, 150, 400, 1k, 2.4k, 6k, 12k Hz	60, 150, 400, 1k, 2.4k, 6k, 12k Hz
Control range	±12 dB	±12 dB	±12 dB	±12 dB	±12 dB
AMPLIFIER SECTION					
Maximum power output				4 CH 25 watts per channel (Rear/Front)	25 watts per channel
Continuous power output				4 CH 12 watts per channel into 4 Ω, 40 to 20,000 Hz at no more than 0.8 % total harmonic distortion (Rear/Front)	12 watts per channel into 4 Ω, 40 to 20,000 Hz at no more than 0.8 % total harmonic distortion
Load impedance	More than 10 kΩ	More than 10 kΩ	More than 10 kΩ	4 Ω (4 Ω – 8 Ω Allowable)	4 Ω (4 Ω – 8 Ω Allowable)
Frequency response	15 – 30,000 Hz (±3 dB)	20 – 30,000 Hz (±3 dB)	20 – 30,000 Hz	20 – 30,000 Hz (+3 dB)	20 – 30,000 Hz (±3 dB)
S/N ratio	90 dB (IHF A-network)	90 dB (IHF A-network)	90 dB (IHF A-network)	90 dB (IHF A-network)	90 dB (IHF A-network)
Input terminals					
Line-in	0.5 V 20 kΩ	0.3 V 20 kΩ	0.3 V/20 kΩ	0.3 V 20 kΩ	0.3 V/20 kΩ
Distortion (at 1 kHz)	0.03%	0.03 %	0.03 %	0.1 %	0.1 %
DIMENSIONS (W x H x D)	7-1/16" x 2" x 6-1/8" (178 x 50 x 155 mm)	7-1/16" x 1" x 5-15/16" (178 x 25 x 150 mm)	7-1/16" x 1" x 5-15/16" (178 x 25 x 150 mm)	7-1/16" x 1" x 5-15/16" (178 x 25 x 150 mm)	7-1/16" x 1" x 5-15/16" (178 x 25 x 150 mm)

Electronic Crossover Network Specifications

Model	KS-N31				
Crossover frequency:	LOWER	UPPER	GAIN	Frequency response	20 – 30,000 Hz
LOW	20 – Hz	50 – 800 Hz	0 • 15 dB	S/N ratio	90 dB (IHF A-network)
MID	50 – 800 Hz	3,500 – 9,600 Hz	0 – 10 dB	Input terminals	
HIGH	3,500 – 9,600 Hz	30,000 Hz	0 – 10 dB	Line-in	0.3 V/20 kΩ
Crossover slope	12 dB/oct			Distortion (at 1 kHz)	0.03%
Load impedance	More than 10 kΩ			Dimensions (W x H x D)	7-1/16" x 1" x 15/16" (178 x 25 x 150 mm)

* Power requirements: Operating voltage: DC 14.4 V (11 V – 16 V Allowable)
Grounding system: Negative ground

Cassette Car Receivers Specifications

Model	KS-CG10	KS-RG8	KS-RG4	KS-RX750	KS-R650	KS-R555
AUDIO AMPLIFIER SECTION						
Maximum power output		4 CH 25 watts per channel (Rear)/8 watts per channel (Front)	4 CH 22 watts per channel (Rear)/8 watts per channel (Front)	4 CH 22 watts per channel (Rear)/8 watts per channel (Front)	4 CH 8 watts per channel (Rear)/8 watts per channel (Front)	8 watts per channel
Continuous power output (RMS)		4 CH 12 watts per channel into 4 Ω 40 to 20,000 Hz, at no more than 0.8 % total harmonic distortion (Rear) 3 watts per channel into 4 Ω 100 to 20,000 Hz, at no more than 0.8 % total harmonic distortion (Front)	4 CH 8 watts per channel into 4 Ω 40 to 20,000 Hz, at no more than 0.8 % total harmonic distortion (Rear) 3 watts per channel into 4 Ω 100 to 20,000 Hz, at no more than 0.8 % total harmonic distortion (Front)	4 CH 8 watts per channel into 4 Ω 40 to 20,000 Hz, at no more than 0.8 % total harmonic distortion (Rear) 3 watts per channel into 4 Ω 100 to 20,000 Hz, at no more than 0.8 % total harmonic distortion (Front)	4 CH 3 watts per channel into 4 Ω 100 to 20,000 Hz, at no more than 0.8 % total harmonic distortion (Rear) 3 watts per channel into 4 Ω 100 to 20,000 Hz, at no more than 0.8 % total harmonic distortion (Front)	3 watts per channel into 4 Ω 100 to 20,000 Hz, at no more than 0.8 % total harmonic distortion
Load impedance		4 Ω (4 Ω – 8 Ω Allowable)	4 Ω (4 Ω – 8 Ω Allowable)	4 Ω (4 Ω – 8 Ω Allowable)	4 Ω (4 Ω – 8 Ω Allowable)	4 Ω (4 Ω – 8 Ω Allowable)
Frequency response		40 – 20,000 Hz	40 – 20,000 Hz	40 – 20,000 Hz	40 – 20,000 Hz	40 – 20,000 Hz
TUNER SECTION						
Frequency range (FM)	87.5 – 107.9 MHz	87.5 – 107.9 MHz	87.5 – 107.9 MHz	87.5 – 107.9 MHz	87.5 – 107.9 MHz	87.5 – 107.9 MHz
(AM)	530 – 1710 kHz	530 – 1710 kHz	530 – 1710 kHz	530 – 1710 kHz	530 – 1710 kHz	530 – 1710 kHz
FM TUNER						
Usable sensitivity	12.1 dBf (1.1 μV/75 Ω)	12.1 dBf (1.1 μV/75 Ω)	12.1 dBf (1.1 μV/75 Ω)	15.3 dBf (1.6 μV/75 Ω)	15.3 dBf (1.6 μV/75 Ω)	17.2 dBf (2.0 μV/75 Ω)
50 dB quieting sensitivity	16.3 dBf (1.8 μV/75 Ω)	16.3 dBf (1.8 μV/75 Ω)	16.3 dBf (1.8 μV/75 Ω)	18.8 dBf (2.4 μV/75 Ω)	18.8 dBf (2.4 μV/75 Ω)	19.5 dBf (2.6 μV/75 Ω)
Stereo separation	35 dB	35 dB	35 dB	30 dB	30 dB	30 dB
Capture ratio	1.5 dB	1.5 dB	1.5 dB	1.5 dB	2.0 dB	2.0 dB
AM TUNER						
Sensitivity	20 μV	20 μV	20 μV	20 μV	20 μV	20 μV
Selectivity	35 dB	35 dB	35 dB	35 dB	35 dB	35 dB
CASSETTE DECK SECTION						
Head	Play x 1 (Sen Alloy)	Play x 1 (Metaperm)	Play x 1 (Metaperm)	Play x 1 (Metaperm)	Play x 1 (Metaperm)	Play x 1 (Metaperm)
Wow & flutter (WRMS)	0.09 %	0.09 %	0.1 %	0.11 %	0.11 %	0.13 %
Frequency response (NR-off) Metal	40 – 20,000 Hz (±3 dB)	40 – 20,000 Hz (±3 dB)	50 – 18,000 Hz (±3 dB)	–	–	–
Normal	40 – 18,000 Hz (±3 dB)	40 – 18,000 Hz (±3 dB)	50 – 16,000 Hz (±3 dB)	50 – 14,000 Hz (±3 dB)	50 – 14,000 Hz (±3 dB)	50 – 13,000 Hz (±3 dB)
S/N ratio (Normal tape)						
Dolby C NR on	68 dB	–	–	–	–	–
Dolby B NR on	60 dB	60 dB	60 dB	60 dB	60 dB	60 dB
Dolby NR off	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB
SUBWOOFER						
Cutoff frequency	100 Hz	100 Hz	–	–	–	–
Output level control (80 Hz)	+12 dB/+6 dB (Switchable)	+12 dB/+6 dB (Switchable)	–	–	–	–
Crossover slope	12 dB/oct	12 dB/oct	–	–	–	–
DIMENSIONS (W x H x D)						
Installation size	* 7-1/16" x 2" x 5-15/16" (178 x 50 x 149 mm)	* 7-1/16" x 2" x 6" (178 x 50 x 152 mm)	* 7-3/16" x 2-1/16" x 6-7/16" (182 x 52 x 162 mm)	* 7-3/16" x 2-1/16" x 6-7/16" (182 x 52 x 162 mm)	* 7-3/16" x 2-1/16" x 6-7/16" (182 x 52 x 162 mm)	* 7-1/16" x 2" x 5-5/8" (178 x 50 x 140 mm)
Panel size	7-1/2" x 2-5/16" x 11/16"* (181 x 58 x 15 mm)	7-1/2" x 2-5/16" x 5/8" * (189 x 58 x 15 mm)	7-1/2" x 2-5/16" x 9/16" (190 x 58 x 13 mm)	7-1/2" x 2-5/16" x 9/16" (190 x 58 x 13 mm)	7-1/2" x 2-5/16" x 9/16" (190 x 58 x 13 mm)	6-13/16" x 2" x 7/8" (172 x 50 x 21 mm)

* Detachable control panel dimensions (WxHxD): 6-11/16" x 1-13/16" x 11/16" (169 x 46 x 16 mm)

Model	KS-R500	KS-R400	KS-RX710	KS-RX175	KS-R155	KS-R135
AUDIO AMPLIFIER SECTION						
Maximum power output	8 watts per channel	8 watts per channel	25 watts per channel	4 CH 22 watts per channel (Rear)/8 watts per channel (Front)	8 watts per channel	8 watts per channel
Continuous power output (RMS)	3 watts per channel into 4 Ω 100 to 20,000 Hz, at no more than 0.8 % total harmonic distortion	3 watts per channel into 4 Ω 100 to 20,000 Hz, at no more than 0.8 % total harmonic distortion	12 watts per channel into 4 Ω 100 to 20,000 Hz, at no more than 0.8 % total harmonic distortion	4 CH 8 watts per channel into 4 Ω 40 to 20,000 Hz, at no more than 0.8 % total harmonic distortion (Rear) 3 watts per channel into 4 Ω 100 to 20,000 Hz, at no more than 0.8 % total harmonic distortion (Front)	3 watts per channel into 4 Ω 100 to 20,000 Hz, at no more than 0.8 % total harmonic distortion	3 watts per channel into 4 Ω 100 to 20,000 Hz, at no more than 0.8 % total harmonic distortion
Load impedance	4 Ω (4 Ω – 8 Ω Allowable)	4 Ω (4 Ω – 8 Ω Allowable)	4 Ω (4 Ω – 8 Ω Allowable)	4 Ω (4 Ω – 8 Ω Allowable)	4 Ω (4 Ω – 8 Ω Allowable)	4 Ω (4 Ω – 8 Ω Allowable)
Frequency response	40 – 20,000 Hz	40 – 20,000 Hz	40 – 20,000 Hz	40 – 20,000 Hz	40 – 20,000 Hz	40 – 20,000 Hz
TUNER SECTION						
Frequency range (FM)	87.5 – 107.9 MHz	87.5 – 107.9 MHz	87.5 – 107.9 MHz	87.5 – 107.9 MHz	87.5 – 107.9 MHz	87.5 – 107.9 MHz
(AM)	530 – 1710 kHz	530 – 1710 kHz	530 – 1710 kHz	530 – 1710 kHz	530 – 1710 kHz	530 – 1710 kHz
FM TUNER						
Usable sensitivity	17.2 dBf (2.0 μV/75 Ω)	17.2 dBf (2.0 μV/75 Ω)	16.3 dBf (1.8 μV/75 Ω)	16.3 dBf (1.8 μV/75 Ω)	17.2 dBf (2.0 μV/75 Ω)	17.2 dBf (2.0 μV/75 Ω)
50 dB quieting sensitivity	19.5 dBf (2.6 μV/75 Ω)	19.5 dBf (2.6 μV/75 Ω)	18.8 dBf (2.4 μV/75 Ω)	18.8 dBf (2.4 μV/75 Ω)	19.5 dBf (2.6 μV/75 Ω)	19.5 dBf (2.6 μV/75 Ω)
Stereo separation	30 dB	30 dB	35 dB	35 dB	30 dB	30 dB
Capture ratio	2.0 dB	2.0 dB	1.5 dB	1.5 dB	2.0 dB	2.0 dB
AM TUNER						
Sensitivity	20 μV	20 μV	20 μV	20 μV	20 μV	20 μV
Selectivity	35 dB	35 dB	35 dB	35 dB	35 dB	35 dB
CASSETTE DECK SECTION						
Head	Play x 1 (Metaperm)	Play x 1 (Metaperm)	Play x 1 (Metaperm)	Play x 1 (Metaperm)	Play x 1 (Metaperm)	Play x 1 (Metaperm)
Wow & flutter (WRMS)	0.13 %	0.13 %	0.15 %	0.13 %	0.13 %	0.13 %
Frequency response (NR-off) Metal	–	–	40 – 15,000 Hz (±3 dB)	50 – 16,000 Hz (±3 dB)	–	–
Normal	50 – 13,000 Hz (±3 dB)	50 – 13,000 Hz (±3 dB)	40 – 13,000 Hz (±3 dB)	50 – 14,000 Hz (±3 dB)	50 – 13,000 Hz (±3 dB)	50 – 13,000 Hz (±3 dB)
S/N ratio (Normal tape)						
Dolby C NR on	–	–	–	–	–	–
Dolby B NR on	–	–	60 dB	60 dB	60 dB	–
Dolby NR off	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB
DIMENSIONS (W x H x D)						
Installation size	* 7-3/16" x 2-1/16" x 6" (182 x 52 x 152 mm)	* 7-1/16" x 2" x 5-5/8" (178 x 50 x 140 mm)	* 7-7/8" x 3-1/16" x 5-1/8" (200 x 76.5 x 129 mm)	* 7-1/16" x 2" x 5-1/8" (178 x 50 x 130 mm)	* 7-1/16" x 2" x 5-1/8" (178 x 50 x 130 mm)	* 7-1/16" x 2" x 5-1/8" (178 x 50 x 130 mm)
Panel size	7-1/2" x 2-5/16" x 7/8" (190 x 58 x 21 mm)	6-13/16" x 2" x 7/8" (172 x 50 x 21 mm)	–	4-3/16" x 1-11/16" x 1-7/16" (105 x 42 x 35 mm) 5-1/8" x 5-9/16" x 5-7/8" (130 x 140 x 148 mm)	4-3/16" x 1-11/16" x 1-7/16" (105 x 42 x 35 mm) 5-1/8" x 5-9/16" x 5-7/8" (130 x 140 x 148 mm)	4-3/16" x 1-11/16" x 1-7/16" (105 x 42 x 35 mm) 5-1/8" x 5-9/16" x 5-7/8" (130 x 140 x 148 mm)
Control shaft pitch	–	–	–	–	–	–

KS-DP100 Specifications

SIGNAL PROCESSOR SECTION

Quantization rate	16-bit linear
Sampling frequency	44.1 kHz
Acoustic effect	HALL, LIVE Club, CHURCH, STADIUM
Focus point	Driver's seat, Front passenger's seat, OFF selectable
Control parameter	Delay time for Acoustic Effects, Delay time for Focus, Acoustic effect level (Surround Level), Rolloff frequency for reflections
D.P. Bass	
Cutoff frequency	100 Hz
Level	0 – +10 dB

AMPLIFIER SECTION

Line Input	
Level	1.5 V (CD, DAT full scale), 500 mV (TAPE, TUNER)
Impedance	20 kΩ
Line output	
Level	1.5 V (CD, DAT full scale), 500 mV (TAPE, TUNER)
Impedance	1 kΩ
Frequency response	10 – 20,000 Hz
S/N ratio	85 dB (A-weighted)
Total harmonic distortion	0.02% (1 kHz, A-weighted)

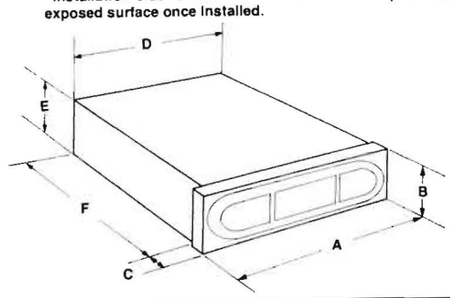
SUBWOOFER SECTION

Output level	5 V (CD, DAT full scale), 1.7 V
Impedance	1 kΩ
Cutoff frequency	80/120 Hz selectable

DIMENSIONS (W x H x D)

Hideaway unit	6-13/16" x 2" x 4-15/16" (173 x 50 x 124 mm)
Controller	6-13/16" x 1-15/16" x 1-13/16" (172 x 48 x 30 mm)

* Note: Dimensions with an asterisk (*) refer to this diagram.
"Installation Size" shows the dimensions of the space needed for installation. "Panel Size" shows the exposed surface once installed.



Installation size = D x E x F
Panel size = A x B x C

Speakers Specifications

Model	CS-T01	CS-M04	CS-M05	CS-F10	CS-F08	CS-F800	CS-F300	CS-XG6938	CS-XG638
Type	Tweeter	Midrange	Midrange	Subwoofer	Subwoofer	Subwoofer	Subwoofer	3-way coaxial	3-way coaxial
Woofer				10" laminated cone	8" laminated cone	8" H.H.C. cone	6" flat square	6 x9" HHC/PRO cone	6-1/2" HHC/PRO cone
Midrange		4" Hi-carbon cone	5-1/4" Hi-carbon olefin cone	—	—	—	—	1" soft dome	1" soft dome
Tweeter	1" PDC titanium dome	—	—	—	—	—	—	1" polyether-imide cone	1" titanium cone
Mounting	Door/Rear Dash	Door/Rear	Door/Rear	Rear	Rear	Trunk/Rear deck	Under seat/Rear deck	Rear	Rear
Frequency response	2,000 – 30,000 Hz	45 – 7,000 Hz	45 – 7,000 Hz	20 – 1,000 Hz	30 – 2,000 Hz	20 – 150 Hz	20 – 2,000 Hz	25 – 30,000 Hz	30 – 30,000 Hz
Power handling capacity (Max. music power)	200 W	150 W	150 W	300 W	200 W	150 W x 2	50 W x 2	150 W	100 W
Impedance	4 Ω	4 Ω	4 Ω	4 Ω	4 Ω	4 Ω x 2	4 Ω x 2	4Ω	4Ω
Sound pressure level	93 dB	88 dB	88 dB	89 dB	89 dB	87 dB	86 dB	90 dB	89 dB
Crossover frequency				—	—	—	—	4 kHz, 10 kHz	4 kHz, 10 kHz
Weight	0.76 lbs (0.34 kg)	1.4 lbs (0.6 kg)	1.6 lbs (0.72 kg)	8.2 lbs (3.7 kg)	5.3 lbs (2.4 kg)	16.4 lbs (7.4 kg)	7.3 lbs (3.3 kg)	4.2 lbs (1.9 kg)	2.5 lbs (1.1 kg)
Magnet weight	3.6 oz	6 oz	8.1 oz	35 oz	26 oz	27 oz	11.3 oz	20 oz	10 oz
Mounting depth	1-1/4"	1-3/4"	2-1/4"	4-5/16"	3-3/8"	14-3/8" x 10-11/16" x 9-11/16" (W x H x D)	12-3/4" x 3" x 8-13/16" (W x H x D)	3-1/8"	2-7/8"

Model	CS-X6936	CS-X6926	CS-X626	CS-X616	CS-X426	CS-X416	CS-6937	CS-6927	CS-6917
Type	3-way coaxial	2-way coaxial	2-way coaxial	Dual cone	2-way coaxial	Dual cone	3-way coaxial	2-way coaxial	Dual cone
Woofer	6 x9" H.H.C. cone	6 x9" H.H.C. cone	6-1/2" H.H.C. cone	6-1/2" H.H.C. cone	4" H.H.C. cone	4" H.H.C. cone	6 x9" PEC cone	6 x9" PEC cone	6" x 9" PEC cone
Midrange	2-5/8" cone						2-5/8" cone	—	—
Tweeter	Flat square	2-5/8" cone	1" polyether-imide cone	—	1" polyether-imide cone	—	5/8" dome	2-5/8" cone	—
Mounting	Rear	Rear	Door/Rear	Door/Rear	Door	Door	Rear	Rear	Rear
Frequency response	30 – 20,000 Hz	30 – 20,000 Hz	40 – 20,000 Hz	40 – 20,000 Hz	50 – 20,000 Hz	50 – 20,000 Hz	30 – 27,000 Hz	30 – 24,000 Hz	30 – 15,000 Hz
Power handling capacity (Max. music power)	135 W	100 W	100 W	75 W	45 W	45 W	120 W	100 W	75 W
Impedance	4 Ω	4 Ω	4 Ω	4 Ω	4 Ω	4 Ω	4Ω	4Ω	4 Ω
Sound pressure level	92 dB	92 dB	91 dB	91 dB	88 dB	88 dB	93 dB	92 dB	92 dB
Crossover frequency	4 kHz, 8 kHz	4 kHz	5 kHz	—	5 kHz	—	4 kHz, 8 kHz	4 kHz	—
Weight	4.2 lbs (1.9 kg)	3.1 lbs (1.4 kg)	2.2 lbs (0.98 kg)	1.5 lbs (0.68 kg)	1.2 lbs (0.53 kg)	1.1 lbs (0.47 kg)	3.1 lbs (1.4 kg)	2.2 lbs (0.97 kg)	1.9 lbs (0.82 kg)
Magnet weight	13.4 oz	8 oz	8.7 oz	6.4 oz	4.9 oz	4.9 oz	11.7 oz	6.4 oz	6.4 oz
Mounting depth	2-15/16"	2-11/16"	1-13/16"	1-13/16"	1-11/16"	1-11/16"	2-13/16"	2-9/16"	2-9/16"

Model	CS-627	CS-617	CS-526	CS-516	CS-427	CS-417	CS-4625	CS-4624	CS-5724
Type	2-way coaxial	Dual cone	2-way coaxial	Dual cone	2-way coaxial	Dual cone	2-way coaxial	2-way coaxial	2-way coaxial
Woofer	6-1/2" PEC cone	6-1/2" PEC cone	5-1/4" PEC cone	5-1/4" PEC cone	4" PEC cone	4" PEC cone	4 x6" cone	4 x6" cone	5 x7" ceramic olefin cone
Midrange							—	—	—
Tweeter	2" cone		1-9/16" cone	—	1-9/16" cone	—	1-9/16" cone	1-9/16" cone	2" cone
Mounting	Door/Rear	Door/Rear	Door/Rear	Door/Rear	Door/Rear	Door/Rear	Door/Rear	In-dash	Rear
Frequency response	40 – 20,000 Hz	40 – 19,000 Hz	50 – 20,000 Hz	50 – 20,000 Hz	50 – 20,000 Hz	50 – 20,000 Hz	50 – 20,000 Hz	50 – 20,000 Hz	40 – 20,000 Hz
Power handling capacity (Max. music power)	100 W	60 W	60 W	60 W	45 W	45 W	45 W	45 W	60 W
Impedance	4 Ω	4 Ω	4Ω	4Ω	4 Ω	4 Ω	4 Ω	4 Ω	4 Ω
Sound pressure level	90 dB	90 dB	90 dB	90 dB	86 dB	87 dB	89 dB	89 dB	91 dB
Crossover frequency	5 kHz		5 kHz	—	5 kHz	—	5 kHz	5 kHz	5 kHz
Weight	2.0 lbs (0.87 kg)	1.5 lbs (0.64 kg)	0.95 lbs (0.43 kg)	0.89 lbs (0.4 kg)	0.95 lbs (0.43 kg)	0.89 lbs (0.40 kg)	1.3 lbs (0.55 kg)	1.1 lbs (0.48 kg)	2.14 lbs (0.97 kg)
Magnet weight	8 oz	5.4 oz	5.4 oz	5.4 oz	4.5 oz	4.5 oz	5.4 oz	5.4 oz	10 oz
Mounting depth or dimensions	1-13/16"	1-3/4"	1-11/16"	1-11/16"	1-3/4"	1-3/4"	1-3/4"	1-13/16"	2-17/32"

Model	CS-4124	CS-304	CS-103	CS-BG7	CS-B1	CS-B009	CS-B007	CS-MR626	CS-MR616
Type	2-way coaxial	Dual cone	2-way speaker system	3-way bassreflex	2-way bassreflex	4-way bassreflex	3-way bassreflex	2-way coaxial	Dual cone
Woofer	4 x10" cone	5-1/2" cone	4" acrylic-resin coated hi-carbon cone	4" cone	4-1/2" cone	4-1/2" cone	4" cone	6-1/2" H.H.C. cone	6-1/2" H.H.C. cone
Midrange				2" cone		2" cone	2-1/4" cone	—	—
Tweeter	2" cone		1-3/16" high-polymer film cone	3/4" dome	3/4" dome	3/4" dome	Horn	1" polyether-imide cone	—
Super-tweeter	—	—	—	—	—	Horn	—	—	—
Mounting	Rear	In-dash	Door/Rear	Rear	Rear	Rear	Rear	Marine	Marine
Frequency response	40 – 20,000 Hz	80 – 15,000 Hz	40 – 25,000 Hz	45 – 30,000 Hz	60 – 20,000 Hz	40 – 20,000 Hz	50 – 20,000 Hz	40 – 20,000 Hz	40 – 20,000 Hz
Power handling capacity (Max. music power)	60 W	30 W	60 W	100 W	70 W	100 W	70 W	100 W	75 W
Impedance	4 Ω	4 Ω	4 Ω	4Ω	4Ω	4 Ω	4 Ω	4Ω	4Ω
Sound pressure level	90 dB	87 dB	88 dB	90 dB	90 dB	91 dB	90 dB	91 dB	91 dB
Crossover frequency	5 kHz		5 kHz	4 kHz, 10 kHz	8 kHz	3 kHz, 8 kHz, 10 kHz	4 kHz, 10 kHz	5 kHz	—
Weight	2.3 lbs (1.04 kg)	0.62 lbs (0.28 kg)	1.9 lbs (0.85 kg)	3.4 lbs (1.5 kg)	2.5 lbs (1.1 kg)	3.6 lbs (1.6 kg)	2.9 lbs (1.3 kg)	2.2 lbs (0.98 kg)	1.5 lbs (0.68 kg)
Magnet weight	8.6 oz	3.3 oz	6.5 oz	5.4 oz	5.4 oz	8 oz	5.4 oz	8.7 oz	6.4 oz
Mounting depth or dimensions	3"	1-9/16"	3"	13-7/16" x 4-5/8" x 7-1/8" (WxHxD)	10-11/16" x 4-13/16" x 6" (WxHxD)	13-7/16" x 5" x 7-1/4" (W x H x D)	12-1/4" x 4-5/16" x 7-1/8" (W x H x D)	1-13/16"	1-13/16"

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JVC COMPANY OF AMERICA
DIVISION OF US JVC CORP.
41 Slater Drive, Elmwood Park, N.J. 07407

Printed in Japan
RCN-1020R