We Bring the Music to You
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 ASPIG Coupe was designed by Giorgetto Giugiaro 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.
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

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 non-linear 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 Envelopeless) 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.

Over sampling 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 quadripulse digital oversampling. The effect of digital oversampling is to move the unwanted noise into the inaudible high-frequency range. JVC utilizes quadripulse 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 unwavering 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-damped, 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 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 makes either the one magazine XL-MG600 or the two magazine XL-MKI200 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 ultimate 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 far more than one playing.

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.

**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.

**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.

*Factory-installed FM Receiver*

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. An optional 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 re-installation 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" decks can be loaded in the same magazine.

**XC-M75**

6-Disc Magazine for 3" (or) CDs (Included)

**XC-M73**

6-Disc Magazine for 3" (or) 5" CDs (Included)
6-01sc Magazine for 5" CDs

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

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

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 (WxHxD): Controller 2-3/16" x 3-3/16" x 1-11/16" (55 x 80 x 16 mm) Hideaway unit 6-13/16" 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 (WxHxD): 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)
XL-G4500 Mobile CD Receiver

CD Player Section
- JVC PEM 00 1-bit DA converter
- 6-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
- Preset scan, Station scan, Seek

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

Tuner Section
- HS Tuner with 24-station preset memory (18 FM + 6 AM)
- Preset scan, Station scan, Seek

General
- Detachable Control Panel
- 2-color illumination (amber/green)
- Digital clock
- Power antenna lead
- Detachable Control Panel
- Front-selectable 2-color illumination (amber/green)
- Digital clock
- Power antenna lead

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
- 15-key direct access play
- Random play, Track skip, Track search, Track repeat, Endless play, Intro scan

Amplifier Section
- 4-channel amplifier (22 watts x 4, max.)
- Electronic control for volume, balance, bass, treble and fader controls

Tuner Section
- PLL synthesizer tuner with 20-station preset memory

General
- Stereo/Mono button
- DX/Local button
- Volume attenuator

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

Amplifier Section
- 4-channel amplifier (22 watts x 4, max.)
- Electronic control for volume, balance, bass, treble and fader controls

Tuner Section
- PLL synthesizer tuner with 24-station preset memory

General
- Stereo/Mono button
- DX/Local button
- Volume attenuator
- Detachable Control Panel
- Front-selectable 2-color illumination (amber/green)
- Digital clock
- Power antenna lead

XL-G1500 Mobile Tuner CD

CD Player Section
- JVC PEM 00 1-bit DA converter
- 6-times 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

Amplifier Section
- 4-channel amplifier (22 watts x 4, max.)
- Electronic control for volume, balance, bass, treble and fader controls

Tuner Section
- PLL synthesizer tuner with 24-station preset memory

General
- Stereo/Mono button
- DX/Local button
- Volume attenuator
- Detachable Control Panel
- Front-selectable 2-color illumination (amber/green)
- Digital clock
- Power antenna lead

KS-ATU40 [included]
- Amplifier/Tuner Unit for XL-G3500
- Optional hide-away unit as the XL-G3500 can be used in more than one vehicle; to be used together with optional BBS sleeve KS-B40K.

KS-A2 [optional]
- Amplifier Unit for XL-G2500
- An optional hide-away amplifier unit exclusively designed for use with the XL-G2500.
- 22W x 2 MAX.
**XL-G2000 Mobile CD Receiver**

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

- **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 (+/-) key
  - Random play, Track skip, Track search, Track repeat, Endless play, Intro scan

- **Amplifier Section**
  - High power output of 22 watts per channel
  - Fader control
  - Bass and treble controls
  - Line out terminals
  - Power antenna lead

**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

- **Amplifier Section**
  - 4-channel amplifier (22W + 8W) x 2 max
  - Subwoofer control
  - Loudness switch

- **Cassette Deck Section**
  - U-Turn auto reverse full logic mechanism

**General**

- Dolby B NR
- Multi music scan
- Blank skip
- Fader control
- Automatic radio play
- Auto tape selector for metal/CrO2 tapes
- Subwoofer Out terminals
- Key-off release
- Key-on play mechanism
- Digital clock
- Front AUX-IN jack
- Line out terminals

**XC-20/XC-10 Mobile 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.

**Theft-Prevention System**

A BBS system-equipped unit slides out of the dash so you can take it with you when you park in a high-risk area. The new type BBS sleeve (KS-B60K/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.
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**

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)**

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.

**Operation of AFNS**

- **Signal gain:**
  - A: Automatic
  - B: Booster
  - C: Current

**4-Channel Amplifier With Subwoofer Capability**

Top models offer a powerful 4-channel amplifier capable of pumping out up to 25 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 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 drive frequently

### Superior Operating Freedom

**CD Changer Control Functions**

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 extended use, the SA heads also provide enhanced resistance to wear for a longer operating life.

**Dolby B/C Noise Reduction**

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**

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.

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and the KS-RG8 and KS-RG4 CD Changer Control Cassette Receivers, also feature the advanced styling of Italian car designer Giorgello 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.

Detachable Control Panel
Like the XL-G4500 CD Receiver, the KS-CD10 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 thieves. The removed panel then fits easily and conveniently into a pocket or purse.

BBS Theft Prevention System
The new BBS system 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.
**Panel Type Cassette Receivers**

**KS-CG10**

**CD Changer Control Tuner Deck**

- Wireless remote control provided
- CD changer for the XL-MG600 / MK1200
- 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
- Control Section

**Remote Control Unit (Supplied)**

Compact handy remote control exclusively for KS-CG10, including disc selection, manual seek and programming for CD changer, band selection for tuner, track skip for tape deck, control mode selection, volume control (100 dB), and illumination color selection (amber/green)

**General**

- Detachable Control Panel
- Front-selectable 2-color illumination (amber/green)
- Digital clock
- Subwoofer Out terminals with level selector
- Auto tape selector for metal Cr02 tape
- Power antenna lead

**Detachable Control Panel — Another Security System —**

The new Giugiaro-styled 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:**

1. CD Receiver Tuner CD: XL-GA400
2. Cassette Receiver: KS-CG10 / RG8

**Detachable Control Panel**

(Automatic FM noise suppressor) • DX Local button

**KS-RG8**

**CD Changer Control Cassette Receiver**

- 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
- Electronic control for Volume, Balance, Bass, Treble, Fader and Subwoofer
- Volume attenuator
- Loudness switch
- Control Section

**Detachable Control Panel**

Compact handy remote control exclusively for KS-CG10, including disc selection, manual seek and programming for CD changer, band selection for tuner, track skip for tape deck, control mode selection, volume control (100 dB), and illumination color selection (amber/green)
KS-RG4
CD Changer Control
- CD Control Section
  - CD Changer Control for XL-MG600/ML1200
  - 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
  - Front selectable 2-color illumination (amber/green)
  - Line out terminals
  - Power antenna lead
  - New B.B.S. theft prevention system with safety lock

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

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
  - Music scan

- Amplifier Section
  - 4-channel amplifier: 8W 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
KS-R500
Mobile Cassette Receiver

- PLL synthesizer tuner with 20-station preset memory (15 FM + 5 AM)
- Station scan, Seek up/down
- AFNS (Automatic FM noise suppression)
- Stereo/Mono button
- 8W + 8W MAX.

Cassette Deck Section
- U-Turn auto reverse mechanism
- Power output of 8 watts per channel
- Separate bass and treble controls
- Fader control
- Automatic loudness

KS-R555
Mobile Cassette Receiver

- PLL synthesizer tuner with 20-station preset memory (15 FM + 5 AM)
- Station scan, Seek up/down
- AFNS (Automatic FM noise suppression)
- Stereo/Mono button
- 8W + 8W MAX.

Cassette Deck Section
- U-Turn auto reverse mechanism
- Power output of 8 watts per channel
- Separate bass and treble controls
- Fader control
- Automatic loudness

KS-R400
Mobile Cassette Receiver

- PLL synthesizer tuner with 20-station preset memory (15 FM + 5 AM)
- Station scan, Seek up/down
- AFNS (Automatic FM noise suppression)
- Stereo/Mono button
- 8W + 8W MAX.

Cassette Deck Section
- U-Turn auto reverse mechanism
- Power output of 8 watts per channel
- Separate bass and treble controls
- Fader control
- Automatic loudness
- Digital clock

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

KS-RX710
Mobile Cassette Receiver

- PLL synthesizer tuner with 20-station preset memory (15 FM + 5 AM)
- Station scan tuning
- TNCS (Tuner noise control circuit) and AFNS (Automatic FM noise suppression)
- Stereo/Mono button
- DX/Local button
- 25W + 25W MAX.

Cassette Deck Section
- U-Turn auto reverse mechanism
- Dolby B noise reduction
- Music scan
- Power output of 25 watts per channel
- Power fader control
- Metal tape compatible

Amplifier Section
- Power antenna lead
- CD ready with CD input terminals
- Digital frequency/clock display
- Line in/out terminals
- Key-off release/kev-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

- 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
- Music scan
- Metal tape compatible

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

8W + 8W MAX.

KS-R155
Mobile Cassette Receiver

- 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
- 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

- 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
- Dolby B
- Music scan

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

- Dolby noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation. "DOLBY" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

Options for Added Convenience/Performance and Security

- KS-U2K 12V Power Supply
- KS-U2K 12V Power Supply
- KS-U1K Power Tap
- KS-U1K Power Tap
- KS-04K Tape Connector
- KS-04K Tape Connector
- KS-C5K 12V Power Supply
- KS-C5K 12V Power Supply
- KS-04K Tape Connector
- KS-04K Tape Connector
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
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)
Digital LIVE EFFEX
The restricted space of a car naturally constrains 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
Digital Acoustics Processor
- Digital signal processing with 16-bit linear quantization
- 4 preset acoustic effect patterns
- Digital LIVE EFFEX
- Concert Hall, Live House, Church, Stadium
- Delay time control
- Subwoofer Out terminals
with Phase select switch

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

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 high-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

**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: 200 W x 4. 3-channel mode: (200 W x 1) + (100 W x 2)]
- RMS power: 60 W 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 (IHFA 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

**KS-A204**
- **Bridgeable 4-Channel Power Amplifier**
- Maximum power output of 260 watts (100 W x 2, 30 W x 2) * RMS power (Rear): 50 watts per channel, at no more than 0.04% THD (4 ohms, 20 - 30,000 Hz) (Front): 14 watts per channel, at no more than 0.5% THD (4 ohms, 20 - 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

**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 0.8% 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

**KS-A202**
- Bridgeable Stereo Power Amplifier
- Maximum power output: 100 W x 2 (stereo), 200 W (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: 0.02% at 1 kHz

**KS-A102**
- Bridgeable Stereo Power Amplifier
- Maximum power output: 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: 0.04% at 1 kHz

**KS-A51**
- Stereo Power Amplifier
- Maximum power output: 25 W x 2 (stereo)
- RMS power: 12 watts per channel, at no more than 0.08% THD (4 ohms, 40 - 20,000 Hz)
- Remote relay turn-on system
- Total harmonic distortion: 0.1% at 1 kHz

### S.E.A. Graphic Equalizers

**KS-A152**
- Bridgeable Stereo Power Amplifier
- Maximum power output: 100 W x 2 (stereo), 200 W (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: 0.02% at 1 kHz

**KS-A102**
- Bridgeable Stereo Power Amplifier
- Maximum power output: 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: 0.04% at 1 kHz

**KS-A51**
- Stereo Power Amplifier
- Maximum power output: 25 W x 2 (stereo)
- RMS power: 12 watts per channel, at no more than 0.08% THD (4 ohms, 40 - 20,000 Hz)
- Remote relay turn-on system
- Total harmonic distortion: 0.1% at 1 kHz

### S.E.A. Graphic Equalizer/Amplifiers

**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, Classical)
- 5 user-programmable equalization patterns
- 2 key-on 'Welcome' modes ('Count Down', 'UFO')
- 10-pattern Spectrum Analyzer display

**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

**KS-EA400**
- S.E.A. Graphic Equalizer/4 CH Amplifier
- 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 indicators
- Fader control
- Easy-to-see amber illumination

**KS-EA200**
- S.E.A. Graphic Equalizer/2 CH Amplifier
- 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
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 PEl (PolyEther-lmide) "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

HMC (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 (PolyEther 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 Olein 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

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
- PEl "balanced drive" tweeter for improved propagation speed

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 15-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 30 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-X426
4" Two-Way Speakers
- Power handling capacity of 45 watts (Max. music power)
- Flat frequency response from 30 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

Flush Mount Type Speakers

CS-X6937
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
- 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 30 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-516 5-1/4" 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-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-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-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 60 to 15,000 Hz • Water-resistant speaker units • Designed for in-dash mounting in GM, Ford, Chrysler and Japanese cars

CS-103 Wooden Baffleboard Two-Way Speakers
- Power handling capacity of 65 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

Wooden Baffleboard Speakers

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-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-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

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-304 3-1/2" Dual-Cone Speakers
- Power handling capacity of 30 watts (Max. music power) • Flat frequency response from 60 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 65 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

**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 Gugiaro rounded design enclosure

**CS-B1**
Bassreflex Two-Way Speaker System
- Flat frequency response from 60 to 20,000 Hz
- Power handling capacity of 70 watts (Max music power)
- Rolled edge cone woofer
- Heat-resistant woofer voice coil
- 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” dome tweeter and horn super tweeter
- Triple duct design for richer, extended bass response
- 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, 3/4” dome tweeter 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
- Polyethylene-inside “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
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 constrained 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.

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.

Low and high ranges, and one for the high end (3,500 - 9,800 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 bobbin 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-M05, greatly increasing its lightness and rigidity. In the CS-M05, a special olefin compound improves its internal loss and propagation characteristics.

Laminated Subwoofer Enclosures

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

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 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

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 - For use in multi-speaker system

CS-M05
5-1/4" Midrange Units
- Power handling capacity of 150 watts (Max. music power) - Frequency response from 45 to 7,000 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 - 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 35-oz magnet - Rolled foam urethane edge for higher linearity - For use in multi-speaker system

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

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 5-10-16" 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

<table>
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<tr>
<th>Model</th>
<th>XL-MK100</th>
<th>XL-MK120</th>
<th>XL-G4500</th>
<th>XL-G3500</th>
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<tr>
<td>Company</td>
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<td>CD Receiver</td>
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<td>Tuner CD</td>
<td>CD Receiver</td>
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<td>CD Cassette Receptor</td>
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#### CABLE SECTION

- **Frequency response (Hz)**: 5 - 20,000 Hz
- **Output impedance**: 150 ohms
- **Signal-to-noise ratio**: 95 dB
- **Thermal noise**: 0.002% T.H.D.
- **Unbalanced**: 500,000 Hz
- **Balanced**: 500,000 Hz
- **Gain**: 50 dB
- **Signal-to-noise ratio**: 95 dB
- **Volume level**: Adjustable
- **Input level**: -15 dB
- **Power supply**: 12 VDC
- **Dimensions (W x H x D)**: 175 x 150 x 50 mm
- **Weight**: 1.5 kg

#### Cassette Deck Section

- **Type**: Tape
- **Signal-to-noise ratio**: 50 dB
- **Frequency response**: 40 Hz - 15,000 Hz
- **Volume level**: Adjustable
- **Power supply**: 12 VDC
- **Dimensions (W x H x D)**: 175 x 250 x 50 mm
- **Weight**: 1.2 kg

### Amplifier/Equalizer Specifications

#### Speaker System Specifications

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### Electronic Crossover Network Specifications

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*Power requirements: Operating voltage: DC 14.4V x 11 x 16V (Smart) | Grounding system: Negatively grounded*
<table>
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<th>Model</th>
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| KS-DR50       | Audio AMPLIFIER SECTION: Maximum power output (10W) 4 CH x 20 W per channel (20% DTH) 4 CH x 4 W per channel (100% DTH) Continuous power output (10W) 4 CH x 20 W per channel (20% DTH) 4 CH x 4 W per channel (100% DTH) Load impedance 4 CH x 4 W per channel (100% DTH) 4 CH x 4 W per channel (100% DTH) 4 CH x 4 W per channel (100% DTH) Frequency response (10W) 4 CH x 4 W per channel (100% DTH) 4 CH x 4 W per channel (100% DTH) 4 CH x 4 W per channel (100% DTH) TUNER SECTION: AM Frequency range (10W) 4 CH x 4 W per channel (100% DTH) 4 CH x 4 W per channel (100% DTH) 4 CH x 4 W per channel (100% DTH) FM TUNER: Usable sensitivity 10 mV (100 kHz) at 0 dBm 10 mV (100 kHz) at 0 dBm 10 mV (100 kHz) at 0 dBm Dynamic range 70 dB 70 dB 70 dB Signal-to-noise ratio 60 dB 60 dB 60 dB Cutoff frequency 450 Hz 450 Hz 450 Hz Crosstalk (200 Hz, 1 kHz, 10 kHz) 45 dB 45 dB 45 dB Crossover frequency 120 dB/OC 120 dB/OC 120 dB/OC TUNER SECTION: AM: MW Frequency range (10W) 4 CH x 4 W per channel (100% DTH) 4 CH x 4 W per channel (100% DTH) 4 CH x 4 W per channel (100% DTH) SW R.F. A.M.: Sensitivity 10 mV (100 kHz) at 0 dBm 10 mV (100 kHz) at 0 dBm 10 mV (100 kHz) at 0 dBm Dynamic range 70 dB 70 dB 70 dB Signal-to-noise ratio 60 dB 60 dB 60 dB Cutoff frequency 450 Hz 450 Hz 450 Hz Crosstalk (200 Hz, 1 kHz, 10 kHz) 45 dB 45 dB 45 dB Crossover frequency 120 dB/OC 120 dB/OC 120 dB/OC TUNER SECTION: SW: R.F. A.M.: Sensitivity 10 mV (100 kHz) at 0 dBm 10 mV (100 kHz) at 0 dBm 10 mV (100 kHz) at 0 dBm Dynamic range 70 dB 70 dB 70 dB Signal-to-noise ratio 60 dB 60 dB 60 dB Cutoff frequency 450 Hz 450 Hz 450 Hz Crosstalk (200 Hz, 1 kHz, 10 kHz) 45 dB 45 dB 45 dB Crossover frequency 120 dB/OC 120 dB/OC 120 dB/OC Installation size: JS (199 x 44.7 x 131 mm) 199 x 44.7 x 131 mm 199 x 44.7 x 131 mm 199 x 44.7 x 131 mm Panel size: 114 x 159 x 156 mm 114 x 159 x 156 mm 114 x 159 x 156 mm 114 x 159 x 156 mm Control panel: 82 x 127 x 21 mm 82 x 127 x 21 mm 82 x 127 x 21 mm 82 x 127 x 21 mm Controls: Pitch 100° 100° 100° 100° D.O.P.: Curve 150° 150° 150° 150° Level 0 to 100° 0 to 100° 0 to 100° 0 to 100° Note: Dimensions with an asterisk (*) refer to this diagram. Installation Size is shown as an example for installation. Panel Size is shown as an example for installation. Panel Size is shown as an example for installation.
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JVC is proud to be a member of the following organizations:

- CASA
- VSA
- AV Manufacturers Association
- International Auto Stereo Challenge Association
- National Marine Manufacturers Association

We Bring the Music to You

Design and specifications subject to change without notice.