

# JVC<sup>®</sup>

## FS SERIES

*FS-8000*

*FS-SD9*

*FS-SD7*

*FS-SD5*



# Here are the upgraded lifestyle CD systems from JVC for 2000.

They combine futuristic, individualized styling, pure hi-fi sound and fingertip ease of use in handy dimensions.



## Technologies for FS-SD Series

Horizontal sliding, motor-driven CD door

The systems in the FS-SD Series are built around an artistic low-profile center unit with opaque illumination that gives a sense of class and maturity. The CD door slides open and closed smoothly at a touch of the remote button.

Cylinder-shaped enclosure (FS-SD9/FS-SD7)

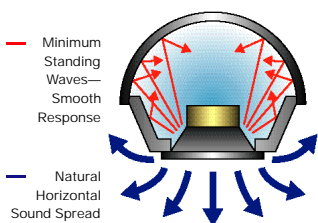
The FS-SD9 and FS-SD7 feature cylinder-shaped speaker enclosures. This design is stylish but offers benefits of its own, namely:

First, the circular interior reduces the generation of standing waves that would emphasize a particular frequency range. Therefore, you enjoy smooth frequency response and neutral sound with less coloration.

Second, the round exterior reduces the diffraction effect that occurs on the baffle board, resulting in smooth horizontal sound spread.

Moreover, the FS-SD9's speakers are finished in real European cherrywood veneer to emulate the natural resonance of acoustic instruments.

Advanced engineering for speakers



Benefits of Cylinder-Shaped Enclosure

The edgewise-wound 4-layer voice coil using ribbon wire is 20% more space-efficient than typical voice coils, so it can generate higher

driving power for more substantial bass. The butyl rubber edge extends bass response thanks to its excellent damping response and the capability to cut spurious sounds. The copper cap on the pole piece reduces harmonic distortion to provide clear mids and highs. With the FS-SD9 and FS-SD7, a heavy and rigid diecast aluminum frame provides the speaker unit with an unmoving support so lows are played back with power.

Newly formulated cone materials  
JVC places great importance even on cone materials because they must be meticulously chosen to ensure the highest sound quality.

The Hyper Aramid Fiber cone is rigid and lightweight with optimum internal loss. Damped split vibrations ensure clear, low-distortion sound reproduction.

This material is often used in finest pure audio speakers. (FS-SD9)

The Ceramic Hyper Olefin cone features an extremely hard additive called alumina, to combine high power, natural, flat response and pure clarity. (FS-SD7)

The Hyper Neo Olefin cone combines low distortion and low split vibrations for neutral sound. (FS-SD5)

Active Hyper-Bass PRO

The Active Hyper-Bass PRO Sound System features a Q (bandwidth)

control circuit instead of a cut-off frequency circuit. Dynamically controlling the range of the boost frequencies through feedback according to output level, it's capable of dynamic bass response and clear vocals, with no drop in the midrange response.

Active Hyper-Bass SUPER PRO

Active Hyper-Bass SUPER PRO actively controls the boost of low

## Technologies for FS-8000

frequencies to improve bass response and minimize distortion, while compensating for high frequencies.

Double-layer fluorescent display

The double-layer fluorescent display features a second layer behind the first that displays an analog clock. For convenience, the clock display remains lit in standby mode. It comes with the dimmer function and 20-minute backup.

3-mode volume gain control

At a touch of a GAIN selector key, the 3-mode control attenuates output so you can adjust volume in fine steps—convenient for midnight listening. Even at low listening levels, the control helps reduce noise and improve the sound quality.

Advanced engineering for speakers

The FS-8000's speaker features an ultra-compact track-type cone with a small aperture to enhance the sense of transient response. The cone's horizontal radiation pattern expands the width of a sound

field, while its vertical radiation pattern adds the sense of energy. The speaker system's enclosure is made of real European cherrywood to emulate the natural resonance of acoustic instruments.

7<sup>7</sup>/<sub>8</sub>-inch (20cm) Subwoofer

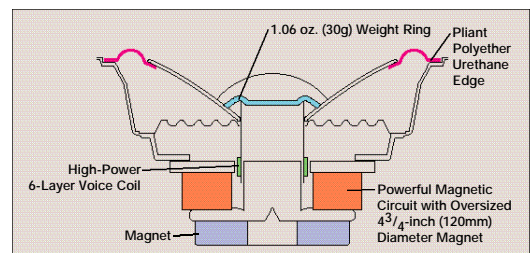
The powered subwoofer for the FS-8000 features a number of technologies to deliver real bass. The 1.06 oz. (30g) weight control and powerful magnetic circuit with oversized magnet ensure smooth, dynamic sound. The

6-layer voice coil combines high driving efficiency and transparency by filtering out unwanted high frequencies. Add to these technologies a pliant polyether urethane edge and high-density particleboard enclosure, and you enjoy clean, extended bass sound.

Moreover, the subwoofer has its own power amplifier. It's a switched power-type IC that features a dual power supply system with high and low voltages. When the sound level is low, only the low-voltage system is active, which means less heat and lower power consumption. And the R-core transformer in the power supply ensures high sound quality, even in compact dimensions.



Hyper Aramid Fiber Cone and Diecast Aluminum Frame





## FS-SD9

*FS Series Component System*

### **AHB PRO**

#### Amplifier/General

- Power output: 19 watts per channel
- Active Hyper-Bass PRO
- Electronic bass/treble controls
- MD/AUX input and output
- COMPU PLAY

- Subwoofer output
- LCD display with dimmer
- Remote control
- Clock/timer (Daily, Record, Sleep)
- CD illumination

#### Tuner

- Digital tuner
- 15 AM and 30 FM station memory
- Auto preset

#### CD Player

- Horizontal motor-driven sliding CD door
- 1-bit D/A converter
- Program (32 tracks)/random/repeat play
- 20-track program chart
- Optical digital output

#### Speaker System

- 3<sup>3</sup>/<sub>16</sub>" (8cm) full-range speaker
- Cherrywood cylinder-shaped enclosure
- Bass-reflex design
- Hyper Aramid Fiber Cone
- Detachable grilles
- Diecast aluminum frame
- Magnetically shielded



## FS-SD7

FS Series Component System

### AHB PRO

#### Amplifier/General

- Power output: 19 watts per channel
- Active Hyper-Bass PRO
- Electronic bass/treble controls
- MD/AUX input and output
- COMPU PLAY
- Subwoofer output
- LCD display with dimmer
- Remote control
- Clock/timer (Daily, Record, Sleep)
- CD illumination

#### Tuner

- Digital tuner
- 15 AM and 30 FM station memory
- Auto preset

#### CD Player

- Horizontal motor-driven sliding CD door
- 1-bit D/A converter
- Program (32 tracks)/random/repeat play
- 20-track program chart
- Optical digital output

#### Speaker System

- 3<sup>3</sup>/<sub>16</sub>" (8cm) full-range speaker
- Cylinder-shaped enclosure
- Diecast aluminum frame
- Bass-reflex design
- Ceramic Hyper Olefin Cone
- Detachable grilles
- Magnetically shielded



## FS-SD5

FS Series Component System

### AHB PRO

#### Amplifier/General

- Power output: 19 watts per channel
- Active Hyper-Bass PRO
- Electronic bass/treble controls
- MD/AUX input and output
- COMPU PLAY
- Subwoofer output
- LCD display with dimmer
- Remote control
- Clock/timer (Daily, Record, Sleep)
- CD illumination

#### Tuner

- Digital tuner
- 15 AM and 30 FM station memory
- Auto preset

#### CD Player

- Horizontal motor-driven sliding CD door
- 1-bit D/A converter
- Program (32 tracks)/random/repeat play
- 20-track program chart
- Optical digital output

#### Speaker System

- 3<sup>3</sup>/<sub>16</sub>" (8cm) full-range speaker
- Bass-reflex design
- Hyper Neo Olefin Cone
- Detachable grilles



## FS-8000

FS Series Component System

### AHB SUPER PRO

#### ■ Satellite Subwoofer System

##### Amplifier/General

- Power output: 13 watts per channel + 60 watts (10% THD)
- 3-mode gain control
- Champagne-gold aluminum panel
- Double-layer fluorescent display featuring analog clock with dimmer
- Active Hyper-Bass SUPER PRO
- Electronic bass/treble controls
- Motor-driven volume control
- LINE input/output
- AUX input
- Subwoofer output
- COMPU PLAY
- Full-function remote control
- Clock/timer with snooze function

##### Tuner

- Digital tuner
- 15 AM and 30 FM station memory
- Auto preset

##### CD Player

- 1-bit D/A converter
- Program (20 tracks)/random/repeat play
- Optical digital output

##### Speaker System

- Ultra-compact track-type cones
- Bass-reflex design: 2<sup>13</sup>/<sub>16</sub>" (7cm) x 1<sup>5</sup>/<sub>8</sub>" (4cm) full-range speakers
- Real European cherrywood enclosure
- Magnetically shielded

##### Powered Subwoofer

- 7<sup>7</sup>/<sub>8</sub>" (20cm) woofer with weight control
- 60 watts (10% THD)
- Auto power on/standby
- Volume gain control
- Phase button
- R-core transformer
- 6-layer voice coil
- Powerful 4<sup>3</sup>/<sub>4</sub>" (120mm) diameter magnet
- Power amp with switched power-type IC
- High-density particleboard enclosure



Track-Type Cone Speaker

	FS-SD9	FS-SD7	FS-SD5
<b>AMPLIFIER SECTION</b>			
Output Power	19 watts per channel, min. RMS, driven into 4 ohms, from 80Hz to 20kHz, with no more than 10% total harmonic distortion	19 watts per channel, min. RMS, driven into 4 ohms, from 80Hz to 20kHz, with no more than 10% total harmonic distortion	19 watts per channel, min. RMS, driven into 4 ohms, from 80Hz to 20kHz, with no more than 10% total harmonic distortion
<b>CD PLAYER SECTION</b>			
Dynamic Range (1kHz)	85dB	85dB	85dB
Signal-to-Noise Ratio	90dB	90dB	90dB
<b>TUNER SECTION</b>			
Band	AM/FM	AM/FM	AM/FM
Dimensions (W×H×D)	11 <sup>13</sup> / <sub>16</sub> ×3×8 <sup>1</sup> / <sub>2</sub> inches 300×75×215 mm	11 <sup>13</sup> / <sub>16</sub> ×3×8 <sup>1</sup> / <sub>2</sub> inches 300×75×215 mm	11 <sup>13</sup> / <sub>16</sub> ×3×8 <sup>1</sup> / <sub>2</sub> inches 300×75×215 mm
Weight	6.7 lbs (3.0kg)	6.7 lbs (3.0kg)	6.7 lbs (3.0kg)
<b>SPEAKER SECTION</b>			
Type	Bass-reflex, magnetically shielded	Bass-reflex, magnetically shielded	Bass-reflex
Speaker	3 <sup>3</sup> / <sub>16</sub> -inch (8cm), full-range, cone	3 <sup>3</sup> / <sub>16</sub> -inch (8cm), full-range, cone	3 <sup>3</sup> / <sub>16</sub> -inch (8cm), full-range, cone
Impedance	4 ohms	4 ohms	4 ohms
Dimensions (W×H×D)	5 <sup>3</sup> / <sub>8</sub> ×9 <sup>1</sup> / <sub>8</sub> ×5 <sup>5</sup> / <sub>8</sub> inches 135×231×141 mm	5 <sup>3</sup> / <sub>8</sub> ×9 <sup>1</sup> / <sub>8</sub> ×5 <sup>5</sup> / <sub>8</sub> inches 135×231×141 mm	3 <sup>15</sup> / <sub>16</sub> ×7 <sup>3</sup> / <sub>8</sub> ×7 <sup>5</sup> / <sub>8</sub> inches 100×186×193.5 mm
Weight	3.1 lbs (1.4kg)	3.1 lbs (1.4kg)	3.4 lbs (1.5kg)

	FS-8000
<b>AMPLIFIER SECTION</b>	
Output Power	13 watts per channel, min. RMS, driven into 4 ohms, from 100Hz to 20kHz, with no more than 10% total harmonic distortion
<b>CD PLAYER SECTION</b>	
Dynamic Range (1kHz)	85dB
Signal-to-Noise Ratio	90dB
<b>TUNER SECTION</b>	
Bands	AM/FM
Dimensions (W×H×D)	5 <sup>9</sup> / <sub>16</sub> ×6 <sup>1</sup> / <sub>2</sub> ×11 <sup>3</sup> / <sub>4</sub> inches 140×164×298 mm
Weight	6.9 lbs (3.1kg)
<b>SPEAKER SECTION</b>	
Type	Bass-reflex, magnetically shielded
Speaker	2 <sup>13</sup> / <sub>16</sub> ' (7cm)×1 <sup>5</sup> / <sub>8</sub> ' (4cm), full-range, track type
Impedance	4 ohms
Dimensions (W×H×D)	3 <sup>3</sup> / <sub>8</sub> ×6 <sup>1</sup> / <sub>4</sub> ×4 <sup>5</sup> / <sub>8</sub> inches 85×158×116 mm
Weight	1.4 lbs (0.6kg)
<b>SUBWOOFER AMPLIFIER SECTION</b>	
Output Power	60 watts per channel min. RMS, driven into 4 ohms, from 40Hz to 125Hz, with no more than 10% total harmonic distortion
<b>SUBWOOFER SPEAKER SECTION</b>	
Type	Bass-reflex
Speaker	7 <sup>7</sup> / <sub>8</sub> -inch (20cm), cone
Impedance	4 ohms
Frequency Range	40Hz — 125Hz
Dimensions (W×H×D)	10 <sup>1</sup> / <sub>16</sub> ×13×16 <sup>3</sup> / <sub>16</sub> inches 270×330×410 mm
Weight	20.3 lbs. (9.2kg)

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