

FEATURES

	CS-725	CS-525	CS-325
POWER & AMPLIFIER DESIGN			
Power (W/Ch, 4 Ω, 1 kHz)	50 W/Ch	26 W/Ch	26 W/Ch
VL Digital	✓		
High Instantaneous Current Capability (HICC)	✓		
WRAT		✓	✓
High-Current, Low-Impedance Drive	✓	✓	✓
Discrete Output Stage Circuitry	✓	✓	✓
Optimum Gain Volume Circuitry	✓	✓	✓
PLAYBACK & PROCESSING			
Plays CDs	✓	✓	✓
Plays MP3 (via CD-R, CD-RW)	✓	✓	✓
Plays MP3, WMA (via USB)	✓	✓	✓
MP3 Navigation/Repeat and Memory Modes	✓	✓	✓
VLSC	✓	✓	✓
DAC	Wolfson Stereo	Wolfson Stereo	Single-bit
Direct Mode	✓	✓	✓
TUNER FEATURES			
FM/AM Tuning with 40 Presets	✓ (FM only)	✓	✓
Manual/Automatic Tuning	✓	✓	✓
Preset Naming	✓	✓	✓
4-Mode Timer & Sleep Timer	✓	✓	✓
OTHER FEATURES			
Inputs/Outputs	4/2 Gold-plated	2/1	2/1
Subwoofer Pre Out	✓	✓	✓
Headphone Jack	✓ Gold-plated	✓	✓
Tone Control (Bass/Treble)	✓	✓	✓
Aluminum Front Panel	✓	✓	✓
Banana Plug-Compatible Speaker Posts	Gold-plated, transparent	Gold-plated, transparent	✓
Compatible with RI Dock for iPod	✓	✓	✓
RI Remote Control	✓	✓	✓

SPECIFICATIONS

	CS-725	CS-525	CS-325
RECEIVER SECTION			
AMPLIFIER SECTION			
Power Output	50 W + 50 W (4 Ω, 1 kHz, IEC)	19 W + 19 W (8 Ω, 1 kHz, JEITA) 26 W + 26 W (4 Ω, 1 kHz, JEITA)	19 W + 19 W (8 Ω, 1 kHz, JEITA) 26 W + 26 W (4 Ω, 1 kHz, JEITA)
Dynamic Power	120 W + 120 W (4 Ω)	22 W + 22 W (3 Ω) 20 W + 20 W (4 Ω) 14 W + 14 W (8 Ω)	22 W + 22 W (3 Ω) 20 W + 20 W (4 Ω) 14 W + 14 W (8 Ω)
Total Harmonic Distortion	0.08% (1 kHz, 1 W)	0.4% (1 kHz, 1 W)	0.4% (1 kHz, 1 W)
Damping Factor	50 (Front, 1 kHz, 8 Ω)	25 (Front, 1 kHz, 8 Ω)	25 (Front, 1 kHz, 8 Ω)
Input Sensitivity and Impedance	150 mV/50 kΩ (Line)	150 mV/50 kΩ (Line)	150 mV/50 kΩ (Line)
Output Level and Impedance	150 mV/2.2 kΩ (Rec Out)	150 mV/2.2 kΩ (Rec Out)	150 mV/2.2 kΩ (Rec Out)
Frequency Response	10 Hz–60 kHz/+1 dB, -3 dB (Line)	10 Hz–100 kHz/+3 dB (Line)	10 Hz–100 kHz/+3 dB (Line)
Tone Control	+6 dB, 80 Hz (Bass) ±8 dB, 10 kHz (Treble) +8 dB, 80 Hz (Super bass)	+6 dB, 80 Hz (Bass) ±8 dB, 10 kHz (Treble) +7 dB, 80 Hz (Super bass)	+6 dB, 80 Hz (Bass) ±8 dB, 10 kHz (Treble) +7 dB, 80 Hz (Super bass)
Signal-to-Noise Ratio	100 dB (Line, IHF-A)	100 dB (Line, IHF-A)	100 dB (Line, IHF-A)
Speaker Impedance	4 Ω–16 Ω	4 Ω–16 Ω	4 Ω–16 Ω
TUNER SECTION			
Tuning Frequency Range	87.5 MHz–108 MHz	87.5 MHz–108 MHz	87.5 MHz–108 MHz
FM	—	522 kHz–1.611 kHz	522 kHz–1.611 kHz
AM	—	—	—
CD PLAYER SECTION			
Frequency Response	4 Hz–20 kHz	4 Hz–20 kHz	10 Hz–20 kHz
Audio Dynamic Range	96 dB	96 dB	95 dB
Total Harmonic Distortion	0.005%	0.005%	0.009%
Wow and Flutter	Below threshold of measurability	Below threshold of measurability	Below threshold of measurability
Audio Output Impedance	1.3 V/1 kΩ	1.3 V/1 kΩ	1.3 V/1 kΩ
GENERAL			
Power Supply	AC 220–230 V, 50/60 Hz	AC 220–230 V, 50/60 Hz	AC 120 V, 60 Hz
Power Consumption	42 W	68 W/65 W	62 W/58 W
Standby Power Consumption	0.35 W	0.25 W	0.25 W
Dimensions (W x H x D)	205 x 116 x 338 mm	205 x 116 x 367 mm	205 x 116 x 367 mm
Weight	5.1 kg	4.0 kg	4.0 kg
SPEAKER SECTION			
Speaker Type	2-way, bass reflex	2-way, bass reflex	2-way, bass reflex
Drivers	13 cm A-OMF Monocoque diaphragm 3 cm ring-drive 45 Hz–100 kHz	13 cm A-OMF Monocoque diaphragm 3 cm ring-drive 50 Hz–100 kHz	13 cm A-OMF Monocoque diaphragm 3 cm ring-drive 50 Hz–100 kHz
Frequency Response	6 kHz	6 kHz	6 kHz
Crossover Frequency	84 dB/W/m	83 dB/W/m	83 dB/W/m
Output Sound Pressure Level	70 W	70 W	70 W
Max. Input Power	4 Ω	4 Ω	4 Ω
Nominal Impedance			
GENERAL			
Dimensions (W x H x D)	167 x 298 x 247 mm	160 x 275.5 x 272.5 mm	160 x 275.5 x 271.5 mm
Weight	4.2 kg	3.9 kg	3.8 kg

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ONKYO
IMAGINATIVE SIGHT & SOUND

CS-725/525/325

TRULY MUSICAL
Compact Audio System Lineup 2008

Convenient, Compact, and Truly Musical—Audio Systems with the Right Attributes

Convenience, simplicity, and style: three essential elements of a good compact audio system. Under the Onkyo name, it gets a lot more ambitious, with audiophile-quality sound, innovative technologies, and undeniable performance. At the heart of each Onkyo system is an award-winning CD receiver design that produces soul-inspiring music. It's a high-end approach to creating an integrated, space-conscious audio solution. A solution that looks and sounds great in living rooms, bedrooms, kitchens, offices—anywhere you wish.



Proprietary Onkyo Speaker Developments for Sublime Audio

The accompanying speakers are worthy of praise and feature some remarkable speaker developments designed to match the respective receivers musically. The woofer cones follow our A-OMF Monocoque design, incorporating a multi-layered diaphragm fiber that has been shown to improve mid-range clarity for a vivid, natural sound. Also, to deliver high-frequency sounds with finesse, each speaker's ring-drive tweeter restricts low-frequency interference from inside the speaker. And a precision designed duct—the Aero Acoustic Drive—further mitigates interference between high and low frequencies.



Front Panel USB Interface for Mass Storage Devices (Such as Flash Drives and Portable Audio Players)

More and more of our music is being purchased and stored on PCs. Integrating USB flash drives and portable audio players with Onkyo's compact audio systems enables you to get the best out of your digital music files (e.g. MP3 and WMA). A front-panel port lets you connect storage devices that support the USB Mass Storage Class Standard and relay digital files from your computer or MP3 player for more expansive music playback.



Wolfson® Microelectronics Stereo Digital-to-Analog Converters (DACs)

These compact audio systems support an efficient integrated amplification design with precise processing devices. As a prime example, in both the CR-725 and CR-525 you will find Wolfson stereo digital-to-analog converters (DACs) with high bit-rates and sampling rates. The expertise of Wolfson Microelectronics makes a significant contribution to audio quality.



Sturdily Built to Suppress Even the Smallest Vibrations

Every element inside these compact receivers—from the capacitors to the circuit substrates—has the potential to produce vibration noise. That's why so much thought has been put into the construction of every CD receiver in the range—from the robust, rigid chassis and aluminum front panel to the drive mechanism. We can maximize the potential of the overall system's sound quality by focusing on how even the smallest detail contributes to noise.



High-Quality Binding Posts for Secure Cable Connections

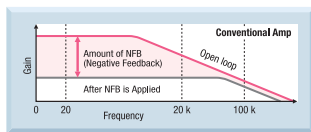
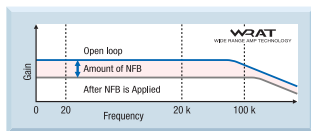
Poor binding posts not only degrade the sound, they also break easily. You will find quality banana-plug-compatible posts on all these compact audio systems. The transparent binding posts on the CR-725 and CR-525 are gold-plated to further protect the signal and to prevent tarnishing.

The Option of iPod Playback Through RI Dock for the iPod®

Onkyo's RI (Remote Interactive) function enables Onkyo system owners to integrate compatible components for operation via a single remote control. It also enables a dedicated iPod dock to be connected to any of these compact audio systems. Simply place your iPod in the dock and use the system's remote control to navigate and play back MP3 files. The RI Dock offers what independent experts have called a "heftier and more detailed" sound compared to other direct connections.

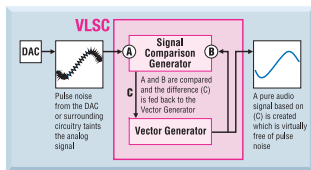


*Sold separately



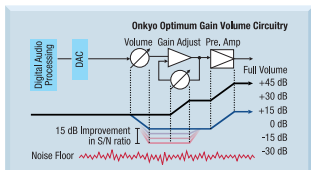
Amplification Design Built Around the Onkyo Sound

Due to obvious size limitations, compact audio systems present various challenges for amplification design, particularly when audio quality is the key consideration. Onkyo's solution is a time-honored, tried-and-tested design concept: Wide Range Amplifier Technology (WRAT). Applying WRAT as the backbone of our compact audio systems enables three distinct advantages: 1) A wider frequency response compared to other compact audio systems; 2) Reduced amplifier distortion at high volume; and 3) Better control of current and electrical/mechanical kick-back from speakers. It's a formula for producing music with exceptional tonal balance, clarity, and vitality.



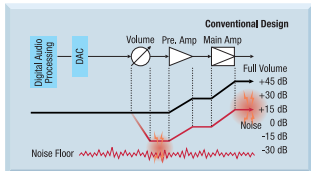
Vector Linear Shaping Circuitry (VLSC) to Maintain Clean Audio Signals

Experts agree that isolating the playback and amplification stages in any compact audio system will vastly improve performance. Systems that incorporate VLSC at the playback stage can produce a noise-free analog signal from digital music sources. This technology is effective in removing pulse noise during the digital-to-analog conversion process, thereby ensuring you get the best possible audio from CDs and compressed formats such as MP3.



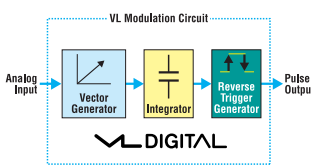
Optimum Gain Volume Circuitry for Signal Preservation

With all Onkyo components, preserving the integrity of the audio signal is a fundamental concern. And this range of compact audio systems is no different. The included Optimum Gain Volume Circuitry prevents noise from adversely affecting the audio signal when it drops close to the noise floor; by making adjustments to the gain that reduce attenuation by 50%. This ensures that even the slightest instance of noise is prevented from degrading audio when volume is increased.



Vector Linear (VL) Digital Modulation Circuitry for Accurate Conversion

VL Digital modulation circuitry enables effective digital-to-analog conversion in Onkyo's switching amplifiers and select compact audio systems. To prevent spike noise from introducing inversion-timing errors during the conversion process, VL Digital converts the analog audio signal with a high degree of accuracy. When an analog input is received, the vector generator outputs a current proportional to the size of the analog input. This current is sent to an integrator; where it is charged. When the charge reaches a specified value, the trigger operates and inverts the output pulse. Spike noise is eliminated as negative and positive charges of the waveform cancel each other out.





CR-725 CD Receiver

- 50 W/Ch, 4 Ω, 1 kHz, 2 Channels Driven, IEC
- Plays Audio CDs, MP3s (via CD-R, CD-RW)*
- Navigation Mode for Selecting and Playing MP3 Files Burned to CD-R, CD-RW
- Vector Linear (VL) Digital Technology
- High Instantaneous Current Capability (HICC)
- Customized Heavy-Duty Power Transformer
- Customized Capacitor (4700 μF) for Power Supply
- Discrete Output Stage Circuitry
- Optimum Gain Volume Circuitry
- Direct Mode
- VLSC (Vector Linear Shaping Circuitry)
- Wolfson® Stereo DAC
- 4 Audio Inputs (1 Front Panel) and 2 Outputs
- FM Tuning with 40 Presets

- Tone Control (Bass/Treble)
- Super Bass Function
- Aluminum Front and Side Panels and Volume Knob
- Robust Steel Top Cover (1.2 mm) to Suppress Vibrations
- Gold-Plated Banana Plug-Compatible Transparent Speaker Posts
- Gold-Plated Input and Output Terminals
- Compatible with RI (Remote Interactive) Dock for the iPod
- RI (Remote Interactive) Remote Control

*Discs that have not been properly finalized may only be partially playable or not playable at all.

D-N10BX(B) 2-Way Bass Reflex Speakers

- 13 cm A-OMF Monocoque Diaphragm Woofer
- 3 cm Ring-Drive Tweeter
- Aero Acoustic Drive for Powerful and Natural Sound
- V-Line Edge to Counteract Unwanted Diaphragm Vibration
- Banana Plug-Compatible Speaker Posts
- Magnetically Shielded
- MDF Cabinet with Gloss Finish
- Impedance: 4 Ω
- Max. Input Power: 70 W
- Frequency Response: 45 Hz-100 kHz

CD Receiver System
CS-725









CR-525 CD Receiver

- 19 W/Ch, 8 Ω, 1 kHz, JEITA; 26 W/Ch, 4 Ω, 1 kHz, JEITA
- Plays Audio CDs, MP3s (via USB, CD-R, CD-RW)* and WMA (via USB)
- Front Panel USB Interface for Flash Drives and Portable Audio Players
- Navigation Mode for Selecting and Playing MP3 Files Burned to CD-R, CD-RW
- WRAT (Wide Range Amplifier Technology)
- High-Current, Low-Impedance
- Discrete Output Stage Circuitry
- Optimum Gain Volume Circuitry
- Direct Mode
- VLSC (Vector Linear Shaping Circuitry)
- Wolfson® Stereo DAC
- 2 Audio Inputs and 1 Output
- Subwoofer Pre Out
- FM/AM Tuning with 40 Presets
- Tone Control (Bass/Treble)
- Super Bass Function
- Aluminum Front Panel and Volume Knob
- Gold-Plated Banana Plug-Compatible Transparent Speaker Posts
- Compatible with RI (Remote Interactive) Dock for the iPod
- RI (Remote Interactive) Remote Control

*Discs that have not been properly finalized may only be partially playable or not playable at all.

D-525 2-Way Bass Reflex Loudspeakers

- 13 cm A-OMF Monocoque Diaphragm Woofer
- 3 cm Ring-Drive Tweeter
- Gloss Finish
- Aero Acoustic Drive for Powerful and Natural Sound
- V-Line Edge to Counteract Unwanted Diaphragm Vibration
- Magnetically Shielded
- Impedance: 4 Ω
- Max. Input Power: 70 W
- Frequency Response: 50 Hz–100 kHz



CD Receiver System
CS-525

WRAT WIDE RANGE AMP TECHNOLOGY VL VECTOR LINEAR SHAPING CIRCUITRY USB MP3 A-OMF MONOCOQUE RI

CR-325 CD Receiver

- 19 W/Ch, 8 Ω, 1 kHz, JEITA; 26 W/Ch, 4 Ω, 1 kHz, JEITA
- Plays Audio CDs, MP3s (via CD-R, CD-RW)*
- Navigation Mode for Selecting and Playing MP3 Files Burned to CD-R, CD-RW
- WRAT (Wide Range Amplifier Technology)
- High-Current, Low-Impedance
- Discrete Output Stage Circuitry
- Optimum Gain Volume Circuitry
- Direct Mode
- Single-Bit DAC
- 2 Audio Inputs and 1 Output
- Subwoofer Pre Out
- FM/AM Tuning with 40 Presets
- Tone Control (Bass/Treble)
- Super Bass Function
- Aluminum Front Panel
- Banana Plug-Compatible Speaker Posts
- Compatible with RI (Remote Interactive) Dock for the iPod
- RI (Remote Interactive) Remote Control

*Discs that have not been properly finalized may only be partially playable or not playable at all.

D-325 2-Way Bass Reflex Loudspeakers

- 13 cm A-OMF Monocoque Diaphragm Woofer
- 3 cm Ring-Drive Tweeter
- Gloss Finish on Front
- Aero Acoustic Drive for Powerful and Natural Sound
- V-Line Edge to Counteract Unwanted Diaphragm Vibration
- Magnetically Shielded
- Impedance: 4 Ω
- Max. Input Power: 70 W
- Frequency Response: 50 Hz–100 kHz



CD Receiver System
CS-325

WRAT WIDE RANGE AMP TECHNOLOGY MP3 A-OMF MONOCOQUE RI

