

# CS-525 CD Receiver System

SILVER



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

## Award-Winning Compact Audio Design and Performance with USB Connectivity

Building on the success of Onkyo's 2007 award-winning compact audio system, the CS-525 harnesses the same audio design for an audio performance that has been compared to that of quality separate components. Specifically, at the playback stage, you have Vector Linear Shaping Circuitry (VLSC) working to remove noise from the audio signal during the conversion process. And at the amplification stage, Wide Range Amplifier Technology (WRAT) provides the foundation for a listening experience that's truly musical. Onkyo compact systems are all about continuous improvement. So you'll find a USB port for connecting to mass storage devices (such as MP3 players) and a new-look, gloss finish that earns the CS-525 some serious style credentials.

### Amplification Design Built Around the Onkyo Sound

Due to their obvious size limitations, mini audio systems present various challenges to amplification design. The concept behind the CS-525 was to design a compact system with audio quality as the key consideration. Therefore, Onkyo's engineers incorporated the same technology used in our renowned full-sized amplifiers and receivers: Wide Range Amplifier Technology. WRAT gives the CS-525 three distinct advantages: 1) A wider frequency response compared to similar mini audio systems; 2) Reduced amplifier distortion at high volume; and 3) Better control of current and electrical/mechanical kick-back from speakers. This enables the CS-525 to deliver audio of surprisingly high quality from such a compact component.

### Vector Linear Shaping Circuitry (VLSC) and Optimum Gain Volume Circuitry to Maintain Clean Audio Signals

The CS-525 uses VLSC to 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 maintaining the purity of the signal. Employed in Onkyo's A/V receivers and playback components, VLSC ensures you get the best possible audio from CDs and compressed formats such as MP3.

Optimum Gain Volume Circuitry is also used to prevent noise from adversely affecting the audio signal. This circuitry makes adjustments to the gain, thereby reducing attenuation by 50%, so the signal never comes close to the noise floor. By contrast, in conventional volume attenuation methods (where no gain adjustment is made), the signal drops close to the noise floor at low volumes. This taints the signal with noise that is noticeable when the signal is amplified.

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

With the CS-525's front-panel port for a USB mass storage device, you can

access MP3 and WMA files from USB flash drives (e.g. memory sticks) or from portable audio players that support the USB Mass Storage Class Standard. Once your device is connected, you can use the CS-525's remote control to play back the music files in the order in which they are organized. The CS-525's USB port makes it easy to relay digital files from your computer for playback, or to use your MP3 player as a music source.

### The Option of iPod Playback Through RI Dock for the iPod\*

The Remote Interactive (RI) system enables Onkyo owners to integrate compatible components for operation via a single remote control. It also enables you to integrate the iPod with the CS-525 through Onkyo's optional RI Dock for the iPod. Simply connect the dock to the CD receiver, then place your iPod in the dock for control with the CS-525's remote. The RI Dock has been hailed as offering a "heftier and more detailed" sound than can be experienced with an RCA stereo cable.

\*Sold separately

### Gloss-Finished Speakers With Select Performance-Enhancing Features

The accompanying D-525 two-way, bass-reflex speakers have a gloss finish that will impress in any environment. Musically, they incorporate a range of Onkyo speaker developments designed to match the CR-525. For example, the woofer cones are made from Onkyo's A-OMF Monocoque—a diaphragm fiber designed to support piston motion range. Also, to deliver high frequency sounds with finesse, the speakers include a ring-drive tweeter that contributes to the restraint of low-frequency interference from inside the speaker. Finally, a duct—called the Aero Acoustic Drive—is included to mitigate interference between high and low frequencies.



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## CR-525 CD Receiver

### Amplifier Features

- 19 W/Ch, 8 Ω, 1 kHz, JEITA; 26 W/Ch, 4 Ω, 1 kHz, JEITA
- Wide Range Amplifier Technology (WRAT)
- High-Current, Low-Impedance Drive
- Discrete Output Stage Circuitry
- Optimum Gain Volume Circuitry
- 2 Audio Inputs and 1 Output
- Subwoofer Pre Out

### CD Player Features

- Plays Audio CDs and MP3s Burned to CD-Rs and CD-RWs\*
- Vector Linear Shaping Circuitry (VLSC)
- Wolfson Stereo DAC
- 4 Play Modes (Normal/Memory/Random/1 Folder)
- Navigation/All Folder Modes for Selecting and Playing MP3 Files
- MP3 Settings for Personal Preferences
- Memory Playback (25-Track Programming)
- 2 Repeat Modes (Track/Full)

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

### Tuner & Other Features

- Front Panel USB Interface for Mass Storage Devices (Such as Flash Drives and Portable Audio Players)
- 4-Mode Timer (Play or Rec/Once or Every)
- Sleep Timer
- Preset Function with 40 FM/AM Selections
- Preset Naming (Up to 8 Characters)
- Manual and Automatic FM/AM tuning
- FM Auto Preset
- Tone Control (Bass/Treble)
- Super Bass Function
- Battery-Free Memory Backup
- Aluminum Front Panel
- FM Indoor Antenna Supplied
- AM Loop Antenna Supplied
- Headphone Jack
- Gold-Plated Banana Plug-Compatible Transparent Speaker Posts
- Compatible with Remote Interactive (RI) Dock for the iPod
- RI (Remote Interactive) Remote Control

## 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

Speaker cable and cork spacers included.

## SPECIFICATIONS

### RECEIVER SECTION

#### AMPLIFIER SECTION

<b>Power Output</b>	19 W + 19 W (8 Ω, 1 kHz, JEITA) 26 W + 26 W (4 Ω, 1 kHz, JEITA)
<b>Dynamic Power</b>	22 W + 22 W (3 Ω) 20 W + 20 W (4 Ω) 14 W + 14 W (8 Ω)
<b>Total Harmonic Distortion</b>	0.4% (1 kHz, 1 W)
<b>Damping Factor</b>	25 (Front, 1 kHz, 8 Ω)
<b>Input Sensitivity and Impedance</b>	150 mV/50 kΩ (Line)
<b>Output Level and Impedance</b>	150 mV/2.2 kΩ (Rec Out)
<b>Frequency Response</b>	10 Hz–100 kHz/±3 dB (Line)
<b>Tone Control</b>	±6 dB, 80 Hz (Bass) ±8 dB, 10 kHz (Treble) +7 dB, 80 Hz (Super bass)
<b>Signal-to-Noise Ratio</b>	100 dB (Line, IHF-A)
<b>Speaker Impedance</b>	4 Ω–16 Ω

#### TUNER SECTION

<b>Tuning Frequency Range</b>	
FM	87.5 MHz–108 MHz
AM	522 kHz–1,611 kHz

#### CD PLAYER SECTION

<b>Frequency Response</b>	4 Hz–20 kHz
<b>Audio Dynamic Range</b>	96 dB
<b>Total Harmonic Distortion</b>	0.005%
<b>Wow and Flutter</b>	Below threshold of measurability
<b>Audio Output/Impedance</b>	1.3 V/1 kΩ

#### GENERAL

<b>Power Supply</b>	AC 120 V, 60 Hz AC 220–230 V, 50/60 Hz
<b>Power Consumption</b>	65 W
<b>Standby Power Consumption</b>	0.25 W
<b>Dimensions (W x H x D)</b>	205 x 116 x 367 mm
<b>Weight</b>	4.0 kg

### CARTON (CR-525)

<b>Dimensions (W x H x D)</b>	455 x 232 x 318 mm 464 x 244 x 324 mm
<b>Weight</b>	5.1 kg/5.4 kg

### SPEAKER SECTION

<b>Speaker Type</b>	2-way, bass reflex
<b>Drivers</b>	
Woofer	13 cm A-OMF Monocoque diaphragm
Tweeter	3 cm ring-drive
<b>Frequency Response</b>	50 Hz–100 kHz
<b>Crossover Frequency</b>	6 kHz
<b>Output Sound Pressure Level</b>	83 dB/W/m
<b>Max. Input Power</b>	70 W
<b>Nominal Impedance</b>	4 Ω

#### GENERAL

<b>Dimensions (W x H x D)</b>	160 x 275.5 x 272.5 mm
<b>Weight</b>	3.9 kg

### CARTON (D-525)

<b>Dimensions (W x H x D)</b>	456 x 348 x 350 mm
<b>Weight</b>	9.0 kg

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IMAGINATIVE SIGHT & SOUND

Onkyo Corporation 2-1 Nisshin-cho, Neyagawa-shi, Osaka 572-8540, JAPAN Tel: +81-72-831-8136 Fax: +81-72-833-5222 <http://www.onkyo.com/>

Onkyo China Limited Unit 1 & 12, 9/F, Ever Gain Plaza Tower 1, 88, Container Port Road, Kwai Chung, N.T., Hong Kong, CHINA Tel: +852-2429-3118 Fax: +852-2428-9039 <http://www.ch.onkyo.com/>

Onkyo U.S.A. Corporation 18 Park Way, Upper Saddle River, N.J. 07458, U.S.A. Tel: +1-201-785-2600 Fax: +1-201-785-2650 <http://www.onkyousa.com/>

Onkyo Europe Electronics GmbH Liegnitzerstrasse 6, 82194 Grobenzell, GERMANY Tel: +49-8142-4401-0 Fax: +49-8142-4401-555 <http://www.eu.onkyo.com/>