

# CS-325 CD Receiver System

SILVER



WRAT WIDE RANGE AMP TECHNOLOGY | COMPACT disc DIGITAL AUDIO | MP3 | A-OMF MONOCOQUE | RI

## Built Around Proven Amplification Design, Solid Build Quality and Impressive Musicality

Mini audio systems are all about improving your lifestyle. Beyond merely saving space, though, the right mini system adds functionality and style in an integrated package. The CS-325 CD receiver system takes things a step further, thanks to its exceptional ability to reproduce audio. Here, Onkyo has applied the same approach used in its acclaimed two-channel audio line-up. The end result is a system best described with one word—musical. The system's multi-format-capable receiver sports a robust chassis designed to suppress vibrations. Meanwhile, the accompanying speakers feature a gloss finish on the front, as well as proprietary Onkyo speaker developments designed to deliver audio signals with punch, clarity and emotion.

### 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-325 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-325 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-325 to deliver audio of surprisingly high quality from such a compact component.

### Exclusive Onkyo Circuitry to Maintain Clean Audio Signals

Lower-quality mini audio systems usually employ just one circuit at the output stage. With multiple transistors crammed onto a single circuit, excess heat is generated and the audio signal is compromised. The CR-325 CD receiver is different. It uses discrete amplifier technology similar to that found on Onkyo's full-sized amplifiers and receivers. Keeping the transistors separate at the output stage enhances cooling, so the CR-325's longevity is extended and interference to the audio signal is reduced.

Conventional volume attenuation methods involve initially dropping a signal close to the noise floor at low volumes. This taints the signal with noise, which increases when the signal is amplified. By contrast, Optimum Gain Volume Circuitry adjusts the gain so that less than half the usual amount of attenuation is necessary. The signal never comes close to the noise floor, and the risk of noise is therefore reduced.

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

Onkyo's Remote Interactive (RI) function enables Onkyo component owners to integrate compatible components for operation via a single remote control. It also enables you to integrate the iPod with the CS-325 through Onkyo's optional RI Dock. Simply connect the dock to the CS-325's receiver, then place your iPod in the dock for control via the CS-325's remote. The RI Dock offers a "heftier and more detailed" sound than can be experienced with an RCA stereo cable.



\*Sold separately

### Gloss-Finished Speakers with Proprietary Onkyo Features

The accompanying D-325 two-way, bass-reflex speakers have a gloss finish on the front that will impress in any environment. Musically, they incorporate a range of Onkyo speaker developments designed to match the CR-325 CD receiver. For example, the woofer cones are made from Onkyo's A-OMF Monocoque—a diaphragm fiber designed to support the range of piston motion. 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—the Aero Acoustic Drive—is included to further mitigate interference between high and low frequencies.

### Simple Yet Comprehensive Control over All Your MP3s

With more and more music being bought online, the CS-325 is an ideal solution for bringing greater audio fidelity to MP3s. As MP3 files can be organized hierarchically in folders, you can use either of two modes—Navigation or All Folder—for selection and playback. In All Folder mode, all folders appear at the same level, making it easy to select one. If no specific file or MP3 is selected, all tracks will be played back in numerical order. On the other hand, Navigation mode lets you move through the folder hierarchy. The display button on the remote also enables you to see information about the MP3 being played, including the artist's name and the song and album titles.

# CS-325 CD Receiver System

## CR-325 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
- Direct Mode
- 2 Audio Inputs and 1 Output
- Subwoofer Pre Out

### CD Player Features

- Plays Audio CDs and MP3s Burned to CD-R and CD-RW\*
- Single-Bit 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

- 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) via Remote Control
- Super Bass Function
- Battery-Free Memory Backup
- Aluminum Front Panel
- FM Indoor Antenna Supplied
- AM Loop Antenna Supplied
- Headphone Jack
- Banana Plug-Compatible Speaker Posts
- Compatible with RI Dock for the iPod
- RI (Remote Interactive) Remote Control

## 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

Note: Speaker cable and cork spacers are included.

## SPECIFICATIONS

### RECEIVER SECTION

#### AMPLIFIER SECTION

Power Output	19 W + 19 W (8 Ω, 1 kHz, JEITA) 26 W + 26 W (4 Ω, 1 kHz, JEITA)
Dynamic Power	22 W + 22 W (3 Ω) 20 W + 20 W (4 Ω) 14 W + 14 W (8 Ω)
Total Harmonic Distortion	0.9% (Rated power), 0.4% (1 kHz, 1 W)
Damping Factor	25 (Front, 1 kHz, 8 Ω)
Input Sensitivity and Impedance	150 mV/50 kΩ (Line)
Output Level and Impedance	150 mV/2.2 kΩ (Rec. Out)
Frequency Response	10 Hz–100 kHz/±3 dB (Line)
Tone Control	±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)
Speaker Impedance	4 Ω–16 Ω

#### TUNER SECTION

Tuning Frequency Range	
FM	87.5 MHz–108 MHz
AM	522 kHz–1,611 kHz

#### CD PLAYER SECTION

Frequency Response	10 Hz–20 kHz
Audio Dynamic Range	95 dB
Total Harmonic Distortion	0.009%
Wow and Flutter	Below threshold of measurability
Audio Output/Impedance	1.3 V/1.0 kΩ

#### GENERAL

Power Supply	AC 120 V, 60 Hz AC 220–230 V, 50/60 Hz
Power Consumption	62 W/58 W
Standby Power Consumption	0.25 W
Dimensions (W x H x D)	205 x 116 x 367 mm
Weight	4.0 kg

### CARTON

Dimensions (W x H x D)	455 x 232 x 318 mm
Weight	5.1 kg

### SPEAKER SECTION

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

#### GENERAL

Dimensions (W x H x D)	160 x 275.5 x 271.5 mm
Weight	3.8 kg

### CARTON

Dimensions (W x H x D)	456 x 348 x 350 mm
Weight	8.8 kg

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