

CS-555DAB CD Hi-Fi Mini System

SILVER BLACK

WRAT
WIDE RANGE AMP TECHNOLOGY

VLSC

MP3

WMA

USB

DAB+
Digital Audio Broadcasting

RDS RI

Made for
iPod iPhone

Premium Audio Technology in a Versatile System

Onkyo's proven Wide Range Amplifier Technology concept—along with upgraded Three-Stage Inverted Darlington Circuitry and VLSC™ noise-canceling technology—lies at the very heart of Onkyo's premium hi-fi separates range. The good news is that this same technology is now powering selected compact models such as this one. Combined with the symmetrical layout of the left and right channels and an audiophile-grade 192 kHz/24-bit DAC, distortion is all but eliminated and your music is brought to life. Hear your cherished albums played back with the sort of depth and clarity you might expect from a high-end system. With the CS-555DAB, you can spin CDs or explore the world of digital radio, plug in an iPod or flash drive to the USB port, or enjoy the iTunes library on your PC via 96 kHz/24-bit digital inputs. Our latest bookshelf loudspeakers feature N-OMF cotton and aramid laminate cones with center-mounted bullet equalizers to minimize vibration. These speakers smoothly handle phase-matched and boosted bass without obscuring the mid-range frequencies. Robust construction and a quality finish reflect the premium audio technology inside, all in system everybody can afford.

CR-555DAB CD Receiver

- 22 W/Ch (4 Ω, 1 kHz, 0.4%, 2 Channels Driven, IEC)
- Plays Audio CD, CD-R, and CD-RW*
- Built-In DAB/DAB+ Tuner
- Three-Stage Inverted Darlington Circuitry
- Symmetrical Power Amplifier Circuit Design
- WRAT (Wide Range Amplifier Technology)
- VLSC™ (Vector Linear Shaping Circuitry)
- Short Signal Paths Between Amplifier and Power Supply Stage
- Low Noise Design
- High Slew Rate (90 V/μsec)

- Phase-Matching Bass Boost
- Extra Transformer for Standby Mode
- 192 kHz/24-Bit Audio DAC (WM8718)
- PCM DAC Direct Mode
- Wide Band-Pass Filter
- Front-Panel USB Port for iPod/iPhone or Flash Memory Device
- Plays MP3, WMA, and AAC Formats via USB
- Digital Audio Inputs (Optical and Coaxial)
- 3 Analog Audio Inputs and 1 Output
- Subwoofer Pre-Out
- 1.2 mm Thick Solid Chassis

- 40 FM Preset Stations
- DAB/DAB+ 40 Preset Stations
- RDS (PS/RT)
- Tone Control (Bass/Treble)
- Remote Control

*Discs should be properly finalized.

D-055 2-Way Bass Reflex Speakers

- 12 cm N-OMF Diaphragm Woofer
- 2.5 cm Soft-Dome Tweeter
- Center-Mounted Equalizer on Woofer for Clear Vocal Sound
- Black Rubber Finish Speaker Baffle



CS-555DAB CD Hi-Fi Mini System

Find Your New Favorite Station

Digital radio is one of the best sources of free, high quality home entertainment. Whether you like music, talkback, comedy, or current affairs, the DAB/DAB+ function included on this mini system opens up a diverse world of programming to browse and enjoy. Unlike the old days where you'd be afraid to touch the dial in case you lost your original station, changing channels is now a matter of pushing a button and selecting from the 40-preset memory. Furthermore, digital radio delivers sound quality that's as good—and in most cases, better—than traditional FM broadcasts, while being less susceptible to environmental interference.

WRAT (Wide Range Amplifier Technology) for Naturally Vivid Sound

Onkyo developed the WRAT suite of technologies to improve the clarity and character of amplified audio. The technologies work to reduce noise across the frequency range, guaranteeing a clear and natural sound. It achieves this by employing a low negative feedback amplifier design, preserving the energy and life contained within the recording; using closed ground-loops to cancel unwanted noise from individual circuits; and by enabling high current flows to cancel reflex energy from the speakers.

Top Quality Amplifier for Pure Audio Clarity

While some hi-fi makers take a shortcut to amplified audio with the use of cheap all-in-one IC chips, the resulting sound too often distorts once you turn the volume up. Instead, Onkyo uses the same discrete Three-Stage Inverted Darlington amplification circuitry found on its flagship A/V and hi-fi components in selected compact models such as the CS-555DAB. The result is full and pure sound from an affordable, space-saving audio system.

Low Noise Technology for Accurate Sound

Short pathways from power supply to amplifying circuit reduce the chance of electrical interference, while a top-quality 192 kHz/24-bit DAC and three-stage amplification process maintain the integrity of audio signals. A symmetrical and uniform layout minimizes the chance of interference between left and right channels. In fact, our lab testing shows the CS-555DAB to reproduce audio that's four times clearer than conventional models, while channel interference has been reduced to almost zero for superb stereo separation.

VLSC™ Removes Pulse Noise From Digital Signals

Even using high-quality DACs to reduce digital pulse noise at the conversion stage, you can't remove it completely. VLSC employs a unique digital-to-analog conversion circuit to overcome this problem. Data is converted between sampling points and these points are joined with analog vectors in real

time. The result is a smooth, virtually noiseless analog signal based on the digital source.

Phase-Matching Bass Boost System

From the warm low notes produced by a cello to the deep frequencies of electronic music, a good compact audio system should be able to deliver plenty of bass resonance. While traditional enhancement systems effectively boost low-frequency sound, they are often prone to the effects of phase shifting, which can overwhelm mid-range frequencies and muddy the sound. Our Phase-Matching Bass Boost technology effectively preserves mid-range clarity—allowing vocals and strings to shine—while maintaining a smooth, powerful bass response at all volume levels.

Front-Panel USB Port for iPod/iPhone or Flash Memory Devices

The CS-555DAB's front-panel USB port gives access to MP3 and AAC audio files stored in iPod and iPhone. You can also load up a flash memory drive with these file types—along with WMA format—and plug it into the USB port, using the system's remote controller to play back your music. As the audio signals are transported in digital form, rather than analog, there is much less chance for signal degradation. Your music sounds clearer and more faithful to the original. You can plug your iPod or iPhone for an automatic recharge at any time, with the system returning to standby mode once you disconnect the device*.

*Some models do not support automatic recharge on standby. Please refer to the Onkyo website or product manual for details.

High-Performance Two-Way Bookshelf Speakers

The accompanying D-055 two-way, bass-reflex speakers incorporate N-OMF (Onkyo Micro Fiber)—a durable material comprising molded layers of aramid and lightweight non-woven cotton that give the diaphragm the requisite stiffness to enable a fast and accurate response. This material works in tandem with a bullet-shaped speaker equalizer to effectively absorb unwanted vibrations. Furthermore, each speaker features a soft-dome tweeter to deliver high-frequency sounds with greater finesse.

More Digital and Analog Connections

As well as a pre-out for a powered subwoofer—freeing the speakers to more efficiently handle mid and high frequencies—the CS-555DAB has 96 kHz/24-bit optical and coaxial inputs. If your PC has a digital lineout, you can direct audio through the Onkyo system, with signals carried straight to the receiver's 192 kHz/24-bit DAC. Now you can experience everything from iTunes music to YouTube videos with power and precision beyond anything a set of computer speakers can muster. As well as a front-panel USB port, there is a selection of rear-side analog inputs to connect everything from your cell phone to a turntable.

SPECIFICATIONS

CD RECEIVER SECTION

Amplifier Section

Power Output 22 W + 22 W
(4 Ω , 1 kHz, 0.4 %, 2 Channels Driven, IEC)

THD+N (Total Harmonic Distortion + Noise)

0.4% (1 kHz, 1 W)

Damping Factor

22 (1 kHz, 8 Ω)

Input Sensitivity and Impedance

150 mV/47 k Ω (Line)

Rated RCA Output Level and Impedance

0.15 V/330 Ω (Line Out)

Frequency Response

10 Hz–100 kHz/+3 dB, -3 dB

Tone Control

± 6 dB, 80 Hz (Bass)

± 8 dB, 10 kHz (Treble)

± 8 dB, 30 Hz (PM 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

DAB+ 174.928 kHz–239.200 kHz

General

Power Supply AC 220–230 V~ 50/60 Hz

Power Consumption 77 W

Standby Power Consumption 0.27 W

Dimensions (W x H x D) 215 x 119 x 331 mm

Weight 4.8 kg

Carton (CR-555DAB)

Dimensions (W x H x D) 487 x 232 x 309 mm

Weight 6.8 kg

SPEAKER SECTION

Speaker Type

2-Way, Bass-Reflex

Drivers

Woofer 12 cm N-OMF Diaphragm

Tweeter 2.5 cm Soft-Dome

Frequency Response

55 Hz–35 kHz

Crossover Frequency

2.5 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) 154 x 245 x 258 mm

Weight 3.6 kg

Carton (D-055)

Dimensions (W x H x D) 487 x 355 x 309 mm

Weight 8.6 kg

Supplied Accessories

• Indoor FM Antenna • Speaker Cable and Cork Spacers

• Instruction Manual • Remote Controller • AAA (R03) Batteries x 2



CS-555DAB (Front View)



Silver



Black

CR-555DAB
(Rear View)

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