

CS-1045 CD Hi-Fi Mini System

SILVER BLACK



VLSC COMPACT DISC DIGITAL AUDIO MP3 WMA USB
OMF ONKYO MICRO FIBER OPTICS Made for iPod iPhone



Bringing Audio Finesse to Smaller Rooms

The CS-1045 gives you the quality of separate components plus the space-saving convenience of a mini system. On the playback side, the CD player employs high-quality Wolfson® DACs to get the most out of your CDs and MP3- or WMA-encoded discs. Complementing that is a handy front-side USB port on the matching receiver, which offers easy playback of iPhone/iPod and flash memory devices. Of course, the receiver's main job is to amplify your favorite music. It does this with panache, thanks to an advanced digital design that works alongside Onkyo's precision-engineered VLSC™ technology. The system is rounded out by a pair of compact bookshelf speakers featuring Onkyo's OMF diaphragms and V-Line Edge technology for a tight and accurate sound.

High-Power Digital Amplifier with Superior Build Quality

Driving the CS-1045 system is the R-1045, a compact yet powerful amplifier capable of pumping out an impressive 85 W/Ch. Being a digital amplifier, the R-1045 combines high performance with space-saving dimensions. Its highly rigid, anti-resonant 1.6 mm-thick chassis works in tandem with the aluminum front panel to form a sturdy exterior that protects your audio signals from shelf-borne vibrations. Naturally, the matching C-1045 CD player shares the same superb build quality.

VLSC™ (Vector Linear Shaping Circuitry)

In conventional digital-to-analog conversion methods, it is impossible to completely remove noise, which taints the analog signal and ultimately degrades the sound emitted from your speakers. With Onkyo's VLSC, data is continuously sampled between two discrete points (via a signal comparison generator), and the difference is joined with analog vectors in real-time to produce a smooth output waveform. The VLSC digital-to-analog conversion method results in a smooth, virtually pulse noise-free audio signal that faithfully reproduces the acoustic detail and subtle nuances of all your audio sources, and breathes life into digital media.

Front-Panel USB Port for Single-Cable Digital Connection of iPhone/iPod

The R-1045 receiver's front-panel USB port lets you access MP3, WMA, and AAC audio files stored on a USB flash drive or iPhone/iPod. As the audio signals are transported in digital form, rather than analog, there is much less chance for signal degradation. End result: your music sounds cleaner and more faithful to the original. Another benefit of the USB input is that it lets you use the system's remote controller to play back audio files on the connected device.

Quality Speakers with Proprietary Onkyo Performance Features

Designed to match the receiver and player, the accompanying D-145 two-way, bass-reflex speakers incorporate a number of Onkyo speaker developments. The woofer cones, for example, are made from OMF (Onkyo Micro Fiber)—a durable material comprising molded layers of aramid and cotton that give the diaphragm the requisite stiffness to enable a fast and accurate response. This material works in tandem with a new speaker equalizer located in the center of the cone to effectively absorb unwanted vibrations. Furthermore, each speaker features a soft-dome tweeter to deliver high-frequency sounds with greater finesse.



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R-1045 Stereo Receiver

- 85 W/Ch, 4 Ω, 1 kHz, 1 Channel Driven, JEITA
- VLSC™ (Vector Linear Shaping Circuitry)
- Burr-Brown 192 kHz/24-Bit DACs (PCM1796)
- Massive Power Transformer
- Front-Panel USB Port for Single-Cable Digital Connection of iPhone/iPod
- Plays MP3, WMA, and AAC Formats via USB
- FM/AM 40 Preset Stations
- 2 Digital Audio Inputs (1 Optical and 1 Coaxial)
- 3 Analog Audio Inputs and 1 Output
- Phono Input (MM)
- 2 RI (Remote Interactive) Terminals
- Subwoofer Pre Out
- Headphone Jack
- Banana Plug-Compatible Speaker Posts
- Tone Control (Bass/Treble)
- Source Direct Mode
- High-Rigidity, Anti-Resonant Flat Chassis (1.6 mm Thick)
- Aluminum Front Panel

C-1045 CD Player

- Plays Audio CD, CD-R, and CD-RW*
- Plays MP3 and WMA Formats
- Wolfson® Stereo DAC (WM8718)
- High-Precision Clock
- Digital Audio Output (Coaxial)
- Analog Audio Output
- 2 RI (Remote Interactive) Terminals
- 4 Play Modes (Normal/Memory/Random/Folder)
- 2 Repeat Modes (Track/All)
- Memory Playback (25-Track Programming)
- High-Rigidity, Anti-Resonant Flat Chassis (1.6 mm Thick)
- Aluminum Front Panel

*Discs should be properly finalized.

D-145 2-Way Bass Reflex Speakers

- 12 cm OMF Diaphragm Woofer
- 2.5 cm Soft-Dome Tweeter
- Center-Mounted Equalizer on Woofer for Fast and Accurate Response
- V-Line Edge and High-Linearity Damper
- MDF Cabinet
- Gloss Finished Top and Side Panels
- Banana Plug-Compatible Speaker Posts
- Impedance: 4 Ω
- Max. Input Power: 80 W
- Frequency Response: 55 Hz–35 kHz

SPECIFICATIONS

RECEIVER SECTION

AMPLIFIER SECTION

Power Output	85 W + 85 W (4 Ω, 1 kHz, 1 channel driven, JEITA)
Dynamic Power	110 W + 110 W (3 Ω) 100 W + 100 W (4 Ω) 60 W + 60 W (8 Ω)
THD (Total Harmonic Distortion)	0.08% (1 kHz, 1 W)
Damping Factor	35 (Front, 1 kHz, 8 Ω)
Input Sensitivity and Impedance	115 mV/33 kΩ (Line)
Output Level and Impedance	125 mV/2.2 kΩ (Rec Out)
Phono Overload	85 mV (MM, 1 kHz, 0.5%)
Frequency Response	5 Hz–60 kHz/+1 dB, -3 dB (Line)
Tone Control	±14 dB, 100 Hz (Bass) ±12 dB, 10 kHz (Treble)
Signal-to-Noise Ratio	100 dB (Line, IHF-A) 75 dB (Phono, IHF-A)
Speaker Impedance	4 Ω–16 Ω

TUNER SECTION

Tuning Frequency Range	
FM	87.5 MHz–108 MHz
AM	522 kHz–1,629 kHz

GENERAL

Power Supply	AC 220–240 V~, 50/60 Hz
Power Consumption	65 W
Standby Power Consumption	0.3 W
Dimensions (W x H x D)	275 x 83 x 311 mm
Weight	5.7 kg

CARTON (R-1045)

Dimensions (W x H x D)	384 x 192 x 467 mm
Weight	7.7 kg

SUPPLIED ACCESSORIES

- AM loop antenna • FM indoor antenna
- Remote controller and two batteries • Instruction manual

CD PLAYER SECTION

Frequency Response	5 Hz–20 kHz
Signal-to-Noise Ratio	105 dB
Audio Dynamic Range	100 dB
THD (Total Harmonic Distortion)	0.003%
Audio Output/Impedance	Coaxial 0.5 Vp-p/75 Ω
Rated RCA Output Level and Impedance	2.0 V (rms)/470 Ω

GENERAL

Power Supply	AC 220–240 V~, 50/60 Hz
Power Consumption	9 W
Standby Power Consumption	0.3 W
Dimensions (W x H x D)	275 x 83 x 282 mm
Weight	3.4 kg

CARTON (C-1045)

Dimensions (W x H x D)	392 x 192 x 459 mm
Weight	5.1 kg

SUPPLIED ACCESSORIES

- Instruction manual

CARTON (PHA-1045)

Dimensions (W x H x D)	392 x 352 x 459 mm
Weight	12.2 kg

SPEAKER SECTION

Speaker Type	2-way, bass reflex
Drivers	
Woofer	12 cm OMF diaphragm
Tweeter	2.5 cm soft-dome
Frequency Response	55 Hz–35 kHz
Crossover Frequency	3 kHz
Output Sound Pressure Level	85 dB/W/m
Max. Input Power	80 W
Nominal Impedance	4 Ω

GENERAL

Dimensions (W x H x D)	170 x 283 x 230 mm
Weight	3.7 kg

CARTON (D-145)

Dimensions (W x H x D)	467 x 388 x 384 mm
Weight	8.8 kg

SUPPLIED ACCESSORIES

- Speaker cable and cork spacers • Instruction manual

PHA-1045(S/B) CD Mini Hi-Fi Components

- R-1045 Stereo Receiver • C-1045 CD Player

(See above)



(Note: The PHA-1045 is not available in Hong Kong.)



R-1045 (Rear view)



C-1045 (Rear view)

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