

CS-V815

UNIVERSAL A/V RECEIVER SYSTEM

ONKYO
IMAGINATIVE SIGHT & SOUND



Bringing an Unexpected Edge and Versatile Dimension to Home Style Components

For a relatively diminutive A/V receiver system, the CS-V815 really does cover all the bases. The ability to handle breakthrough audio formats, DVD-Audio and Super Audio CD, as well as regular CDs, digital MP3 and WMA files, is impressive enough. But the CS-V815 will also enable you to play back progressive scan DVD sources with a virtual surround sound-field, and it also takes DTS® and Dolby® Digital sources into the full 5.1-channel realm with connection to a power (main) amplifier and speakers. This universal A/V receiver system also gives you some compelling options, like iPod connectivity through Onkyo's Remote Interactive Dock. With its space-saving qualities and versatility, the CS-V815 will neatly integrate into virtually any space of your choice and give you greater entertainment options.

Super Audio CD and DVD-Audio on Top of MP3s, WMA and Regular CDs

The CS-V815 enables playback of the premium audio formats, DVD Audio and Super Audio CD, at a 96 kHz/24-bit sampling rate. As DVD-Audio also carries the DTS and Dolby Digital formats, you also have the option of enjoying their respective audio formats with the CS-V815's onboard codecs. And if you don't have the CS-V815 connected to another power amplifier for multichannel music, the CS-V815 will downmix the multichannel recording into stereo for playback. Also, you can take any of your MP3 or WMA files copied to CD-R or CD-RW for playback through the CS-V815's scintillating audio fidelity.

Superb DVD Playback with Surround Sound Decoding

With component video outputs on the rear, the CS-V815 is ready to send video signals (supported by a capable 108 MHz/12-bit video DAC) to compatible displays. With DTS Surround, Dolby Digital and Dolby Digital Pro Logic II decoding, you can set-up a full 5.1-channel surround system (with an external power amplifier as well as center/surround speakers and a subwoofer). If you want to keep it simple, Onkyo's Theater Dimensional virtual surround sound-field will work with your existing two speakers (as well as a subwoofer via the CS-V815's pre out).

Wide Range Amplifier Technology (WRAT) for a Fuller Soundscape

With any compact audio system, finding the right amplifier design will help to generate higher quality sound than a system built purely to meet size specifications. Taking the cue from some of Onkyo's renowned amplifiers and receivers, the CS-V815 incorporates WRAT to achieve three important goals in the pursuit of higher standards in audio: 1) A wider frequency response; 2) Reduced amplifier distortion at high volume; and 3) Better control of current and electro/mechanical kick-back from speakers. WRAT ensures that you'll get the best audio playback quality possible from video and music sources.

Vector Linear Shaping Circuitry (VLSC) for Pure Signal Delivery

The CS-V815 incorporates Onkyo's VLSC, which employs a unique digital-to-analog conversion circuit to mitigate the effect of signal noise. As noise is further magnified by the DAC and surrounding circuitry, it is necessary to effectively remove noise that can adversely affect the signal. VLSC compares the signal between two sampling points, and then joins the points with analog vectors in real-time to create a smooth output wave. This circuitry enables a pulse-noise-free signal based on the digital source.

iPod Playback through Onkyo's Latest Remote Interactive Dock

The next-generation Remote Interactive Dock, the DS-A2, is a valuable partner for the CS-V815. With the ability to accommodate video files alongside audio, the DS-A2 brings out the full potential of the latest iPod models with this A/V system. An on-screen display function enables you to view music track lists and easily navigate your music options via its own included remote control. It even recharges your iPod while it remains powered-on. And like its predecessor, the DS-A1, it brings you even more functions to choose from when connected through the CS-V815's Remote Interactive (RI) terminal.

2-Way, Bass Reflex Speakers Incorporating Onkyo's Own Speaker Developments

The D-N7BX 2-way, bass reflex speakers have a range of Onkyo speaker developments that match this system musically. These speakers feature A-OMF Monocoque—the latest in a series of diaphragm fibers designed to support the piston motion range of the woofer. Compared to its predecessor, A-OMF Monocoque has a twill (cotton weave) that is 30% stronger giving it greater ability to provide support for the woofer's piston motion range. To deliver high frequency sounds with finesse, the speakers include a ring-drive tweeter that has proven to be effective in negating the effects of low-frequency interference emanating from inside the cabinet. Finally, a duct—called the Aero Acoustic Drive—is included to mitigate interference between high and low frequencies. The speaker base and cabinet are separated to further the effectiveness of the duct.

CS-V815

UNIVERSAL A/V RECEIVER SYSTEM

DR-815 [Universal Receiver System]

Receiver Features

- 18 watts per channel minimum into 4 Ω , 1 kHz, IEC (2 channels driven)
- DTS, Dolby Digital, Dolby Pro Logic II decoding
- Vector Linear Shaping Circuitry (VLSC)
- Wide Range Amplifier Technology (WRAT)
- High-current, low-impedance drive
- 192 kHz/24-bit audio DAC
- Advanced 32-bit processing DSP chip
- Discrete output stage circuitry
- Optimum Gain Volume Circuitry
- 2 audio inputs and 1 output
- Front L/R speaker terminals
- Center, surround and subwoofer pre outs
- Tone control (bass/treble)
- 2-Step Super Bass control
- Theater Dimensional virtual surround

Universal Player Features

- Plays DVD-Audio and DVD-Video, DVD-Rs, DVD-RWs, Super Video CDs, Super Audio CDs, MP3-encoded CDs, WMA-encoded CDs, CD-Rs, CD-RWs, Audio CDs, and JPEG-encoded CDs*
- 108 MHz/12-bit video DAC
- SCART connector
- S-Video output
- Composite video output
- Memory playback (24-track programming)
- Disc Navigator for browsing WMA, MP3 and JPEG disc contents
- 3 CD play modes (Normal/Random/Memory)
- Repeat mode
- Resume and last memory
- Multi-aspect ratio (16:9, 4:3)
- Subtitles and language setting
- Parental lock

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

Tuner & Other Features

- 30 FM/AM presets
- Automatic FM/AM scan tuning
- Preset station naming
- RDS (PS/RT)
- On-screen display control
- 4-mode timer (Play or Rec/Once or Every)
- 3-mode display dimmer (bright/normal/low)
- Sleep timer
- Speaker level calibration
- Battery-free memory backup
- Aluminum front panel
- Headphone jack
- Compatible with Remote Interactive Dock for the iPod
- Full-function Remote Interactive (RI) remote control

D-N7BX [2-Way, Bass Reflex Loudspeakers]

- 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
- Magnetically shielded
- Banana plug-compatible binding posts
- Impedance: 4 Ω
- Max. input power: 70 W
- Frequency response: 50 Hz-100 kHz



We control the discharge of harmful waste in production of the A-OMF Monocoque diaphragm.

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ONKYO
IMAGINATIVE SIGHT & SOUND

Onkyo Corporation 2-1 Nishin-cho, Neyagawa-shi, OSAKA 572-8540, JAPAN Tel: +81-72-831-8136 Fax: +81-72-833-5222 <http://www.onkyo.com/>
Onkyo Europe Electronics GmbH Liegitzstrasse 6, 82194 Grobenzell, GERMANY Tel: +49-8142-4401-0 Fax: +49-8142-4401-555 <http://www.eu.onkyo.com/>
Onkyo Europe UK Office Suite 1 Gregories Court, Gregories Road, Beaconsfield, Buckinghamshire HP9 1HQ, UNITED KINGDOM Tel: +44(0)1494-681515 Fax: +44(0)1494-680452 <http://www.onkyo.co.uk>

SPECIFICATIONS

DR-815

AMPLIFIER SECTION	
Power Output	18 W + 18 W (4 Ω , 1 kHz, 2 channels driven, IEC)
Dynamic Power	24 W + 24 W (3 Ω) 21 W + 21 W (4 Ω) 14 W + 14 W (8 Ω)
Total Harmonic Distortion	0.4 % (1 kHz, 1 W)
Damping Factor	70 (Front, 8 Ω , 1 kHz)
Input Sensitivity and Impedance	150 mV/47 k Ω
Line	
Output Level and Impedance	120 mV/2.2 k Ω
Rec out	
Frequency Response	10 Hz-100 kHz \pm 3 dB (Line)
Tone Control	\pm 10 dB, 100 Hz (BASS) \pm 10 dB, 10 kHz (TREBLE) + 4.5 dB, 80 Hz (SUPER BASS 1) + 7.5 dB, 80 Hz (SUPER BASS 2)
Signal-to-Noise Ratio	100 dB (Line, IHF-A)
Speaker Impedance	4 Ω -16 Ω

TUNER SECTION

[FM]	
Tuning Frequency Range	87.5 MHz-108 MHz
Usable Sensitivity	22.2 dBf (IHF)/15.2 dBf (IHF)
Stereo/Mono	
Signal-to-Noise Ratio	67 dB (IHF-A)/73 dB (IHF-A)
Stereo/Mono	
Total Harmonic Distortion	0.5 % (1 kHz)/0.3 % (1 kHz)
Stereo/Mono	
Frequency Response	30 Hz-15 kHz \pm 1 dB
Stereo Separation	40 dB at 1 kHz
[AM]	
Tuning Frequency Range	522 kHz-1.611 MHz
Usable Sensitivity	300 μ V/m
Signal-to-Noise Ratio	40 dB
Total Harmonic Distortion	0.7 %

VIDEO SECTION

Signal System	PAL/NTSC
Composite Video Output/Impedance	1 Vp-p/75 Ω negative sync.
S-Video Output/Impedance	Y: 0.7 Vp-p/75 Ω , negative sync., 4-pin mini DIN C: 0.286 Vp-p/75 Ω
AV Connector (RGB)	1 Vp-p/75 Ω , SCART

AUDIO SECTION

Frequency Response	
DVD Audio	4 Hz-88 kHz (192 kHz)
DVD Linear Sound	4 Hz-44 kHz (96 kHz) 4 Hz-22 kHz (48 kHz)
Audio CD	4 Hz-20 kHz (44.1 kHz)
Wow and Flutter	Below threshold of measurability

GENERAL

Power Supply	AC 230 V, 50 Hz
Power Consumption	75 W
Standby Power Consumption	0.4 W
Dimensions (W x H x D)	205 x 147 x 353 mm
Weight	5.4 kg

D-N7BX

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
Dimensions (W x H x D)	167 x 290 x 246 mm
Weight	3.9 kg