ONKYO
IMAGINATIVE SIGHT & SOUND

A-5VL Integrated Stereo Amplifier

SILVER BLACK

VLSC RI

Color availability depends on region.

Sophisticated Audio Processing in a Space-Saving Design

Beneath the A-5VL's slim and elegant exterior lies a surprising amount of amplification muscle. You might wonder how Onkyo managed to incorporate the functionality of a pre- and power amp into such a slender integrated package. The key is the A-5VL's extremely energy-efficient design. Because it produces much less heat than a typical amplifier, the A-5VL requires only a small heat sink. This leaves ample space for a range of precision-crafted audiophile-grade parts, such as specially audio-tuned capacitors and thick, low-impedance copper bus plates. The A-5VL employs Onkyo's exclusive VLSC™ technology to ensure a smooth, pulse noise-free signal during conversion from digital to analog. You'll enjoy precise and faithful reproduction of any audio source, whether it's a CD, a tuner, or a turntable. As the A-5VL is also compatible with Onkyo's optional RI (remote interactive) Docks for the iPod, you also have the convenience of controlling playback of your iPod via the amplifier's remote controller.

- 90 W/Ch at 4 Ω, 1 kHz, 1 Channel Driven, JEITA
- VLSC (Vector Linear Shaping Circuitry)
- Separate Transformers for L/R Channels
- New Custom-Designed, Audio-Tuned Reference Capacitors
- Burr-Brown (PCM1796) 192 kHz/24-Bit D/A Converters
- Low-Impedance Copper Bus Plates for Perfect Ground Potential
- Optimum Gain Volume Control Circuitry
- Precision Motor-Driven Volume Control
- Tone Control (Bass/Treble On/Off)
- Balance Control (L/R)
- Discrete Phono Equalizer Circuitry (MM/MC)
- Direct Mode
- 4 Audio Inputs and 1 Output
- 2 Digital Inputs (Optical and Coaxial)
- Wide-Spaced, Machined Solid Brass Audio Terminals for High-Grade RCA Audio Cable
- Phono Input (MM/MC)
- Gold-Plated, Banana Plug-Compatible Transparent Speaker Posts
- Speaker A/B Drive
- Bi-Wiring Capability
- Hi-Rigidity, Anti-Resonant Flat Chassis (1.6 mm Thick)
- Heavy-Duty Inlet Power Cord
- Aluminum Front Panel
- Headphone Jack
- Compatible with RI (Remote Interactive) Dock for the iPod*
- RI-Compatible Remote Control

*Depending on the model

A-5VL Integrated Stereo Amplifier

High-Grade Build Quality

The A-5VL is designed from the bottom up to prevent unwanted noise and vibrations from tainting your precious audio signals. For a start, the highly rigid chassis and aluminum front panel create a sturdy exterior that can withstand shelf-borne vibrations. Inside the A-5VL, custom-designed, audio-tuned capacitors help regulate the power supply driving your audio signals. What's more, the A-5VL employs separate transformers for the left and right audio channels. Finally, gold-plated, banana plug-compatible terminals ensure a clean signal transfer to your speakers.

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.

Burr-Brown 192 kHz/24-Bit DACs

The A-5VL incorporates high-quality 192 kHz/24-bit Burr-Brown digital-to-analog converters. These industry-benchmark DACs employ an advanced Texas Instruments architecture (PCM1796) to achieve excellent dynamic performance and improved tolerance to clock jitter.

Optimum Gain Volume Control Circuitry to Preserve Signal Purity

Conventional volume-attenuation methods involve initially dropping a signal close to the noise floor at low volumes. The signal may then be tainted with noise, which subsequently gets amplified along with the signal. Onkyo's Optimum Gain Volume Control Circuitry adjusts the gain so that less than half the typical amount of attenuation is necessary. The signal never comes close to the noise floor, thus averting the possibility of the noise found in conventional designs.

Thick, Low-Impedance Copper Bus Plates for Perfect Grounding

To provide continuous output at full-power, an amplifier requires a large, stable flow of current. Any excess impedance of power at the output stage becomes a hindrance to the instantaneous flow of that current. That's why the A-5VL employs thick (1.5 mm x 5 mm) copper bus plates to achieve an extremely low level of impedance. By contrast, a typical printed circuit board uses beaten copper to deliver its current. As this beaten copper is extremely thin—as thin as 35 µm—it creates a high level of impedance that compromises the quality of the signal output.

iPod Playback Through Onkyo's RI (Remote Interactive) System

With Onkyo's RI system, you can connect other Onkyo components to the A-5VL and operate them through a single remote control. RI capability also gives you the opportunity to integrate the iPod with the A-5VL through an Onkyo RI Dock for the iPod.

SPECIFICATIONS

Amplifier Section	
Power Output	90 W/Ch (8 Ω, 1 kHz, 1 channel driven, JEITA)
Dynamic Power	115 W (3 Ω) 90 W (4 Ω) 45 W (8 Ω)
Total Harmonic Distortion	0.08% (1 kHz, 8 Ω, 1 W Output)
Damping Factor	60 (1 kHz, 8 Ω)
Input Sensitivity and Impedance	
Phono MM	2.4 mV/47 kΩ
LINE	200 mV/33 kΩ
Output Level and Impedance	200 mV/2.2 kΩ (Rec Out)
Phono Overload	60 mV (MM, 1 kHz, 0.5%) 6 mV (MC, 1 kHz, 0.5%)
Frequency Response	5 Hz–60 kHz (+1, -3 dB, CD)
Tone Control	+14 dB, -14 dB, 100 Hz (Bass) +12 dB, -12 dB, 10 kHz (Treble)
Signal-to-Noise Ratio	100 dB (LINE, IHF-A), 70 dB (Phono, IHF-A)
Speaker Impedance	4 Ω–16 Ω
General	
Power Supply	AC 220–240 V~, 50/60 Hz
Power Consumption	75 W
Dimensions (W x H x D)	435 x 80 x 340 mm
Weight	10.2 kg
■ CARTON	
Dimensions (W x H x D)	562 x 212 x 448 mm
Weight	13 kg

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