A Superb Series Offering Dedicated Audio Engineering with Versatile Music Playback

Without a doubt, digital technology is making some noise in the audio industry. But rest assured that any noise—particularly signal noise—is noticeably absent from the A-933 integrated amplifier and C-733 CD player thanks to Onkyo’s commitment to promoting the clearest signals through its proprietary technologies like VL Digital, VLS (Vector Linear Shaping Technology) and Direct Digital Path. The A-933’s dual toroidal power transformers and thick bus plate support a large, stable flow of current and also work to reduce impedance. The C-733 CD player’s impressive engineering enables a super signal-to-noise ratio ensuring supreme playback quality. Capping off this series is the T-433 FM/AM RDS tuner, which uses RDS and Acculock to deliver radio frequencies that will surprise you with their precision and clarity. Use these components as they best meet your needs.

### A-933 [Integrated Amplifier]

- **Digital Technology:** VL Digital, VLS (Vector Linear Shaping Technology), Direct Digital Path
- **Power Transformers:** Dual toroidal
- **Bus Plate:** Thick
- **Impedance Reduction:** Reduces impedance
- **Bass:** AccuLock

### C-733 [CD Player]

- **Signal-to-Noise Ratio:** 97 dB (LINE, IHF-A)
- **Frequency Response:** 5 Hz-20 kHz
- **Input:** Phono, Audio, Line, Optical
- **Output:** Line, Subwoofer, Pre-out
- **Tuner Frequency Range:** 522 kHz-1,611 kHz
- **Usable Sensitivity:** 50 dB (AM), 57.5 dB (FM)
- **Signal-to-Noise Ratio:** 50 dB (AM), 75 dB (FM)

### T-433 [FM/AM RDS Tuner]

- **Features:**
  - 30 FM/AM presets
  - Automatic FM/AM scan tuning
  - Selectable character display
  - RDS (CT/PS/RT) and accuLock
  - A-933 remote compatible
  - 5-mode timer
  - AccuLock
  - Hi-rigidity, anti-resonant chassis
  - Blue FL display
  - Brushed hairline aluminum front panel

### Specifications

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<th>T-433</th>
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<td><strong>Output</strong></td>
<td><strong>Tune</strong></td>
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<tr>
<td>Analog</td>
<td>Optical</td>
<td>FM Stereo/FM Mono</td>
</tr>
<tr>
<td>Phono</td>
<td>Telephone</td>
<td>0.3 % (1 kHz)/0.2 % (1 kHz)</td>
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<tr>
<td>Audio</td>
<td>Line</td>
<td>70 dB (IHF-A)/76 dB (IHF-A)</td>
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<td>Subwoofer</td>
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<td><strong>Frequency Response</strong></td>
<td><strong>Signal-to-Noise Ratio</strong></td>
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<td>5 Hz-20 kHz</td>
<td>50 dB (AM), 75 dB (FM)</td>
<td>50 dB (AM), 75 dB (FM)</td>
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<tr>
<td><strong>Signal-to-Noise Ratio</strong></td>
<td><strong>Output Sensitivity</strong></td>
<td><strong>Frequency Response</strong></td>
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<tr>
<td>97 dB (LINE, IHF-A)</td>
<td>250 mV</td>
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<tr>
<td><strong>Dynamic Range</strong></td>
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<tr>
<td>87.50 MHz-108.00 MHz</td>
<td>50 dB</td>
<td>30 Hz-20 kHz</td>
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<tr>
<td><strong>Usable Sensitivity</strong></td>
<td><strong>Signal-to-Noise Ratio</strong></td>
<td><strong>Frequency Response</strong></td>
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<tr>
<td>1.0 µV (75 Ω)</td>
<td>50 dB</td>
<td>30 Hz-20 kHz</td>
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<tr>
<td><strong>Signal-to-Noise Ratio</strong></td>
<td><strong>Output Sensitivity</strong></td>
<td><strong>Frequency Response</strong></td>
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<tr>
<td>108 dB</td>
<td>250 mV</td>
<td>30 Hz-20 kHz</td>
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</table>

Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without notice.
A-933 (Integrated Amplifier)

**Amplifier Features**
- 80 W/Ch into 4 ohms, 1 kHz, DIN
- Exclusive Onkyo VL (Vector Linear) Digital technology
- All discrete output stage circuitry
- Dual toroidal power transformers for power and low impedance
- Low impedance thick bus plate

**Audio Features**
- Tone control (Bass/Treble/Super Bass)
- Source direct mode
- 8 audio inputs and 2 outputs
- Main in terminal
- Subwoofer pre out
- Linear motor volume control
- Selectable speaker A/B outputs
- Banana-plug-compatible speaker posts

**Other Performance Features**
- Headphone jack
- High-rigidity chassis (1.6 mm)
- Brushed hairline aluminum front panel
- Full-Function RF (Remote Interactive) remote control

**Low-Impedance, Thick Bus Plate and Separate Toroidal Transformers**
The A-933’s transformers are separated for both + and – power sources. Through the thickness of the transformer’s coil and by the sheer size of the transformers, it is possible to significantly reduce impedance. Also, the thick bus bar plate diminishes fluctuations in the electrical potential and eliminates ground hum for more efficient power distribution, reduced noise, and crisper sound.

**Selectable A/B Speaker Outputs**
With two sets of two-channel speaker outputs on the rear panel, it is possible to set up two separate environments for playback. Through the use of the Speaker A and Speaker B buttons on the front panel, each zone can be instantly selected or both can be engaged for enjoyment in both zones.

All Discrete Output Stage Circuitry
Mini-systems made by our cost-cutting competitors typically employ just one circuit at the output stage. With multiple transistors crammed onto this single circuit, excess heat is generated and the audio signal is compromised. The A-933, though, uses discrete amplifier technology similar to that found on our high-end receivers. Keeping the transistors separate at the output stage enhances cooling, so that the amplifier’s longevity is extended and unwanted interference to the audio signal is reduced.

C-733 (CD Player)

**Audio Features**
- High-Precision Clock (±1.5 ppm)
- Plays music CD, CD-R and CD-RW
- VLSC (Vector Linear Shaping Circuitry)
- 192 kHz/24-bit DACs
- DLA Link
- 2 optical digital outputs
- 25-track programming
- Repeat/random/memory playback

**Other Performance Features**
- Ultra-smooth CD loading mechanism
- Direct Digital Path
- High-rigidity, anti-resonant chassis
- Blue FL display
- Heavy-duty power cord
- Brushed hairline aluminum front panel

**VLSC (Vector Linear Shaping Circuitry)**
Conventional D/A conversion methods reduce digital pulse noise at the conversion stage but can’t remove it completely. Using a similar process to VL Digital technology, VLSC generates a pure analog signal from the digital signal ensuring that sound quality from CD, CD-RW, and MP3 CD is optimized.

**Exclusive Direct Digital Path**
Unlike other CD players that use PC-copper board traces to transfer the digital audio signal, the C-733 CD player employs a high-purity, heavy-gauge shielded cable to directly output the digital bitstream straight from the disc to the back panel. The result is a noise-free digital audio signal that is less susceptible to flux.

**Cirrus Logic 192 kHz/24-Bit Digital-to-Analog Converter**
Onkyo engineers have incorporated the Cirrus Logic CS4396 high-performance 192 kHz, 24-bit digital-to-analog convertor (DAC) in the C-733 because it best serves our design philosophy: the substantial reduction of both noise and signal distortion. We also found that it integrates effectively with Vector Linear Shaping Circuitry (VLSC). This DAC has a multi-bit architecture that significantly lowers out-of-band noise and jitter sensitivity than traditional 1-bit designs, and it also enables low noise and distortion at all signal levels. Another advantage of this DAC is that it enables the C-733 to achieve a dynamic range of 96 dB.

**High-Precision Loading Mechanism**
Dokin engineers have found that vibrations caused by the rotating disc and mechanism can significantly deteriorate playback quality, which is why they developed a high-precision loading mechanism. Conceptually, as vibration is controlled within a musical instrument for tone and timbre, this loading mechanism is designed to eliminate unnecessary vibration.

**Digital Servo for Optimum Servo Amounts**
The C-733’s Digital Servo Control maintains stable tracking, laser focus, and disc rotation—all with higher precision and lower radiated noise than non-serve units.