Audio Features

• Hi-bit32 Audio Signal Processing
• 192 kHz/32-bit Twin DAC
• Winding Specialized for Audio
• Auto Level Control
• Sound Retriever

Construction

• Acoustic Damper Tray
• Twin Transformer
• Direct Construction with Separate Shield Structure
• Aluminium Front Panel
• Rigid Under Base Construction
• Thick Cable Compatible

Playback Features

• Media & Formats
• DSD Disc Playback
• iPod/iPhone/iPad Digital Transmission
• Front USB Input for Memory Audio
• Pure Audio Listening Mode
• Digital Input (Optical/Coaxial) Terminals

Specifications

Applicable models displayed in icons:

- PD-50-K/-S
- PD-30-K/-S
- PD-10-K/-S

For Europe/General Area
Hi-bit32 Audio Signal Processing

The technology works to create undistorted sound, bringing out the best in the 32-bit DAC. Using Pioneer-original algorithms, Hi-bit32 Audio Processing expands the input bit signals to create a natural and analogue-like waveform, reproducing rich audio even from extremely minute signals. High-resolution 192 kHz/24-bit audio sources can be expanded to 192 kHz/32-bit signals.

192 kHz/32-bit Twin DAC

To process high-density signals from the SACD, twin 192 kHz/32-bit D/A converters are used on the SACD players. They are parallel-connected for improved audio performance, to reproduce minute musical nuances in master sound quality.

Winding Specialized for Audio

The power transformers feature winding especially made for audio-use, providing an exclusive power system for audio processing. This allows extra margin in the driving power for the block following D/A conversion — the vital point in audio quality — allowing a smooth creation of the sound field.

Auto Level Control

Auto Level Control equalises volume level differences between tracks when playing music from an iPod or other sources. The playback volume is maintained at a consistent level, so there is no need to make adjustments for each song.
Sound Retriever

The SACD players come with the Sound Retriever, which significantly improves the sound quality of compressed audio — such as WMA, MPEG-4 AAC, and MP3 — to the level of CD sound. This Pioneer-exclusive technology applies a special algorithm to restore the signals in barely audible ranges, which are eliminated during the compression process.
Acoustic Damper Tray

The tray with springs is designed to reduce mechanical noise from the spinning disc, and also prevents external vibrations and resonance from affecting the sound quality.

Twin Transformer

Twin transformers with practically no magnetic leakage are built into the power supply, allowing powerful audio and increased S/N ratio at even extremely low frequencies.

Direct Construction with Separate Shield Structure

The SACD players feature a separate shield structure which completely isolates the audio block from the digital/servo power block. Yet, the shortest and simplest paths are provided for signal transmission with Pioneer’s Direct Construction. The result is minimum noise and distortion for crystal clear audio reproduction.

Aluminium Front Panel

The brushed hairline aluminium front panel gives a touch of elegance that goes with any room décor, while also providing rigidity for a clear and stable audio performance.

Rigid Under Base Construction

The SACD player adopts the Rigid Under Base, Pioneer’s high-quality sound technology for 2-channel components, which works to eliminate external vibrations, providing steady bass reproduction.

Thick Cable Compatible

The included AC power cable can be detached and replaced with a thicker cable. The terminals are also spaced apart* to easily accommodate thick cables for your system upgrade.

* PD-50 only
Media & Formats

The SACD players are compatible with MP3, WMA, and MPEG-4 AAC* audio files and DSD discs**, providing audio playback from disc media such as SACD, CD, CD-R, CD-RW, DVD-R, and DVD-RW.

* Except for PD-10
** PD-50 only

DSD Disc Playback

Direct Stream Digital (DSD) is the format used for storing extremely high-resolution audio signals on SACDs. The SACD player is compatible with up to 2.8 MHz of DSD’s DSF format.

Digital Audio from iPod/iPhone/iPad

Enjoy music from your iPod/iPhone/iPad via digital connection, and also charge your device. The audio signals are directly transferred to the SACD player’s high-performance DAC, offering superior sound compared to analogue connections. You can operate your device with the SACD player’s remote control.

For details on iPod compatibility, visit http://pioneer.jp/homeav/support/ios/eu

Front USB Input for Memory Audio

The USB input terminal on the front panel allows straightforward connection for a USB memory stick. This plug and play connectivity lets you easily play music files such as MP3, MPEG-4 AAC*, and WMA.

* Except for PD-10

Pure Audio Listening Mode

Pure Audio Listening mode switches off the digital circuitry and the FL display to provide the purest analogue sound reproduction.

Digital Input (Optical/Coaxial) Terminals

The SACD player is equipped with optical and coaxial digital input terminals, letting you connect other digital players for quality audio playback using the SACD player’s high-grade DAC.
## Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>PD-50-K/-S</th>
<th>PD-30-K/-S</th>
<th>PD-10-K/-S</th>
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</thead>
<tbody>
<tr>
<td><strong>SACD</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency Response</td>
<td>4 Hz-50 kHz</td>
<td>4 Hz-50 kHz</td>
<td>4 Hz-50 kHz</td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>117 dB</td>
<td>117 dB</td>
<td>117 dB</td>
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<tr>
<td>Dynamic Range</td>
<td>108 dB</td>
<td>108 dB</td>
<td>108 dB</td>
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<tr>
<td>THD</td>
<td>0.0020 %</td>
<td>0.0020 %</td>
<td>0.0020 %</td>
</tr>
<tr>
<td><strong>CD</strong></td>
<td></td>
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<tr>
<td>Frequency Response</td>
<td>4 Hz-20 kHz</td>
<td>4 Hz-20 kHz</td>
<td>4 Hz-20 kHz</td>
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<td>117 dB</td>
<td>117 dB</td>
<td>117 dB</td>
</tr>
<tr>
<td>Dynamic Range</td>
<td>100 dB</td>
<td>100 dB</td>
<td>100 dB</td>
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<tr>
<td>THD</td>
<td>0.0022 %</td>
<td>0.0022 %</td>
<td>0.0022 %</td>
</tr>
<tr>
<td>Power Requirement</td>
<td>220-240 V 50 / 60 Hz</td>
<td>220-240 V 50 / 60 Hz</td>
<td>220-240 V 50 / 60 Hz</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>41 W</td>
<td>37 W</td>
<td>29 W</td>
</tr>
<tr>
<td>Power Consumption during Standby</td>
<td>0.45 W</td>
<td>0.45 W</td>
<td>0.45 W</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>435 x 130 x 329 mm</td>
<td>435 x 128 x 329 mm</td>
<td>435 x 128 x 329 mm</td>
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<tr>
<td>Weight</td>
<td>7.8 kg</td>
<td>5.6 kg</td>
<td>5.2 kg</td>
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