GENERAL

akai dps24

Published: September 19, 2026 | Index ID: #-

In the ever evolving world of music production, the quest for the perfect audio interface often feels like chasing a moving target. Every new release promises to push the boundaries of sound quality, workflow efficiency, and creative flexibility. Among the latest contenders, the **Akai DPS24**has quickly become a buzzword in studio forums, YouTube reviews, and professional audio blogs. Whether you're a seasoned producer, an aspiring home studio owner, or a live sound engineer, understanding what makes the Akai DPS24 stand out is essential before you decide to invest.

Overview of Akai DPS24

The **Akai DPS24**is not just another audio interface; it's a comprehensive digital signal processing (DSP) workstation that integrates seamlessly with your Digital Audio Workstation (DAW). Designed for versatility, the DPS24 offers 24 input channels, a broad range of connectivity options, and an intuitive routing matrix that turns complex signal paths into a single touch. Its compact footprint and rugged build make it suitable for both studio and mobile setups.

What is the DPS24?

The DPS24 is Akai's flagship DSP powered audio interface. It combines 24 high fidelity analog inputs and outputs with an onboard DSP engine capable of running real time effects, virtual instruments, and sample libraries. This hybrid approach means you can offload processing from your computer, freeing up CPU resources for other tasks.

Key Features

- 24 analog input channels with high quality preamps.
- Up to 24 bit/192 kHz audio resolution.
- Built in DSP engine supporting 32 bit floating point processing.
- USB C connectivity for high speed data transfer.
- Intuitive software control panel with customizable presets.
- Support for multiple DAW platforms (Ableton Live, Logic Pro, Pro Tools, etc.).
- Low latency monitoring with zero latency passthrough.
- Expandable routing matrix for complex signal paths.
- Robust metal chassis with detachable power supply.

Hardware Design and Build

Build Quality

Akai has long been known for its durable gear, and the DPS24 is no exception. The interface is housed in a solid aluminum chassis that resists vibration and protects sensitive components. The metal construction also contributes to the device's excellent thermal management, keeping the internal temperature stable even during extended sessions.

Connectivity

The DPS24 features a single USB C port that delivers both power and data. This simplifies cable management, especially for mobile setups. In addition to the main USB C connection, the interface offers a host of analog I/O

options: 24 XLR/¼ inch combo jacks, 8 balanced TRS line outputs, and a dedicated headphone jack with a 48 V phantom power switch.

Design

While the DPS24 is a powerful workstation, its design remains user friendly. The front panel includes large, clearly labeled buttons for quick access to commonly used functions such as mute, solo, and level control. The back panel is organized into logical groups—inputs, outputs, and auxiliary routing—making it easy to navigate even in the heat of a live performance.

Audio Performance

DSP Capabilities

The heart of the DPS24 lies in its DSP engine. With 32 bit floating point processing, the interface can run complex effects chains, virtual instruments, and sample libraries directly on the device. This offloading capability is a game changer for producers who run large sample libraries on their computers and want to reduce CPU load.

Sample Rate

Whether you're working in a professional studio or a home setup, the DPS24 supports a full range of sample rates from 44.1 kHz up to 192 kHz. This flexibility ensures that the interface can accommodate any project, from vinyl grade recordings to high resolution audio for film.

Latency

Latency is a critical factor for real time monitoring. The DPS24's zero latency passthrough mode allows you to monitor your input signals directly through the interface's headphone output without any audible delay. For most DAWs, the interface also offers low latency driver options that keep latency well below 1 ms.

Software Integration

DAW Compatibility

The DPS24 is engineered to work flawlessly with a wide range of DAWs. Whether you're using Ableton Live, Logic Pro X, Pro Tools, Cubase, or FL Studio, the interface's drivers are optimized for each platform. Akai provides a dedicated control surface plugin that maps the DPS24's controls to your DAW's parameters, enabling hands on manipulation of mix levels, effect parameters, and more.

Drivers

Akai offers both Windows and macOS drivers that support ASIO and Core Audio, ensuring the highest possible performance. The drivers are regularly updated to improve stability, add new features, and enhance compatibility with the latest operating system releases.

Plug in Suite

Included with the DPS24 is a suite of high quality plug ins that run natively on the DSP engine. These plug ins include reverb, delay, compression, EQ, and more, allowing you to apply professional grade effects without taxing your computer's CPU.

Use Cases

Studio Recording

For studio musicians and producers, the DPS24's 24 input channels mean you can capture a full band in one take. The high quality preamps provide a clean, transparent signal path, and the onboard DSP can run real time monitoring plugins so you can hear exactly what the mix will sound like.

Live Performance

Live sound engineers appreciate the DPS24's robust build and low latency monitoring. The interface can route multiple instruments and microphones to a PA system, apply real time effects, and provide a clean headphone mix for performers—all without relying on a laptop.

Home Studio

Home studio owners often face limited desk space and budget constraints. The DPS24's compact design and all in one DSP capabilities make it an ideal choice for those who want studio grade performance without the need for an external rack of processors.

Podcasting

Podcasters can benefit from the DPS24's high fidelity audio and built in effects. The interface can handle multiple microphones, apply compression and EQ on the fly, and route the final mix to a recording device or streaming platform.

Comparison with Other Akai Devices

DPS24 vs DPS12

The Akai DPS12 is a more entry level device with 12 input channels and a smaller DSP engine. While the DPS12 is great for basic recording needs, the DPS24's 24 channel capacity and expanded DSP power make it a better fit for larger projects and complex routing scenarios.

DPS24 vs Other Brands

When compared to competitors such as the Focusrite Clarett Saffire 2 or the Universal Audio Apollo series, the DPS24 offers a unique blend of affordability, versatility, and DSP capability. Unlike many high end interfaces that rely solely on software plugins, the DPS24's onboard DSP allows for real time processing without burdening the host computer.

Tips for Getting the Most Out of Akai DPS24

Setup

1. Install the latest drivers from Akai's website to ensure optimal performance.
2. Configure your DAW's audio preferences to recognize the DPS24 as the default input and output device.
3. Map your MIDI controllers if you use external hardware for live performance or studio control.

Routing

The DPS24's routing matrix is a powerful tool. By assigning inputs to specific outputs, you can create custom monitoring mixes, apply effects to individual tracks, or set up a full band rehearsal setup. Experiment with the matrix to discover the routing possibilities that best suit your workflow.

Presets

The interface's software panel includes a library of presets for different genres and recording scenarios. Save your own custom presets for quick recall, especially when switching between projects or performing live.

Firmware Updates

Akai periodically releases firmware updates that enhance performance, add new features, or fix bugs. Keep your DPS24's firmware up to date by checking the Akai website regularly and applying updates through the software control panel.

Frequently Asked Questions

Is the DPS24 compatible with macOS Big Sur and later?

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