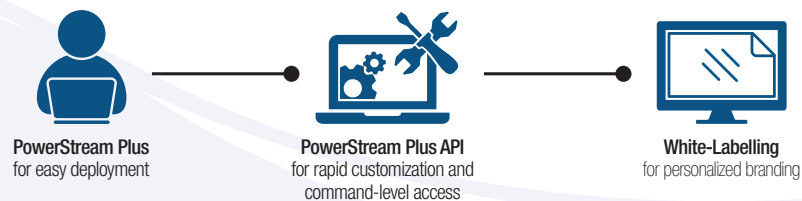New from Matrox

Maevex PowerStream Plus Software and APIs
Complete Reach and Control

Matrox PowerStream Plus™ is the most advanced AV-over-IP software management tool on the market, a game-changer in terms of software and system capabilities. This powerful software application provides complete reach and control over the entire Maevex network topology through an easy-to-use interface.

Boasting compatibility with the complete Maevex family of products—Maevex 6100 PCIe® encoder card as well as the extant Maevex 5100 encoders and decoders—PowerStream Plus delivers remote control over all network-connected units from one central location. Operators gain flexibility over all network connections—zoom out for a macro-level overview of the entire Maevex infrastructure, and drill in on particular units or groups to fine tune parameters for each stream within a given device.

PowerStream Plus lets you choose from three levels of implementation to best suit your needs:

PowerStream Plus
for easy deployment

PowerStream Plus API
for rapid customization and command-level access

White-Labelling
for personalized branding

Easy Deployment With PowerStream Plus

PowerStream Plus offers plug-and-play functionality and full access to the complete feature set immediately after download with a mature and easy-to-use user interface. The complimentary software renders all Maevex 6100 and 5100 encoders and decoders entirely configurable and manageable from a single interface, accessible from anywhere on the network. The software's easy and intuitive management allows you to:

- Simplify set-up with auto discovery of any Maevex unit on the subnet, and easy manual addition for units outside the subnet.
- Control what features users can access by establishing credentialed profiles for any system operator.[1]
- Fine-tune encode/decode parameters and adjust bitrates for any stream.[1]
- Stream via multiple protocols (RTP, RTSP, MPEG2.TS, with RTMP coming soon).[1]
- Record or schedule recording to a shared network drive or NAS; access content on-demand at a later time.[1]
- Group encoders and/or decoders and identify groups by name; adjust settings for multiple selected units and configure to the same parameters.
- Manage inputs and Chroma sub-sampling pixel formats.[1]
- Choose preconfigured composite outputs such as picture-in-picture (PIP) and mosaic.[1]
- Manage and save favorite configurations and apply to other devices.[1]
- Adjust, scale, and crop content to suit different outputs and ensure pristine visuals for all transmissions.

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- Deliver Simple Network Management Protocol (SNMPv2) support for network administration and management.[1]

- Access an unlimited number of streams through third-party technology like streaming media servers, content delivery networks (CDNs), and more, ensuring your system receives the content it requires.

- Balance display quality needs with bandwidth demands to optimize performance.[2]

- Switch channels or streams at each decoder without need for additional equipment.[2]

- And much more…

The separate Maevex Firmware Updater tool ensures you are always running the most current version of the software and allows for system-wide or chosen deployment from a single software tool. PowerStream Plus is a Windows®-based platform and will soon work on Linux and other operating systems.

Rapid Customization With PowerStream Plus API

Available upon request, the PowerStream Plus API grants integrators and developers command-level access to build their own Maevex control application and/or to integrate Maevex functionality in existing or even third-party applications.

The Maevex PowerStream Plus API allows access to the entire application feature set and supports a range of customization options, ranging from the creation of a straightforward, single-function application to full integration of all PowerStream Plus features into your own mirrored application.

The level of complexity is up to you—simple coding can enable you to integrate the existing PowerStream Plus decoder source selection feature and build a simple switching grid to change channels via touchscreen, for example. Need deeper customization? Select from the complete PowerStream Plus feature set to incorporate specific required functionality and develop a software application of your own design or embed features of PowerStream Plus into existing control applications to simplify and allow more familiarity for users and operators.

Whatever your needs, our advanced PowerStream Plus API is based on the easy-to-use .NET framework (4.5 or higher) for easy application and familiar programming.

Re-Branding Solutions

Matrox's simple white-label option lets OEMs and integrators customize the graphic appearance of the PowerStream Plus user interface for brand consolidation. The white-label toolkit allows for easy re-branding of our software with your naming, logos, colors, and corporate identity for complete corporate integration.

1. Maevex 6100 Series.
2. Maevex 5100 Series.

Contact Matrox to Learn More or to Receive Free API Access
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About Matrox Graphics Inc.
Matrox Graphics is a global manufacturer of reliable, high-quality ASICs, boards, appliances, and software. Backed by in-house design expertise and dedicated customer support, Matrox products deliver stellar capture, extension, distribution, and display. Engineering high-quality products since 1976, Matrox technology is trusted by professionals and partners worldwide. Matrox is a privately held company headquartered in Montreal, Canada. For more information, visit www.matrox.com/graphics.

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