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Analog Way announces Pulse²

October 2013 – Analog Way is excited to introduce Pulse², a new versatile Mixer / Native Matrix Switcher. Pulse² is based on Analog Way's new Midra™ platform, the core of a brand new line of mid-range Mixers / Seamless Switchers. The Midra™ platform consists of 6 products: QuickVu, QuickMatriX, SmartMatriX², Saphyr, Eikos² and Pulse².

Analog Way is pleased to renew its line of mid-range Mixers Seamless Switchers with the **Midra™** platform. Based on **Midra™**, the **Pulse²** offers a new design and innovative functionalities, including some advanced features inherited from the **LiveCore™** series, **Analog Way's** range of Premium Presentation Mixers.

A new architecture

Compared to the **Pulse** which was launched in 2009, the new **Pulse²** benefits from several major improvements, bringing the product to the next level. **Pulse²** comes in a 2RU enclosure with a deeper chassis, ensuring better air circulation and cooling of the device.

The product offers upgraded connectivity, through 8 seamless inputs and 14 input plugs: 4 x Universal Analog, 4 x DVI-D, 4 x HDMI and 2 x 3G-SDI plugs. Thanks to the CleanCut effect, the **Pulse²** can operate fast and seamlessly switch between any of its 14 input plugs without fade through black or loss of sync.

EDID management is now standard for inputs 1 through 6 for computer sources.

Pulse² features a matrix mode with 2 outputs. To fit any display resolution, including non-standard formats like LED walls and rear-projection cubes, **Pulse²** offers custom output format management.

Ultra-performing processing with smart functionalities

Thanks to optimized programming and a new architecture, the **Pulse²** offers Fast Seamless Switching, with a 50% speed gain in control parameter response. The de-interlacing process on the **Pulse²** was significantly improved, similar in quality to the process available on the **LiveCore™** series.

Pulse² offers two frame layers, with background and foreground positions. Thanks to the new Quick Frame function, a foreground frame can quickly hide all other layers when necessary.

Preset management was also optimized, and the **Pulse²** offers smart functions such as Swap and Split. Available using hot keys, these functions allow users to switch between a PIP and a live background source (Swap), or the display of two PIPs side-by-side on a colored or frame background (Split).

Advanced audio management

Major new assets available on the **Midra™** generation of Mixers Seamless Switchers also include advanced management of audio and embedded audio. The **Pulse²** can easily embed or de-embed digital audio on HDMI and DVI-D connectors on inputs and outputs, ensuring better processing and quality of the video and audio mix.



The signal to noise ratio was notably improved, and fine-tuning of the gain on analog signals can be easily made through a comprehensive audio section available on the machine user interface. Routing mode allows the audio of any input to be associated to any output.

[A new user interface: the RCS²](#)

The **RCS²** is a user-friendly graphic interface designed for the **Midra™** platform, and inspired by the **Web RCS** of the **LiveCore™** series.

As an AIR application, the **RCS²** is compatible with Windows, Mac OS and Linux. It offers 3 main sections to setup and control the **Pulse²**: Setup, Edit and Live.

The section to control audio signals includes the main elements of an audio console, including a potentiometer and a VU meter.

The **Midra™** series can also be controlled by several **Analog Way's** Remote Controllers, including **Orchestra** and **Vertige** (available 1st semester 2014).

All products based on the **Midra™** platform received Underwriters Laboratories (UL) certification.

Analog Way's new **Pulse²** will be demonstrated at several international tradeshows starting October 2013: InfoComm Middle East & Africa (United Arab Emirates – Booth #TA-115), Satis (France – Booth #D65) and LDI (United States of America – Booth #2231).

Analog Way, Pioneer in Analog, Leader in Digital

Analog Way is a leading designer and manufacturer of presentation switchers and image converters with worldwide locations. The company designs a wide range of computer to video scan converters, scalars, seamless switchers and up/down converters. The products provide the most advanced solutions in the Broadcast, AV, Rental & Staging, Church, Corporate and Industrial markets.

