

# Ignite Konnect

## INTEGRATION OF KAYENNE & KALYPSO SWITCHERS WITH IGNITE PRODUCTION AUTOMATION

With Ignite Konnect, you can integrate your existing E-MEMs, macros, and timelines. You can use both Ignite Konnect and Kalypso simultaneously or partition the switcher resources with Kayenne's Suites mode. With Ignite Konnect, you decide on the level of automation you need.



Today's news organizations face a challenging competitive and economic environment where fewer people have to do more to get stories on-air.

With Ignite™ Konnect from Grass Valley™, you can now take your existing Kayenne™ and Kalypso™ switcher and move confidently from manual switcher operation to a flexible Ignite production automation solution that supports the effects already built into your existing Grass Valley switcher, choosing the level of automation that best suits your specific workflow.

### Fast-paced, Consistent, and Error Free

The Ignite Konnect live production automation system is a software and hardware system that allows you to cost-effectively produce more live content, speeds your transition to digital production, improves your station's on-air look and feel, and virtually eliminates technical errors.

Ignite Konnect is an event-based system that allows you to quickly execute complex production elements in any order, producing a consistently better paced, higher-quality live production. Each event can execute multiple production tasks—usually performed by individual operators at separate workstations—with the press of a single button, thereby eliminating errors caused by multiple operational processes. Unlike other automation systems which merely trigger external MOS lists, requiring additional workstations, Ignite Konnect extracts the production data directly from the Newsroom Computer System (NRCS) keeping all on-air play-out elements in sync.

### Get Breaking News to Air First, Whenever It Happens

The Ignite Konnect system's flexible event management and options for manual control make it perfect for non-scripted events, such as election coverage, talk shows, live entertainment segments, and late-breaking news stories. Ignite Konnect gives you the power and flexibility to store complex

production events within late breaking news (LBN) buttons which can be immediately recalled within an existing list of events, or completely independent of the NRCS rundown...all with the press of a single button.

When news breaks during off-hours, Ignite Konnect LBN technology means you never have to wait for your news production staff to get to the studio to get on-air. You can easily train any number of people to be able to execute the pre-built LBN production events, getting you on-air faster with breaking news, no matter when it happens.

### Transition to Automation at Your Own Pace

Choose how much you want to automate and when. By adding automation modules as you need them, you can transition easily from manual to automated operation. To ensure a comfortable transition, you can even use both systems simultaneously during production.

## KEY FEATURES

- Tie multiple systems together to meet your automation needs, including audio mixers, video servers, graphics, and robotic cameras
- Move to flexible control room automation without changing your existing switcher workflow
- Add automation modules as you need them
- Operate both Ignite Konnect and switcher functions seamlessly during productions
- Use the effects you've already built—and from the Ignite Konnect UI directly control E-MEMs, macros, timelines, transitions, bus routes, and M/E partitions
- Access new features in the Kayenne switcher such as Source Rules and Suites mode
- Integrate industry-driven MOS workflows
- Efficiently repurpose content for Web and mobile in combination with MediaFUSE®

Ignite Konnect leverages the power of your existing Kalypso or Kayenne switcher. Tap into Kayenne's and Kalypso's powerful DoubleTake™ split M/E architecture, which provides two independent output streams per mix effect with keyers for secondary digital or archive channels. Use the effects you've already built—such as E-MEMs, macros, timelines—and group or independently recall Local M/E or Master E-MEM levels with direct control of transition, bus routes, and partitions. Access to Kayenne's innovative Source Rules allows source-to-keyer associations to be recalled with an Ignite Konnect source route. With Ignite Konnect, switcher automation is not an "all or nothing" proposition: Kayenne's Suites mode lets you partition switcher resources so that only a portion of the switcher is under automated control.

### Grow the System as Your Operations Expand

With changing economic conditions, scalability can become a key competitive advantage in your market. Ignite Konnect easily handles the production demands of highly rated large-market stations with fast-paced dynamic changes, while

providing the same benefits of control room automation and consistent, ratings-winning production quality using a scaled down system in small and medium markets. Ignite Konnect can also be used in corporate and educational applications to cost-effectively produce more content utilizing the latest production tools and automated techniques.

### Automate Audio As Well As Video

While other solutions may only do very simplistic audio-follow-video routing, Ignite Konnect is designed to perform complex audio operations through its internal GUI at a level traditionally found only with external audio mixer panels. With the addition of an optional audio mixer, Ignite Konnect can manage the mix, timed transition, and aux routing of all audio sources without the need for a separate audio operator.

### Uninterrupted Operations

Ignite Konnect redundancy options give you the security necessary to maintain uninterrupted on-air operations. The partially redundant system offers CPU backup with security for the most critical functions in control room automation.

The partial redundant system can be configured with a secondary workstation so that you can prep one show while producing another.

### Web and Mobile Content Distribution

Create new revenue streams by easily and cost-effectively distributing content to Web and mobile devices live or on-demand with MediaFUSE.

MediaFUSE simultaneously streams "live" alternative Web-approved content while automatically segmenting and publishing stories immediately after they air—but before the show ends—for immediate on-demand access that includes pre- and post-roll stitched ads. The Ignite Konnect event-based system allows a producer to incorporate segmentation information throughout the entire broadcast production process, thereby eliminating the need to re-cut the material before distribution on new platforms. Ignite Konnect also allows the director to add descriptive data, such as URL links at specific times, for later use in creating on-demand clips, requiring no additional manual intervention for distribution.

## SPECIFICATIONS

### Device Control

**Control Ports:** Up to 32 – for cameras, VTR/servers, CG/SS, etc.

**Signal Type:** RS-232, RS-422 (software selectable)

**Serial Interface:** RS-232, RS-422 – RJ-45 (8-pin)

### Klotz Audio Option

#### I/O

**Audio inputs:** up to 96

**Audio outputs:** up to 48

#### Dynamics

- Digital mixing/mix-minus
- Gain control
- Compressor, expander/gate, and limiter
- Parametric equalizer

#### Dynamic Range

**Analog line output @ unity gain (RMS) source impedance = 600Ω:** 111 dB

**Analog line input, unity gain (RMS) max. input level = +15 dBu:** 103 dB

### Frequency Response

**Analog line output 20 Hz to 20 kHz:** –0.15 dB

**Analog line input 20 Hz to 20 kHz:** ±0.05 dB

#### Crosstalk

**Analog line output 20 Hz to 20 kHz:** –95 dB

**Analog line input 20 Hz to 20 kHz:** –97 dB

#### THD+N

**Analog line output 20 Hz to 20 kHz:** 0.02%

**Analog line input 20 Hz to 20 kHz:** 0.002%

#### Differential Frequency Distortion

**Analog line output –6 dBFS, max. output level = +15 dBu:** 0.07%

**Analog line input –6 dBFS, max. input level = +15 dBu:** 0.01%

#### Max. Input Level

**Analog line reference full scale digital:** +22 dBu

### Max. Output Level

**Analog line reference full scale digital:** +22 dBu

#### Gain Trim Range

**Analog line:** reference full scale digital +12 dBu/+15 dBu/+16 dBu/+22 dBu

#### Nominal Output Levels

**Bus outputs balanced:** +4 dBu

**Monitor outputs balanced:** +4 dBu

**Mix-minus outputs balanced:** +4 dBu

#### Digital Audio Sync

**Internal sample rate:** 44.1 – 48 kHz

**External sample rate (source devices) AES input with SRC:** 22.5 – 56 kHz

**Wordclock sync input, output:** BNC

**AES/EBU sync input:** XLR

**Processing resolution internal:** 56-bit

## ORDERING INFORMATION

Please contact your authorized Grass Valley representative.

[www.grassvalley.com/sales](http://www.grassvalley.com/sales)

## CUSTOMER SUPPORT & PROFESSIONAL SERVICES

Our customer support and professional services offerings ensure optimal system performance and maximize uptime. These services include call centers staffed around the clock, commissioning, professional training courses, and technical maintenance programs and service agreements.

[www.grassvalley.com/support](http://www.grassvalley.com/support)

