

# Polaris™ Live

MANUAL DEVICE CONTROL APPLICATION



**Polaris™ Live from Harmonic elevates the capabilities of channel-in-a-box (CIAB) solutions with fully customizable touchscreen control of video, graphics, DVE, routing, and video and audio effects in master control and production environments.**

Part of the Harmonic Polaris family of playout management tools for CIAB and integrated channel playout, Polaris Live is a PC-based application that enhances manual control of Harmonic Spectrum™ media server and ChannelPort integrated channel playout systems by consolidating complex functions into simple buttons on a touchscreen user interface. The interface may be as simple or as sophisticated as an operator requires, and provides effortless control of the on-air playout chain.

Polaris Live leverages the power of Spectrum ChannelPort to offer an ideal solution for live control environments that need on-demand playout capabilities. The user-defined GUI offers an intuitive approach to managing clips and audio, switching between live sources, mixing clips and live sources, and adding video and audio effects, DVE moves and squeezebacks, and multi-layer graphics. The result is a simplified approach to achieving high-quality, sophisticated on-air looks generated with a minimal number of single-function devices — and fewer operators than previously possible.

Each Polaris Live client can manage multiple ChannelPort channels. With these channels under the control of a single user interface, Polaris Live dramatically changes how function integration can be applied in manual control situations. A broad range of industry-standard router control protocols is also supported to provide input and output flexibility.

Taking on-air control to new levels, Polaris Live is unique. Its ease of deployment, scalability and cost effectiveness, when combined with the power, flexibility and efficiency of ChannelPort, delivers exceptional functionality and density. The system is easily configured to monitor and control broadcast devices for many different applications. It is Windows-based and uses a simple drag-and-drop designer to build panels. The interface is designed to be operated by either touchscreen or keyboard and mouse, and is fully scalable from single-channel to complex multi-channel environments.

Operators gain control of what can be very complex manual processes with truly customizable user interfaces, specifically laid out to simplify the workflow. Operations that would normally require a number of coordinated operators working closely together to achieve the desired on-air look can now be consolidated to a single pre-programmed button on the control panel. The operator can control as much or as little of the clip playout, live switching, video and audio mixing, effects and routing as appropriate to their needs. Different screen layouts can be used at will to change and adapt ChannelPort to many workflow needs. Rules can even be applied that significantly reduce margin for error by locking out controls when certain operations are initiated.

## HIGHLIGHTS

- Flexible, user-defined, on-air control and monitoring
- Fully customizable touchscreen enables intuitive control of Spectrum ChannelPort and best-of-breed third-party devices
- Simplify repetitive tasks and complex workflows
- Combine multiple simultaneous events on a single button for accurate, reliable playback
- Network control topology for simple deployment and management of multiple connected devices
- Ideal for multi-channel and multiple-operator environments



*Polaris Live can be used to control complex capabilities on Spectrum ChannelPort, including DVE squeezebacks, with the touch of a button.*

### Polaris Live Designer

The Polaris Live Designer is used to create new panels, or to modify standard designs supplied by Harmonic, providing operators with the precise speed and accuracy of control demanded in today's sophisticated, multi-channel playout environments. Buttons, faders and drop-down menus are simply dragged onto the panel and their functions assigned, including combining multiple, simultaneous rules to enable and disable other controls on the panel. The look and feel of each visual element can be fully customized to create familiar and consistent panel styles.

### Polaris Live Panel

The Polaris Live panel runs on a Windows PC operator station and is used to control ChannelPort and other connected devices via the Ethernet network. The operator can access multiple panels, each with different layouts and capabilities appropriate to the workflow needed for their environment.

### Polaris Live Licensing

Polaris Live licenses are purchased depending on the number of operator stations and devices that need to be controlled. Facility managers can give panel design licenses to a limited number of staff and then deploy the tested and approved panels to the relevant operator stations. Users without a Designer license cannot change the panel design; this provides a clear, easy-to-manage and controlled route to deployment and use.

### World-Class Service and Support

Harmonic stands behind the Polaris Live device control application with comprehensive service and support programs, including system design, service deployment, technical support and network maintenance. World-class service plans and a global network of flexible and responsive support professionals help ensure your ability to deliver outstanding "anytime, anywhere, any-device" customer experiences.

## SPECIFICATIONS

### SUPPORTED MEDIA SERVERS

Harmonic Spectrum servers with ChannelPort 8000-series and/or MediaPort 7000-series I/O.

BlackMagic Designs® VideoHub™  
 Grass Valley Native®  
 Grass Valley® VM 3000™  
 Leitch® Pass-Through  
 Network  
 Nevision® Sublime™  
 NVision®  
 Pro-Bel®  
 Quartz®  
 Sandar®  
 Sierra Video® Aspen™  
 Utah Scientific® RCP-3™

### SUPPORTED ROUTER PROTOCOLS