

XPOCORE

Developer: XPO Screens | Compatibility: Any 5-series BrightSign media player

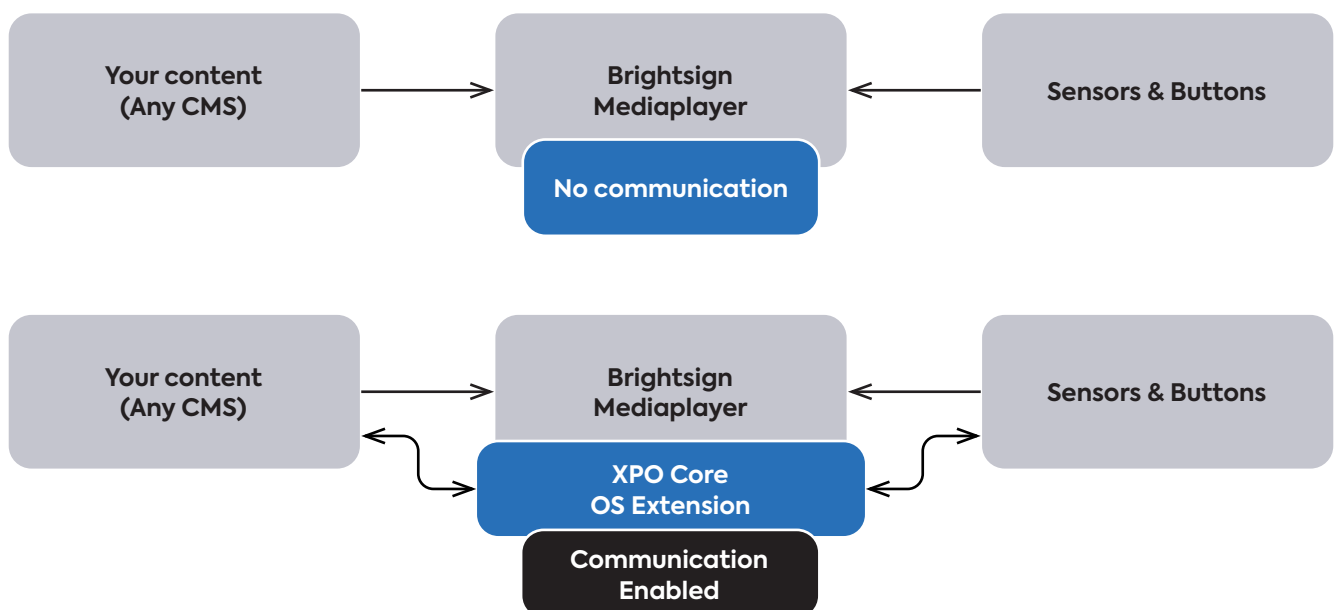
The BrightSign OS Extension – XPO Core by XPO Screens is a powerful add-on that enhances the functionality and versatility of BrightSign media players. It simplifies sensor and hardware communication, supports seamless integration with client applications, and offers an advanced logging platform for detailed monitoring and remote management. This extension is an essential tool for various digital signage, interactive applications, and operational monitoring tasks.

Use case

When you have a need for communication with your sensors, buttons or other serial peripherals which you'd like to use with your current content management system but don't have access to serial communication channels in your contents we offer a solution. Imagine you have a button, which when pressed you'd like to switch to a different content template. Your BrightSign player allows for serial communication with the button controller, but your chosen content management system is lacking in this functionality. They don't have serial communication implemented or even behind a certain higher tier subscription.

That is where the XPO Core comes in. A unique tool built specifically for BrightSign players that allows for any serial peripheral to hook up to the player and connect your sensor or button for you. It allows you to connect from your content using a simple websocket connection. A websocket connection like the one we use can be connected to using a simple script that we provide, and you can run directly in any cms client that supports HTML5-based content. You can choose, depending on the cms, if you want the script to run in the background or have certain functions serviced to the foreground like displaying sensor information.

So go hassle free or even save on subscription costs from a higher tier subscription that enables serial communication. The XPO Core enables this and more, check all the features below!



Key features

Sensor Communication:

- Enables interaction with various sensors.
- Essential for initializing and operating client applications that rely on sensor data.

Serial Communication:

- Facilitates serial communication with any hardware or sensor.
- Integrates data directly into client applications, eliminating the need for custom serial solutions.

Client Application Support:

- Helps specific components of client applications function properly.
- Simplifies the integration of hardware interactions with software applications.

Enhanced Logging Platform:

- Provides advanced logging capabilities beyond the default BrightSign logging features.
- Allows for device uptime monitoring and remote changes to settings.
- Supports custom sensor data logging, offering detailed operational insights

Benefits

Ease of use:

- Built-in solutions remove the need for creating custom serial communication setups.
- Streamlined integration process improves user experience and reduces development time.

Versatility:

- Compatible with any BrightSign media player.
- Supports a wide variety of hardware and sensors, broadening application possibilities.

Reliability:

- Designed to enhance BrightSign OS capabilities in a robust and dependable way.
- Ensures consistent and reliable communication between sensors, hardware, and client applications.

Advanced monitoring

- Separate logging platform provides detailed insights into device performance and sensor data.
- Remote management capabilities enhance control over device settings and operations.

Applications

Digital signage:

- Use sensors to trigger content changes or collect interaction data.
- Integrate hardware triggers seamlessly with visual displays.

Interactive Kiosks:

- Create responsive interfaces that react to sensor input.
- Enhance user engagement with real-time data communication.

Environmental Monitoring:

- Integrate environmental sensors for real-time data display and logging.
- Manage and visualize sensor data effectively using serial communication

Operational Monitoring:

- Track device uptime and performance metrics.
- Remotely adjust settings and monitor custom sensor data for optimal operation.