

Axia Quasar™

The Ultimate Mixing Machines



REALIZE THE POWER OF AOIP



Tap into the power of AoIP with Axia Quasar™, our sixth-generation of AoIP consoles and the industry-standard in mixing excellence. Powered by mature and sophisticated AoIP technology from Telos Alliance®—the inventor of AoIP for broadcast—Quasar is designed for steadfast reliability with no single point of failure.

Quasar is part of the vast Livewire+™ AES67 ecosystem, making communication with other devices on the network easy by allowing detection, sharing, and control of audio resources across multiple studios connected to the network. With Quasar, AoIP's promises of built-in redundancy, cost-efficiency, ease of use and setup, and system scalability are fully realized.

THE PINNACLE OF CONSOLE DESIGN

Designed based on extensive global customer feedback and ergonomic studies, Quasar consoles deliver pride of ownership with their exquisite appearance and high-quality architecture, including scratch-resistant work surfaces and components rugged enough for a lifetime of use. All parts subject to wear are industrial-, automotive-, or even avionics-grade.

The absence of an overbridge makes for easy desk installation, and the console is fanless for quiet operation, with redundant load-sharing power supply units. High-resolution color TFT displays and RGB pushbuttons are used throughout.

Reinforcing its innovative design, Quasar received the RedTech Award for Ergonomics and the IBC Best of Show Award.

TOUCH CONTROL AND TOUCH SENSORS BUILT-IN

Quasar consoles have a sleek, easy-to-operate, industrial-grade 12.1-inch touchscreen user interface that is so familiar, you'll be acquainted with the operation of the console within minutes. Two types of UIs are available—Expert and Simplified—to cover all user workflow requirements. Quasar does not require an external display to function thanks to its touchscreen, although you can connect an external monitor via the rear HDMI port to show a duplicate of the touchscreen interface. In addition, all Quasar consoles offer touch-sensitive Encoders, Faders, and User Buttons, offering responsive user interaction and bringing Quasar's dynamic UI closer to your fingertips.

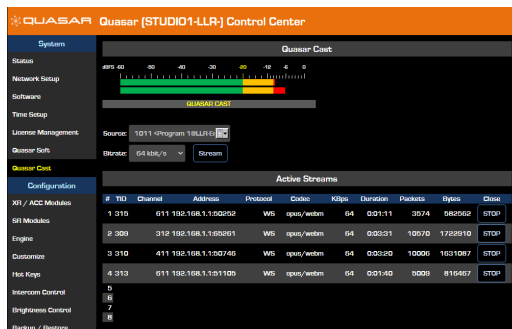
CUSTOMIZABLE AND EASY TO USE

Whether you are a seasoned broadcast engineer or a guest board operator, the Quasar family has a console for you that extends the right mix of features and customization to allow your content to shine. Expert Source Profile controls allow power users a granular definition of custom logic associated with each source. The user can program GPIO control, mix-minus routing, talkback, and other functions based upon console channel state. Flexible Record Mode gives complete control of monitors, meters, headphone feeds, program bus assignments, and more. Additionally, Show Profiles allow up to 4,000 console "snapshots" with different settings, layouts, and defaults loaded instantly, customizing the board to each show requirement or talent preference, if desired. Finally, automatic mix-minus and automixing are available on all channels.

REMOTE CONTROL & MONITORING



Quasar Soft - Unlock your XR or SR's remote capabilities with the optional Quasar Soft Software Upgrade. This customizable remote control solution lets you control your Quasar surface from a browser. You can generate up to eight HTML-5 pages and configure them to display any of the 64 input channels, plus a small monitor section, or even the entire master section of the console.



Quasar Cast - Included as part of the Quasar Soft license, Quasar Cast is a remote monitoring solution that lets you listen to any Livewire stream in the network through the same web browser. Quasar Cast generates a compressed OPUS stream from a source in the Livewire® network and can serve up to eight clients (including Quasar Soft instances). With Quasar Cast, you can listen to what is happening in the studio, and on the air, while you operate the console remotely using Quasar Soft.

QUASAR AOIP CONSOLES

Quasar XR - Unlimited Production Possibilities



Quasar XR is our top-of-the-line mixer. As such, it features extensive metering built into the surface right where it needs to be—on every channel display and next to each fader, as well as on the monitor module. These LED meters allow users to live mix rather than merely confidence monitor, giving users active control over their environments for the best possible outcome.

Quasar XR also includes standard motorized faders - a must for addressing complex workflows requiring the use of layers, recalling entire console configurations which include pre-set fader positions, or when controlling the surface remotely. XR also features dynamic fader module assignment, allowing the user to freely assign Fader modules to a Master module, and making it possible to connect Fader modules between two consoles.

Quasar offers Quasar Soft and Quasar Cast remote control and monitoring solutions, delivers full integration with Telos Infinity® IP Intercom products, and adds support for new Quasar Accessory Modules, along with numerous other powerful features. This advanced scalability addresses new workflows, like Work from Home, and gives broadcasters more flexibility when it comes to the number of channels they need in their Quasar Engine, starting at 16 channels and scaling up in blocks of 16 channels up to 64 channels.

Quasar SR - The Power of Simplicity



Quasar SR is the direct replacement for Axia's best-selling Fusion console. If you like Fusion, you'll love Quasar SR—which is comparable to the Fusion console in both price and feature set but also delivers all the power, ergonomics, industrial design, and star appeal of our flagship Quasar XR console.

Quasar SR is not reserved for the most knowledgeable broadcaster but is approachable to any board operator thanks to its streamlined surface design. Quasar SR uses the same frame, power supply, and master module as Quasar XR, but the fader modules are non-motorized, and there are fewer, larger, and easier-to-reach buttons on each channel strip. If the LED meters next to each fader on the Quasar XR console are a bit too much functionality for your surface, then Quasar SR might be the solution for you, featuring Confidence Class Metering only. For a complete comparison between Quasar XR and SR, see our Quasar Consoles Comparison Chart below on the next page.

QUASAR CONSOLE FEATURES

Control Surface Dimensions (XR & SR)

Width: from 428mm / 16.85" (4 faders+Master) to 1360mm / 53.54" (28 faders+Master)

Depth: 580mm / 22.83"

Height: 1109.5mm / 43.3" (table-top frame with rubber feet)

Configurations

Available in sizes from 4 to 24 faders per frame, with support for up to 64 faders with Quasar XR and up to 32 faders with Quasar SR in multiple linked frames. Frames are available in both tabletop or flush-mount versions and can be converted from one type to the other with a special kit.

Feature	Quasar XR	Quasar SR
Use	Broadcast studios of any size OB Vans	Broadcast studios of any size
Surface Scalability	Up to 64 faders 16 XR-4FAD Modules per logical console	Up to 32 faders 8 XR-4FAD Modules per logical console
Built-in, modular fanless PSUs with redundant option	Up to 4 PSU modules per console frame	Up to 4 PSU modules per console frame
Quasar Soft & Quasar Cast	Optional license	Optional license
User-Assignable Buttons	All channel strip buttons user-assignable	All channel strip buttons user-assignable
Faders	High-quality motorized	High-quality non-motorized
Surface Layout	Extensive set of hardware controls available. Four User Keys available on each channel strip	Simpler surface layout for self-operated workflows. Fewer, bigger, and easier-to-reach buttons. One User Key per channel strip
Channel Strip Audio Meters	High-Res LED bars + confidence meters in display	Confidence class meters only
Build Quality	High-quality components, rugged, ergonomically designed, industrial PCAP touchscreen, no overbridge	High-quality components, rugged, ergonomically designed, industrial PCAP touchscreen, no overbridge
Touchscreen	Included with console	Included with console
Frame Type	Up to 8.5U, single or split	Up to 8.5U, single or split
Dynamic Assignment of Fader Modules	Possible	Not possible

QUASAR SYSTEM COMPONENTS

Quasar Engine



Quasar XR and SR surfaces are powered by the Quasar Engine, a native AoIP powerhouse with 16 stereo channels, expandable to 64 channels. It offers 4-band fully parametric EQ and powerful dynamics processing including talent headphone processing, True Peak limiting on Program, Record, and Phone buses, a dedicated low-latency peak limiter on every input channel, variable position insert sends and returns, and automixer on every channel. Quasar Engine includes four program buses and eight auxiliary buses, four Surface Layers, and a Virtual Mixer (VMix) with 16 independent 5-channel VMixers to extend the mixing capacity of your Quasar console far beyond the physical fader count. Extended AES67 functionality brings full compliance to all engine inputs, outputs, and monitoring sections, and adds PTP synchronization. Redundant power is standard with this mix-engine platform. The Quasar Engine is fan-cooled, while the Quasar console is completely fanless.

Quasar Engine RPS



Based on the proven Quasar Engine, Quasar Engine RPS brings many of the features and functions normally managed in the control surface to the engine itself. This makes it possible to create a standalone mixer without the need for an actual XR or SR surface, instead using the browser-based Quasar Soft user interface.”



Quasar Mic Control/Headphone Selector Accessory Module (optional)

The Quasar Mic Control/Headphone Selector Module can be mounted in tabletops or turrets. Studio Guest Position control provides remote control of mic on/off functions; dedicated Mute and Talkback buttons give talent full control of their position.

A volume/selection knob allows users to select their headphone monitor source; display readout confirms their choice. You can also use the module as an additional channel strip for your surface, mountable in a remote location.



Quasar Motorized Fader Accessory Module (optional)

The Quasar Motorized Fader Accessory Module is similar to the Mic/Headphone Selector module but includes a high-quality motorized fader that allows control of any of the Quasar Mic channels.

Quasar SmartKey Module

The Quasar SmartKey Module is a 2-channel wide surface module for Quasar XR and SR surfaces which adds up to four blocks of six programmable user keys. Each key can be programmed to display user-defined text using Axia Pathfinder Core PRO.



Quasar Mic In / Headphone Out Console Module

The Quasar Mic in/HP out Module is an optional 1ch-wide module that can be placed anywhere on the surface to add a convenient Talkback Input and headphone Output to your Quasar. It comes with its own headphone amp board that must be plugged into the Quasar Rear I/O module, to let the console receive any line signal and turn it into a high-quality, hi-power headphone output.





Axia Console GPIO Accessory Module

The Quasar GPIO Accessory Module is an in-studio accessory for remote control of mic on/off functions including Mute and Talkback buttons. The GPIO Module can be mounted in tabletops or turrets. Requires one free Axia® GPIO port per module and works with legacy Axia Fusion® consoles, the iQ family of consoles, and Quasar XR and SR consoles.