

# The Axia Audio Network.

## Replace the Router.

Networking revolutionized computing. Now it's doing the same for broadcasting! Before the network, building a complex facility with lots of I/O to send to multiple destinations required a router, a big, complex piece of proprietary machinery. But now there's no need for an expensive router — Axia makes it simple and economical to design a routing switcher custom-tailored to your specific needs. Build a network as tiny as 8x8 or as large as 4096x4096... or more.

Broadcasters love Axia's modularity and scalability — there are already over 1,000 Axia Livewire networks on-the-air. Combine Audio Nodes, Router Control Panels, an Ethernet switch and our sophisticated PathfinderPC or PathfinderPRO Router Control software; configure using any standard Web browser, and you're ready to go.

Getting your audio into the network couldn't be easier: just connect analog and AES/EBU sources to Axia Audio Nodes. Getting audio from PC workstations is even simpler: use the IP-Audio Driver for Windows, Mac or Linux to send and receive content from audio workstations and playout systems directly to and from the network — without the expense of soundcards or audio converters. There are also plenty broadcast products from Axia Partners that have Livewire built-in — a single Cat-5 cable carries audio I/O, start/stop logic, clean feeds and more.

### Building Blocks

It's easy to build an Axia network customized to your exact needs (but with the ability to easily add capacity). There are a wide variety of Audio Nodes and Router Control Panels that can be conveniently placed wherever your audio devices are located.



The Analog Line Node has eight balanced stereo inputs and eight balanced stereo outputs, all on RJ-45 connectors, and employs premium-quality A/D/A converters and low-noise components to provide superior audio performance for high-end studio use. Each input can accommodate either consumer-level -10dBv or professional level +4dBu equipment.



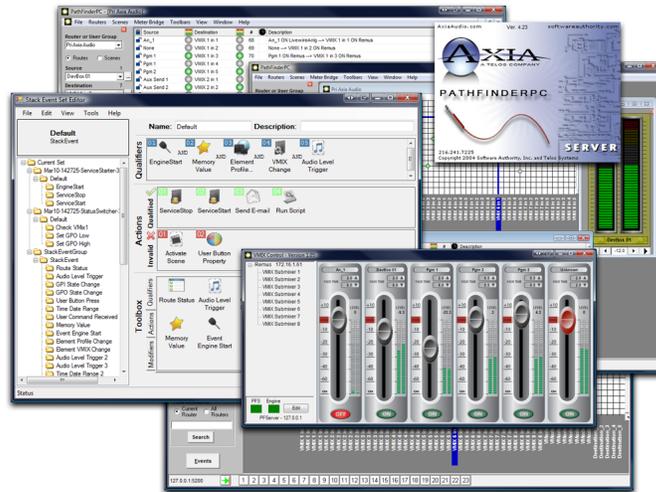
The AES/EBU Node provides eight stereo AES3 inputs and eight AES3 outputs. Sample-rate conversion is available on all inputs; an input can also be used to sync the Livewire network to a house clock. Like all Audio nodes, the AES Node features front-panel confidence metering for each of its inputs and outputs.



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The Microphone Node has eight studio-grade mic preamps with selectable Phantom power and software-adjustable gain. There are also eight balanced stereo analog line outputs to conveniently deliver headphone and studio monitor feeds back to the talent. Inputs use XLR connectors; outputs are on easy-to-install RJ-45s.



PathfinderPC and PathfinderPRO Router Control Software enable creation of sophisticated custom routing applications — from simple point-to-point routes to multi-point scene changes that can reconfigure an entire facility manually, at a specified time, or in response to an event trigger. Pathfinder automatically scans the network, gathering information about audio sources and destinations. Administrators can then “point and click” to send audio from one place to another.

With Pathfinder, you can combine audio and machine logic into a single “virtual router”, “watchdog” audio sources with metering and Silence Sense, and make custom applications with a graphical “Stacking Events” editor that eliminates script writing.

But the Pathfinder feature our clients rave most about is its ability to monitor audio sources and take action if there’s a problem, such as automatically switching to backup sources, flipping GPOs, and even sending an email to your Blackberry or iPhone that says “All’s well. I’ve made some changes.”

Pathfinder comes in single-server (PathfinderPC) and dual-server enterprise (PathfinderPRO) versions.



**NEW** SmartSwitch Router Control Panels feature backlit LCD buttons with dynamic text and color to provide 1-touch remote access to often-used machine-control or software functions. Multiple pages of button assignments can be programmed and recalled with just a touch; use PathfinderPC’s Stacking Events Editor to map single commands or complex routing salvos to any button. Available in 9- and 17-button rackmount models, 4-button guest accessory panels and 5- and 10-button modules for Element consoles.



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Use these Film-Cap Router Control Panels when dynamic-text capabilities are not required; lighted aircraft-grade switches provide fast execution of router salvos, machine-control or software functions programmed using PathfinderPC Router Control software. 5-, 10- and 15-button rackmount models are perfect for use in a studio turret, TOC control panel or equipment rack. A 5-button guest accessory panel and 5- and 10- button Element console modules are also available. Place film labels under the clear button caps; set the LED backlights to any of 8 different colors.



**NEW** 8-Button OLED SoftSwitch provides high-visibility Router Control from any studio turret or equipment rack. Its eight bright, sharp OLED (Organic Light-Emitting Diode) readouts can display anything from simple text to color photos, and can be seen from nearly any angle — across the table, or across the room. Use PathfinderPC to program custom routing commands you can invoke instantly with the touch of a button.



**NEW** X1 Router Control Panel lets you instantly route any source on your Livewire network to a specified destination. Scroll through available channels on using the bright, high-visibility display; then just press the “Take” key to make your route change. 1RU rackmount package for convenient placement anywhere control is needed.



**NEW** X2 Router Control Panel provides the routing functionality of two X1 Panels in a single chassis; each separate control routes any available network source to an individually specified destination.



The Router Selector Node combines the routing functions of a Router Control panel with the audio outputs of an Audio Node. In addition to analog, AES3 and headphone outputs, the Router Selector Node also features an analog and an AES3 input — ideal for production or news studios where operators both create and play audio streams. Eight convenient “radio buttons” can be quickly programmed for instant access to favorite sources.



The GPIO Node provides 8 logic ports for machine control, each with 5 opto-isolated inputs and 5 opto-isolated outputs. A logic port can be associated with any input or output; logic is routed along with associated audio. Logic commands can be triggered by console on/off buttons, or automatically via custom event commands programmed with PathfinderPC Router Control software.



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