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CONSOLE + ROUTER SYSTEM **iq**TM



AXIA

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+1 216 622 0247 | support@axiaaudio.com | AxiaAudio.com

iQ™

SIMPLY BRILLIANT

EASY INSTALLATION. FAST CONFIGURATION. INTUITIVE OPERATION.

That's iQ, the new console + routing system from Axia Audio. Everything's included: control surface, DSP-based mixing engine, audio I/O, machine-control logic, even an Ethernet switch. There's an available backup power supply, too. Setup couldn't be simpler: connect the iQ control surface to the Core with a single cable, add audio inputs using Cat-5 cable, perform some fast web-based configuration, and your iQ system is ready to broadcast. iQ Simple Networking lets you daisy-chain up to 4 iQ Cores without the need for an external Ethernet switch.

LARGE OR SMALL - THE CHOICE IS YOURS

iQ is the easiest way yet to get started with IP-Audio. Like all Axia systems, iQ is fully customizable and scalable. The 20-input iQ Core comes loaded with I/O for analog and digital audio devices, Mic inputs, an Ethernet switch to connect Livewire devices, and supports large consoles of up to 24 faders. Start with the eight-fader iQ Main Frame; add expansion frames with more faders and capabilities to tailor iQ to your studio's needs. Need more I/O? No problem; just add Axia audio nodes.

FEATURE PACKED

iQ's rich feature set includes 3 dedicated stereo Program buses plus a stereo Utility bus that can be used for phone calls, off-air recording, or as a fourth Program bus. There's automatic mix-minus on every fader, Show Profiles that instantly recall talent's favorite settings, Record Mode one-touch recording, and comprehensive Talkback. Construction details include Axia's hallmark ultra-smooth faders, aircraft-quality switches, and beefy extruded-aluminum frames. High-resolution, ultra-bright OLED displays on the meter bridge can be read instantly from anywhere in the room.



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iQ MAIN FRAME

Start here to build your custom iQ console + router system. Eight-fader surface with switchable VU/PPM surface with switchable VU/PPM program meters, OLED option displays, Studio and Control Room monitor controls, integrated Talkback system.



8-FADER EXPANSION

Plugs in to the iQ Core to expand your console with eight faders. iQ console frames may be mounted either desktop or drop-in style, as you prefer.



6-FADER EXPANSION

with assignable User Buttons
Six-fader expansion with 10 Film-Cap buttons that work with PathfinderPC software to control routing changes or audio peripherals.



6-FADER TELCO EXPANSION

Six-fader expansion with built-in dial pad and hybrid controls for on-the-board control of the latest Telos telephone hybrids.



iQ CORE

iQ Core is an Axia integrated console engine with 4 mic inputs, 16 Analog inputs, 8 Analog outputs, 2 AES/EBU ins/outs, 8 GPIO, Ethernet switch with 6 100Base-T ports (4 with PoE), 2 Gigabit ports (RJ-45 & SFP), 4 CANBus connectors. Supports consoles of up to 24 faders or three console frames plus accessory panels.



iQ BACKUP POWER SUPPLY

It's always smart to have a backup. For facilities where redundant power is required, the iQ Backup Power Supply delivers complete peace of mind. An easy, single-cable connection to iQ Core automatically provides backup power with automatic switching should the need arise.

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SIMPLY **iQ**™ BRILLIANT

FADER CHANNELS

iQ is simple and intuitive to operate. Options knob gives fast access to source selection, pan and balance and other frequently-used controls. High-resolution OLED display shows source name and status information; context-sensitive Soft key changes function based on your pre-programmed settings.



TELCO CONTROLS

Optional Telco Expansion frame includes a built-in 6-line Telos broadcast telephone system. Twin hybrid controls with OLED displays and exclusive Telos Status Symbols give instant caller information; dial pad lets operator dial out directly from the console. Includes Next, Xfer, Block and Hold keys plus Dump key for external profanity delay.



MONITOR SECTION

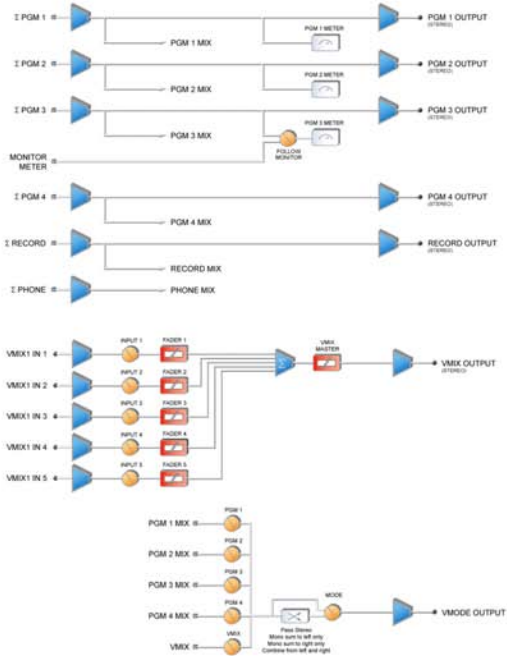
Monitor choices include all four Program buses plus two external sources. Talk To keys allow operator to communicate with in-studio guests, or to any remote codec or Phone caller using Talk To Previewed function. One-touch Record Mode, Show Profile control, meter options and timer controls complete the package.



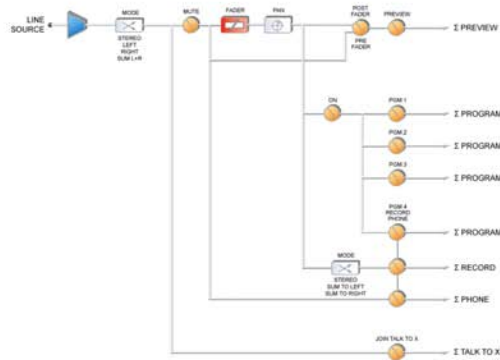
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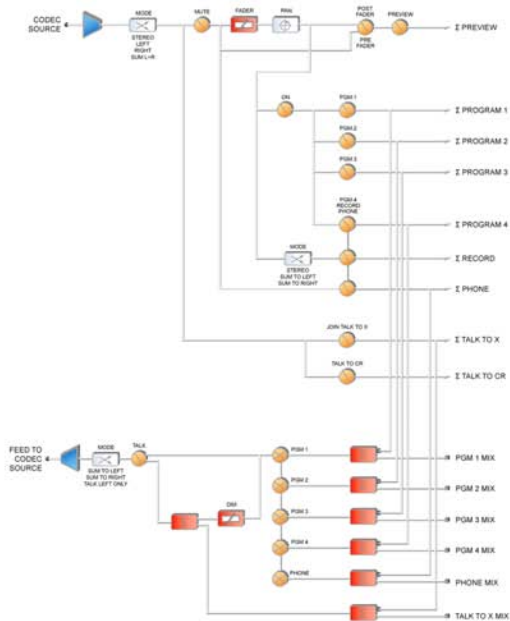
SIMPLY BRILLIANT iQ™



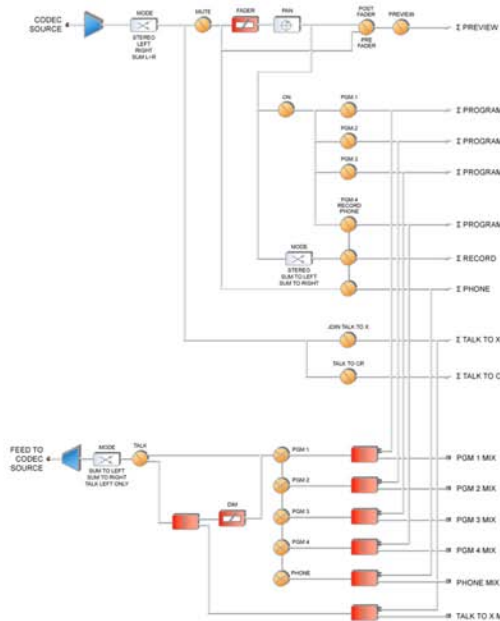
iQ MASTER OUTPUT BLOCK



iQ LINE INPUT BLOCK



iQ CODEC INPUT/OUTPUT BLOCK



iQ PHONE INPUT/OUTPUT BLOCK



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iQ6



iQ6: MAKES PHONES SMARTER, TOO.

iQ6 FROM TELOS ADDS SIX LINES WITH ONE CLICK.

Up to now, adding phone support to your console could be time-consuming. iQ6 (the new Telco gateway from Telos designed for iQ consoles) makes it simple: one CAT-5 connection and hookup's done.

iQ6 works with the iQ 6-Fader Telco expansion frame to give operators seamless, on-console control of incoming lines and callers. Take calls, dial out, step through pre-screened callers without ever taking your hands or eyes off the board. Exclusive Telos Status Symbols icons let board ops know what's what with just a glance.

You want off-console control? No problem. iQ6 works with the new Telos VX Producer software to give producers more control than ever: take, screen, record and edit calls directly via your producer's PC. There's a built-in soft-phone — just plug a producer's headset into your PC's sound card and you're ready to go. Or use the VX Director phone with its big color screen and animated icons to make short work of pre-screening tasks.

iQ6 accepts POTS or ISDN phone lines, and comes equipped with two 3rd-generation Telos hybrids with Digital Dynamic EQ; the same advanced hybrids found in our Nx phone systems. iQ6 also comes with new AEC Advanced Echo Cancellation from Fraunhofer Labs, revolutionary technology that eliminates open-mic feedback for smooth, natural hands-free conversations.

Naturally, since it's part of the iQ system, iQ6 saves you money and time. It plugs right into your Livewire network, eliminating the cost of discrete I/O, cabling and soldered connectors, and drastically reduces installation time. One skinny CAT-5 cable carries six lines' worth of audio, hybrid control and backfeed.



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powerstation



THE INDESTRUCTIBLE CONSOLE ENGINE

POWERSTATION, THE ADVANCED, INTEGRATED CONSOLE ENGINE THAT'S **BUILT LIKE A TANK** UNPACK IT, INSTALL IT... FORGET IT.

Meet PowerStation: the latest console advancement from Axia, the company that invented IP-Audio. From the beginning, IP-Audio networks saved broadcasters time and money by providing them with an easy way to bring together all the separate pieces of the broadcast studio – audio devices, consoles, machine control, delivery systems, routing switchers – and combine them into one flexible, easily-managed system.

PowerStation makes IP-Audio even easier to deploy by combining six separate devices – a DSP mixing engine, a console CPU and power supply, audio I/O, GPIO and an Ethernet switch – into one unit, a self-contained console engine that's engineered – make that over-engineered – to ensure years of reliable, trouble-free service.

Our clients have always raved about the time and money saved by an Axia network. PowerStation helps save even more, dramatically streamlining studio builds: put PowerStation in your rack, connect your Axia console with just a single cable, plug in your audio devices and name your sources with the user-friendly web interface. Add power and you're on the air. It's that simple!

FACTS AND FEATURES

PowerStation Main is where you start, with half-a-dozen essential tools combined into one compact unit. Inside you'll find a bulletproof mixing engine capable of handling consoles up to 40 faders, a massive power supply (with optional redundant power), machine control ports, and audio I/O, all in one box. How much audio I/O? You'll find two Mic inputs, four Analog inputs and six outputs, two AES/EBU inputs and two outputs, four GPIO ports, each with five inputs and five outputs. And there are 16 built-in Ethernet ports with Livewire for single-cable connection of Telos phone systems, Omnia audio processors and other Axia equipment, as well as gear from an ever-expanding list of Livewire partners. And two Gigabit ports with SFP let you connect to copper or fiber networks.

If you need more I/O, simply connect a PowerStation Aux to instantly double your Mic, Analog, AES and GPIO ports. PowerStation Aux connects quickly and easily, with just one Ethernet cable and one power connector.

Speaking of power, I/O isn't the only thing that doubles when you connect a PowerStation Aux: you also get a redundant, backup power supply with built-in switchover. Most redundant supplies protect only the console, but since PowerStation is an integrated console engine, the mixing engine, audio I/O and network switch are protected as well – a feature you'll not find anywhere else.

OVER-ENGINEERED TO AXIA STANDARDS

You want your console to be more than just reliable – you want it built like a battleship. You want the absolute peace of mind that comes from knowing your gear will never let you down. So our team of obsessive console designers made sure that every part of PowerStation was chosen for its ability to give constant, uninterrupted service, 24 hours a day, 7 days a week, 365 days a year. There are no compromises: PowerStation uses only best-of-the-best components, like studio-grade mic preamps and 24-bit, 256x oversampling A/D converters, a rigid, EM-tight chassis, an ultra-reliable DSP platform (not a common PC motherboard) and a hardened power supply designed for unflinching service, even in the harshest environments.

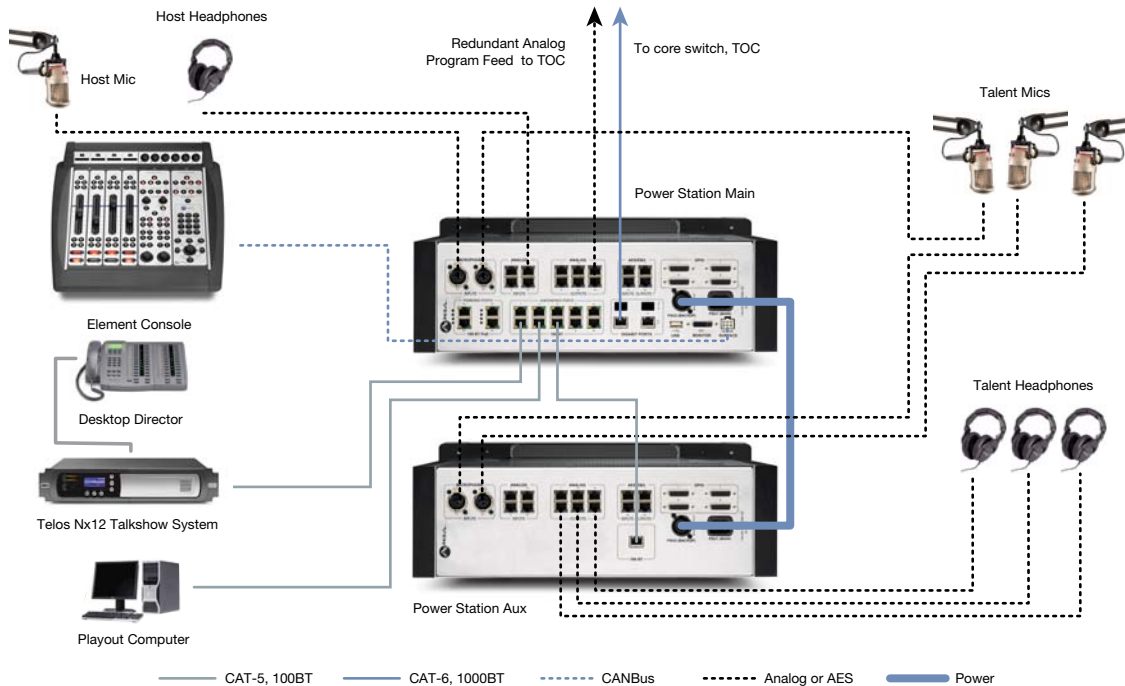
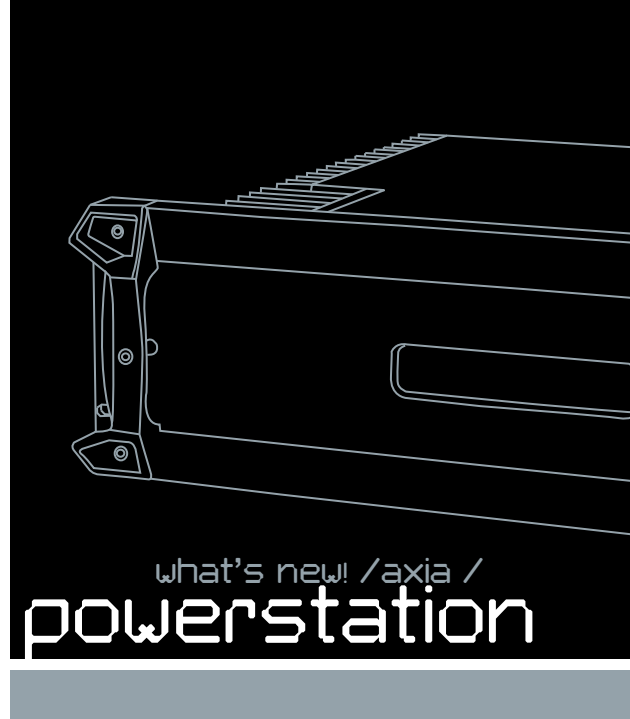
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THE STANDALONE NETWORK

We designed PowerStation to be the world's first networked broadcast console that doesn't need a network. It's completely self-contained: it works flawlessly as part of a large network, but if you unplug its network cable, it's completely unaffected. Think of it as an "island of reliability."

Not only does PowerStation make it easy to build stand-alone, independent studios, it also makes it easier than ever to network them together. An exclusive new Axia feature we call Simple Networking allows up to 4 PowerStations to daisy-chain without the need for a separate switch (although you can add one to build even larger networks).

Build just one studio, or a dozen, at any pace you choose — your PowerStation network is ready to expand when you are, up to as many as 10,000 stereo channels. Want to know more about PowerStation? Visit AxiaAudio.com/PowerStation/ for the whole skinny.



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ELEMENT 2.0

POWERSTATION WORKS WITH THE AXIA ELEMENT BROADCAST MIXING CONSOLE

With more than 1,500 consoles already on the air, Element is a huge hit. And now, thanks to suggestions from our clients, it's better than ever. Element 2.0 has cool features like Omnia headphone processing presets to give talent that "air sound", super-accurate metering with both peak and average displays, one-touch phone recording with automatic split-channel feed, automatic mix-minus for every fader, an eight-channel Virtual Mixer that lets you combine multiple audio streams and control them with a single fader, and metallic bronze or silver module overlays. And we haven't even begun to tell you about Element's Show Profiles that instantly recall talent's favorite settings, its built-in Telco controls, fully-integrated talkback/IFB and Mic processing by Omnia.

And durable? Element is nearly indestructible, ready to take whatever pounding ham-fisted jocks dish out and keep going.

You want examples? Element's avionics-grade switches are rated for more than two million operations. What look like ordinary rotary controls are, in reality, bullet-proof optical encoders — no wipers to wear out or get noisy. The silky-smooth conductive-plastic faders actuate from the side, not the top, so dirt and grunge stay out. The high-impact Lexan module overlays have their color and printing applied on the back, where it can't wear or chip off. The frame is made from thick aluminum extrusions that are stronger than truck-stop coffee.

To find out even more about Element, visit AxiaAudio.com/Element/. Grab some coffee and prep for a good, long read -- remember, our marketers get paid by the word.

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