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W IP

THE INTELLIGENT NETWORK

Wheatstone **BLADE-3**
MADI NETWORK BLADE

Wheatstone **BLADE-3**
ANALOG I/O NETWORK BLADE

Wheatstone **BLADE-3**
8 CHANNEL DIGITAL PROCESSING BLADE
AURA8ip

Wheatstone **BLADE-3**
DIGITAL I/O NETWORK BLADE

Wheatstone **BLADE-3**
ENGINE BLADE

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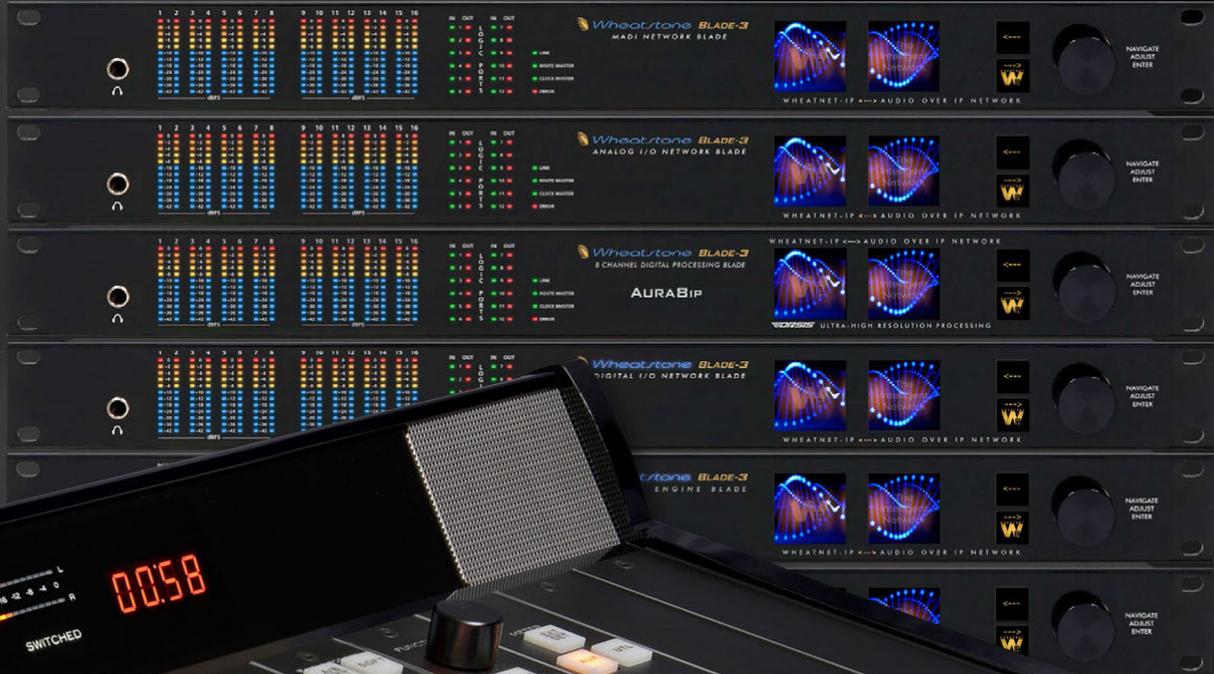
Wheatstone
BROADCAST AUDIO PERFECTIONISTS℠

OVERVIEW/PRODUCT PLANNING GUIDE

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THE INTELLIGENT NETWORK

Yesterday's IP audio network just doesn't cut it anymore. You need a modern, smarter audio network. It's all in the WheatNet-IP Intelligent Network: audio routing, mixing, processing, silence detection, logic control, 24/7/365 reliability, and third-party equipment integration, from your program automation to your transmitter link. Only WheatNet-IP distributes intelligence across all access points in one unified, robust Gigabit Ethernet network for reliability, scalability and extreme studio programmability. Best of all, WheatNet-IP is the driving engine under the hood for a wide range of control surfaces made by Wheatstone, which you'll also need for your modern network.

LX-24

Advanced Modular Networkable Console Control Surface

The LX-24 is our flagship compact, table-top, modular control surface designed from the ground up to operate with WheatNet-IP. Its look and impressive array of features, including a built-in high resolution meter bridge, make this control surface a great fit in any control room.

While it's a feast for the eyes, its core design elements are what make Wheatstone's LX-24 really stand out. For starters, it's conceived for people who work in radio. Pull up a chair and you'll feel right at home.

The LX-24's totally modular design lets you configure it exactly as you like. And you can hot-swap any module at any time. There are no electronics in the pan below the modules – in the event one needs to be replaced, simply reassign the audio to another module and you're up and running in seconds. Pop in a replacement module at your convenience. It's that simple.

The LX-24 can be anywhere you need. It's already part of the WheatNet-IP Intelligent Network – the IP88E Mix Engine BLADE provides audio mix functionality and can be anyplace on the network. Additional BLADEs can be added for inputs and outputs in a variety of digital and analog formats, and this I/O can be shared with other consoles and devices, such as AirAura and Aura8-IP, throughout the Intelligent Network.

The LX-24 is an intelligent surface that can store and recall all your settings. It even remembers settings if you have to hot-swap a module. Snapshots of the LX-24's configuration can be saved and recalled at the touch of a button, making setup for different shows or dayparts a snap.

The LX-24 modular control surface has a low-profile, table-top design that allows it to fit into almost any studio situation. The meter bridge features up to four sets of bright, high resolution LED meters, as well as circular LED displays for auxiliary send levels and pan control. A digital count-up/count-down timer is also included.

Each input channel can be assigned to four stereo busses, plus four pre/post-selectable aux sends, a stereo CUE bus, four mix-minuses and the panel's own bus-minus. An LED source name display, an A/B source selector, and two programmable soft buttons are included and a SET button provides access to assignable controls in the master section.

Control room and headphone outputs with level control and source selection are provided, as well as two independent studio monitor outputs. Stereo CUE speakers are built into the meter bridge. Headphones and CUE are delivered to the surface right from the IP network, so there's no tying up BLADE outputs for the headphone and cue audio.

On-board VGA and USB Mouse connectors allow a monitor and mouse to be connected to the console for configuration and advanced console functions.

As with all Wheatstone products, the LX-24 is made in the USA at our New Bern, NC facility and is supported by Wheatstone on both sides of the country (and around the world).

It was time to raise the bar for radio consoles. Who better to do it than Wheatstone?

SMART SWITCH PANEL

The all-new Smart Switch Panel is available for the LX-24, the L-8 and the L-12. Each button has a high-resolution OLED screen that can easily be customized to indicate its function.

The buttons are programmable to handle anything you can script.

- Low-profile table-top design

- Meter bridge with up to four bright, high-res LED meter sets

- Each input channel features:
  - Four stereo bus assigns
  - Four pre/post-fader aux sends
  - Four mix-minuses
  - Bus-Minus®
  - Source name display
  - A/B source selector
  - 2 programmable buttons
  - Vorsis EQ and Dynamics including 4-band parametric EQ, High- and Low-Pass filters, Compressor and Expander/Noise gate

- Control room and headphone outputs with level control and source selection

- Two independent studio outputs

- Stereo cue speakers and amplifier, built-into meter bridge

- Onboard VGA and USB Mouse connectors

- Event storage (snapshots) and recall

- Mix Engine BLADE included

L-12 & L-8
Compact Modular Networkable Console Control Surfaces

Make it happen with these sleek new control surfaces scaled just right for producing news and voiceovers. Like their bigger LX-24 cousin, the L-8 and L-12 have all the latest goodies plus are hot swappable down to the individual fader.

These cousins to the popular LX-24 are big in capability but scaled for news production, voiceover work and all those applications requiring a solid control surface that will deliver under deadline. The L-8/L-12 are based on all the same design principles as the LX-24 – a precision-built, low-profile, tabletop IP control surface that offers assignable sources to any fader and with hot-swappable individual fader modules.

Each fader provides access to four stereo busses, a stereo cue bus, and its own individual Bus-Minus. An OLED source name display, an A/B source selector, and one programmable soft button are also available, and a SET button provides access to assignable controls in the master section. Snapshots of the L-8/L-12's configuration can be saved and recalled at the touch of a button, making setup for different working sessions a snap.

The L-8/L-12 meter bridge features three sets of bright, ultra-high resolution LED meters. A digital timer is also included. Both consoles have control room and headphone outputs with level control and source selection, as well as an independent studio monitor output. The L-12 even has a built-in cue speaker.

These surfaces are designed for use with the WheatNet-IP Intelligent Network. An IP88CBL Console Audio BLADE provides the audio mix functionality as well as power to the L-8/L-12; additional BLADEs can be added for inputs and outputs in a variety of digital and analog formats. This new IP console is sleek, versatile, and low profile. No tabletop cutouts needed. Just plug the L-8/L-12 into your WheatNet-IP Intelligent Network, and quickly assign any source of any type to any fader from anywhere in your network.

SMART SWITCH PANEL

The all-new Smart Switch Panel is available for the LX-24, the L-8 and the L-12. Each button has a high-resolution OLED screen that can easily be customized to indicate its function.

The buttons are programmable to handle anything you can script.

- Eight (L-8) or Twelve (L-12) inputs

- Low-profile, tabletop form factor allows clear sight lines and requires no furniture cutouts

- Any source to any fader

- Four stereo busses

- A/B dual input switching

- Bus Minus (N-1) on each input channel

- Hot-swappable fader modules

- Event preset recall

- Built-in headphone amplifier and level control

- Built-in cue speaker (L-12 only)

- Includes IP88CBL Console BLADE

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E-6
Full-Featured Console Control Surface

The E-6 brings tremendous horsepower to a very compact footprint. It's created to bring maximum control to minimum space with exceptionally intuitive operation. A touchpad and user-supplied monitor allows you complete access to an incredibly rich range of features.

E-Series E-6 is a console control surface that interfaces with Wheatstone's WheatNet-IP networking and routing system via a single CAT6 cable. No audio is routed or mixed in the surface itself. As a networked system, the console can access any source in the entire complex, sharing remote codecs or bringing up another studio's program bus on your console.

A user-supplied high-resolution graphic display monitor can provide vivid VU and peak level indication, as well as in-depth control and programming of the console.

The E-6 control surface provides power and functionality for any radio on-air or production requirement, whether fast-action news, talk, and network origination, or major market music. The E-6 is also designed from the ground up for mixing surround for radio (or even TV). Its master panel provides comprehensive control of module functionality as well as monitoring and talkback for two studios. A popular feature is Vorsis-quality EQ, filtering, and dynamics processing on every fader!

The E-6 surface provides extensive functionality for telephone talk and news formats, with four console-wide mix-minus busses as well as a dedicated mix-minus output from each channel with a talkback button right above the fader.

E-6 surfaces can be intermixed with other surfaces in the same system, such as the E-1 or Sideboard. All surfaces include event save and recall. Set events for the morning show, normal programming, special events, remotes, weekly shows, whatever you desire. Easily recall the event to completely reconfigure the console: sources, bus assignments, and settings. Set levels of access so that the more experienced operators can accomplish even the most complex tasks, while keeping the part-time weekend op out of trouble.

- Surfaces from 4 to 24 input faders

- Graphic VGA display with comprehensive metering, clock and timer, less frequently accessed control functions, and for console programming

- Touchpad for control of functions on the VGA monitor

- Dynamics, EQ, high- and low-pass filtering

- Four AUX output busses

- Control of source select, pan, mix-minus assign, and AUX 1-4 send level from the master panel – accessed by the SET switch on each input channel strip

- Two programmable buttons per input channel strip — use for hot source select or mode change

- Mode display on each input channel strip – stereo, left, right, mono

- Control Room, Headphone, Studio 1 and Studio 2 monitoring controls

- 14 general-purpose programmable buttons

- LED display of active source on every input channel strip

- Four program busses

- Four assignable global mix-minus busses

- Individual channel mix-minus outputs

- Talkback to mix-minus button on every channel strip

- SET switch to access secondary functions such as source selection, mix-minus assign, panning

- EVENT console snapshot recall and save from the front panel

- Passcode-protected access for four levels: Intern, Operator, Production, and Engineering

- Front-panel timer control

- Low-profile design drops into a countertop cutout – about 2"/4cm above counter top and 3"/8cm below

- Available with optional meterbridge

- External rack-mounted power supply; add a second for redundancy

- Mix Engine BLADE included

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E-1

Self Contained, Ultra Powerful, Cost-Effective Control Surface

With the E-1, we wanted to create a control surface that brings the most popular features of our E-Series to a self-contained chassis that includes a monitor and trackpad. In doing so, we've created a very compact control surface which, when coupled with our IP88CB Console BLADE creates a complete, standalone broadcast mixer that's ready to network whenever you are.

Whether you need to outfit one control room or several, using minimum space and adhering to a tight budget, the E-1 is for you. With its small footprint, built-in touch pad, and full feature set, the E-1 puts the power of a much larger console into a size appropriate for even the most cramped news booth or voice tracking room.

Comfortable as a standalone workstation (when used with an IP88CB) or as a part of the WheatNet-IP network along side our E-6, E-4 and Sideboard, the E-1 is ready for the future. The compact E-1 Control Surface Console and included IP88CBE Console Audio BLADE provide all the networked control, mixing, I/O and DSP needed for small to mid-sized studios at a price comparable to similar sized standalone analog consoles.

The E-1 features an integrated LCD Monitor for metering and control, a streamlined user interface with password-protected access to complex functions via LCD display and touchpad, and 4 Main Mix busses as well as Control Room and Studio Monitor outputs with selectable sources from the audio network. Complex mix-minus setups are made simple thanks to per channel mix-minus outputs with selectable reference mix and talkback interrupt.

The E-1 is designed and built completely in our New Bern, NC facility. Utilizing the finest components available - from the electronic components to the P+G faders – no corners have been cut to bring you our best at a price that works for your budget. The way we see it, regardless of price point, you deserve the absolute best we can give you.

- Digital Control Surface in new compact frame

- Integrated LCD Monitor for metering and control

- Monitor / Channel Display area is angled for better ergonomics and display view

- Streamlined user interface with password protected access to complex functions via LCD display and touchpad

- 4 Main Mix Busses

- Control Room and Studio Monitor Outputs with selectable sources from Audio Network

- Per Channel mix-minus Output with Selectable Reference Mix and Talkback Interrupt. Complex mix-minus setups made simple.

- Auto Switching between Off Line Mix and On-Line mix-minus per channel

- 99 Show Presets

- Includes IP88CBE Console Audio BLADE

IP-16 AND IP-12
Cost-Effective Modular Control Surfaces

The IP-12 and IP-16 utilize the WheatNet-IP intelligent network with access through their Console Audio BLADEs. Their modular design makes it a breeze to customize as a standalone unit or as part of the network. Both are compact, cost-effective ways to get into WheatNet-IP.

The IP-12 and IP-16 offer a great way for a small to medium radio operation to enter the world of networked audio. By moving the audio, logic and interface functions out of the board and into a single rack-space unit (called a BLADE), we are able to provide a significant boost to the flexibility, power and futurability of this console.

Tapping into the power of WheatNet-IP Intelligent Network technology through the use of the included IP88CB Console Audio BLADE, it's a perfect low-cost, small-footprint solution. AND it's a great way to start or expand a WheatNet-IP network.

The IP-12/IP-16 starts with a 12- or 16-fader control surface that looks and feels exactly like a self-contained console. Each of the input modules is equipped with an LED source name display and an A/B source selector whose sources can be set via a rotary encoder in the master section.

Each input module has access to four program busses and has cue and talkback switches. A 100mm high-quality long-throw fader and lighted channel ON/OFF switches round out the module.

The master section offers control room, studio, and headphone controls with source selection, as well as an onboard amplifier and headphone jack. Timer controls, a master talkback button, and a built-in cue speaker with level control are provided. There are four event switches and six programmable buttons available for user functions.

The meter bridge has three stereo pairs of bright 30-segment horizontal LED bar graph meters, as well as an on-board timer with controls located in the master section.

- 12- or 16-fader compact control surface
- 4 stereo program busses
- LCD source name displays
- LED-illuminated switches
- A/B source selector on each input module
- Guarded channel ON/OFF switches
- Headphone output with built-in amplifier and level control
- Control room and studio monitor outputs with independent source selectors and level controls
- Four event switches

- CUE bus with built-in amplifier and speaker
- Three pairs of bright, 30-segment stereo bargraph meters
- Six programmable buttons
- Individual Channel Mix-Minus outputs with talkback interrupt
- Source Selectable Studio Output with talkback interrupt
- On-board timer
- Uses the IP88CB Console Audio BLADE, WheatNet-IP compatible
- Modular control surface design

SIDEBOARD

Tiny, turret-style or rackmount control surface

Our versatile WheatNet-IP BLADEs each have two built-in 8-channel utility mixers. We've designed SideBoard to allow you to access these utility mixers so you can use them wherever a small, purpose-driven mixer is needed.

Each SideBoard fader channel has an ON/OFF switch, PGM and AUD bus assign buttons, a programmable button that can be used for source preset, talkback, etc. and a SET switch for accessing the central source selection rotary control. Each fader has its own 8-character input source display. The stereo PGM output is metered with dual 20-segment LED bargraphs.

The monitor section has a headphone output with level control, and six programmable monitor source hot buttons for instant selection. There is also a source encoder knob with a TAKE switch, and an associated display that, as with the input channels, can access any signal in the Intelligent Network.

- Ultra-compact table-top control surface
  – Also available as a rackmount control surface

- 8 faders with ON/OFF switches

- PGM and AUD busses

- Source selector with rotary encoder and display

- 20-segment stereo LED bargraph metering

- Headphone output with amplifier and level control

- Six programmable buttons

- Works in conjunction with any WheatNet-IP BLADE

- Also available in a 4-fader version

TALENT STATIONS
REALLY tiny, turret-style or counter-mount control surfaces

The talent stations you've been waiting for. These networked control panels put talent mic controls, headphone volume and source selection, and much more at the talent's fingertips. No more having to wire together a talent station with mic, amp, headphone and speaker controls.

TS-22

All new from Wheatstone, the TS-22 Talent Station is a first for radio broadcast studios. This single panel controller plugs into the WheatNet-IP Intelligent Network to provide controls for mic, headphone, amplifier and speaker levels all in one turret. No outboard equipment required and no wiring it all together. It's all right here in one IP-accessed turret.

TS-4

The smaller TS-4 talent station provides lighted on/off/cough and talkback switches for a single talent microphone. A rotary headphone source selector is provided along with an OLED display for identifying the selected source. The source selector doubles as a volume control. The TS-4 connects to the WheatNet-IP network via a single Ethernet cable.

TS-22 & TS-4 FEATURES

• Lighted mic ON/OFF switches

• Built-in headphone amplifier

• Headphone level control

• Headphone source selector

• Mic talkback switch

• Works in conjunction with any WheatNet-IP BLADE

• Available in a desktop turret or as a countertop flushmount

TS-22 ADDITIONAL FEATURES

• A/B source selector

• Built-in timer

• Six programmable buttons

• Mounting turret

• Speaker level control

Designed and built by
Wheatstone Corporation
600 Industrial Drive | New Bern NC 28562-5440 USA
phone 1.252.638-7000 | fax 1.252.635-4857
wheatstone.com | sales@wheatstone.com

Wheatstone
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