

the range

programmability – tweakability – lockability – perfect control

Flexible, powerful and, at the same time, very easy to use. That defines the E-Series – the culmination of Wheatstone’s 30+ years of experience in designing consoles for broadcasters. Whether you’re producing, on-air or reporting it from where it happens, Wheatstone’s control surfaces are your best investment for increased productivity and imaginative programming.

E-6

The flagship of our E-Series consoles, the E-6 does it all. When paired with an optional monitor, its intuitive interface gives you all the power you need for an on-air or production studio.

E-1

With its small footprint, the E-1 can be a self-contained console when paired with our ip88cb Console Audio BLADE. It also becomes a fully functional station on our WheatNet-IP Intelligent Network.



the surfaces: E-1

standalone *and* ready for the network, the E-1 is one mighty little powerhouse

With the E-1, we wanted to create a control surface that brought the most popular features of our E-Series to a self-contained chassis that included a monitor and trackpad so that complete control was immediately accessible. In doing so, we've created a very compact control surface which, when coupled with our ip88cb Console Audio 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, the E-1 is ready for the future. The compact E-1 Control Surface Console and associated ip88cb Console Audio

BLADE provide all the networked control, mixing, and I/O 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 bus-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 materials 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.



E-1

- 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 bus-minus Output with Selectable Reference Mix and Talkback Interrupt. Complex mix-minus setups made simple.
- 99 Show Presets
- Available in frames to house 4, 8, 12 and 16 input faders.



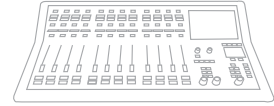


Sitting down to a Wheatstone console is at once exciting and reassuring. As a radio person, you know what to do, and encountering a board that's as intuitive and as powerful as a Wheatstone E-1 or E-6 makes it a joy to go to work every day. It's a reminder of what inspired you in the first place.

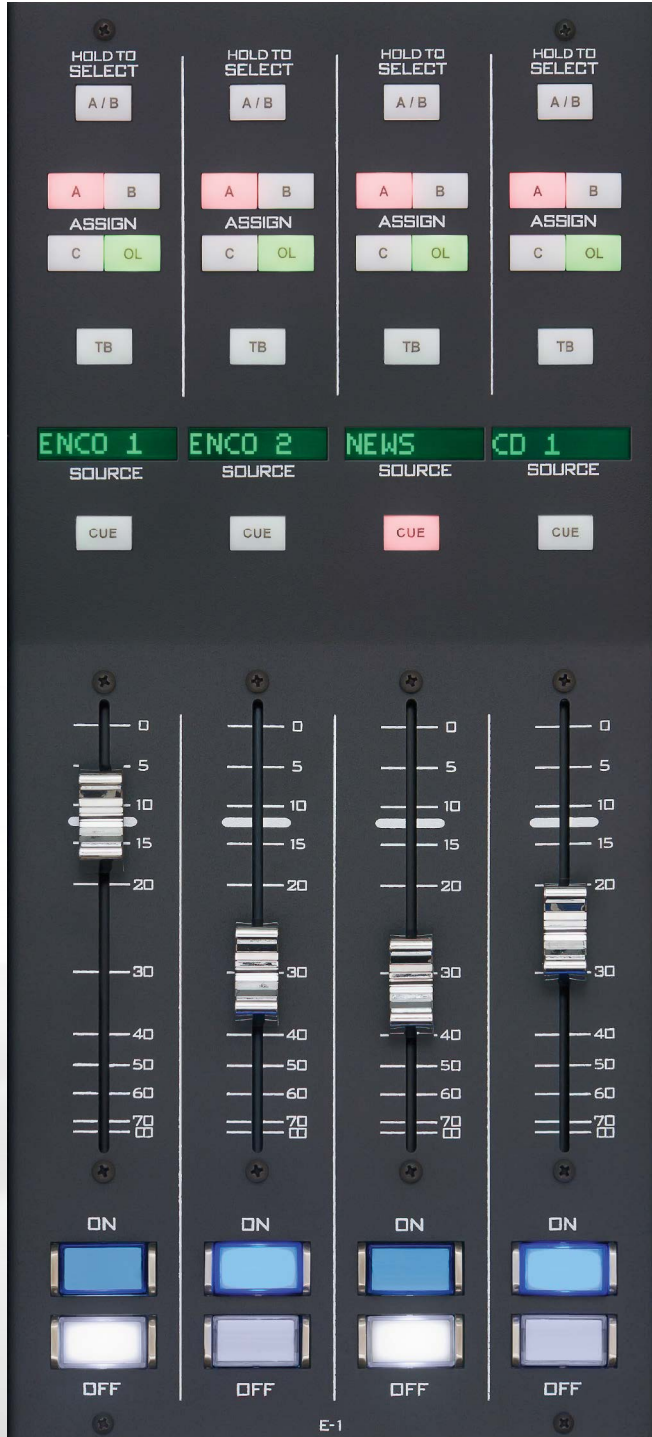


the details: E-1

everything you need to mix - right there at your fingertips



Input Panel



A/B BUTTON The A/B button located at the top of each fader strip provides two different functions.

The first use of the A/B button is as a source selector for the fader strip. Each fader can be programmed to quickly switch between two different sources, designated as the A source and the B source.

The A/B button also functions as a channel select switch when pressed and held for three seconds. Channel selection enables console master section functions (source select, pan, mode) for that channel.

ASSIGN Output switches assign the selected source signal to any combination of the surface's four stereo Program outputs—A, B, C, and D (also known as OL, or Off Line).

TB SWITCH The TB BUS switch routes the TB BUS audio, typically the operator's microphone, to the BUS MINUS output for that channel, allowing the operator to talkback to the talent hearing that BUS MINUS signal.

LCD READOUT An 8-character display shows the name of the audio source selected to the fader.

CUE SWITCH The CUE switch assigns the selected source to the CUE bus, letting the control surface operator monitor the channel's pre-fader signal.

BUS-MINUS / DIRECT OUTPUTS Each fader has a dedicated Bus-Minus output that includes all active faders on its selected source bus, except for itself. These auto generated mono mix-minus signals may be routed to feed telephone hybrids, or other devices as required.

Alternately, these outputs may be set to provide a separate direct output from that channel only that consists of the source assigned to that channel. This is very useful for multitrack production work.

FADER Channel output level is set by a P+G 100mm, professional conductive plastic fader.

CHANNEL ON SWITCH The channel ON switch turns the channel signal ON and fires any channel ON (START) logic mapped with VDip to the fader's source signal.

CHANNEL OFF SWITCH The channel OFF switch turns the channel signal OFF and fires any channel OFF (STOP) logic mapped with VDip to the fader's source signal.

Monitor/Master Panel



CR AND HEADPHONE (bottom)

These share a bank of source select buttons. Both control room and headphone have dedicated meters and level controls.

The built in HDPN amplifier output signal appears at the headphone jack, mounted on the right-hand front of the control surface's lower mainframe pan.

STUDIO (bottom) This has its own bank of source select buttons, and adds a TB button, allowing the operator to talkback to the studio. The monitor output has options for muting as well as locking the output level.

MONITOR SOURCE SELECT SWITCHES Each monitor output section (one for CR and HEADPHONE, the other for STUDIO) has its own bank of source select switches that determine the audio signal to be monitored. Each bank includes dedicated switches for selecting PGM A, B, C, or D (OL), and two programmable sources (EXT and EXT 2).

CUE KNOB The CUE master level control determines the overall loudness of the cue signal.

SELECT KNOB The SELECT knob serves as a Source signal selector for fader strips. When the A/B button is pressed and held on the desired fader strip AND the Input Tab (on screen) is positioned on the main SOURCE screen, the SELECT knob can be used to choose the desired source. Pressing the SELECT knob will open a screen showing a full list of input sources and locations for quick source selection on a fader.

SCREEN SELECT BUTTONS This bank of buttons, located above the panel's trackpad, is for controlling various functions on the GUI.

PROGRAMMABLE BUTTONS These four LED illuminated switches are designed to perform user-programmable functions. Some functions, such as firing Salvos, making temporary connections, or interfacing with the logic input and output ports on system Logic I/O cards, are configured through the Windows™ NAVIGATOR application.

TIMER The console timer's AUTO-RESTART function lets programmed input strips reset the timer and start a new count when their On buttons are pressed.

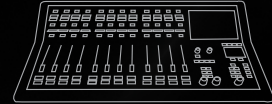
The S/S (start/stop) button halts the timer, which resumes when pressed again.

RESET - If pressed while the timer is counting, resets to zero and starts a new count. If pressed with timer stopped, resets to zero and holds until Start is pressed.

The HOLD button allows you to freeze the display while the counter continues in the background.

the big picture: E-1

the E-1's built in LCD display is vibrant and gives you all the info you need for configuring the console as well as daily use.



Main Screen

Displays all critical information to the operator including program bus names, high-resolution program level meters (average/peak), switchable meter, analog and digital clock, timer, and current event. Tabs allow access to lesser-used functions.



EQ & Dynamics

The E-1 offers comprehensive Vorsis-grade processing for great sounding voices, cleanup of remote feeds, and sweetening in the production environment. Includes 4-BAND PARAMETRIC EQUALIZER with top and bottom bands switchable peak/shelf (the display shows the resulting curve); HIGH- AND LOW-PASS FILTERS, 24db/octave, adjustable frequency 16-500Hz and 1-20kHz; SOFT-KNEE COMPRESSOR with adjustable threshold, ratio, attack, release, makeup level; and EXPANDER/NOISE GATE with adjustable threshold, ratio, depth, and time constants.



The E-1 is compact in size only. Functionally, it's HUGE. The E-1's power lies in its flexibility and ability to be programmed so that even the most inexperienced talent can operate it. Its password-protected interactive GUI gives you full programmability as well as some real-time functions if you prefer.



Events Screen

Create and recall console configurations for your different shows, functions, remotes and events. Store channel source and bus assignments, mix-minus settings, input mode and pan, and monitor configurations.



Input Screen

Displays the source mode and panning configurations for each input channel.

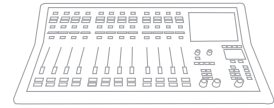


Options Screen

Essentially, this is your preferences screen. You can set options for studio mutes, studio tallies, bus-minus settings, offline mix and more.

the nitty gritty: E-1

specifications and other important stuff you should know about



Recessed Installation

The E-1 flushmounts to your counter top as the chassis extends below the counter surface to provide easy connection and a clean installation.



CONNECTORS

- Ethernet RJ-45, for use in a WheatNet-IP network, or for external computer control and programming of the console.
- Mixer RJ-45, for use with E-Series SAT cage (Bridge, E-Sat, WheatNet systems)
- Keyboard PS/2
- Headphone DB-9, line level stereo
- Power Dual jacks for redundant PSU

POWER SUPPLY PSE-1

19"/48.3cm wide,
1-3/4"/4.5cm high,
12-1/4"/31.1cm deep

Redundancy: use two PSE-1s
Power Requirements: 120 VAC, 50-60Hz, 90 Watts



PSE-1 Power Supply

Clean and proper power is key to the great performance you've come to expect from Wheatstone. It would be easy to just purchase over-the-counter power supplies for our E-Series Consoles. But we don't. In order to maintain our high level of quality we've designed and built a dedicated separate rackmount supply for our E-1 surfaces.

FRAME SIZES

E-1 frames are available to house 4, 8, 12 and 16 input faders



PHYSICAL DIMENSIONS

Surface front to back 16 3/4"/42.5cm
Cutout front to back 13 1/8"/33cm
Setback from front edge to cutout 1 1/4"/3.2cm
Height at front 3 3/4"/2cm
Height at rear 3 5/8"/9cm
Maximum depth below counter surface 2 7/8"/7.3cm

4 panel frame	surface 16 1/8"/41cm	cutout 14 1/2"/37cm wide
8 panel frame	surface 22 1/2"/57cm	cutout 20 7/8"/53cm wide
12 panel frame	surface 28 7/8"/73cm	cutout 27 1/4"/69cm wide
16 panel frame	surface 35 1/4"/90cm	cutout 33 5/8"/85cm wide

IP-88CBE Console Audio BLADE

The IP88CBE provides powerful interface options, including four AES inputs, four stereo analog inputs, four AES outputs, and four stereo analog outputs on XLRs; control room and studio stereo analog outputs on XLRs, two mic level inputs with gain trim and switchable phantom power on XLRs; cue and headphone outputs on both RJ45 and 1/4" TRS and 12 GPI logic ports on RJ45, plus EQ and Dynamics processing.





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