

# DIGITAL MIXER X32

### 32-Channel, 16-Bus Total-Recall Digital Mixing Console for Live and Recording Applications

- 32-channel total recall digital mixer with fully programmable high-end mic preamps and 16 mix buses, configurable as subgroups
- Main LCR and all 16 mix buses featuring inserts, 6-band parametric EQ's and dynamics processing
- 16 analog XLR outputs plus 6 additional line in/outputs, 2 phones connectors and a talkback section with integrated or external mic
- 48-channel digital snake ready\* via AES50 ports featuring KLARK TEKNIK's SuperMAC networking capability for ultra-low jitter and latency
- Built-in expansion port for Firewire/USB/ADAT card\* featuring standalone 16-channel recorder or other networking interfaces
- Virtual FX rack featuring 8 true-stereo FX slots for high-end simulations of famous outboard gear such as KLARK TEKNIK DN780, EMT250 etc. (included)
- Ultra-high power 32-Bit floating-point DSP features "unlimited" dynamic range, no internal overload and near-zero latency between in and outputs
- 6 mute groups and 8 DCA groups on 8 dedicated 100 mm motorized faders
- Super-easy user interface and dedicated channel strip section with direct access controls for intuitive workflow



iPhone not included

Ever since the "dawn of digital" audio engineers the world over have had a love-hate relationship with their consoles. The new BEHRINGER X32 digital mixing console lets you focus on your event, instead of navigating a vast sea of knobs, buttons and menus like most other live digital mixers. X32 is intuitive and powerful with 40 processing channels and 25 mix buses, all equipped with serious signal processing (dynamics, EQ and inserts), which can be configured quickly to meet the demands of virtually any gig, large or small.

#### Ready for your input

Use any combination of the local 32 console mic inputs or the networked digital snake inputs on stage—their audiophile quality



programmable preamps always ensure full control, purity and impeccable dynamics. The dedicated channel strip puts 17 backlit buttons and 13 rotary controls with LED-collars right at your fingertips for nuanced adjustment of each channel's compressor, 4-band parametric EQ and much more. Each input and output channel strip features its own color backlit 128x64 graphic LCD, which provides vital channel information at-a-glance.

#### Virtual FX Rack

The onboard virtual FX Rack provides access to eight true-stereo, multi-effects processors (16 mono) including delay, chorus, dynamics—and it can run 4 production quality true-stereo reverbs concurrently with 8 channels of 31-band graphic equalization, all without the need for expensive, space-consuming external hardware.

#### High-count I/O options

I/O abounds with 32 high-end programmable mic preamps; 6 Aux Inputs on ¼" TRS; 16 balanced XLR Outs, plus balanced Control Room outputs on both XLR and ¼" TRS connectors. A single CAT5 cable from FOH to the stage can receive up to 48 channels of audio input—and deliver all bus outputs, along with 16 individual monitor feeds for BEHRINGER's brand new P16 personal monitoring system.

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- High-resolution 7" color TFT with associated controls and individual RGB backlit graphic LCD's in every channel
- 25 motorized 100 mm faders, extensive channel strip plus dedicated user-definable control section
- USB flash connector providing file storage for uncompressed recordings plus show presets and system updates
- Connectivity for BEHRINGER's P-16 Personal Monitoring System\*, AES/EBU stereo digital output and MIDI
- 6 independent matrix mix buses featuring inserts, 6-band parametric EQ's and dynamics processing
- Adjustable line delays available on all physical in and outputs
- Networked remote control or show setups with remote editor software via USB and Ethernet ports (included)
- Powerful scene management for convenient handling of complex productions
- High-quality components and exceptionally rugged construction ensure long life
- Conceived and designed by BEHRINGER Germany

\* Not included AES50 is a trademark of the Audio Engineering Society, NY

## Vital information is just a click away

Thanks to the netbook-resolution, 800x480 high-contrast color TFT display, you are never more than one or two button presses away from any of X32's eight highly intuitive control screens. Once you select the desired function, dedicated rotary/push encoders allow you to set parameters and source I/O assignment, without the need to "drill down" through multiple layers of menus or page through a complex owner's manual.

## Versatile signal and scene management

Signals can be assigned to eight DCA groups (Digitally Controlled Amplifier), which provides simultaneous group level control via dedicated 100 mm motorized faders. The audio engineer can communicate with the talent by means of the Talkback section's onboard mic or an external mic of their choosing. X32's scene management allows snapshots of high-level production mixes to be captured and recalled for future use (you can even save them to a USB stick). X32 even has a dedicated custom control section with user-definable knobs and buttons where you can create your own set of controls, making it easy to access frequently used functions "on-the-fly."

## Powered by MIDAS & KLARK TEKNIK

When we began development on the X32, we called on our sister companies, MIDAS and KLARK TEKNIK, recognized the world over for their digital consoles and EQ/FX processing, for implementation support. The programmable, high-grade mic preamps found in the X32 are based on a genuine MIDAS design, all the way down to their A/D converters. The resulting design ensures superior common mode rejection (CMRR) and extremely low harmonic distortion (THD). The X32 is an amazingly clean amalgam of high technology merged with superb user-friendly features.

We received brilliant support from MIDAS and KLARK TEKNIK in designing X32's GUI (graphical user interface), a major advancement in digital mixing made easy, productive, and well... fun! They also drew on their extensive experience in FPGA (Field Programmable Gate Array) coding for rock-solid, ultra-low latency digital channel patching—giving the X32 the capacity to handle up to 168 sources on 168 destinations, including the two AES50 ports. You can expect to see more collaboration between BEHRINGER and MIDAS in the very near future.

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# DIGITAL MIXER X32

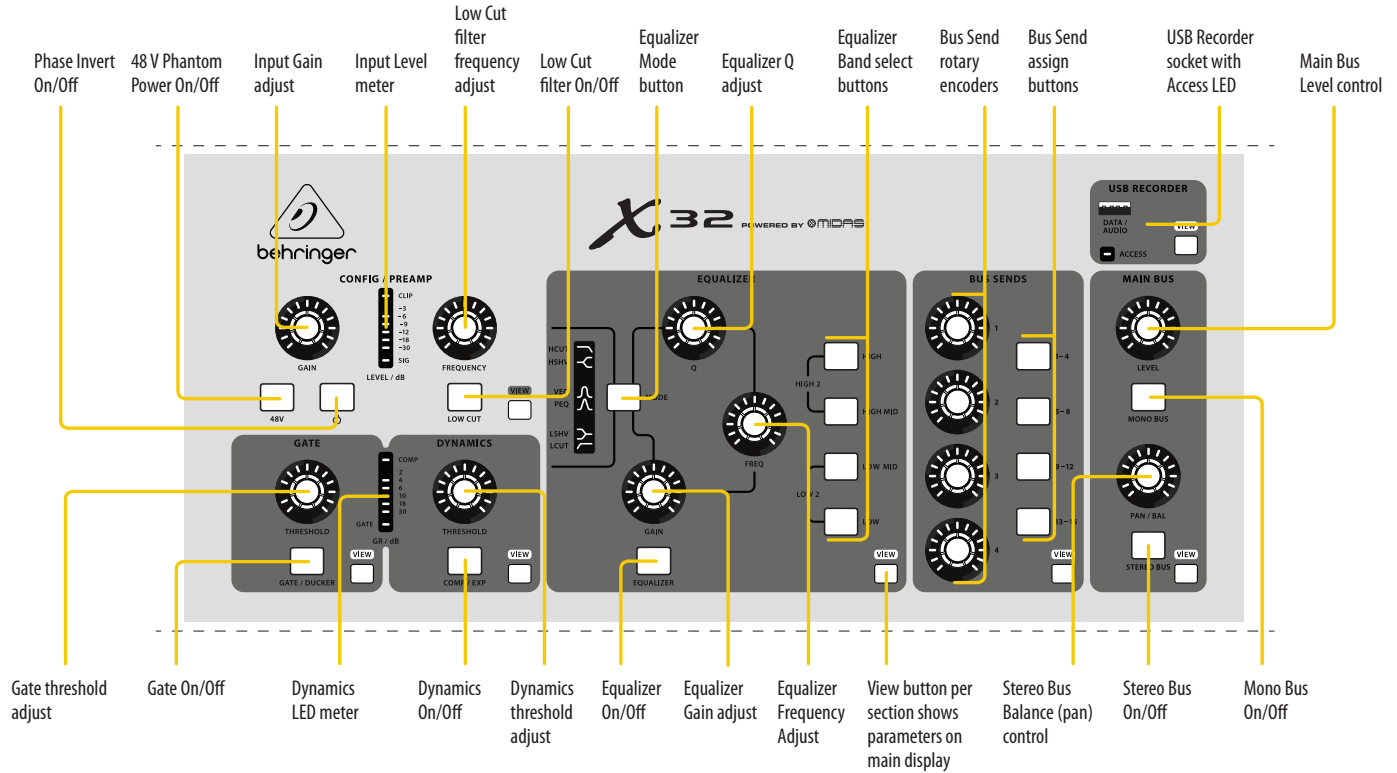
## Bus and rear panel flexibility

X32 provides extensive output connectivity including 16 balanced XLR outputs, six balanced Line I/O on 1/4" TRS connectors; dual Phones outputs; Main LCR (Left, Center, Right)

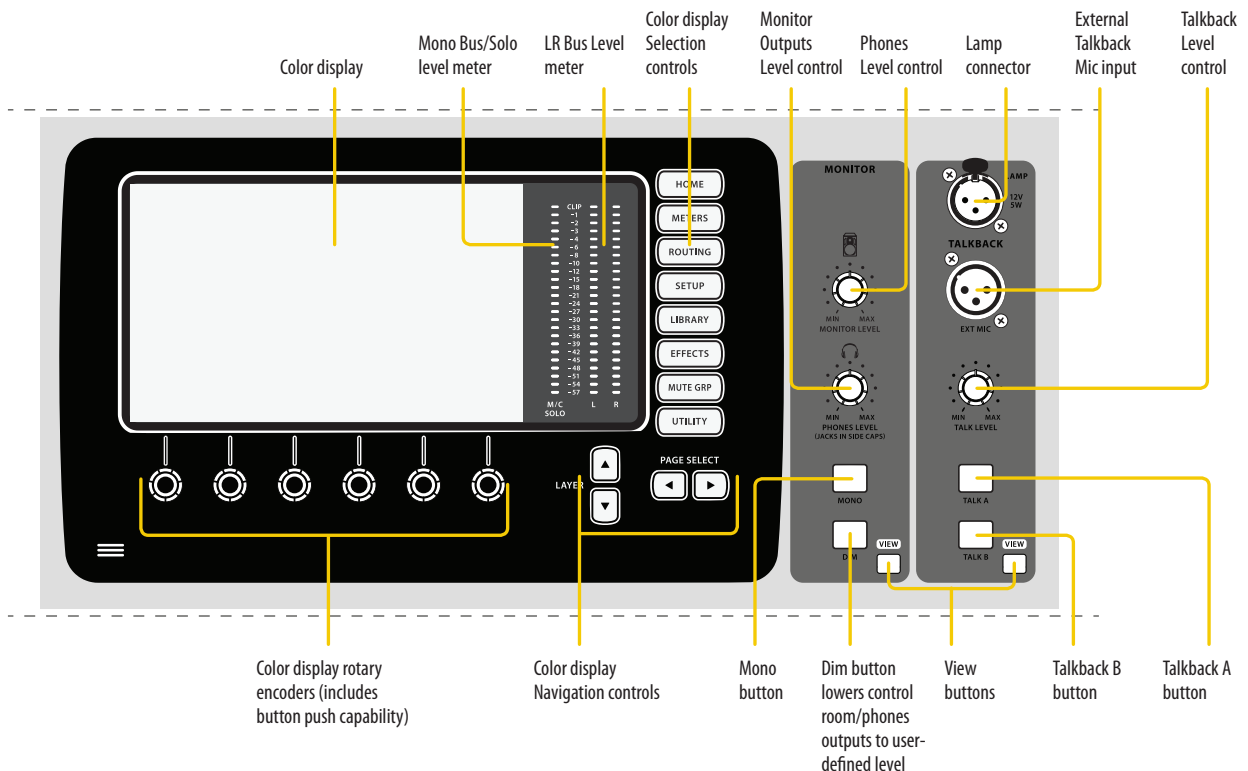
buses; 16 mix buses (also configurable as subgroups) with Inserts, 6-band parametric EQ and dynamics processing; plus six independent Matrix Mixes with Inserts, also with 6-band parametric EQ and dynamics processing.

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## Input Channel Preamp, Dynamics & EQ Panel



## Main Display, Monitor & Talkback Panel



# DIGITAL MIXER X32

The rear panel also sports two AES50\* ports, each with KLARK TEKNIK's rock-solid SuperMAC 48-channel I/O networking capability (for addressing a total of 96 inputs and outputs). Stereo digital output and MIDI are also supported, as well as ultra-low jitter, ultra-low latency communication between the X32 and digital snakes, remote stage boxes and outboard recording devices. A convenient top panel USB port is available for recording an uncompressed two-channel "board mix" straight to any standard USB thumb drive or for playing background music.

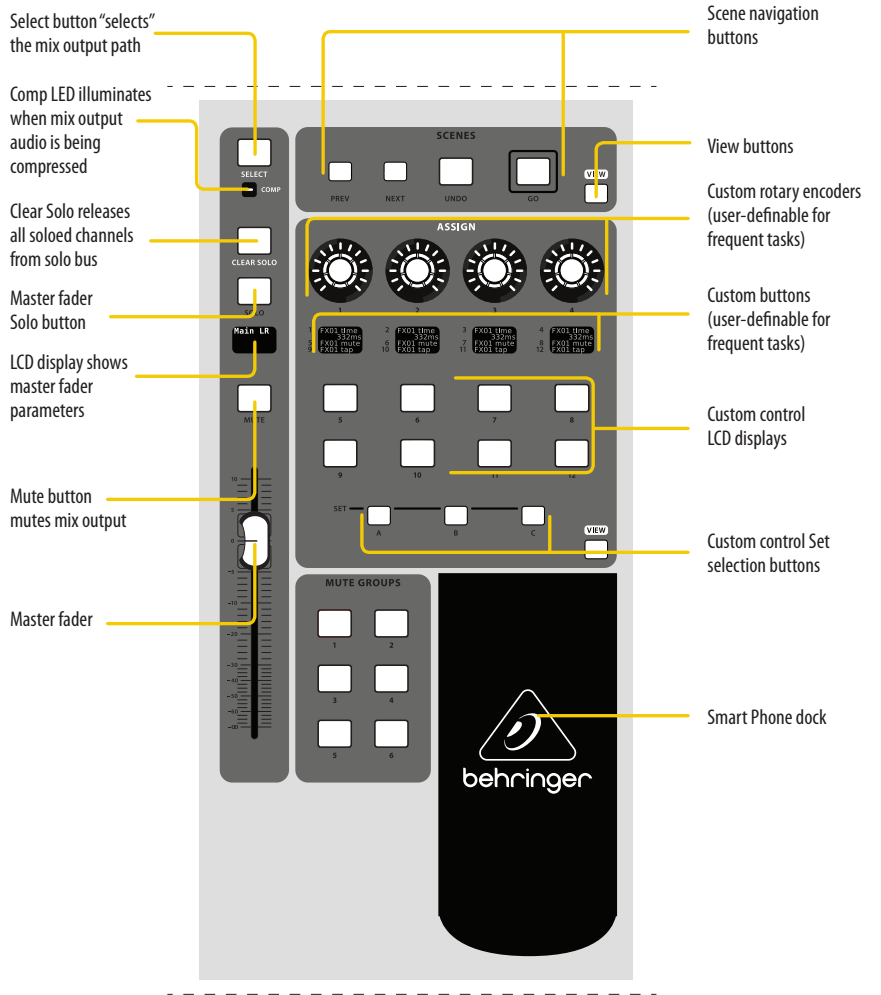
\*The AES50 trademark is property of the Audio Engineering Society, NY

## The future is here!

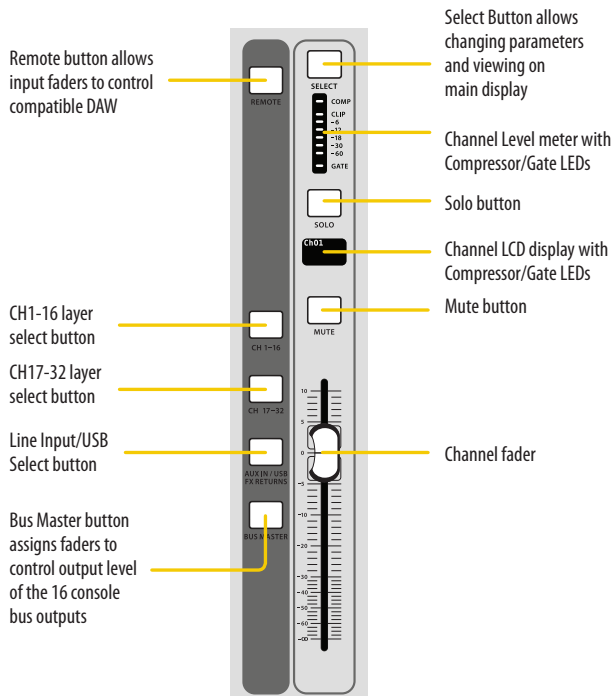
System expansion and connectivity capabilities are provided via an integrated card slot, which allows you to add up to 32 channels of digital audio I/O by way of IEEE1394 FireWire, ADAT TOSLINK or USB. It will even support standalone 16-channel uncompressed multi-track recording to an attached USB drive—without requiring a computer!

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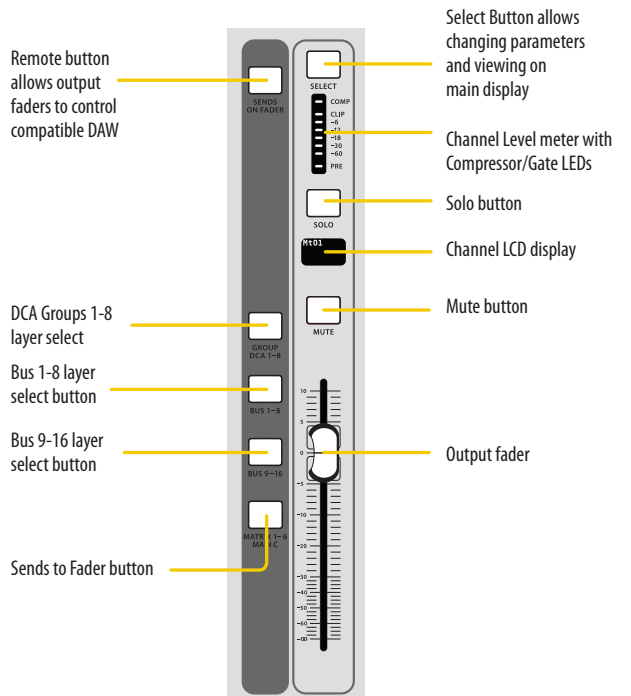
## Main Out, Scenes & Custom Control Panel



## Input Channel Strip



## Output Channel Strip





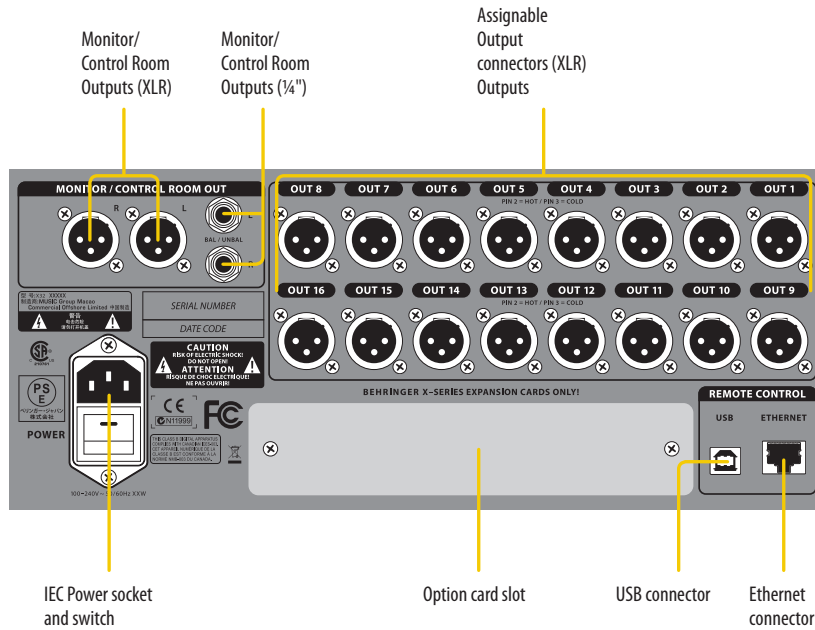
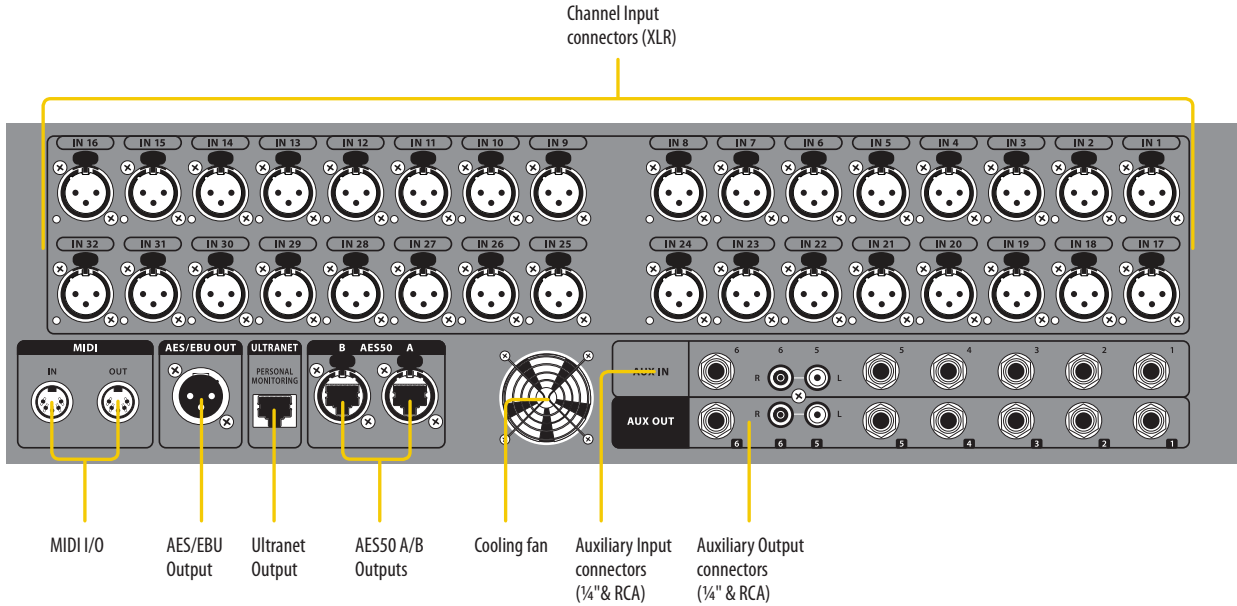
# DIGITAL MIXER X32

## Digital mixing—analog price

The BEHRINGER X32 digital mixing console sets a new benchmark for live sound mixing along with unprecedented value. BEHRINGER is proud to offer the full-featured X32 digital mixing console

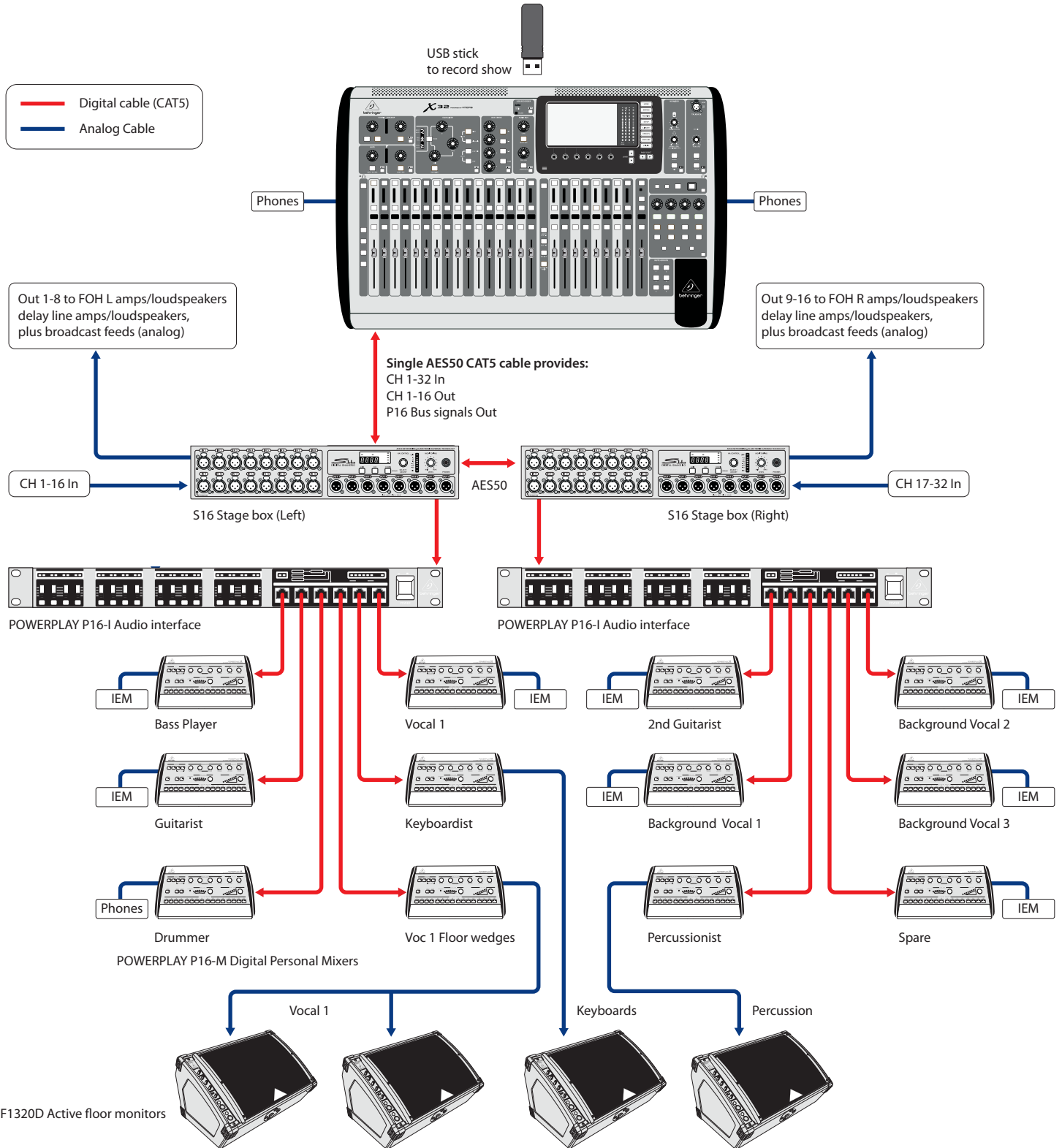
with its large input and output channel count, comprehensive processing, flexible expansion options and intuitive user interface—all at a price point that has the competition shaking in their boots!

### Rear Panel Input Patchbay



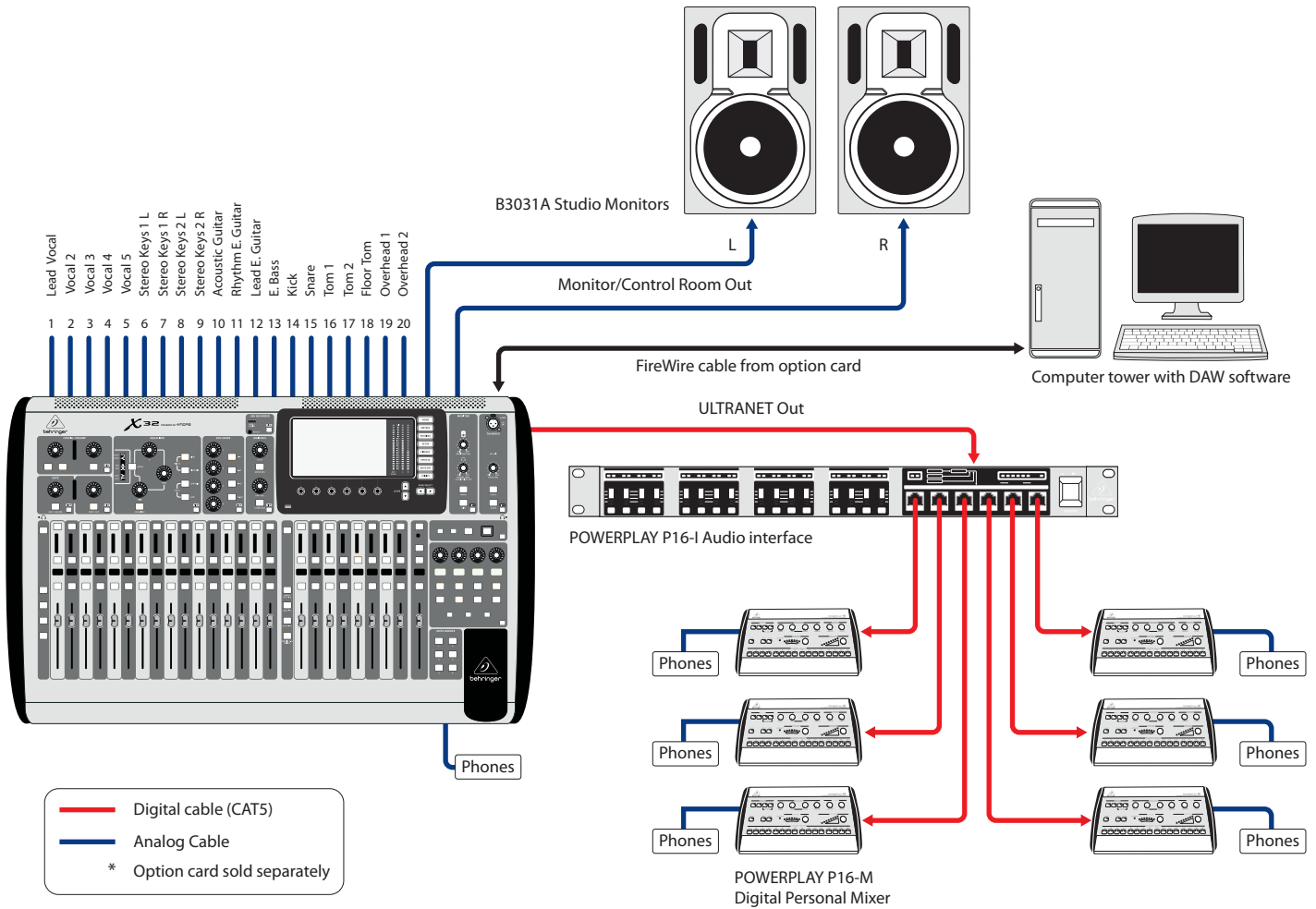
# DIGITAL MIXER X32

## X32 Live Performance Setup with S16 and P16 Monitor System



# DIGITAL MIXER X32

## X32 Recording Studio Setup (Option Card\* Installed)



For service, support or more information contact the BEHRINGER location nearest you:

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