

Digital Mixers

X32 PRODUCER

POWERED BY MIDAS

40-Input, 25-Bus Rack-Mountable Digital Mixing Console with 16 Programmable MIDAS Preamps, 17 Motorized MIDAS Faders, FireWire*/USB Audio Interface and iPad/iPhone* Remote Control

- 40-input channel, 25-bus rack-mountable digital mixing console for Studio and Live application
- 16 MIDAS-designed, fully programmable mic preamps for audiophile sound quality
- 17 Fully automated motorized 100 mm faders allow for instant overview, powerful scene management and DAW control
- 8 XLR outputs plus 6 additional line in/outputs, 2 phones connectors and a talkback section with XLR mic input
- 32 x 32 channel audio interface over FireWire and USB 2.0, with DAW remote control emulating HUI* and Mackie Control*
- iPad* and iPhone* apps for professional remote operation available free of charge—no host PC required
- High-resolution 5" day-viewable Color TFT for easy viewing of workflow components and parameters
- Main LCR, 6 matrix buses and all 16 mix buses each featuring inserts, 6-band parametric EQ's and full dynamics processing, plus 8 DCA groups and 6 mute groups
- Virtual FX rack featuring 8 true-stereo FX slots include high-end simulations such as Lexicon 480L* and PCM70*, EMT250* and Quantec QRS* etc.
- 40-Bit floating-point DSP features "unlimited" dynamic range with no internal overload and near-zero overall latency for mixing a total of 48 signals on 25 buses



Why do we call it the X32 PRODUCER?

A producer is someone who lives life on the go, requires the best tools and demands the flexibility to handle any project. In designing the X32 PRODUCER, we packed powerhouse features into a rock solid form factor, well suited for mobile live sound/recording, home/project studios and installed sound applications.

Lean and Agile

Processing power, ample I/O and flexible routing are central themes in the X32 PRODUCER. Where larger consoles make sense in fixed installations or studios, with the X32 PRODUCER, studio-caliber performance now goes wherever life takes you. Eight stereo effects engines provide the signal processing power equivalent to racks of outboard gear without having to haul anything besides the X32 PRODUCER.

Bring It On

This streamlined, but powerful, new member of the X32 family is built to handle the load—no matter what fate throws your way. Rack-mountable and equipped with 16 MIDAS-designed mic preamps, X32 PRODUCER also comes with two AES50 ports to connect the powerful S16 digital snakes for up to 96 additional XLR inputs and 48 returns—all connected by Ethernet cable for featherweight deployment compared to analog snakes.



For Posterity's Sake

The X32 Producer is born ready to connect to your computer-based recording setup. FireWire* and USB 2.0 functionality make it the ideal tool for mobile recording up to 32 channels, plus built-in control surface protocols make it a great companion to your favorite DAW.

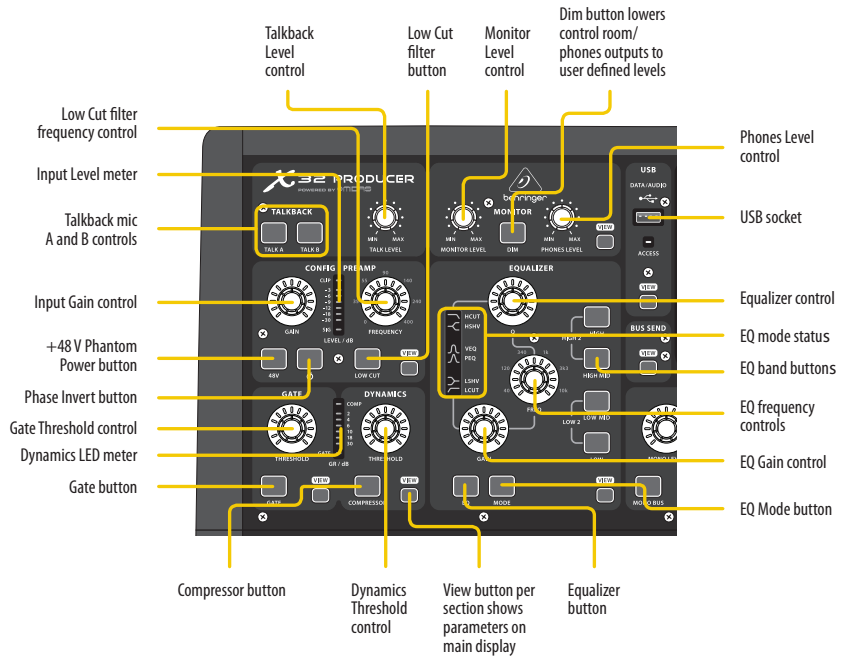
Remotely Yours

With the X32 PRODUCER, you are no longer tethered to the FOH console position, which means you can setup wherever you like. You can then take a walk to hear and adjust the mix from anywhere in the venue via an iPad or tablet PC connected to your wireless network. Plus, you can let the performers dial-in their own personal monitor mixes thanks to the XiQ app for iPhone and iPod touch. X32 PRODUCER's capabilities will free you up to be your creative best!

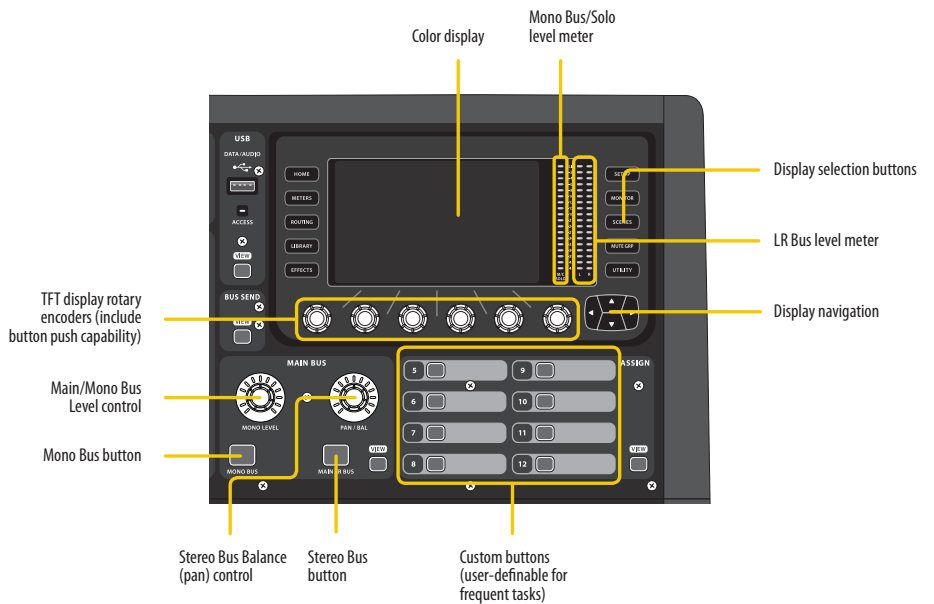


- Powerful scene management for convenient handling of complex productions
- 48-channel Digital Snake ready** via AES50 ports, featuring KLARK TEKNIK's SuperMAC networking capability for ultra-low jitter and latency
- USB type-A connector providing file storage and uncompressed stereo recordings plus show presets and system updates
- Dedicated and easy-to-use channel strip section with direct access controls and graphic user interface for intuitive workflow
- Additional user-definable control section allows to set up short-cuts to your favorite views or parameters
- ULTRANET connectivity for BEHRINGER's P16 Personal Monitoring System**
- Networked remote control via Ethernet for show setups with on-screen software editor
- Built-in expansion port for audio interface cards or digital networking bridges
- MIDI In/Out for remote scene recall or controlling other MIDI equipment
- Future firmware updates, incl. new FX "Plug Ins", downloadable from behringer.com free of charge
- Conceived and designed by BEHRINGER Germany

Input Channel Preamp, Dynamics and EQ Panel



Main Display

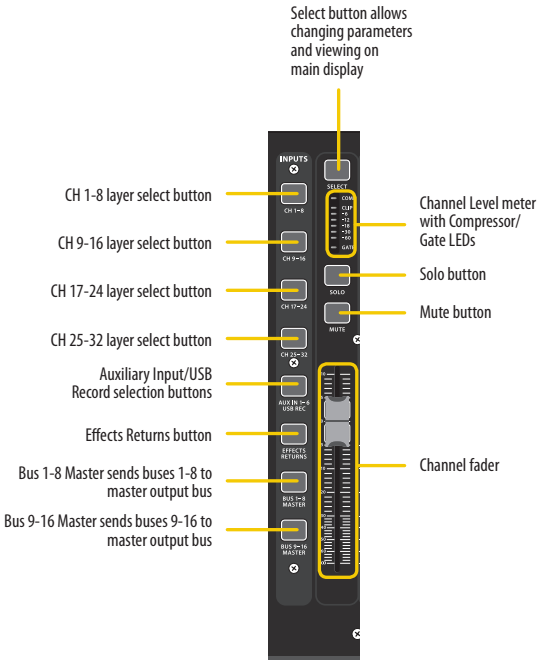


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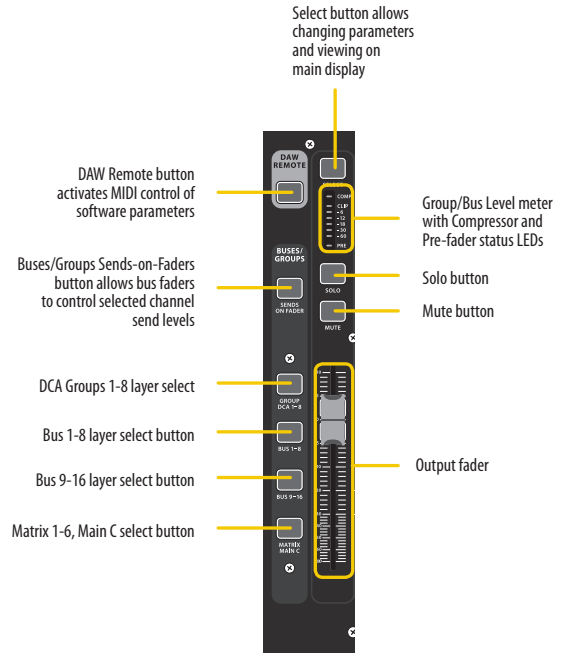
**P16 Personal Monitoring System and Digital Snake are not included.



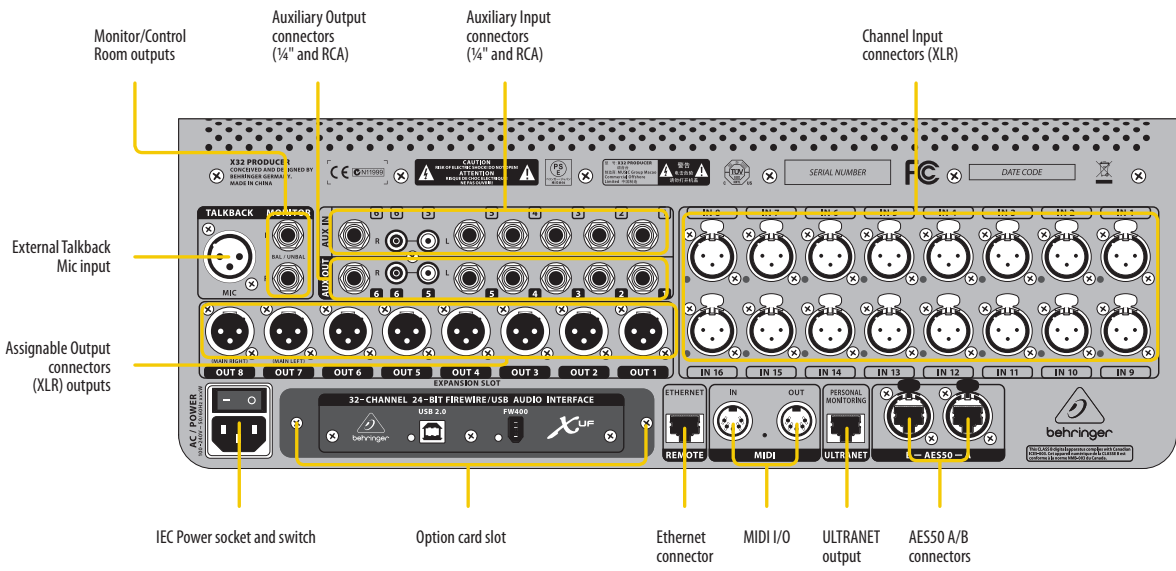
Input Channel Strip



Output Channel Strip

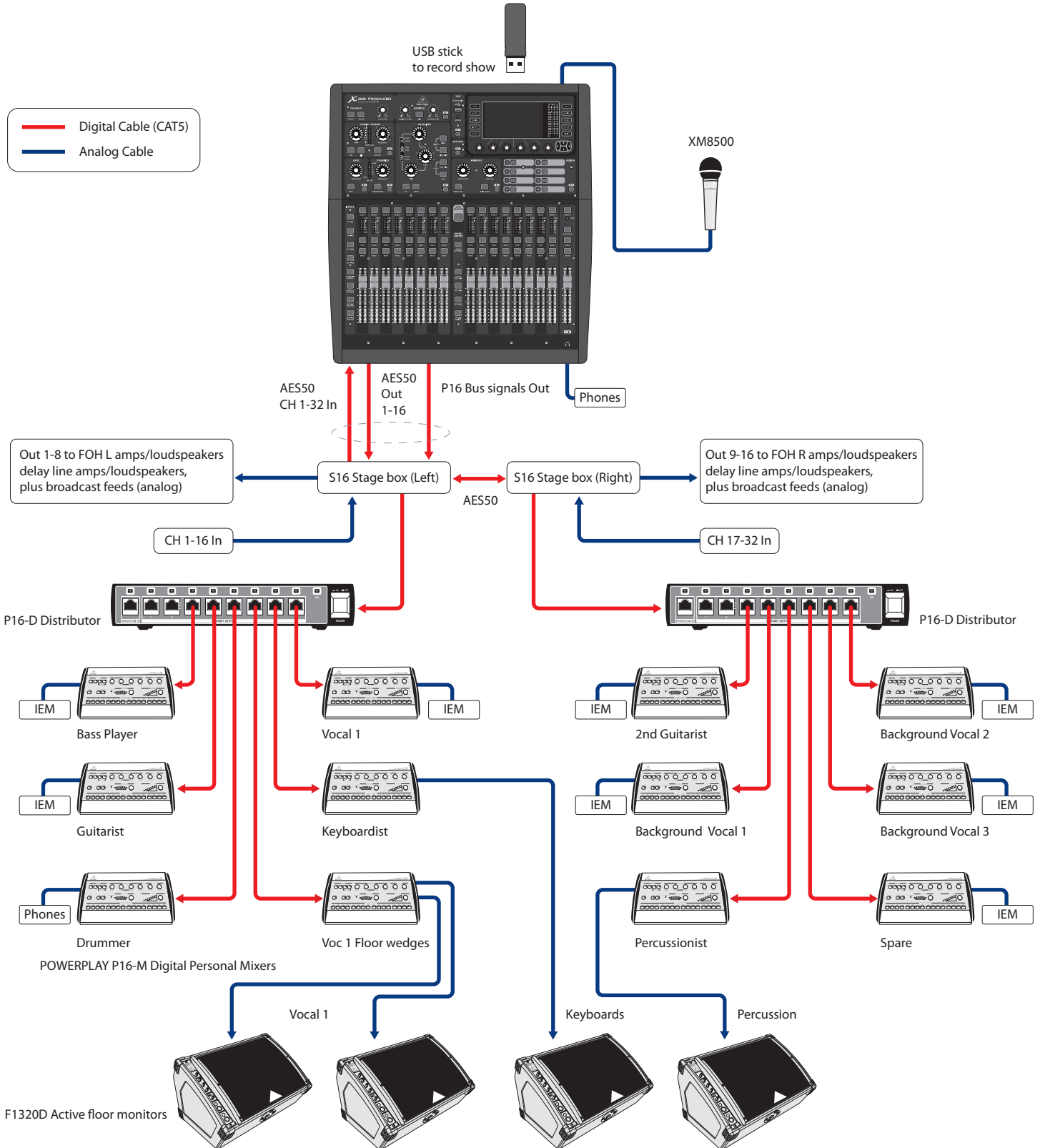


Rear Panel Input Patchbay





X32 PRODUCER Live Performance Setup with S16 and P16 Monitor System





Specifications

Processing

Number of processing channels	32 input channels, 8 aux in channels, 8 FX return channels, 16 buses, 6 matrices, main LRC
Internal effects engines, true-stereo / mono	8 / 16
Internal total recall scenes (inkl. preamp and fader)	100
Signal processing	40-bit floating point
A/D-D/A conversion (Cirrus Logic A/D CS5368, D/A CS4385)	24-bit @ 44.1 / 48 kHz, 114 dB dynamic range
Local I/O latency (local in > console processing* > local out)	0.8 ms
Networked I/O latency (stagebox in > console processing* > stagebox out)	1.1 ms
Total number of accessible input sources / outputs	150 / 158

Connectors

XLR inputs, programmable mic preamps, designed by MIDAS	16
Talkback mic input, XLR	1 ext. (no internal mic)
RCA inputs/outputs	2/2
XLR outputs	8
Monitoring outputs, ¼" TRS balanced	2
Aux inputs/outputs, ¼" TRS, balanced	6/6
Phones outputs, ¼" TRS	1 stereo (in front armrest)
Digital AES/EBU output, XLR	—
AES50 ports, SuperMAC	2
Expansion card (optional)	32 channel audio input/ output, various standards
P-16 connector, Ultraset (no power supplied)	1
MIDI inputs / outputs	1 / 1
Ethernet, RJ45, rear panel, for remote control	1
USB Type A, top panel, for audio and data export/import	1

Mic Input Characteristics

Preamp Design	MIDAS
THD + noise, 20 dB gain, 0 dBu out	< 0.006% A-weighted
Input impedance XLR, unbal. / bal.	5 kΩ / 10 kΩ
Non clip maximum input level, XLR	+23 dBu
Phantom Power, switchable per input	48 V
Equivalent input noise level, XLR (input shorted)	-128 dBu
CMRR, XLR, @ 20 dB gain (typical)	> 70 dB
CMRR, XLR, @ 40 dB gain	> 80 dB

Input/Output Characteristics

Frequency range, @ 48 kHz sample rate, 0 dB to -1 dB	10 Hz - 22 kHz
Dynamic range, analog in to analog out (typical)	106 dB
A/D Dynamic range, preamp and converter (typical)	109 dB
D/A Dynamic range, converter and output	108 dB
Cross talk rejection @ 1 kHz, adjacent channels	100 dB
Output level, XLR, nom./max.	+4 dBu / +21 dBu
Output impedance, XLR, unbal. / bal.	75 Ω / 75 Ω
Input impedance TRS Jack, unbal. / bal.	20 kΩ / 40 kΩ
Non clip maximum input level, TRS	+16 dBu
Nominal output level, TRS	+4 dBu / +16 dBu
Output impedance, TRS, unbal. / bal.	150 Ω / 300 Ω
Phones output impedance / level	40 Ω / +25 dBm (stereo)
Residual noise level, XLR and TRS	-87 dBu A-weighted

Indicators

Main Screen	5", 800 x 480, 262k color TFT
Main Meter	-57 dB, -54dB, -51 dB, -48 dB, -45 dB, -42 dB, -39 dB, -36 dB, -33 dB, -30 dB, -27 dB, -24 dB, -21 dB, -18 dB, -15 dB, -12 dB, -10 dB, -8 dB, -6 dB, -4 dB, -3 dB, -2 dB, -1 dB, Clip
Rear Panel	—

Power

Switch-mode autorange power supply	100-240 V (50/60 Hz)
Power consumption	120 W

Physical

Dimensions	
Weight	

*incl. all channel and bus processing, excl. insert effects and line delays

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