Digital Mixers

X32 PRODUCER

40-Input, 25-Bus Rack-Mountable Digital Mixing Console with 16 Programmable MIDAS Preamps, 17 Motorized 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, phones connector and a talkback section with integrated or external mic
- 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 P-16 Personal Monitoring System**

Networked remote control for show setups with on-screen software editor via Ethernet

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

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

Select button allows changing parameters and viewing on main display.

- CH 1-8 layer select button
- CH 9-16 layer select button
- CH 17-24 layer select button
- CH 25-32 layer select button
- Effects Returns button
- Bus 1-8 Master sends buses 1-8 to master output bus
- Bus 9-16 Master sends buses 9-16 to master output bus
- Channel Level meter with Compressor/Gate LEDs
- Solo button
- Mute button
- Channel fader

Output Channel Strip

Select button allows changing parameters and viewing on main display.

- DAW Remote button activates MIDI control of software parameters
- Buses/Groups Sends-on-Faders button allows bus faders to control selected channel send levels
- DCA Groups 1-8 layer select
- Bus 1-8 layer select button
- Bus 9-16 layer select button
- Matrix 1-6, Main C select button
- Channel Level meter with Compressor and Pre-fader status LEDs
- Solo button
- Mute button
- Output fader

Rear Panel Input Patchbay

- Monitor/Control Room outputs
- Auxiliary Output connectors (¼" and RCA)
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- Channel Input connectors (XLR)
- IEC Power socket and switch
- Option card slot
- External Talkback Mic input
- Assignable Output connectors (XLR) outputs
- Ethernet connector
- MIDI I/O
- ULTRANET output
- AES50 A/B connectors

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X32 PRODUCER Live Performance Setup with S16 and P16 Monitor System

**Drummer**

**Guitarist**

**Bass Player**

**Vocalist 1**

**Keyboardist**

**Percussionist**

**Background Vocal 1**

**Background Vocal 2**

**Background Vocal 3**

**Phones**

**Powerplay P16-M Digital Personal Mixers**

**F1320D Active Floor Monitors**

**S16 Stage Box (Left)**

**S16 Stage Box (Right)**

**P16-D Distributor**

**XM8500**
### Specifications

#### Processing

<table>
<thead>
<tr>
<th>Number of processing channels</th>
<th>32 input channels, 8 aux in channels, 8 FX return channels, 16 buses, 6 matrices, main LRC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal effects engines</td>
<td>true-stereo / mono</td>
</tr>
<tr>
<td>Internal total recall scenes</td>
<td>100</td>
</tr>
<tr>
<td>Signal processing</td>
<td>40-bit floating point</td>
</tr>
<tr>
<td>A/D-D/A conversion</td>
<td>24-bit @ 44.1 / 48 kHz, (Cirrus Logic A/D CS5368, D/A CS4385)</td>
</tr>
<tr>
<td>Local I/O latency</td>
<td>0.8 ms</td>
</tr>
<tr>
<td>Networked I/O latency</td>
<td>1.1 ms (stagebox in &gt; console processing, &gt; stagebox out)</td>
</tr>
<tr>
<td>Total number of accessible input sources / outputs</td>
<td>150 / 158</td>
</tr>
</tbody>
</table>

#### 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) |
| AES3 ports, SuperMAC | 2 |
| Expansion card (optional) | 32 channel audio input / output, various standards |

#### Mic Input Characteristics

| Preamp Design | MIDAS |
| Preamp + noise, 20 dB gain, 0 dB 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 | 10 Hz - 22 kHz |
| Dynamic range, analog in to analoug 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 |
| Input 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 |
| Rear Panel | --- |

#### Power

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

#### Physical

| Dimensions |
| Weight |

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

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