



DigiMax™ DP88

8x8 96 kHz Preamplifier / Converter with ADAT™ / Dual SMUX I/O



The next-generation DigiMax™ DP88 A/D/D/A converter is the perfect companion to expand the new PreSonus® Studio 192 Studio Command Center or any professional audio interface with ADAT I/O. Building on the DigiMax legacy, PreSonus has innovated on the eight-channel A/D converter again by adding eight fully recallable, digitally controlled, analog XMAX™ preamps with pristine audio quality up to 96 kHz. Like its predecessors, the DigiMax DP88 provides the connectivity and flexibility to make it a perfect fit in any professional or home studio environment.

- Remote control your XMAX™ preamps from the front panel or from within your DAW using standard MIDI messages.

- DAC outputs expand the analog outputs of your audio interface for monitor mixes, speaker switching, and more.
- Direct A/D inputs let you connect a boutique preamp directly to the converter without repatching cables, thanks to per-channel front-panel control.
- Audiophile-grade, Burr-Brown analog/digital/analog converters with 118 dB dynamic range.
- 24-bit operation at 44.1 kHz, 48 kHz, 88.2 kHz, and 96 kHz sampling rates.
- Tight integration with Studio 192 Studio Command Center lets you control preamp settings from Studio One 3 or UC Surface.

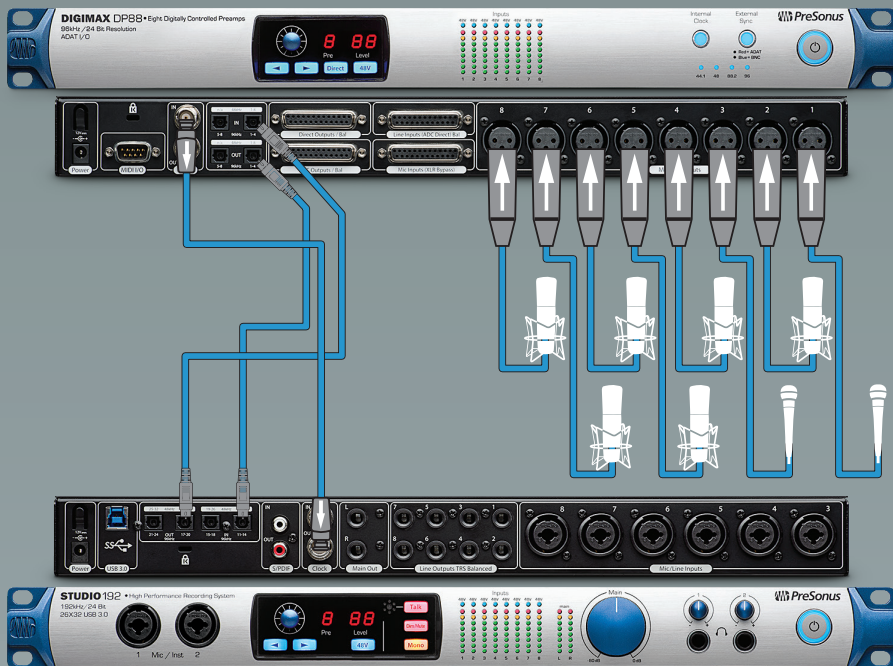
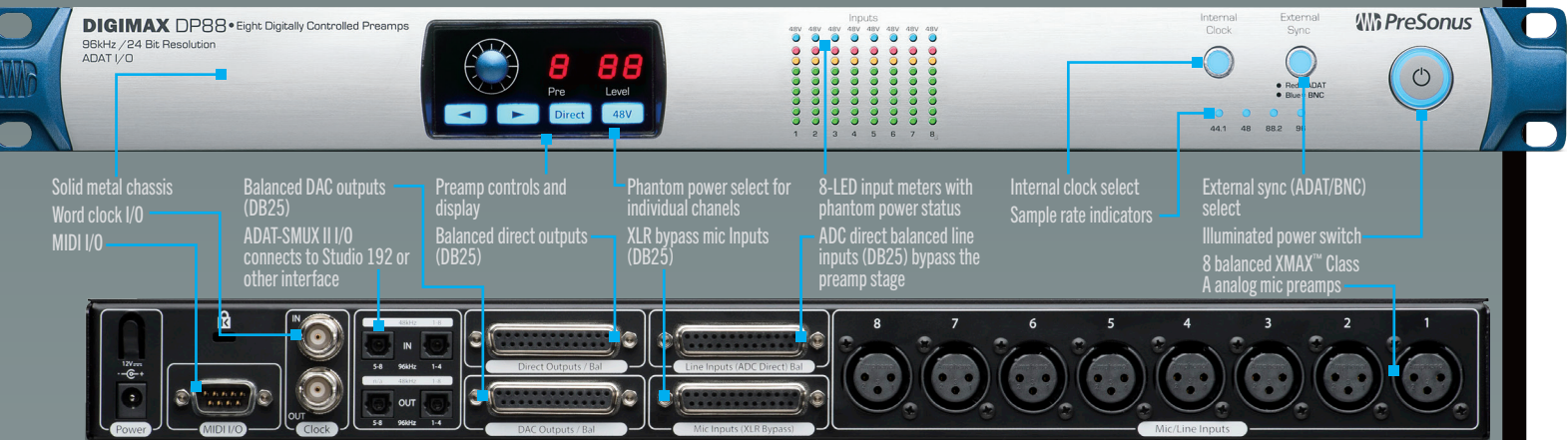


DigiMax™ **DP88** 8x8 96 kHz Preamplifier / Converter with ADAT™ / Dual SMUX I/O

Only the DigiMax DP88 provides professional sound quality and feature set previously unavailable in its class: Eight digitally controlled Class A microphone preamps; top-quality Burr-Brown converters with 118 dB of dynamic range; a boast-worthy, sub-50 picosecond digital clock; and flexible connection options, like direct-to-ADC line inputs, DAC outputs, direct outputs, and DB25 or XLR mic inputs. Like the original DigiMax

and its predecessors, the DigiMax DP88 is sure to be the new standard for eight-channel converters.

- Flawless analog signal path with top-quality 118 dB Burr-Brown digital conversion, and 24-bit resolution
- 8 digitally remote-controlled XMAX™ microphone preamps
 - Controlled from front panel or standard MIDI using simple CC messages to remote control and recall preamp settings
 - Controlled from UC Surface and Studio One 3.0 when connected to Studio 192
- Individual 48V phantom power with LED indicators
- 8 x 8-LED input metering
- 8 Balanced Direct A/D Line Level inputs (DB25)
- 8 Balanced DAC Outputs (DB25) to expand your interface outputs
- 8 Balanced Direct Outputs (DB25)
- 8 XLR Bypass Mic Inputs (DB25)
- BNC Wordclock I/O
- MIDI I/O
- Solid metal chassis



Selected DigiMax DP88 Specifications

(see www.presonus.com for full specs)

Microphone Preamp

Maximum Input level (min. gain, 1 kHz@0.5% THD+N)	-12 dBu, +0.5 dB
Gain Control Range	85 dB, +1 dB
Frequency Response (A-D)	10 Hz to 40 kHz, +0.2 dB
Dynamic Range (min. gain, a-wtd)	> 110 dB
THD+N (min. gain, a-wtd)	< 0.005%
EIN (-55 dB gain, 1500 input, 20 Hz-22 kHz, a-wtd)	< 128 dB
Common Mode Rejection Ratio (1 kHz, -55dB gain)	> 55 dB

Line Inputs

Maximum Input Level (min. gain, 1 kHz@0.5% THD+N)	-18 dBu, +0.5 dB
Frequency Response (A-D)	20 Hz to 20 kHz, +0.2 dB
Dynamic Range (min. gain, a-wtd)	> 114 dB
THD+N (1 kHz, -1 dBFS, a-wtd)	< 0.005%
Crosstalk (1 kHz, channel-to-channel)	< -80 dB
THD+N (1 kHz, -1 dBFS, un-wtd)	< 0.005%
Output Impedance	51 Ω
Crosstalk (1 kHz, channel-to-channel)	< -80 dB

Digital Audio

ADC & DAC Dynamic Range (A-wtd, 48 kHz)	118 dB
Bit Depth	24 bits
Internally Supported Sample Rates	44.1, 48, 88.2, 96 kHz
ADAT Optical I/O	8x8
Clock Jitter	<50 ps RMS (20 Hz – 20 kHz)
Jitter Attenuation	>60 dB (1 ns in => 1 ps out)