

# PRE

## Remote-Controllable, World-Class, Eight-Channel Mic Preamp

**M | W**  
Mac OS | Windows

### FEATURES

- Eight high-performance, discrete matched transistor hybrid microphone pre-amplification circuits
- Support for mic (XLR), direct instrument (DI) and line level inputs (1/4")
- Each channel includes a high pass filter, phase invert, 48V (phantom power) and -18 dB pad
- Fully remote controllable via Pro Tools software and Digidesign control surfaces\*; allows for the highest fidelity by keeping low-level signals close to the source
- Selectable impedance matching for mic inputs
- MIDI IN/OUT/THRU ports for remote operation
- All features supported in stand-alone mode, making PRE an ideal analog front end for any recording system

The new Pro Tools® | HD system presents professionals in music, post production, broadcast and multimedia with a comprehensive solution for high-definition audio production. Complementing a 192 kHz-capable system and world-class converters, Digidesign® further ensures unparalleled sonic fidelity with PRE™ — a high-definition, multi-channel, remote-controllable microphone preamp.

Featuring eight discrete, matched transistor hybrid mic-preamp circuits, PRE offers a pristine signal path designed specifically for the Pro Tools | HD environment. PRE accepts nearly any input signal, easily accommodating mic, line and direct instrument (DI) level inputs on all eight channels.

Comprehensive remote-controllable operation via the Pro Tools software interface or Digidesign control surfaces allows you to place PRE anywhere in the studio and retain the ability to take advantage of its entire rich feature set from where you want to operate. PRE also functions exceptionally as a stand-alone device, making the same high-end sonic quality available for non-Pro Tools applications and all standard MIDI controllers.

### WORLD-CLASS SONIC QUALITY

One of the most important aspects of a recording system, digital or analog, is to get the highest quality audio signal fed into the system from the start. PRE is designed specifically for this task.

While there are several high-quality mic preamps on the market today — many of which have become quite well known for their characteristic sonic “colorization” — PRE has been designed with a different intent in mind. Our goal was to produce a mic preamp with transparent sound. To this end, PRE’s design delivers the clearest signal possible into

Pro Tools or any other recording system. This way, you’re always in a position to choose how and when to manipulate or color the audio signal — whether it be via your favorite microphone or outboard effects processors, or with plug-ins inside the Pro Tools application.

Don’t forget that PRE features not just one, two, or four mic preamps, but eight — each of which are individually switchable to accommodate nearly any input source from the front panel or via remote control.

### FULL REMOTE CONTROL

Straightforward and thorough control of PRE is available via the front panel of the unit itself, as well as remotely from the Pro Tools software interface or Digidesign control surfaces such as ProControl® or Control | 24™. The advantage: Keep the mic preamps in the live room where they belong and operate them from the sweet spot in the control room. Whether you’re manipulating input gain, monitoring, or adjusting other channel parameters, communication with PRE remains constant and accurate.

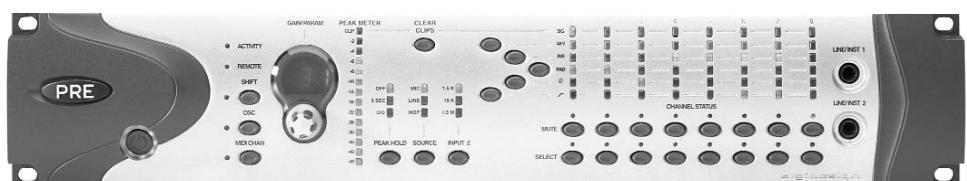
Additionally, whether you locate PRE in the control room or machine room, remote control via Pro Tools allows you to instantly recall all settings on a session by session basis. This ability to instantly store mix templates with all routing and control is unparalleled in the industry.

### FLEXIBLE CONFIGURATION

In addition to their optimized signal paths, all eight mic pre channels accommodate insert points, should you wish to manipulate the input with your favorite outboard processor. A built-in oscillator is also included for ease of use when calibrating to other peripherals, such as 192 I/O™.

### MORE FEATURES, LESS MONEY

Digidesign’s intent with PRE is to provide a custom-tailored, world-class, transparent mic pre solution specifically designed to work seam-



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lessly with your Pro Tools| HD system. Per-channel value includes selectable impedance loading for optimized mic configurations, 48 V phantom power, HPF, phase invert, balanced inserts, and -18 dB pad.

Along with eight mic/line/D.I. inputs, access to a variety of channel parameters, easily accessible jacks, MIDI-based configurability, and the ability to chain up to nine PREs together, the price/performance of PRE is simply unmatched in the audio industry.

### SYSTEM REQUIREMENTS

For the latest compatibility information, including updated computer requirements, visit Digidesign's website at [www.digidesign.com](http://www.digidesign.com).

### SPECIFICATIONS

<b>Input Stage</b>		<b>Frequency Response</b>	
Circuit Topology	Discrete Matched Transistor Hybrid	$\pm 0.5$ dB @ 40 dB gain	10 Hz – 100 kHz
Input Gain	0 – +69 dB in 1 dB steps	Maximum Input Level (any type)	+45 dBu
Mic E.I.N (unweighted)	-127 dB; @ 60 dB gain; 150 ohms source	Input Impedance	Mic 1.5 k/Line 10 k, Inst/D.I. 1.5 Mohms
THD+N @ 1 kHz @ +10 dBu	0.001% @ 0 dB gain	High Pass Filter (HPF)	75 Hz @ 18 dB/octave
CMRR	> 80 dB @ 60 Hz, > 72 dB @ 10 kHz	<b>Output Stage</b>	
Crosstalk	< -100 dB @ 40 dB gain, 1 kHz	Maximum Output	+26 dBu, balanced 600 ohms, DC coupled
Frequency Response -3 dB points	5 Hz – 1 MHz	Output Impedance	~50 ohms
		Nominal Level	+4 dBu
		Trim level	-10 dB
		Remote Mode	MIDI, IN/OUT/THRU



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