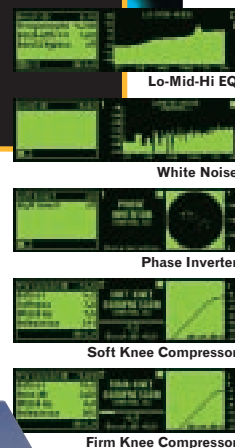


# PP10 Multiprocessor

The PP10 is without doubt the most flexible, powerful and best sounding digital processor on the market today. Providing a staggering array of dynamics and EQ programs, the PP10 is unique in its ability to handle mono, stereo and multi channel signals - making it the ideal processor to make the leap between stereo and surround sound formats.



## PP10

### DIGITAL MULTIPROCESSOR

Software packages are available for both mastering and studio applications, and extra I/O expansion slots make the PP10 capable of handling up to 8 stereo pairs simultaneously with any combination of processors inserted into each signal path. No other box comes close to offering this formidable amount of DSP power.

Sound quality is without equal - 32 bit floating point processing is used to achieve a massive 700dB of internal headroom and a noise floor of -144dB, resulting in the warmest, most transparent sound quality of any digital unit currently available. If you are searching for a digital processor, then believe us - the PP10 is as good as it gets!

### PYTHAGORAS STUDIO PLUS PACKAGE

#### Equalisers & Filters

- // Lo-Mid-Hi EQ
- // Mid-Mid-Mid EQ
- // Lo-Mid-Mid EQ
- // Mid-Mid-Hi EQ
- // Parametric EQ
- // Broad Band EQ
- // Warmth EQ
- // Narrow EQ
- // Lo Shelf EQ
- // Hi Shelf EQ
- // Harmonic Notch Filter
- // Three Band Notch Filter
- // Single Band Notch Filter
- // Lo Cut Filter

- // Hi Filter
- // Hi Cut Filter

#### Expanders & Gates

- // Expander/Gate
- // Noise Gate
- // Downwards Expander
- // Soft Knee Expander
- // Firm Knee Expander

#### Compressors & Limiters

- // Soft Knee Compressor
- // Firm Knee Compressor
- // Kneeless Compressor
- // Hyper Compressor
- // Brickwall Limiter
- // Soft Clipper

- // Ducker
- Sound Generation**
- // Tone Generator
- // White Noise Generator
- // Metronome

#### Delays, Wiring & Mixing

- // Micro Delay
- // Phase Inverter
- // Dual Mono Router
- // Crossfade
- // Mix
- // Peak Follower
- // Link
- // Switch
- // Clone

### PYTHAGORAS MASTERING SOFTWARE

Specifically aimed at mastering high-end audio, the Pythagoras Mastering Software is identical to the Studio Plus without the 'Peak Follower' or 'Link' processors but with the following additions:

- // Mid Band Compressor
- // Lo Shelf Compressor
- // Hi Shelf Compressor
- // Notch Compressor
- // Dither and Noise Shaping
- // Azimuth Corrector
- // Stereo Image Mixer

### BASE MODEL

Sampling rate	44.1, 48, 88.2 and 96kHz
DSP processor	Texas Instruments TMS 320C31, 32 bit floating point, 60MHz
Digital I/O	AES/EBU and SPDIF - 24 bit
MIDI port	MIDI In, Out and Thru (5 pin DIN)
Remote port	7 pin DIN (RS422 and +5VDC)
Wordclock input	BNC, TTL
Power requirements	AC supply, 85-264VAC and 110-340VDC
Power consumption	45W
Dimensions	89 x 483 x 335mm (2U 19")
Nett weight	7.7kg
Shipping weight	9.7kg

### HARDWARE OPTIONS

Input/Output	Up to 7 extra I/O modules can be incorporated in the PP10 chassis
Stereo digital I/O module	As per base specification
Stereo analogue I/P module	
Connectors	2 x female XLR, electronically balanced
Resolution	20-bit A/D, 64 x oversampling
Nominal level	+4dBu
Peak level	+21dBu
Input impedance	31kohm
Stereo analogue O/P module	
Connectors	2 x male XLR, electronically balanced
Resolution	18-bit D/A, 64 x Delta-Sigma conversion
Nominal level	+4dBu
Peak level	+21dBu
Output impedance	<55ohms

SPECIFICATIONS

*"Any doubts you may have had about the validity of digital equalisation or dynamic control will be totally blown away by simply using and listening to this machine"*

Audio Media

Due to a policy of continuous development, the above specifications are subject to change without notice. E&OE

"Probably the most open-ended, flexible digital signal processor the business has yet seen"  
// STUDIO SOUND

"The best compressor I've ever heard"  
// MIX MAGAZINE