

The Quint Audio P1 loudspeaker controller is a 2 input 4 output fixed architecture digital processor with a focus on high audio performance and easy programming. It features IIR and FIR filtering and digital I/O flexibility.

The P1 provides a state of the art 96kHz sampling 40 bit floating point DSP engine, 24 bit converters and precise algorithms.

DESIGN:

On board the P1 a combination of factory system settings and fully programmable settings is present. Standard DSP functions are joined by the addition of dual FIR crossover filters per output and digital I/O - 2x4 AES/EBU.

Inputs can be matrix-mixed to any or all outputs. Ethernet and USB configuration & control connectivity is standard. The processor can be programmed with the software.

APPLICATIONS:

FOH loudspeaker management; floor monitors; recording studio monitor DSP; broadcast production; time/phase crossover alignment; fixed audio installations; room EQ; acoustic correction.

FEATURES:

- 96kHz, 40 bit floating point DSP engine
- 24 bit converters
- 2x4 XLR line level input/output
- digital I/O: 2x4 AES/EBU
- Ethernet and USB connectivity
- software GUI
- matrix mixer
- 31 Band, 1/3 octave GEQ per input
- 8 Band PEQ per input and output
- dual IIR crossover filters per input and output with Bessel, Linkwitz-Riley & Butterworth slopes
- up to 650ms delay per input/output
- input compressors and output limiters
- phase correction
- 30 presets / password protection
- optional external controls



SYSTEM PARAMETERS:

no. of programs	30
delay units	ms, ft, m
frequency modes	36 steps/oct - 1Hz resolution
security locks	Password
channel names	6 characters

CONNECTORS:

analog	3 pin XLR
digital	25-pin DB-25 (AES/EBU)
USB	type B
Ethernet	RJ45

GENERAL:

power	100-240 VAC (50/60Hz) 20VA
dimensions (wxhxd)	483x44x229mm
weight	4,6 kgs

