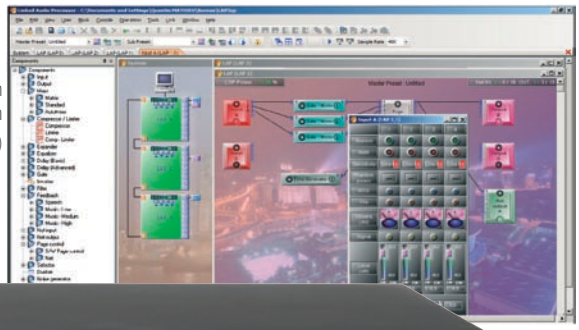
LAPG2

Networked Linked Audio Processor



Easy to use PC software for system design and control (GUI)

LAPG2 Features

- Free DSP architecture.
- CAT5 and fiber optic redundant audio networking capabilities.
- Internal processing of audio signals can be fully programmed to suit the client's application.
- Excellent sound quality (24 bits, 48 KHz and 96 KHz sampling).
- Impressive array of signal processing tools.
- Easy to use PC software for system design and control (GUI).
- Advanced Preset manager.
- Powerful microphone paging and remote control functions.
- Highly flexible input and output configurations.
- Two 600 Mflops DSPs.
- Up to 32 LAPs on the network.
- Latency < 1 msec.
- Up to 32 microphones per LAP.
- Up to 32 remote controlers per LAP.
- 100 V and Low impedance surveillance.
- EN 60849 and BS 5839 compliance.

LAPG2

LAPG2 - 4In12Out
4 Inputs - 12 outputs Audio processor

LAPG2 - 8In8Out
8 Inputs - 8 outputs Audio processor

LAPG2 - 12In4Out
12 Inputs - 4 outputs Audio processor

LAPG2 - 16In
16 Input Audio processor

LAPG2 - 16Out
16 outputs Audio processor

Designed for PRO Audio and Commercial applications, the LAPG2 Networked linked Audio processor are the first products to combine secured networking and PRO-sound requirements.

Sonic excellence

The advanced 24 bits A/D and D/A convertors, together with the 96 kHz-capable audio processing and the 400 mHz SIMD SHARC core, capable of 2.4 GFLOPS peak performance, guarantee an excellent sound quality and low latency.

Impressive array of signal processing tools

The LAPG2 are comprehensive systems which integrate pre-amplifier, compressor-limiter, equalizer, as well as matrixing and delay functions into one unit. Useful features like Automatic Gain Control, Feedback killers, Automatic Microphone mixers and Crossovers are also part of the LAPG2 DSP components library.

This new generation provide a message storage component which able to store several audio message in the LAPG2.

The following events: Play a message, change master preset, sub preset, element adjustment or set the TTL out can be controlled by third party protocol, by an analog input or by the scheduler. The scheduler can lead all the events described above. Internal processing of audio signals can be fully programmed to suit the client's application.

Installers can select the audio processing feature(s) which they wish to apply to the various inputs and outputs from a library on their PC, using software provided with the LAPG2. Once the configuration process is completed, it can be loaded into the LAPG2. All configurations can be backed-up onto PC and loaded into the LAPG2 as and when required.

Advanced Preset manager

The LAPG2 includes two types of presets :

- More than 20 Parameter presets : they enable values of multiple parameters of the same design, such as levels, gains, EQ, etc. to be restored either from the PC software, the remote controllers or the control inputs.
- More than 10 Design presets : they enable completely different designs to be restored. An application example for this feature are hotel meeting rooms with removable walls.

Furthermore, LAPG2 now provides a TCP/IP port with RJ45 connector. PC-based custom control panels can now operate the LAPG2 from remote locations through a TCP/IP network.