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DAC DIGEST



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DIGITAL AUDIO CORPORATION
A DRI COMPANY

"Principal Supplier of Audio Enhancement Technology to Law Enforcement and Security Agencies Worldwide"

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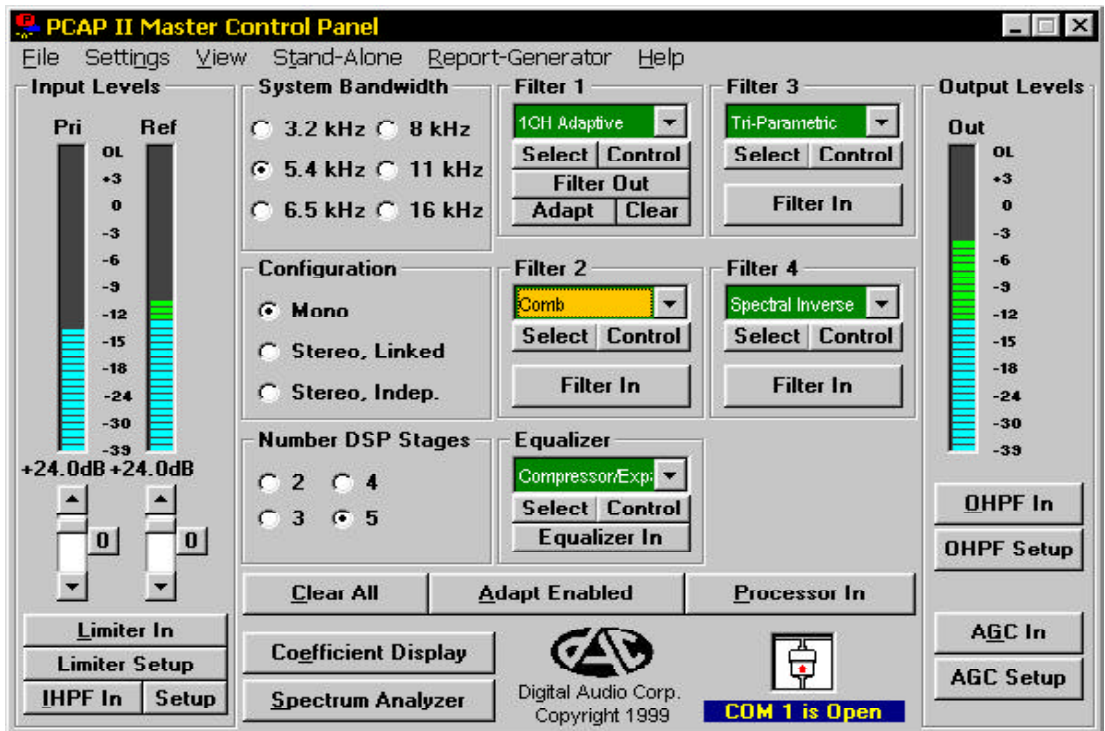
NEW NAME FOR NEWSLETTER!!!

You will notice we have changed the name of our newsletter from *Noiseless News* to *DAC Digest*. This name was selected by the employees of DAC to reflect our interest in audio products and the people who use them.

PRODUCTS

FREE SOFTWARE UPGRADE!

PCAP II V11.0, MCAP V4.0 Now Available....



The PCAP II Master Control Panel

DAC DIGEST

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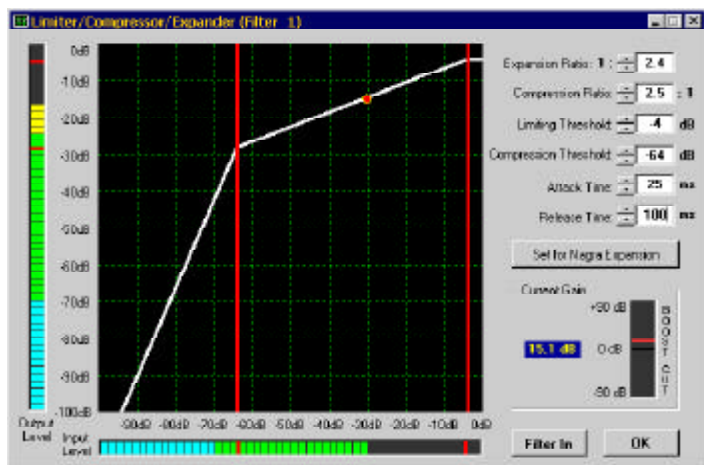
The long-awaited software upgrades for the PCAP II and MCAP are finally available after an extensive overhaul. For all customers who own the PCAP II, Version 11.0 is available; and, for customers who own the MCAP, Version 4.0 is available. An upgrade CD, which will include both the new Windows™ software and a firmware update, will be shipped free of charge to any customer who requests it. (See page 4.) Also included in the package will be an Upgrade Instruction Sheet, a new User's Manual, and a Training CD.

Most of the difficult work of the upgrade had to do with upgrading the Windows

software for complete compatibility with 32-bit Windows, including Windows 98/2000/NT. Many subtle changes were made: the addition of drop-down menus for selecting desired filters directly from the Master Control screen; "fly-by" descriptions of each control as the cursor moves past it; and working "X" boxes to allow the control windows to be exited without having to click on "OK." There has also been a complete facelift of the user interface to give it the new Windows look, and the built-in help system has been completely revised.

A new feature common to both PCAP V11.0 and MCAP V4.0 is the addition of

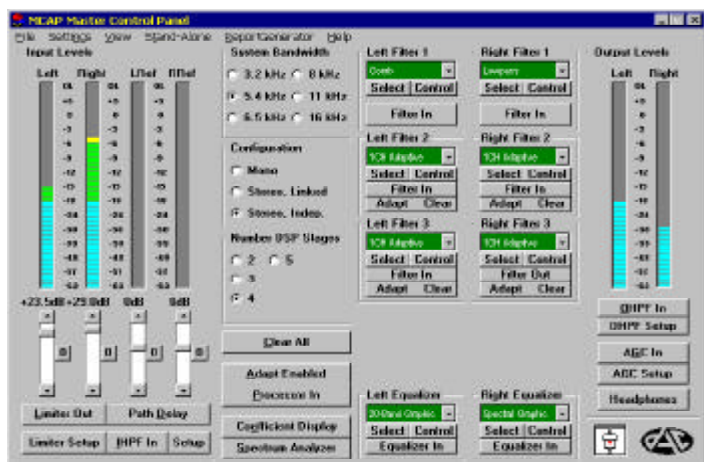
the Limiter/Compressor/Expander dynamic gain processor. This is a very powerful tool that allows the user to intuitively manipulate the actual limiter, com-



Limiter/Compressor/Expander

pression, and expansion “curves” while applying dynamic gain processing to a signal. This allows the user to improve near party/far party audio, to attenuate background noises during pauses in speech, to compress enhanced audio prior to recording onto analog tape, or to restore previously compressed audio to its normal dynamic range during playback. There is even a built-in expansion curve that allows proper playback of NAGRA SNST tapes without the special expansion processor!

Another enhancement that is common to both PCAP II and MCAP is the improved Report Generator. The major improvement is that the setup Description, a page/sequence number, a date stamp, and a place for the examiner’s initials is printed on every page of the report. This is consistent with the new record



MCAP Master Control Panel

keeping practices being adopted by major law-enforcement agencies. There is also improved printer support, which will allow the user to actually select

the printer that is to be used, rather than forcing the “system printer” to be used as on the old version.

For PCAP II, all ten STAND ALONE memories are now supported, and complete filter setups can be stored in each one. Also for PCAP II, the Parametric Equalizer has been added, which provides equalization capability very similar to that provided on the analog Urban units, except in a digital implementation. The 460-line Spectrum Analyzer has been improved to allow Peak Hold averaging, as well as a sizable display that can be expanded to full screen for improved resolution. Other features that previously existed only on the MCAP, such as the adjustable cutoff Input and Output Highpass filters and the improved allocation of adaptive filter taps, have also been added.

Please contact DAC (see page 4) if you would like to have this exciting no-charge upgrade shipped to you today.

DAC RELIABILITY

By Steve Zimmerman



As I enter my fifteenth year as Operations Manager for Digital Audio Corporation, I can honestly say that I am proud of the reliability of the equipment we manufacture. I wish I could say that the Operations Department has never had a DAC unit come back in need of repair. Anything electronic or mechanical can break down.

Every product that leaves our facility goes through extensive testing and burn-in. If one does come back for repair, we have always tried to return it to our customer as soon as possible.

In recent months we have had to repair a DAC150, which has been in use by one of our customers for over 15 years. The repair was minor and fixed right away. In another recent incident a customer called us about a problem with a PDF2048, a product that was at least 10 years old. He had been using the product for so long that the BNC connectors wore out. He felt the repair could be done in-house, so we sent him new BNC connectors. Folks, that’s reliability.

Product reliability is based not just on product manufacture, but on design and engineering, too. In the past, we used many panel mount and through-hole components. Now we use surface mount components wherever possible, increasing our product reliability even further.

When a new DAC product enters the market, you can be certain that reliability has been built into it. You can rest assured that we stand behind every product we sell.

To tweak an old Westinghouse slogan: Reliability goes in before the DAC label goes on.



NEWS

**NEW TOLL-FREE NUMBER FOR DAC!!!
NEW TOLL-FREE FAX FOR DAC!!!**

With DAC's new toll-free numbers, customers in the US and Canada no longer need call or fax us long-distance! The new numbers are:



**1-877-5DACAUD (1 877 532 2283)
1-877-5DACFAX (1 877 532 2329)**



Please note these new numbers; and next time, feel free to make your call or fax on our nickel!



**PCAP II TRADE-IN PROGRAM
Get in on this special offer . . .**

DAC will be running a trade-in program on the PCAP II until 31 December 2000. It will include all the new software capabilities described previously. New capabilities of the PCAP II vs. the PCAP include S/PDIF digital I/O, 24-bit sigma-delta analog I/O, ten STAND ALONE memories vs. four, and smaller, more lightweight packaging.

For any customer who wishes to trade in his or her original PCAP toward the purchase of a PCAP II, DAC will provide a USD5,000 trade-in allowance. Refer to the table below for trade-in credits for other DAC products. Contact DAC today to get in on this special offer while it lasts!

Product Trade-In Credit Toward PCAP II

Original PCAP	USD5,000
PCDF4096	USD4,000
DAC4096T	USD4,000
DAC1024T	USD3,000
Other DAC Products	Contact DAC

**DAC SCHOOLS IN AUSSIELAND
Sydney and Perth host sessions . . .**



Two DAC Schools were held in Australia in March. DAC's founder, Dr. Jim Paul, and Bruce Maddison of Technical Support Equipment, DAC's long-standing Australian dealer, conducted the schools. The Sydney school was conducted at a location near the New South Wales Crime Commission, and the Perth school was held at the Western Australia Police training facility. DAC is grateful to both organizations for making their facilities available for these events. A total of 29 students from eight different government organizations attended. The participant reaction was outstanding, and all seemed to be pleased with the information and experience obtained. These two DAC schools bring the total to five held in Australia since 1994.

The new instruction format was used in these schools. Instruction consisted of both lecture and hands-on training. The lecture included discussion of signal measurement, spectral analysis, noise definition, speech analysis, recorder and microphone technology, analog and digital audio filtering, tape enhancement methodology, and surveillance audio filtering. The presentation was supported by graphic aids and a comprehensive instruction manual.

Nearly half of the school involved hands-on instruction. A workstation was set up for each pair of students and included a PCAP II, notebook computer, CD player and training CD, and headphones. The PCAP is an ideal platform on which to conduct the school. It includes virtually all the filtering, spectral analysis, and dynamic gain tools needed for comprehensive audio enhancement.

Digital Audio Corporation sees DAC school as a key component of our customer-support program. Two Raleigh schools and one UK school are also scheduled for the current year.



PCAP4600S SALE CONTINUES

DAC has a limited supply of reconditioned PCAPs available. These units have been refurbished by DAC, and carry the same 24-month parts and labor warranty as DAC's new products. They are being offered at a special discount price, over 40% off standard list. Contact DAC today to take advantage of this unique opportunity!



FREE SOFTWARE UPGRADE!

You can receive your free PCAP II or MCAP software upgrade just by contacting DAC. (See page 1 article.) You can email us at upgrade@dacaudio.com or you can fax back this page to 877 5DACFAX (877 532 2329).

Either way, you will need to tell us

- **PCAP II** **or MCAP**
- **serial number of product** _____
- **your current address**

Name _____

Organization _____

Street Address _____

City, State, Zipcode _____

Phone: _____ **Fax:** _____ **Email:** _____

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