



DAC DIGEST

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DIGITAL AUDIO CORPORATION

A DRI COMPANY

"Technology to Make Listening Easier"

IN THIS ISSUE:

- NATIA REVIEW
- QE-AS FOR AVID USERS
- INTRODUCING:
QE-1500 AND SSABR
RELEASE 2
- SOUND BYTES
- 2Q02 DEALER AWARD
- SHOW SCHEDULE
- 2002 DAC SCHOOL
SCHEDULE
- DIGITAL CONNECTIONS

**DAC PRODUCTS
ARE
AVAILABLE
THROUGH
GSA ADVANTAGE!**

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GSA★Advantage!

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NEWS

NATIA Phoenix ~ One of our Hottest Shows Ever! *QuickEnhance™ Products make NATIA debut*

If you thought the Arizona desert weather was hot outside the Civic Center, you should have seen things heating up inside at the DAC booth this past July at NATIA. Several new products were debuted this year at NATIA including DAC's newest line of audio clarification tools – QuickEnhance. Designed for fast, simple, and effective audio process-



DAC's hot products at the Phoenix show

ing, QuickEnhance products include the QE-10 hardware solution for lab and LP operations, the QE/AS AudioSuite plug-in for the Avid Xpress® and Digidesign® Pro Tools

editing systems, and the QE-1500 Tactical Audio Field Kit. Each of these products features five powerful, simple-to-use, digital signal processing stages including a hum filter, digital adaptive filter, broadband noise reduction filter, 10-position graphic equalizer, and an automatic gain control function. This specific collection of tools is intended to provide broad support to common surveillance noise problems such as power hum, echo, reverberation, wind, hiss, static, and near-far party imbalance.

DAC

QE/AS Upgrade Program for Avid Users *Special offer to current owners of Avid Xpress*

In cooperation with Ocean Systems, a special offer is being extended to current owners of Avid Xpress video editing systems interested in purchasing DAC's QuickEnhance™/AS forensic audio plug-in software. Through this upgrade program, current Avid users are eligible to purchase a QE/AS license for the same, discounted bundle price as if purchased with a new Avid system. For more information and pricing, please contact Doug Perkins at Ocean Systems on 301-476-8015. **DAC**



QE-AS Software Panel

SOUND BYTES

Las Vegas Technical Seminar in September

DAC will hold its next regional seminar titled, "Audio Processing in Surveillance and Countersurveillance Operations" on 26 September in Las Vegas, Nev. For more information or to register to attend, please contact Gayland Hammack, Las Vegas PD at (702) 396 8777 or the DAC office in Raleigh. **DAC**

TSE Australia Receives Top Dealer Honors

Congratulations to Bruce and Shaun Maddison of TSE Australia, our long-time dealer in Australia and New Zealand. TSE received the Top Dealer Sales award for 2nd Quarter 2002. We appreciate Bruce and Shaun's hard work and dedication on behalf of DAC and its products in Australia. Thanks again, guys! **DAC**

West Coast Audio Seminar in November

DAC will hold another regional audio seminar titled, "Audio Processing in Surveillance and Countersurveillance Operations" in November in Los Angeles, Calif. (final dates to be determined). For more information, please contact the DAC office in Raleigh. **DAC**

Technical Support Bulletins

Beginning in August 2002 DAC will publish Technical Support Bulletins (TSB's) under the Support section of the DAC website. As needed, TSB's will be issued on a product basis and will provide valuable information on known problems, fixes, and unit operation instructions. Bookmark this page and check in regularly to stay on top of the latest DAC product information. This section of the website is for current customers and does require the login ID and password to access. **DAC**

NEWS

Surf's Up for Fall DAC School

28 October through 01 November in North Myrtle Beach, SC



These aren't sound waves!

including full breakfast buffet. This same DAC School room rate will also be available for anyone interested in arriving early or departing late.

Class size is limited to 20 students and reservations are filling up fast. Don't miss this opportunity to learn more about forensic audio processing techniques and enjoy the sights and sounds of the Grand Strand! To register contact the DAC office toll free at 1-877-532-2283. **DAC**

The 2002 Fall DAC School dates and location have now been confirmed. The School will be held 28 October through 01 November in North Myrtle Beach, SC – take note, this is a change from previously published dates. The venue is the Courtyard by Marriott hotel located next to the Barefoot Landing shops and entertainment complex. A special DAC School room rate is available for attendees at US\$59.00 per night

Tactical DAC School

Practical Collection and Enhancement Techniques

DAC and ITS Consultants of Canada have teamed together to offer a new course titled "Practical Collection and Enhancement Techniques for Audio Surveillance" or Tactical DAC School, for short. Tactical DAC School is a four-day intensive training course that explores a wide variety of real-time audio surveillance scenarios and the application of audio processing techniques for improved audio collection. Attendance is restricted to bona fide law enforcement personnel. For more information about upcoming classes or to schedule an onsite class at your facility, please contact the DAC office toll free at 1-877-532-2283. **DAC**

LOOK FOR DAC AT THESE SHOWS:

- ◆ **APTA** **SEPTEMBER 23-25** **LAS VEGAS, NEV.**
- ◆ **LEVA** **OCTOBER 16-17** **MIAMI, FLA.**
- ◆ **CNOA** **NOVEMBER 22-24** **ANAHEIM, CALIF.**

TECHNICAL APPLICATIONS

SSABR Release 2.0 Software Now Available

Free of charge for current SSABR owners

Release 2.0 of the SSABR software is now available for update and shipment on new units. The primary new feature with Release 2.0 is the addition of the **DAC Image File Player** to allow instant playback of the download binary image file without the necessity of .WAV file conversion. Users will be able to make CD copies of the image file that include the image file player. The following features and updates will also be available in Release 2.0:

- Ø **Disable Local Playback** – Enable or disable the local playback function.
- Ø **Bulk Erase/Field Delete** – Enable or disable the ability to allow the user to erase the flash memory contents on the unit without connecting to the PC and downloading the data first.
- Ø **Disable LCD Timer Display** – Enable or disable the LCD display of the remaining record time available on the unit.
- Ø **Format Option Fix** – the known problem with the Format Option has been repaired.

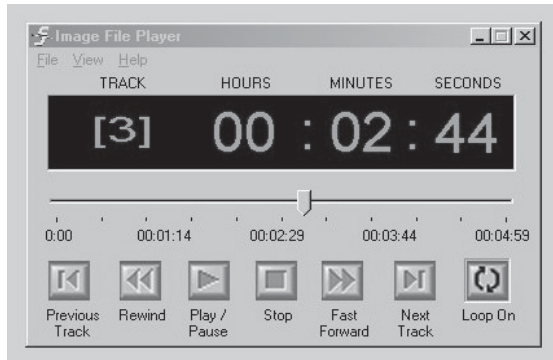


Image File Player screen shot

Release updates are available free of charge for current SSABR owners. All units shipped after August 15, 2002 will include Release 2.0 of the software. For more information, contact the DAC office or check the Support section of the DAC website.

DAC



QE-1500: Portable Processing Power

The newest entry in a growing line of QuickEnhance products

At the recent NATIA show in Phoenix, DAC unveiled the newest entry in its growing line of QuickEnhance™ audio clarification products - the QuickEnhance™ QE-1500 Tactical Audio Field Kit. The QE-1500 combines the same digital signal processing capability of the QuickEnhance QE-10 in a convenient, portable, ruggedized Pelican® carrying case. In addition, the QE-1500 includes a Sony® MiniDisc recorder for recording the processed output audio signal. Like the QE-10, the QE-1500 features five powerful, simple-to-use, digital signal processing stages including a hum filter, digital adaptive filter, broadband noise reduction filter, 10-position graphic equalizer, and an automatic gain control function. The QE-1500 accepts analog/digital, mono/stereo inputs and operates on universal AC or 12VDC power. For more information and pricing, please call the DAC office today!

DAC

got year end money?

www.dacaudio.com

Digital Audio Interconnections

Make every bit of the signal count

There are great advantages to using the digital inputs and outputs to interconnect digital playback and recording equipment with the DAC QE-10 and QE-1500. For example, unlike analog connections, only a single cable is required to carry a stereo digital signal. Also, because the signaling on the connection is digital, there can be no *audible* noise pickup due to hum, nearby machinery, or RF coupling. Finally, there is no signal loss due to A/D or D/A conversions that would otherwise be required without a direct digital interconnection.

The COAXIAL digital interface is directly compatible with the one typically found on commercial DAT recorders. Because all signaling via this interface is electrical and unbalanced, it only works properly and reliably for connections over short distances, typically 6 ft (2m) or less. Beyond this distance, the integrity of the electrical digital signal is likely to be compromised by noise, and the digital audio transmission may only work sporadically, if at all.

The TOSLINK ports are commonly found on professional audio equipment, including CD player/recorders and MiniDisc decks. Each TOSLINK output port contains a high-intensity LED, which switches on and off very quickly in response to the transmitted digital bit-stream. The light from this LED is conveyed through the fiber cable to the TOSLINK input port at the other end, which contains a photodiode sensor that reconverts the light to a digital bit-stream. Using this type of optical signaling, both noise pickup and ground loops are eliminated. Interconnect distances of 30 ft (10m) or more can be reliably achieved with perfect integrity of the digital signal at the far end.

Bottom line: When using the QE-10 or QE-1500 with digital recording and/or playback equipment, always use the TOSLINK digital interface whenever it is available. If only the COAXIAL interface is available, you can still use it – just keep it short. For more assistance, contact DAC Technical Support today!

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