

**The Three
Irrefutable Laws
of EAS**
 EAS is Not Going Away
 It Will Change
 You Must Comply

FEATURES

- Web-browser user interface with tiered security - no special software, hardware, or IT support
- Architecture supports simultaneous monitoring by all users
- Dual language support
- Stereo analog and digital audio (AES) switching with fail-safe bypass
- Clock locked to atomic reference assuring continuous accuracy
- Stores 1000's of events - with audio - in non-volatile memory
- EAS-Net™ compatible for exchanging EAS data and audio
- MultiStation™ option - One DASDEC replaces 5 separate endecs
- CAP - Common Alerting Protocol software option
- Up to 4 independent Ethernet ports - enhances network performance
- Internal triple tri-band (AM/FM/WX) high performance receiver option fully adjustable via user interface
- Internal MPEG encoding option - direct intertion into digital broadcast streams



OVERVIEW

The DASDEC-II from Digital Alert Systems (DAS) is the latest generation of emergency messaging technology available. Developed by people with over 20 years in the EAS business Digital Alert Systems knows what broadcasters need when it comes to EAS equipment – make it simple, make it reliable, and make it affordable.



Built for today. Ready for tomorrow.

The original DASDEC set the standard with its integrated receivers, advanced hardware interfaces, simple software upgrades, and network-based design. The DASDEC-II improves on this platform by leveraging common information exchange protocols and offering the on broadest range of physical connections and 3rd-party interfaces in the industry. And the DASDEC-II is designed with the future in mind, so when the inevitable change happens you're prepared with a host of additional hardware and software options. Here are some examples:

- Use any standard web-browser on PC's, Mac's, even Smartphones¹ - to view, change or activate DASDEC functions – anywhere, over an IP network. No special software, steep learning curves, or IT support.
- With its optional three internal receivers², the DASDEC-II can monitor any standard AM/ FM/WX frequency, on any individual receiver with band selection, tuning, level adjustment and even live audio monitoring over the network.
- EAS alert details are presented on an integrated NTSC character generator³ screen, or connect the DASDEC to a wide range of other 3rd-party CGs for crawling text overlays or automation control.
- An internal MPEG encoder option presents EAS text and audio for direct insertion into digital broadcast streams saving money and complexity over any external MPEG encoder system.
- Integrated stereo analog and digital (AES) audio switching with fail-safe bypass to pass signals unimpeded in the event of power failure.
- Four independent Ethernet network connections (speeds up to 1Gb⁴) more effectively manage access and firewalls across domains without complex bridges or modifying existing network equipment
- EAS-Net software offers comprehensive EAS data and audio communication between DASDEC and other EAS-Net compatible devices
- Be first with breaking news – DASDEC's unique and powerful software architecture allows multiple users to monitor the situation in real-time, not waiting for paper printing, or reading a small scrolling display. Everyone with access can see alerts as they're happening — SIMULTANEOUSLY. That's right, all at the same time. And because you can see the information without special software or displays, the number of users is virtually limitless.

Act locally. Think globally

The DASDEC-II with optional MultiStation™ software handles full EAS compliance for up to 5 unique stations or channels regardless of location; co-located – in the same physical location - or anywhere over an IP-network. Visit our website or see the “**DASDEC MultiStation for Remote and Centralcasting**” brochure for more information on this exciting technology.

Confidence in Compliance

Each EAS alert received and processed by the DASDEC-II is stored in non-volatile memory. And we mean the complete message including the incoming audio! The DASDEC also features a series of comprehensive e-mail tools to keep everyone up-to-date and aware as well as connecting to a wide range of local or network printers when hardcopies are needed. Forget managing multiple paper tape trails.

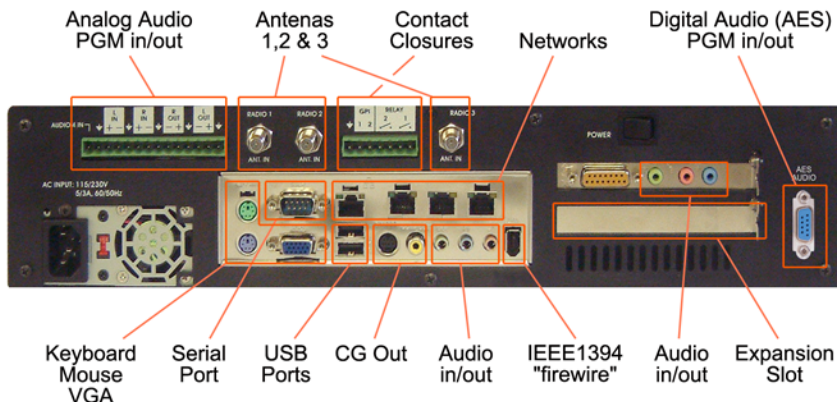
While the internal storage retains tens of thousands – several years' of EAS alert messages – there's an array of external storage options available to further your confidence in compliance. And don't worry about setting or resetting the time, DASDEC synchronizes its clock with an atomic reference to ensure it's always accurate and compliance is maintained.

CAP is coming. CAP is coming. CAP is here.

Common Alerting Protocol (CAP) is the latest in the ever-changing EAS landscape. As a founding member of the EAS-CAP Industry Group (www.eas-cap.org) Digital Alert Systems is on the forefront of this change. And, while the final standards are in flux, rest assured the DASDEC-II is the right platform for EAS-CAP integration. Please note based on final FCC/FEMA approach, it may require additional hardware or software not currently included.

Take a look. You'll like what you see.

The DASDEC-II from Digital Alert Systems, the most complete emergency messaging system available - now and for the future. Backed by a team of top developers, engineers and support professionals, the DASDEC is the EAS solution. Find out why more than 1000 facilities already use the DASDEC for their EAS needs. Contact your Digital Alert Systems representative today for a FREE on-line demonstration and to learn how you can streamline and improve your EAS requirements. Don't wait. Call **585-765-1155** or visit www.digitalertsystems.com today. The DASDEC-II from Digital Alert Systems, a division of Monroe Electronics, *the company you can trust.*



Picture shown with some optional equipment installed.

- 1 Device must have full web browser capable of secure login and HTML rendering.
- 2 Factory installed option. Please check with your DAS representative if there are any questions.
- 3 Standard in all Television and EOC packages. Optional in all Radio packages.
- 4 Using EXP-3NICGIG option.



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DASDEC-II Specifications

Audio Inputs:

- Four (4) monaural EAS monitoring inputs
- Optional **DAS3RAD** integrated receivers use 3 inputs when installed
- Optional **EXP-EAS** adds two (2) additional monaural inputs
- One-pair (1) balanced 600Ω stereo audio (program in) switched 14-pin detachable terminal strip.
- One (1) AES/EBU digital audio (program in) switched 110Ω male XLR via supplied pigtail
- Auto-set to incoming sample rate, or 48 KHz without reference input

Audio Outputs:

- Four (4) monaural, un-balanced Io-Z audio outputs
- One-pair (1) balanced 600Ω stereo audio (program out)
- 14-pin detachable terminal strip.
- One (1) AES/EBU digital audio (program out) switched 110Ω female XLR via supplied pigtail

Internal Character Generator:

- Standard RS-170A NTSC1Vpp (100IRE)
- RCA-type connector (RCA to F adapter included)
- S-Video 4-pin connector

Controls:

LAN Interface: TCP/IP Ethernet RJ45

- Standard: One (1) 10/100BASE-T RJ45
- Optional:
 - EXP-3NIC** Adds three (3) 10/100BASE-T RJ45 ports
 - EXP-3NICGIG** Adds three (3) 10/100/1000BASE-T RJ45 ports
- Each port features green link & amber data indicators
- IP addressing by DHCP (ports 1 & 2), or fixed (ports 1-4) (unit ships fixed at 192.168.0.200)

GPI/O's (General Purpose Inputs/Outputs):

- Two (2) software defined inputs
- Two (2) software defined outputs rated 2A @30VDC
- 7-pin detachable terminal strip

Serial Port

- One (1) RS232 data 9 pin "D" connector
- Optional **USB/4RS232** adds 4 additional RS-232 ports

USB ports:

- Two (2) USB V2.0/1.1 type A sockets

IEEE-139 ("FireWire")

- One (1) IEEE-1394 "FireWire" 400 6-conductor port

Local Control Ports

- Keyboard PS-2 type socket
- Mouse PS-2 type socket
- Monitor 15-pin VGA socket

Compliance:

- FCC Certified FCC ID: **R8VDASDEC-1EN**

Operating System: Supports Secure Socket Layer (SSL) based https password protected and SSH based data transfer including an internal firewall

Front Panel

- Backlit LCD matrix display: 2 rows of 20 characters
- Displays: IP address, software version, date & time, active EAS event message, user set unit name
- Dual status lamps

Optional DAS3RAD Internal Radios:

- Three independent radio receivers
- Input 75Ω input "F" type connector
- Tunable frequencies
 - AM 520 KHz to 1720 KHz
 - FM 76 MHz to 108 MHz
 - WX162.4 MHz to 162.55 MHz

Expansion Port:

- Single Expansion Slot accommodates either **EXP-EAS**, or **EXP-GPIO**, or **MPEG2-4** options

Physical Attributes:

- 19.0" W x 12.0" D x 3.50" H (2RU EIA rackmount)

Power Requirements:

- Input 120VAC @ .4 amps (48 Watts)

Weight: 15 lbs