



**AudioVAULT is Your Best Choice  
For Radio Automation**

**Here's  
Proof**





## Bullet-proof Reliability



Nobody has stronger, more robust technology than AudioVAULT.

Your system can feature redundant data networks with automatic switchover, RAID hard drive arrays, automatic content duplication on multiple servers, automatic offsite backup, and more—keeping your content safe and, error-free. All of our software releases are thoroughly tested, stable and reliable: we have the most rigorous testing and QC program in the industry, so you never feel like a guinea pig.

AudioVAULT builds on a 15-year record for robust performance, from a company that's been producing rugged broadcast equipment since 1959.

**Ask any engineer—AudioVAULT just keeps working.**

*"It's very reliable. Servers at one of our stations haven't even been rebooted for more than half a year. Parts of our system are almost ten years old, and still running with no problem."*

— Michael LeClair, Chief Engineer, WBUR Group, Boston

## Future-proof Flexibility



AudioVAULT systems offer infinite expandability.

You can configure for your unique operation now, and keep using AudioVAULT as your format or company goals change. Start with a single affordable VaultX-PRESS for voice tracking, programming, and live assist. Add unlimited storage, RDS text support, web streaming with automatic program-driven text and graphics, powerful newsroom and wire capture features, and integration with satellite services. Use scalable MPEG compression, or keep audio in pristine PCM format—even mix file formats and sample rates in the same playlist without glitches or artifacts.

AudioVAULT's integrated production tools let you perform basic editing chores in the system, and still continue to use your favorite digital audio workstations or multitrack software in your production rooms. AudioVAULT can even watch folders in your production room computers and automatically import new audio files, converting their formats as needed.

With AudioVAULT's flexibility, you can expand to a multi-server, multi-site Vault<sup>2</sup> system that automatically shares data and audio via Internet, allows you to play customized commercial loads when simulcasting programming, handles syndicated programming with ease, and can adapt to any other application you'll ever need. Our powerful macro language even lets you invent new features as you need them.

**Your AudioVAULT system will always match your station's operations.**

*"When we first bought AudioVAULT, we knew BE was committed to the future. Now we see it with RDS and Web data. We don't have immediate plans for HD radio, but I'm confident they'll be ready before we are. When we go 5.1, they'll already be there."*

— Bill Bowin, Chief Engineer, North American Broadcasting, Columbus

## Goof-proof ease of use



AudioVAULT's power never gets in the way of smooth operation.

Users don't get lost in sub-menus, and you can customize the look and feel to match to adapt to the needs of you staff. You can enhance AudioVAULT with dual monitors or full touch screen operation, and add features for integrated copy management for jocks and the newsroom. Talent can voice-track remotely, with automatic backtiming of music intros.

We're even friendly with other computer systems! Let AudioVAULT automatically import schedules from your existing traffic and music software. If last-minute changes are needed, edit the playlist with drag-and-drop ease—even from an off-site laptop. Audition cuts from almost any computer on your network: programmers can listen to imaging at their desktop, or sales reps can check spots. And AudioVAULT provides regular software updates, with new features to make operation even more user-friendly.

**AudioVAULT's ease-of-use means a smoother on-air sound.**

*"It's extremely user-friendly. Our on-air people are radio people, not technicians, and this lets them keep thinking like radio people. BE is continually asking 'what can we do to make your life easier?' Their improvements are things you can really use."*

— Jay Davis, Executive Vice-President, Centennial Broadcasting, Lynchburg



## Panic-proof support



We back you up with the largest support team of any automation manufacturer.

We're on call around-the-clock, 365 days a year. Our support people know radio, as well as computers. We've built secure remote diagnostics and testing routines into every AudioVAULT so our team can see exactly what you're seeing, while you're on the phone with them. This means issues get resolved faster. We also make your own troubleshooting easier. Our dedicated support website and forums are full of helpful tips and techniques, and we'll even set you up with our own service databases and other expert materials if you want. Or send your senior engineers to our AudioVAULT University, so they can become system gurus.

**Whatever happens, we'll get you through it.**

*"BE's customer support is very good. They go beyond the call of duty. I've got a mix of new and old hardware and found them very flexible. They even helped me convert some [other brand] automation computers to AudioVAULT."*

—Bill Sullivan, Director of Engineering, Mega Communications, Orlando

## A proven investment



You can afford AudioVAULT.

Our systems are reasonably priced, particularly when you consider their long life and total cost of ownership. You can save money by running multiple systems in the same computer. AudioVAULT is ready now for future formats and technologies, including HD Radio multicasting and multichannel surround sound, so there isn't any wasted investment. Time is also money, and you'll save with reduced downtime and productivity features like faster-than-realtime transfers from CDs and production software.

AudioVAULT can put money back in your pocket, with features like automatic log checking and reconciliation to help prevent make-goods and keep clients happy, and the ability to add last-minute sales anytime. AudioVAULT even helps create new revenue with technologies like multicasting, or Web streaming that automatically tailors ads and graphics to your programming.

**Engineers and operators like AudioVAULT.  
Accountants can love it.**

*"Price is always an issue. Our ownership approaches this as 'BE has been in business a long time, they support their product, we know they'll be there'. You're not just buying software, you're buying all that experience as well. Our frame of mind is 'you get what you pay for'."*

—Paul Thurst, Corporate Chief Engineer, Pamal Broadcasting, Beacon NY

## Let us prove it



The AudioVAULT system consists of powerful, specialized modules. We describe some of the key ones on the next few pages. They can be put together in infinite ways, to fit any kind of programming, in any size market, from a single station to a multi-site group.

Let us design an AudioVAULT system that meets your unique needs now—and will still be able to meet them when your needs change. We don't charge for helping you this way, even if you eventually go with a different automation company.

Call us at 217-224-9600, or drop a line to [bdcast@bdcast.com](mailto:bdcast@bdcast.com), and we'll start this no-obligation process.

**We're confident we'll prove that AudioVAULT is your best choice for audio automation, program generation, and data management.**

*"We just installed our third AudioVAULT. I didn't even shop around—we know we like it."*

—Bill Struyk, President and General Manager, WGHN, Grand Rapids



## Ask for proof



AudioVAULT is a proven, thoroughly integrated system for managing all of your station's audio and data, covering all the ways you reach your listeners: AM and FM broadcasting, Radio Data, HD Radio, program distribution, and Internet.

We're confident we can configure a system that fits your station, your budget, and your unique operation.

**Call us at 217-224-9600, or drop a line to [bdcast@bdcast.com](mailto:bdcast@bdcast.com), and we'll get started.**

*"When we started shopping for an automation system, we were immediately impressed with AudioVAULT's features, reliability and reputation. We made the decision to go with AudioVAULT because it offered everything we needed to grow, and have never regretted the move to AudioVAULT."*

**—Scott Curtiss, Operations Manager,  
Big Mack Broadcasting**

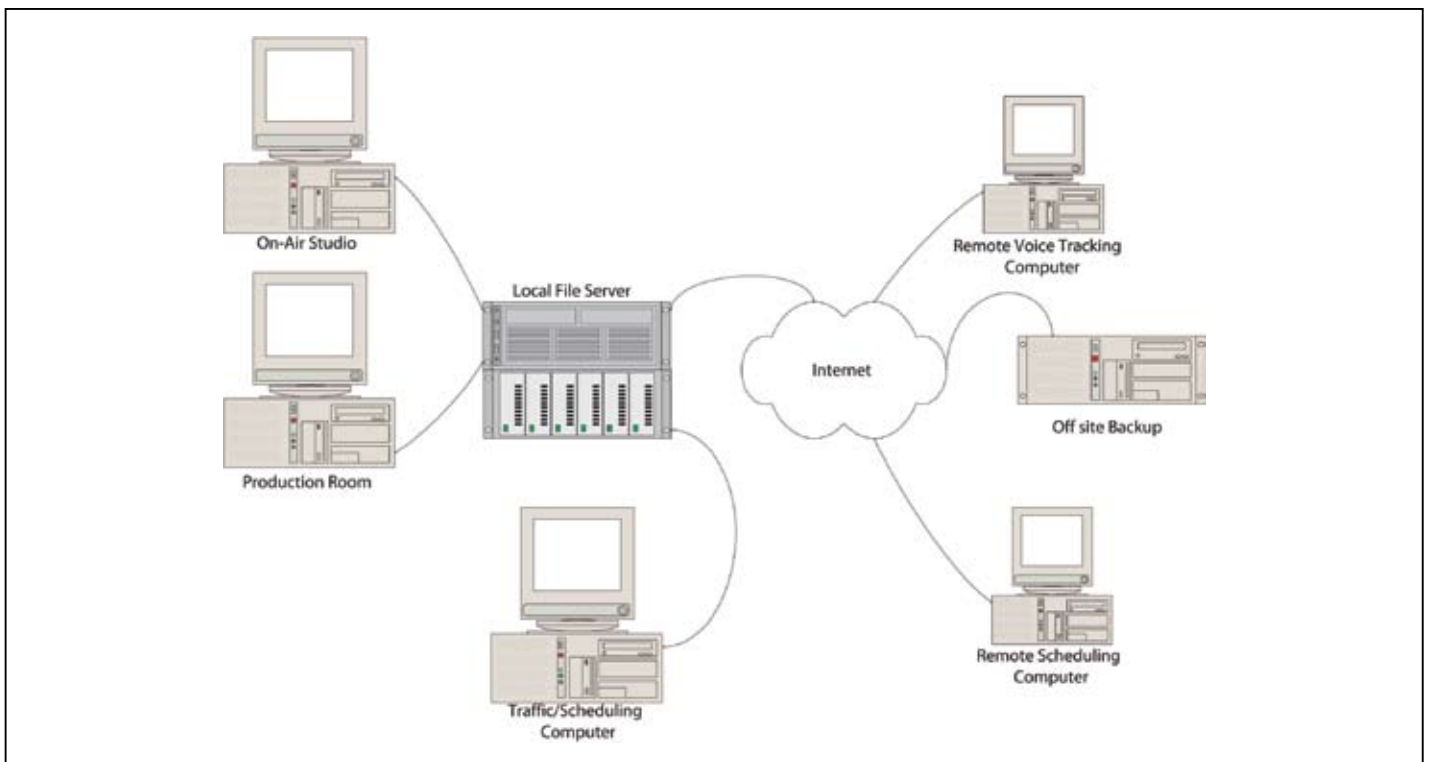
## Hardware Configurations

AudioVAULT is available in ultra-reliable tower, rack, and laptop versions, designed to be used in the studio or in central engineering rooms.

High-quality balanced analog or digital audio is standard, with each computer capable of multiple inputs and outputs. Data storage can be on SCSI or IDE drives, or over the network with NAS or SAN, with multiple RAID configurations supported for reliability. Critical audio files can even be backed up to off-site storage via the Internet, or removable media.

Local AudioVAULT workstations and servers are connected via high-speed Ethernet, using standard computer networking components. AudioVAULT supports dual network connections, based on redundant network infrastructures, with automatic switchover in case of problems.

AudioVAULT can be controlled with a keyboard and mouse, touch screens, relays, buttons, console fader switches, or logic gates. Systems can include multiple General Purpose I/O cards with 15 logic-level inputs and eight open-collector outputs each. Serial outputs are also provided. I/O and serial commands can be flexibly assigned in software for remote controls, to operate routers and satellite receivers, or for any other purpose.





# AudioVAULT Modules

Workstations and standalone servers may be configured with modules including:

**AVAir** is our primary on-air screen for live, live-assist or automated operation. It's easy to learn and easy to use, with features like drag-and-drop, and a customizable FlexScreen interface that can be personalized for each user. \*Users can control AVAir with console faders, a mouse, or optional touch screen monitors.

AVAir is also your environment for local and remote voice-tracking. \*Talent can hear song intros and outros for a smoother presentation, and manually adjust segues for perfect transitions.

Integrate it with:

- **AVSat** for automated satellite operations, including the ability to automatically integrate local promos, liners and commercials into network programming
- **AirBoss** for paperless copy management, logging of live spots, and jock support like song notes, album graphics, and inter-station memos
- **NewsBoss** wire copy, local news, and soundbite management software from Desktop Technologies

**AVScheduler** compiles schedules—even for multiple stations—while it automatically checks for missing or obsolete cuts. AVScheduler supports automatic imports and exports of data with all major traffic and music scheduling systems. AVScheduler can also compare schedules with as-played logs to allow for simple and precise reconciliation reports.

**AVNet** automatically records satellite, telephone, or ISDN feeds for delayed broadcast. It can be controlled by time as well as by relay closures, and can be controlled by receivers and routers. Long-form programs can be automatically broken into segments to maximize revenue from local breaks. Visual waveforms let you quickly check that audio has been received.

**AVRPS** provides basic recording and playback functions, as well as production time-savers such as automatic non-destructive trimming and gain adjustment.

**AVRip** lets you import music and syndicated program audio CDs much faster than real time. It can automatically add title and artist information from Internet databases, adjust audio levels for consistency, and intelligently set next-to-play markers at the best places for smooth segues between songs.

**AVPreview** lets traffic, sales and other staff listen to AudioVAULT cuts from anywhere on your Local Area Network.

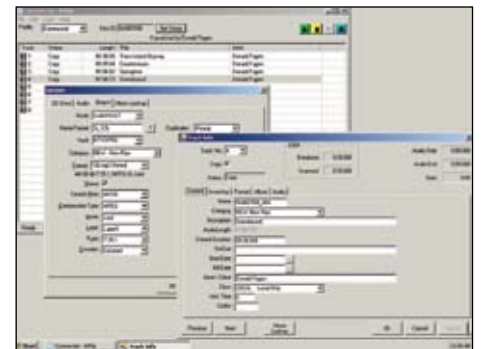
**NFServer** automatically synchronizes cuts on multiple workstations for redundancy.

**AVExplorer** manages audio files on your network, and even over the Internet, automatically or with drag-and-drop ease. It even watches specified directories on computers in production rooms and elsewhere, and downloads and converts new files as needed.

**AVTime** synchronizes every computer's clock in your AudioVAULT network.

**AVConsole, AVMaintenance, and AVFileMaint** are also included as part of a comprehensive suite of utilities providing useful engineering, configuration and diagnostic tools.

*\*New for AudioVAULT version 9.5!*

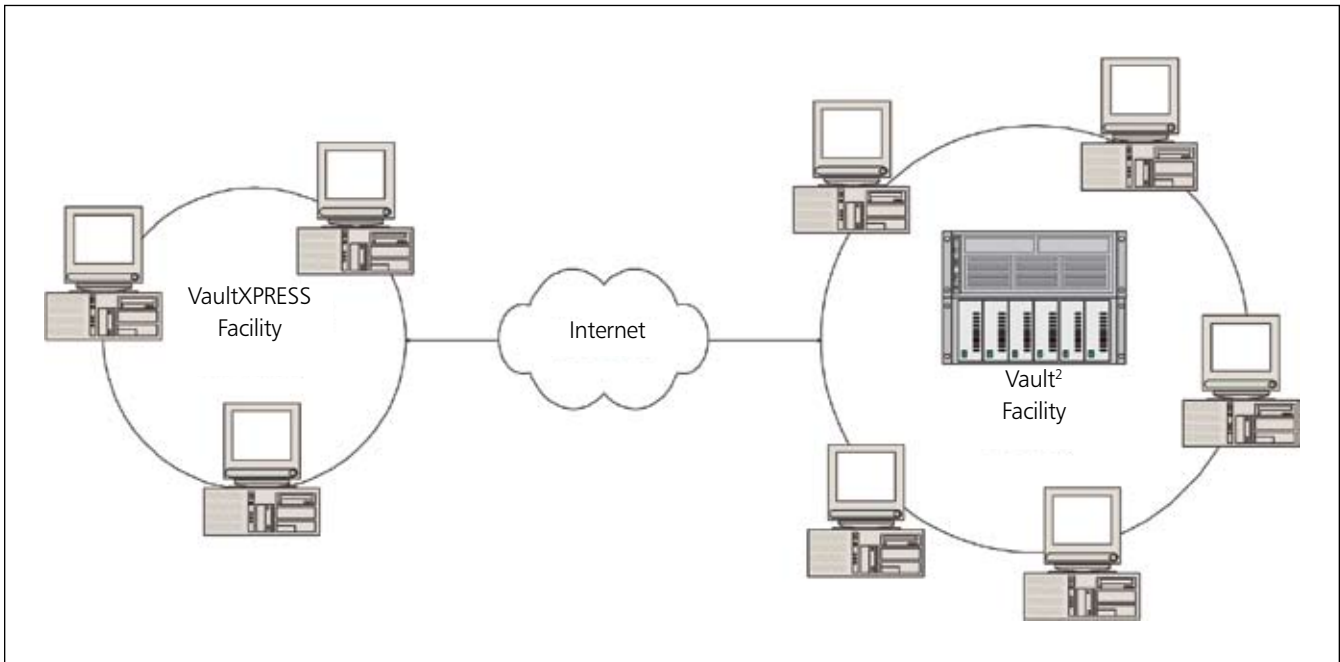




## AudioVAULT is available in two architecture classes

Vault<sup>2</sup> is our server/workstation architecture, designed for complex operations, larger facilities, and multi-site groups. Multiple servers and unlimited workstations are supported, as well as peer-to-peer sharing of data and audio.

VaultXPRESS is a server-less architecture designed for a smaller number of workstations. All data and audio can be stored on all workstations automatically, for redundancy and backup. While VaultXPRESS is surprisingly affordable, it still offer complete AudioVAULT workstation functionality. It's also a good way to get to know AudioVAULT's benefits and the true costs of ownership. VaultXPRESS systems can easily be upgraded to Vault<sup>2</sup>.



### About Broadcast Electronics (<http://www.bdcast.com>)

Broadcast Electronics™ (BE) is the premier provider of mission-critical solutions for over-the-air and Internet radio. Our products encompass program generation, audio and data management, interfacility transport, and analog and digital transmission. For more than four decades, our pioneering developments have set industry standards for innovation and reliability, while providing broadcasters with new options for operational productivity and income generation. BE is headquartered in Quincy, Illinois and is represented worldwide by our network of local representatives.



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