

# Case Studies

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## Music Mountain increases their storage capacity with UltraStor RS16 IP GbE iSCSI storage

### The Scenario

Music Mountain, dedicated to bringing the ultimate A/V (audio/video) experience to the next level with their high performance line of A/V Player Processors, was looking for a cost effective, mid-sized, reliable storage for media such as music and movie storage and streaming. To solve this problem, Music Mountain looked at the ULTRASTOR™ RS16 IP to increase their current and future storage capacity for storing A/V, media, music, movie and streaming.

After exhaustive research, looking into various storage units and talking to numerous sales people at different companies, Enhance Technology remained their number one choice.



### Enhance Experience

In July of 2002, Music Mountain began using Enhance Technology's original U160 SCSI array, but as iSCSI became available they naturally migrated to the GbE interface.

Music Mountain's goal was to stream multiple media sources simultaneously to any number of remote audio or video clients up to the LAN's bandwidth capacity.

The ULTRASTOR RS16 IP was an ideal solution for Music Mountain because it has dual GbE ports, making network attachment a breeze and runs up to 10 times faster than a NAS system. This, along with numerous other advanced features allowed the ULTRASTOR RS16 IP to be an integral component in the achievement of their goals, *"The Enhance Technology solution provides it all; cost, reliability and performance as well as aesthetics"* said John Pimentel, president of Music Mountain, *"We can now use high value SATA disk drives in an iSCSI or SCSI implementation where needed."*

### About Music Mountain



Music Mountain is dedicated to bringing the ultimate A/V experience to the next level with their high performance line of A/V Player Processors. It can be enjoyed throughout the entire home. The development of the AVPP (Audio/Video Player/Processor) reduces unnecessary conversion stages to keep a big picture quality and can also store your entire music library without file compression. The AVPP was focused on creating a listening and viewing atmosphere that would not be restricted to a single room, but instead could be enjoyed throughout the home.

### About John Pimentel

Company founder John Pimentel comes from a background of Systems Engineering and Integration with an emphasis on Computer Networking. More importantly, he has a life long love for home theater and audio entertainment. This combination of experience and desire allowed him to engineer a system that not only has meticulous attention to detail in the system design and performance, but also has a strong emphasis on integration. This complete integration is not only with the A/V system in the home theater room, but with consideration that the A/V system should be enjoyed throughout the entire home. To that end, the development of the AVPP was focused on a creating a listening and viewing atmosphere that would not be restricted to a single room, but instead could be enjoyed throughout the home, and would further leverage the power of the Internet to enhance the experience.

### System and Application Setup

**Host Systems: Automation Control Server**

**Video/Audio Capture Devices: Entertainment, media, DVD, CD.**

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**UltraStor™ RS16 IP**

### About ULTRASTOR™ RS16 IP

The ULTRASTOR RS16 IP intelligent iSCSI RAID System is the latest addition to the award-winning ULTRASTOR family with a built-in 64-bit RAID controller for mission critical applications. Featuring two iSCSI GbE ports, the ULTRASTOR RS16 IP runs 10 times faster than a NAS system and provides versatility and protection critical to a company's IT infrastructure. ULTRASTOR RS16 IP is powered by a cutting edge 64-bit RAID engine, supports up to 2GB cache, and 3.0 Gbps SATA HDDs, which maximizes disk performance (up to 200MB/s in dual channel) allowing for a broader range of storage possibilities

### UltraStor RS16 IP iSCSI Features & Benefits:

- Hybrid Serial ATA disk based storage, compatible 1.5 & 3.0Gbp/s disks
- Embedded hardware RAID controller with dual GbE ports
- 3U modular rack design easily integrates into existing storage infrastructures
- 2 GbE full iSCSI offload with load-balancing & fail-over
- One logic volume shared by as many as 16 hosts
- Windows MPIO Certified, host access control, & CHAP
- Easy LCD control, Remote monitoring and RAID management over TCP

