

Residential Systems

www.residentialsystems.com

In This Issue:

- ▶ The Latest Projection Screen Developments
- ▶ Business Makeover Finalists Make Their Case

Beyond the Eaves

AN INTEGRATOR'S GUIDE TO AV FOR THE GREAT OUTDOORS



Taking It Outside

How CEDIA Members are Mastering Outdoor Spaces

CEDIA EXPO
SEPTEMBER 5-8, 2012 INDIANAPOLIS, IN

Every installation can have its challenges, whether it's troubleshooting HDMI or deciding on the appropriate acoustic treatments. Outdoor installations can present a whole new range of obstacles and special considerations. Check out how these CEDIA members have taken outdoor installations beyond the traditional speakers by the pool.



PHOTOS BY WILLIAM PSOLKA, WWW.PSOLKA-PHOTO.COM

Electronics Design Group helped its clients achieve their goals in an upscale loggia complete with a well-apportioned kitchen, fireplace, and full 5.1-channel home theater system. Here are before and after shots showcasing the drop-down flat-panel TV.

Entertainment Al Fresco

This client wanted to find a way to enjoy the warm weather months without giving up the comforts of home. CEDIA member, Electronics Design Group Inc., out of Piscataway, NJ, helped these clients achieve their goals in an upscale loggia complete with a well-apportioned kitchen, fireplace, and full 5.1-channel home theater system.

The elements had to be accounted for in this installation, which is not normally as much of a concern. Between the installation being both outdoors and above a fireplace, Electronics Design Group had to account for cold, humidity, and extreme heat. They also had to make sure the TV

Electronics Design Group took a unique approach to the surround-sound challenge presented by a shifting audience. Left and right speakers and surround speakers are mounted in the ceiling of the room, but the TV's speakers were put into service to handle center-channel duty. That keeps dialog anchored to the screen and easy to hear from various locations. An in-ceiling subwoofer is tucked into a closet space above the room and outputs low-frequency sound to the space through a specially designed tube. All speakers have painted metal grilles designed to withstand the elements.



HomeTronics Inc. designed an extensive poolside theater for this client in Dallas, TX.

The Poolside Theater

This client wanted to create a place for his family and friends to play and enjoy both indoor and outdoor sports. HomeTronics Inc. of Dallas, TX, was up for the challenge this project presented, including an extensive poolside theater.

Across the pool, a projector shines onto a 25-foot-wide HDTV outdoor film screen. The surround sound system has more than 1,600 watts of power and consists of three front speakers, outdoor rear speakers, and two subwoofers. The speakers are custom made of waterproof materials, including the two subwoofer enclosures that are made out of Avonite.

The client has the ability to view and listen to all 10 sources on 13 displays and eight audio zones at any time and has full control of the surround sound and all other speakers in the facility with a wireless touchpanel.

In addition, HomeTronics outfitted the cabana with three 65-inch LCD TVs and a 42-inch waterproof LCD TV. The "Fish Shack" stores all of the electronic components and has its own heating and air conditioning system for safe and consistent temperature.

was protected from rain and wind. This was accomplished by installing the TV in the ceiling using a two-position motorized lift, ensuring that the lowest point on the TV when the lift came down was far enough away from the fireplace.

When the owners hit "TV" on their handheld touchpanel, the video display opens out of the ceiling like a book and then slides down to a locked position. The video sources, along with the AV receiver, are stacked in the mudroom between the loggia and the house. Wires run between the equipment through the "attic," where they remain hidden and protected from weather and extreme temperatures.

More Online

What About Your Projects?

Do you have a project you think is unique? Enter it into CEDIA's Electronic Lifestyles Awards competition. Categories include hidden installation, special project, integrated home, home theater, media room, and showroom. Learn more at www.residentialsystems.com/0312.