

The Forum

Macomb, IL



State-of-the-Art Audio/Video System Design

The Forum uses the latest technology to make a cutting edge experience on the dance floor and at the concerts they sponsor. The new night club was transformed into a state-of-the-art facility from the old Illinois Theater building. It is considered to be a multi-purpose venue for the entire Macomb community, featuring a banquet facility for weddings and parties as well as a night club, concert venue and theater.

Thompson Electronics Company worked with the owners to design the two-story mega-club's advanced lighting, sound, and video systems.

Client Needs

- ❖ A versatile and user-friendly audio/video system to be used for viewing movies, banquets functions, and as a night club/concert system.
- ❖ Easy to use, pre-programmed intelligent lighting system.

With the use of acoustical modeling and measurement tools such as EASE and SMAART Live, we were able to design and setup the ideal sound system to suit this particular clients needs.

"The state-of-the-art sound system allows for powerful, clear music on the dance floor while maintaining the ability to have conversations on the balcony."

*Aaron Forinash,
General Manager*

System Details Audio System

Digital Signal Processing (DSP) technology is the core of the audio system. Compression, limiting, parametric and graphic equalization, as well as matrix and preset switching is all done in a single DSP unit. The audio system is very versatile in the range of audio levels. It can operate at levels in excess of 114 db SPL but runs on the average at a clean 110 db SPL. Other features of the audio system include:

- ❖ The main dance floor has 3-way full-range speakers and 18" dual subwoofer enclosures custom built into the bottom of the stage. There is also a series of distributed speakers throughout the entire facility.
- ❖ The system can operate as a night club system or change to 5.1 digital surround sound system by simply pressing a single button.
- ❖ The DJ booth is fully equipped with mixers, turntables, and CD players.

Video Presentation & Lighting

The main video projection system includes high-definition video projection onto a 360-inch screen. The system also includes a secondary video projection system at the rear of the stage and the bar.

A complete intelligent lighting system illuminates the dance floors and stage to create multiple moods. It also controls the indoor and outdoor accent lighting.

Taking Technology to a Higher Level

Thompson Electronics Company

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