

Apogee Tops the Menu for Big Sound at Banquet Hall Facility

LE MIRAGE LOFT AT "NEW YORK-NEW YORK"

TAIPEI, TAIWAN

The Challenge

- New sound installation in department store loft
- Create a festive, high-energy environment featuring lifelike, distortion-free sound
- Loft dimensions: 162' L (49.4m) x 64' W (19.5m) with a two-tiered ceiling of 26' H (8m) and 15' H (4.5m)

The Solution

The Wedding House Taipei Corporation had used the services of Apogee distributor Taiwan Denpo to install Apogee speakers because of their superior sound quality. Later, when they opened the Wedding House Taipei Sinyi — also called Le Mirage — a loft in the high-end New York-New York department store, they naturally looked to Apogee speakers once again.

Le Mirage's décor resembles a traditional Chinese restaurant complete with elegant oriental carpeting and crystal light fixtures. Customers gather at Le Mirage for weddings, fashion and trade shows, seminars, and other special events every day. "Weddings in Taipei may include A/V recording of the newlyweds, their family, and friends as they dance," according to Jennifer Wang, a representative from Taiwan Denpo.

New York-New York's sound system was purchased through and installed by Taiwan Denpo, the exclusive distributor for Apogee in Taiwan.

The speakers are located approximately 10 feet above the floor to ensure sound flow is unobstructed by any thematic floor or ceiling displays which can vary with every event. Other components in the Le Mirage sound system include a mixer, wireless microphone, and a CD player.

The Result

Customers at New York-New York's Le Mirage enjoy hearing rich, lifelike sound while attending weddings and other events. The frequent bookings for this room attest to the level of customer satisfaction with the sound, atmosphere, and services.

BANQUET HALLS



High-Powered Systems

Product Highlights

Speakers

To meet customer needs and ensure a clean, crisp sound, a well-designed, high-end configuration of Apogee speakers was selected.

To help create the perfect sound profile, right from the start, Taiwan Denpo chose to work with sound experts at Apogee. This professional collaboration led to a faster, more comprehensive installation ensuring the best placement, positioning and system design to meet the diverse needs of Le Mirage customers.

Three amplifiers power the Apogee Loudspeakers (ALA-9) that produce maximum continuous sound pressure levels of 136 dB to overcome the ambient sound levels. The loudspeaker's wide dynamic range makes them well suited for environments where high sound pressure levels are needed.

The ALA-9 Loudspeakers exhibit a sensitivity (1W @ 1m) of:

- * Low frequency: 100 dB,
- * Medium frequency: 108 dB and
- * High frequency: 112 dB.

The speakers' frequency response (1 meter on axis) ranges from 45 Hz to 17.5 kHz \pm 3 dB.

To ensure deep, accurate response, 4 Concert Subwoofers (AE-12s2) were installed. Designed for maximum power handling of 1200 watts continuous or 4800 watts peak, these proven, high-performance speakers provide greater power handling capacity, lower distortion, and control of short-term impedance rise.

BOGEN

Another 4 Apogee Fixed Installation Subwoofers (AFI-118) emit a deep, rich, and powerful bass in the loft. Sound dispersion is omni-directional and can provide 125 dB continuous or 131 dB peak at 1 meter on axis in frequencies ranging from 35 Hz to 70 Hz \pm 3 dB.

Finally, 8 Apogee Fixed Installation Series Loudspeakers (AFI-3) are used for their high frequency pattern control and rotatable horn flexibility to provide a harmonious match between sound output and banquet hall acoustics. Maximum power handling extends from 200 watts continuous to 800 watts peak.

Loudspeaker Controllers

To ensure optimal loudspeaker performance and manage the multi-functional sound system, Le Mirage uses 5 Apogee Digital Loudspeaker Controllers (DLC24). Equipped with 12 bands of parametric equalization per input, the DLC24 Controllers help maintain clear, powerful, and lifelike sound in the Le Mirage Hall.

By networking all five units, the DLC24 Controllers enable the DJ or house engineer to monitor speaker status, and re-configure the sound system depending on type of event, all by remote control. Although DJs in Taiwan typically use analog consoles to control the whole system, the versatile Apogee Digital Loudspeaker Controller (DLC24) also permits control via a computer. These features allow for optimal speaker performance in any setting.

Equipment List

- 8 Apogee Acoustic Linear Array Loudspeakers (ALA-9)
- 4 Apogee Concert Subwoofers (AE-12s2)
- 8 Apogee Fixed Installation Loudspeakers (AFI-3)
- 4 Apogee Fixed Installation Subwoofers (AFI-118)
- 5 Apogee Digital Loudspeaker Controllers (DLC24)



Key Products



ALA-9
Acoustic Linear Array
Loudspeakers



AE-12s2
Concert Subwoofers



AFI-3
Fixed Installation
Loudspeakers



AFI-118
Fixed Installation
Subwoofers



DLC24
Digital Loudspeaker
Controllers

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