



# Meyer Sound in Las Vegas



thinking sound



# Las Vegas fills the desert night with bright light. **Meyer Sound**

As one of the world's centers of high-ticket entertainment, Las Vegas sets a lofty standard for production values, often raising the bar for sound, lighting, and theatrics for the whole entertainment industry. It's no surprise, then, to find that Meyer Sound products are nearly ubiquitous in the city. See the most spectacular shows, buy the most in-demand tickets, and you are likely to hear a Meyer Sound system. Casino showrooms, shopping areas, hotel attractions — Meyer Sound is in all of these, too. Even after the show, when visitors repair to a lounge or nightclub to relax and chat, they'll find Meyer Sound there.

Meyer Sound systems sometimes may be hidden behind scrims, swallowed by darkened ceilings, or tucked away in control rooms, but there's no mistaking their clear, powerful, and highly intelligible sound. Browse these pages and we think you'll agree that Meyer Sound is the sound of Las Vegas.



thinking sound



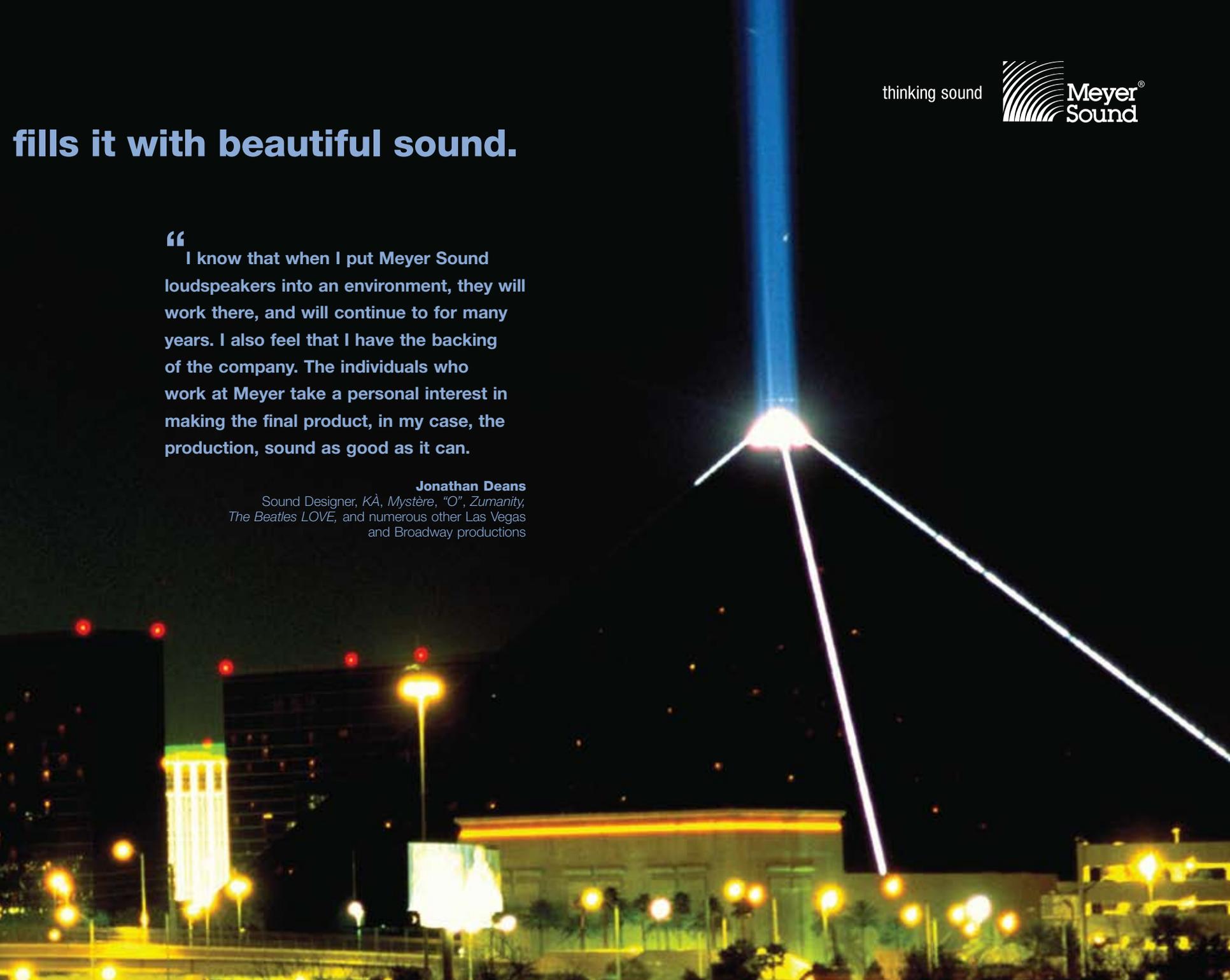
**fills it with beautiful sound.**

“

I know that when I put Meyer Sound loudspeakers into an environment, they will work there, and will continue to for many years. I also feel that I have the backing of the company. The individuals who work at Meyer take a personal interest in making the final product, in my case, the production, sound as good as it can.

**Jonathan Deans**

Sound Designer, *KÀ*, *Mystère*, *“O”*, *Zumanity*, *The Beatles LOVE*, and numerous other Las Vegas and Broadway productions





big stars and elaborate

“

I'm very pleased with the detail and dynamics I hear in the mix both as an audience member and as a mixer. The system gives me the freedom to mix things very subtly, because the definition and realism are remarkable.”

David Morgan  
FOH, Bette Midler

## productions in first-class **performance venues**

Meyer Sound has spent nearly three decades making the world's finest products for concerts and theatres, and Las Vegas houses numerous stellar examples of these systems. From the amazing surround sound installation at The Colosseum at Caesars Palace to *Cirque du Soleil*®'s incomparable shows, to the splendor of Wynn Las Vegas, Meyer Sound delivers sound with enough impact and accuracy to support any attraction.

### The Colosseum at Caesars Palace

The Colosseum's elegant Roman-themed architecture and intimate atmosphere have garnered high accolades since it opened its door in 2003 as the home to Celine Dion's record-shattering, multi-year show *A New Day...* which was heard through Meyer Sound systems.

Following Dion's show, The Colosseum was redesigned to allow for a bigger performance area and increased capacity. This called for a revision to the existing sound system designed by Frankie Desjardins, known for his work with Dion and the Mirage's Beatles-inspired REVOLUTION Lounge.

The Colosseum's first new diva to grace the stage since the redesign, the Divine Miss M. appears in Bette Midler *The Showgirl Must Go On*, an energetic and visually compelling spectacle which showcases a total of 132 wildly colorful costumes, curtains made from 75,000 individually painted gold coins, and the singer's incomparable humor and best-loved tunes. In addition to Midler, Las Vegas audiences are also treated to a spectacular repertoire of extraordinary performances delivered by some of the music industry's best loved artists, including "Cher at The Colosseum," Elton John's acclaimed "The Red Piano," and Jerry Seinfeld's signature comedy.

Delivering the power and intelligibility for the diverse productions is a Meyer Sound system comprising left and right arrays of eight M3D line array loudspeakers each, two arrays of three MSL-4 loudspeakers with a CQ-1 loudspeaker at the bottom, and twin arrays of 11 MICA line array loudspeakers in the center. The additional seating is covered by eight MILO 120 line array loudspeakers. Two arrays of six M'elodie line array loudspeakers are used as sidefills and 14 MM-4 miniature loudspeakers at stage lip serve as frontfills. Four SB-2 parabolic wide-range sound beams provide precisely defined narrow coverage for the far sides. Twelve M3D-Sub directional subwoofers and eight USW-1P subwoofers provide ample low end. Other UltraSeries loudspeakers including UPA-1P and UPM-1P loudspeakers are spread throughout the room. Galileo loudspeaker management system with three Galileo 616 units provides system drive and processing.

### Equipment List

- (16) M3D line array loudspeakers
- (8) MILO 120 high-power expanded coverage curvilinear array loudspeakers
- (12) M'elodie ultracompact high-power curvilinear array loudspeakers
- (12) M3D-Sub directional subwoofers
- (6) MSL-4 horn-loaded long-throw loudspeakers
- (2) CQ-1 wide coverage main loudspeakers
- (8) USW-1P compact subwoofer
- (12) UPA-1P compact wide coverage loudspeakers
- (2) UPM-1P ultracompact wide coverage loudspeakers
- (14) MM-4 miniature wide-range loudspeakers
- (4) SB-2 parabolic wide-range sound beams
- Galileo loudspeaker management systems

## spectacle shows that

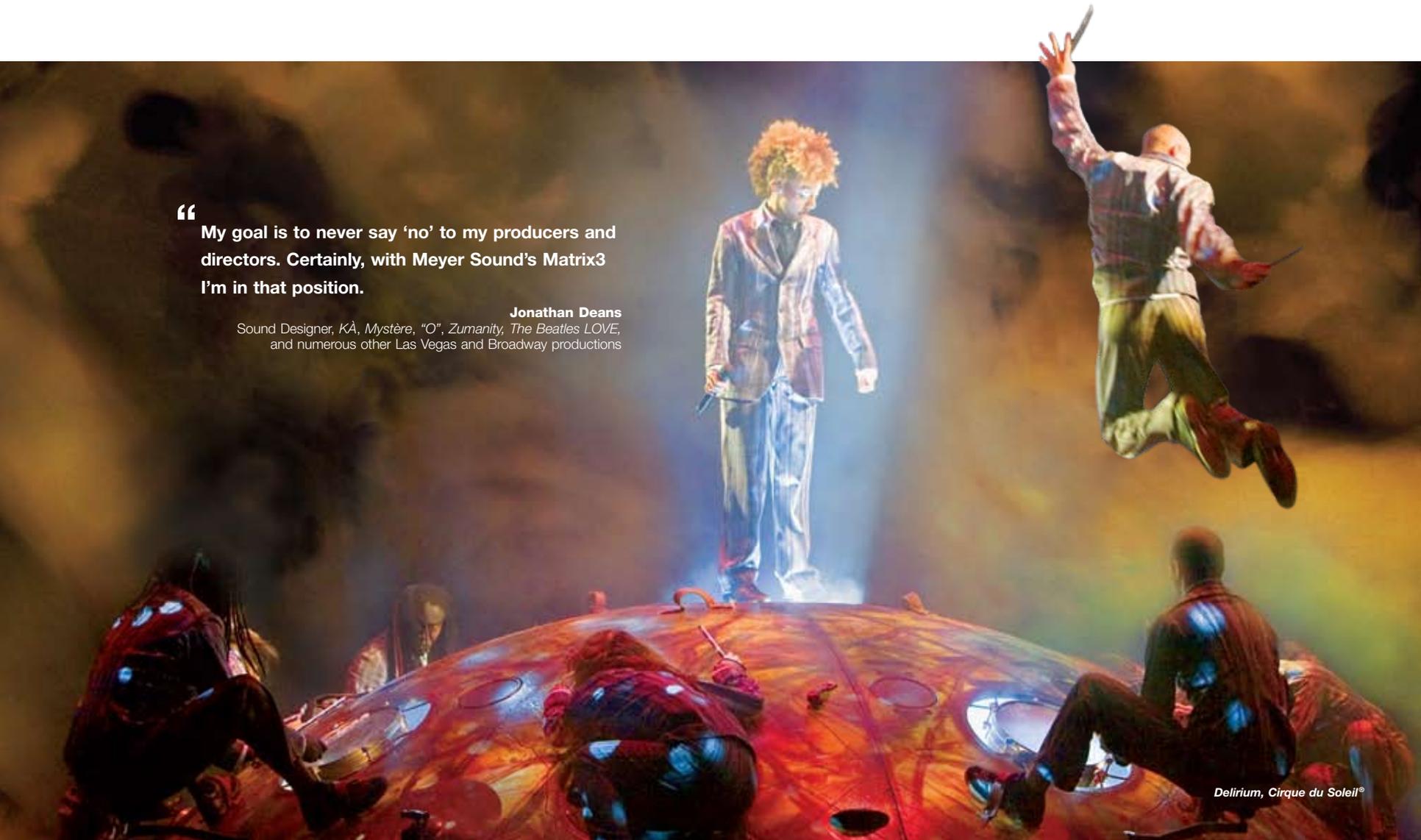
Back in 1984, two former street performers in Quebec, Canada decided to create a circus with a new mix of daring acrobatics, dance, music, and comedy. Thus was *Cirque du Soleil*® born, and, more than 20 years later, what they started has changed the face of Las Vegas entertainment. The audacious new look pioneered by *Cirque du Soleil*® is accompanied by live music, voice, and innovative sound design, so these productions turn time and time again to Meyer Sound's self-powered loudspeakers and LCS Series digital audio products to deliver the sound quality and cutting-edge technology that complete this new breed of jaw-dropping spectacle.

“

My goal is to never say 'no' to my producers and directors. Certainly, with Meyer Sound's Matrix3 I'm in that position.

**Jonathan Deans**

Sound Designer, *KÀ*, *Mystère*, *"O"*, *Zumanity*, *The Beatles LOVE*, and numerous other Las Vegas and Broadway productions



# fire the imagination and delight the senses

## **The Beatles LOVE**, The Mirage

*The Beatles LOVE*, created by *Cirque du Soleil*®, breathtakingly updates the legacy of the “Fab Four.” A cast of 60 multi-talented performers energize a physical performance that combines extreme sports, aerial acrobatics, and modern urban dance, all set to the soundtrack of The Beatles’ music as remixed (with some striking surprises) by Sir George Martin and his son, Giles. The heart of the audio system is a huge LCS Series Matrix3 audio show control system comprising 34 processors (with 88 inputs and more than 280 outputs), a CueConsole controller, Wild Tracks hard disk playback, and utilizing VRAS technology. The loudspeaker complement includes more than 124 cabinets selected from the M Series, Concert Series and UltraSeries.

## **KÀ**, MGM Grand

Arguably the most startling and audacious *Cirque du Soleil*® production to date, *KÀ* features a huge hole at center stage that plunges 50 feet below the audience, a stage that moves from horizontal to vertical while performers are active on it, and an indoor fireworks display. The exceptional scale of the production is matched by a Meyer Sound system built around 52 MILO high-power curvilinear array loudspeakers and eight SB-2 parabolic wide-range sound beams, supplemented by additional fill systems and subwoofers. The show also uses an extensive Matrix3 audio show control system that includes VRAS technology, the precursor of Constellation electroacoustic architecture.

## **Le Rêve Aqua Theatre**, Wynn Las Vegas

*Le Rêve* is staged in a 2,087-seat, in-the-round theatre with a 27-foot-deep pool (containing a million gallons of water) at its center. The fluid spectacle, concocted by designer Franco Dragone, is performed both above and below the surface by a troupe of 86 performers drawn from gymnastics, swimming, and circus backgrounds. Audio support for the show comes from 99 Meyer Sound self-powered loudspeakers, including main clusters of MILO high-power curvilinear array loudspeakers and M3D-Sub directional subwoofers. Audio sources are processed, mixed and dynamically panned by an LCS Series Matrix3 audio show control system with 10 processors, Wild Tracks hard disk playback, SpaceMap multichannel panning, and a CueConsole.

## **“O”**, Bellagio

Water is the theme for “O” (as in the French “eau”), yet another hot-ticket production from *Cirque du Soleil*®. In this show, aerial acts, clowns, and fire-jugglers are supplemented by divers and swimmers. With a water-blue ceiling and a stage that is dry one moment and water-filled the next, “O” is visually captivating. Audio flows through a Matrix3 system, complete with VRAS and a CueConsole controller, and is played through a main system comprising four columns of Concert Series loudspeakers. Delay, surround, and fill systems employ additional Concert Series, UltraSeries, and M Series loudspeakers.

## **Zumanity**, New York-New York

Frank and bracing in its approach, *Zumanity* deals with adult themes of eroticism and sensuality within the context of jaw-dropping acrobatics, primal music, and elaborate staging effects. A Matrix3 system handles all of the audio, controlled from CueConsole controllers at both the FOH and monitor positions. SpaceMaps are used extensively to move sound around in the show to a loudspeaker complement that includes CQ-1 wide coverage and CQ-2 narrow coverage main loudspeakers. The system also includes VRAS for variable acoustical effects.

## OFFICIAL TOURING SHOWS SUPPLIER **CIRQUE DU SOLEIL**®

### Equipment List

**Matrix3** audio show control system with SpaceMap multichannel panning, Wild Tracks hard disk playback, VRAS variable acoustics system, and CueConsole modular control surface

- (88) M1D ultracompact curvilinear array loudspeakers
- (22) M2D compact curvilinear array loudspeakers
- (28) CQ-1 wide coverage main loudspeakers
- (12) PSW-2 high-power flyable subwoofers
- (18) USW-1P compact subwoofers.

**Matrix3** audio show control system with SpaceMap multichannel panning, Wild Tracks hard disk playback, VRAS variable acoustics, and CueConsole modular control surface

- (52) MILO high-power curvilinear array loudspeakers
- (8) SB-2 parabolic wide-range sound beams
- (3) UPA-1P compact wide coverage loudspeakers
- (2) CQ-1 wide coverage main loudspeakers
- (8) PSW-2 high power flyable subwoofers

**Matrix3** audio show control system with SpaceMap multichannel panning, Wild Tracks hard disk playback, VRAS variable acoustics, and CueConsole modular control surface

- (42) MILO high-power curvilinear array loudspeakers
- (16) CQ-1 wide coverage main loudspeakers
- (6) CQ-2 narrow coverage main loudspeakers
- (22) UPJ-1P compact VariO loudspeakers
- (12) M3D-Sub directional subwoofers

**Matrix3** audio show control system with SpaceMap multichannel panning, VRAS variable acoustics, and CueConsole modular control surface

- (2) UPA-2P compact narrow coverage loudspeakers
- (6) UPM-2P ultracompact narrow coverage loudspeakers
- (2) M1D ultracompact curvilinear array loudspeakers
- (12) CQ-2 narrow coverage main loudspeakers
- (4) MSL-4 horn-loaded long-throw loudspeakers

**Matrix3** audio show control system with SpaceMap multichannel panning, VRAS variable acoustics, and CueConsole modular control surface

- (8) CQ-1 wide coverage main loudspeakers
- (8) CQ-2 narrow coverage main loudspeakers

## high drama, low comedy, lively music and dazzling

If New York is the center of American theatre, then Las Vegas has become the leading edge. More and more hit Broadway shows are taking up permanent residence on The Strip, often in multimillion dollar showrooms built exclusively for them. But the multifaceted Las Vegas show scene is also home to a unique breed of Vegas-based mega-stars found nowhere else, a lineage established by Wayne Newton and carried on by headliners like Danny Gans and Lance Burton. Whether Broadway transplants or Las Vegas homegrown, these shows captivate their sellout crowds with help from audio systems by Meyer Sound.

### **Phantom — The Las Vegas Spectacular**, The Venetian

A somewhat condensed version of the blockbuster musical *Phantom of the Opera*, *Phantom—The Las Vegas Spectacular* retains all the show-stopping songs, but snips dialog and eliminates the intermission to get the show down to a fast-paced 95 minutes.

What the Las Vegas version lacks in running time it makes up for with breathtaking mise en scène architecture and dazzling technical effects. *Phantom's* \$40 million theatre fittingly replicates a Paris opera house, with a massive chandelier that magically assembles overhead during the overture. To assure optimum musical fidelity, a total of 108 Meyer Sound self-powered loudspeakers anchor one of the most elaborate theatrical systems ever installed. Key to system performance are the 18 MICA compact high-power curvilinear arrays at the left and right of the proscenium, and 20 M1D ultracompact curvilinear array cabinets in the center. Eight Galileo loudspeaker management systems tie the loudspeaker subsystems together into a uniform sonic whole.

### **Danny Gans Theatre**, The Mirage

Danny Gans is the quintessential Las Vegas phenomenon, consistently selling out his eponymous 1,250-seat theatre with a one-man tour de force that blends his talents as a singer and an impressionist. Known as the “Man of Many Voices,” Gans has been named “Las Vegas Entertainer of the Year” for seven straight years, and his image in front of The Mirage is the largest free-standing marquee in the world. To carry the dynamics of Gans’ performance with a sense of small-club intimacy, the theatre relies on a carefully balanced and fine-tuned system of Meyer Sound self-powered loudspeakers. Main loudspeakers are MSL-4 horn-loaded long-throw cabinets, famed for their ability to project detailed high-frequency information to the back rows of sizeable venues.

### Equipment List

(18) MICA compact high-power curvilinear array loudspeakers	(6) UPM-2P ultracompact narrow coverage loudspeakers
(20) M1D ultracompact curvilinear array loudspeakers	(4) 600-HP compact high-power subwoofers
(31) UPJ-1P compact VariO loudspeakers	(4) 700-HP ultrahigh-power subwoofers
(4) CQ-1 wide coverage main loudspeakers	Galileo loudspeaker management system
(21) UPM-1P ultracompact wide coverage loudspeakers	

(6) MSL-4 horn-loaded long-throw loudspeakers	(11) UPM-1P ultracompact wide coverage loudspeakers
(4) DS-4P horn-loaded mid-bass loudspeakers	(4) 650-P high-power subwoofers
(2) CQ-1 wide coverage main loudspeakers	

magic fill every **theatre**

“

What's particularly impressive is the overall quality of the Meyer Sound system. It gives me all the gain I need to fill an 1,800-seat theatre, even with a full cast wearing omni microphones and often working in front of the arrays. Normally, you're not afforded that luxury, particularly in the high-frequency range.

**John Trace**

Head Sound Engineer,  
*Phantom — The Las Vegas Spectacular*

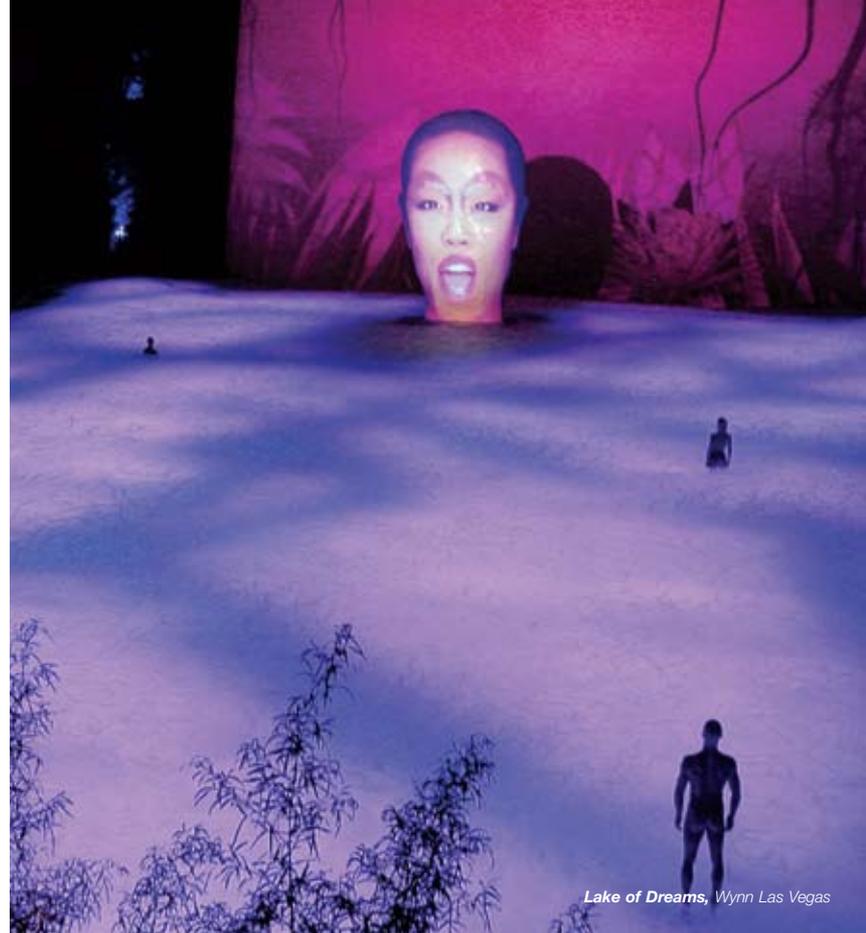




*Masquerade Show in the Sky, The Rio*



*Fremont Street Experience*



*Lake of Dreams, Wynn Las Vegas*

“Fremont Street Experience is a unique and challenging environment, both visually and on the audio side. The Matrix3 system allows us to do some very complex audio moves, and do them easily. The user-friendly interface and overall flexibility of the system architecture are crucial in realizing some of the unique audio effects we have created here.

**Geoff Bickel**  
Manager of Technical Entertainment  
Fremont Street Experience

## new worlds to explore in **themed environments**

Las Vegas is justly famous for pushing the envelope of entertainment technology, both indoors and out. This is strikingly apparent in the recent move toward large-scale, themed entertainment extravaganzas, most of them running 24/7 at no charge to lure the crowds. The visual effects are spectacular, but, as with movies, it is audio that gives Las Vegas mega-attractions dimension. Sound is an integral part of the experience: bold, dynamic, moving with the action, and assertive enough to impart impact without being annoying. It's a challenging task, and top sound designers rely on Meyer Sound for audio systems that do the job reliably, day and night, for years on end.

### **Bellagio Conservatory and Botanical Gardens**, Bellagio

Located in an atrium just off of the hotel lobby, the Bellagio Conservatory and Botanical Gardens feature more than 10,000 blooming flowers and a wide variety of other plant life, plus fountains and themed displays that change four times a year. A dozen M1D ultracompact curvilinear array loudspeakers, deployed around the perimeter and angled inward to minimize spill into adjacent areas, provide even coverage and a flexible surround sound environment for ambient music and creative sound design. Exceptional sonic creativity is afforded by a Matrix3 audio show control system, including SpaceMap multichannel panning. SpaceMap allows quick creation of unusual sound effects, such as that of an exotic bird flitting about the room in a seemingly random pattern.

### **Fremont Street Experience**, Downtown Las Vegas

When it was launched late in 1995, Fremont Street Experience was downtown Las Vegas's dazzling answer to the dominance of The Strip's attractions. To bring the crowds back, downtown casino operators gambled on covering four blocks of a pedestrian mall with a 90-foot high, 1,400-foot long computerized light show canopy. The popular attraction was updated in 2004 with the replacement of the 2.1 million incandescent lamps by 12 million LEDs. At the same time, the original audio control system of LCS Audio LD-88 SuperNova units was upgraded to new Matrix3 systems with Wild Tracks hard disk playback and Space Map multichannel panning. More recently, an upgrade to the latest client-server software has enabled on-the-street adjustment of audio via remote laptop computers.

### **Lake of Dreams**, Wynn Las Vegas

*Lake of Dreams* is a free environmental theatre spectacle that uses a wide man-made waterfall as the backdrop for a nightly performance of light, water, music, and computer graphic imagery. To manage the audio for the presentation, as well as smoothly integrate show audio with adjoining hotel audio, *Lake of Dreams* employs a Matrix3 audio show control system. A single Primary LX-300 processor handles all of the audio routing, mixing, and processing, as well as providing 24 channels of Wild Tracks hard disk playback for effects. A cue list created in the system's CueStation programming and control software triggers all of the effects playback from two external 18GB drives. In addition to mixing and playback duties for the show, the Matrix3 also interfaces with the audio systems in the restaurants surrounding *Lake of Dreams*.

### **Masquerade Show in the Sky**, The Rio

*Masquerade Show in the Sky*, the featured attraction in the Rio's \$200 million Masquerade Village addition, is a free show incorporating the sensual dance and exotic dress of Brazil's Carnival celebrations. A system of moving parade floats glides above the casino floor, carrying visitors and costumed performers through a vivid representation of the lively festivals. For accompanying music, the show uses a system of 130 Meyer Sound legacy HM-1 self-powered loudspeakers, as well as CQ-1 wide coverage main loudspeakers and legacy UPL-1 high definition self-powered loudspeakers. The HM-1 was a unique product with a remote 48V DC power source and a concentric driver.

#### Equipment List

**Matrix3** audio show control system with SpaceMap multichannel panning and Wild Tracks hard disk playback

(12) M1D ultracompact curvilinear array loudspeakers

**Matrix3** audio show control system with SpaceMap multichannel panning and Wild Tracks hard disk playback

**Matrix3** audio show control system with SpaceMap multichannel panning and Wild Tracks hard disk playback

(18) CQ-1 wide-coverage main loudspeakers

Legacy Products:

(130) HM-1 self-powered loudspeakers

(10) UPL-1 high definition self-powered loudspeakers

## casinos and nightclubs are where the action is

Las Vegas gaming and nightlife pulses to the beat of live music in casino showrooms and DJ systems in all-night clubs. It's a competitive industry, and sound quality plays a part when luring good-timers and high rollers. Increasingly, showrooms and clubs are gaining an audio edge by installing high-performance Meyer Sound loudspeaker systems.

“  
We really needed a system that was versatile enough to handle all types of music, with intelligibility to deal with spoken word presentations. The M2D gives us that flexibility.

**Rob Orlinick**  
Lead Audio Tech, Golden Nugget Casino



### REVOLUTION Lounge, The Mirage

Inspired by *Cirque du Soleil*'s astonishing *The Beatles LOVE* show, The Beatles REVOLUTION Lounge carries the experience over into a club setting at the same hotel. With cutting edge music by Las Vegas's best DJs and an interactive, psychedelic atmosphere, the REVOLUTION Lounge immerses guests in ever-changing environments of color and sound. The sonic sensation is courtesy of a baker's dozen M'elodie ultracompact high-power curvilinear array loudspeakers, augmented by 14 UPJ-1P compact VariO cabinets and five M1D-Sub ultracompact subwoofers. A Galileo loudspeaker management system with three Galileo 616 processors provides discrete inputs and outputs for each loudspeaker in the club.

### Tryst, Wynn Las Vegas

The opening of Wynn Las Vegas redefined Las Vegas, dominating The Strip with size, opulence, and a \$2.7 billion price tag that made it the U.S.'s costliest privately financed construction project. Tryst was built to replace the hotel's original club, Le Bête, which somehow missed the mark. Totally revamped, Tryst emerged as one of Las Vegas's most popular rendezvous spots and is now the flagship club of the Wynn nightlife scene. Six CQ-1 wide coverage main loudspeakers and four 700-HP ultrahigh-power subwoofers rock the main dance floor, while the side dance floor is covered by eight UPJ-1P compact VariO cabinets and four 650-P high-power subwoofers. Other club areas are served by two dozen additional UltraSeries cabinets.

### Theatre Ballroom, The Golden Nugget

The Golden Nugget is a piece of Las Vegas history, an enduring anchor of the downtown gaming and entertainment scene since 1946. It was the first Las Vegas casino to open a formal showroom, and, over the years, this venerable venue has hosted such luminaries as Frank Sinatra, Dean Martin and Tony Bennett. As part of the latest refurbishing (in late 2004), the room was outfitted with a new Meyer Sound self-powered loudspeaker system based around eight M2D compact curvilinear array loudspeakers. The M2D's uniform coverage pattern provides even coverage of the shallow room in a cross-fired left-right configuration. With a low trim precluding a flown solution, the M2D arrays are stacked atop 700-HP ultrahigh-power subwoofers.

### Equipment List

- (13) M'elodie ultracompact high-power curvilinear array loudspeakers
- (14) UPJ-1P compact VariO loudspeakers
- (5) M1D-Sub ultracompact subwoofers
- Galileo loudspeaker management system

- (6) CQ-1 wide coverage main loudspeakers
- (20) UPJ-1P compact VariO loudspeakers
- (2) UPA-1P compact wide coverage loudspeakers
- (4) 700-HP ultrahigh-power subwoofers
- (4) 650-P high-power subwoofers
- (2) UMS-1P ultracompact subwoofers

- (8) M2D compact curvilinear array loudspeakers
- (2) CQ-1 wide coverage main loudspeakers
- (2) UPJ-1P compact VariO loudspeakers
- (2) 700-HP ultrahigh-power subwoofers



Theatre Ballroom, Golden Nugget Casino

### Showroom/Club 3121, The Rio

Sometimes The Rio's popular in-the-round venue is outfitted as a live music showcase for major live acts like Prince. At other times top DJs transform it into a dance hotbed of Vegas nightlife, packing it to the limit with 1,500 sweating bodies. Either way, the power and clarity of the sound come through a system of Meyer Sound Concert Series loudspeakers, with cabinets aimed for long-, mid-, and short-throw. Solid bass support comes from eight USW-1P compact subwoofers.

### Convention Center and Mardi Gras Pavilion, The Riviera Hotel and Casino

The resilient Riviera Hotel and Casino has flourished since 1955—an eon in Las Vegas history—by maintaining a balanced appeal to both conventioners and fun-seekers. To boost convention bookings, the hotel doubled its ballroom space in 1999, then outfitted it with state-of-the-art AV equipment, including a complement of 28 Meyer Sound self-powered loudspeakers. For those who want to mix pleasure with business, The Riviera's 400-seat Mardi Gras Pavilion offers the glitzy Crazy Girls adult revue, where music pumps through four CQ-1 wide coverage main loudspeakers and a pair of 650-P high-power subwoofers.

### Sam's Town Live! Sam's Town

Sam's Town Live! serves primarily as a mid-sized venue (about 1,000 seats) for showcasing touring acts like Kenny Loggins and Lynyrd Skynyrd. But, at other times, the plush stadium seats are rolled away, and the space is transformed into a banquet and meeting room, or reconfigured as a dance club with four-channel surround sound. For maximum flexibility, Sam's Town installed a system comprising 20 Meyer Sound self-powered loudspeakers: 15 in an LCR configuration over the stage, plus two rear surround loudspeakers and three frontfill cabinets.

### Carnevino, The Palazzo Resort

A new addition to Las Vegas's world-class dining scene, Carnevino, recently opened at the famed Palazzo resort. The latest endeavor by renowned chef Mario Batali and winemaker Joe Bastianich, Carnevino is an upscale Italian steakhouse designed for elegance, from the soothing ambience and Mediterranean décor to the exquisite yet invisible Meyer Sound audio system.

The restaurant's sonic environment is provided by 26 miniature MM-4 loudspeakers, each angled at 45 degrees, with low frequency content supplied by five M1D-Sub subwoofers. The loudspeakers are hidden in the walls for minimum visibility.

Since opening its doors in January, Carnevino has received rave reviews from restaurant critics worldwide praising the venue's exceptional food and wine list, as well as its outstanding ambience.

#### Equipment List

- (4) MSL-4 horn-loaded long-throw loudspeakers
- (4) CQ-1 wide coverage main loudspeakers
- (4) UPA-1P compact wide coverage loudspeakers
- (8) USW-1P compact subwoofers

- (8) MSL-4 horn-loaded long-throw loudspeakers
- (8) CQ-1 wide coverage main loudspeakers
- (12) UPA-1P compact wide coverage loudspeakers
- (6) 650-P high-power subwoofers

- (9) MSL-4 horn-loaded long-throw loudspeakers
- (2) CQ-1 wide coverage main loudspeakers
- (6) CQ-2 wide coverage main loudspeakers
- (3) UPM-1P ultracompact wide coverage loudspeakers

- (26) MM-4 miniature wide-range loudspeakers
- (5) M1D-Sub ultracompact subwoofers

## beyond The Strip lies one of America's fastest growing cities

Just off the The Strip you'll find the other side of Las Vegas: a fast-growing city of America's booming desert Southwest. Meyer Sound is making its mark on this side of Las Vegas as well. With so many people professionally involved in the entertainment business, a widespread appreciation of audio quality is carrying over into the local churches. Even McCarran International Airport's security checkpoint shows the civic commitment to audio excellence.

### **Canyon Ridge Christian Church,** West Lone Mountain Road

With Las Vegas being America's fastest growing city, it's not only the hotels that are expanding to make more room. Canyon Ridge Christian Church's worship auditorium seated 1,250, but the church is nearing completion of an expansion project that will more than double the room's size, bringing total capacity to 2,790. A new sound system based around the MICA™ compact curvilinear array loudspeaker had been proposed for the expansion and was partially implemented ahead of schedule when the old system suddenly died. The interim system comprises 10 MICA cabinets and two 700-HP ultrahigh-power subwoofers, with an LD-3 compensating line driver for system processing and drive. The final system is planned to include a total of 16 MICA cabinets, plus two CQ-2 narrow coverage main loudspeakers, a CQ-1 wide coverage main loudspeaker for the center, and UPJ-1P compact VariO loudspeakers for downfill and rear delays. The current pair of 700-HP subwoofers will remain in service, to be supplemented by a flown array of four M3D-Sub directional subwoofers. Two Galileo loudspeaker management systems will drive everything.

### **Community Lutheran Church,** East Tropicana Avenue

Community Lutheran Church offers an exceptionally broad range of worship styles to its multigenerational congregation. Between 8 AM and noon each Sunday the church holds a traditional Lutheran service, followed by a celebration-style service (with a 70-voice choir, organ, piano, and full band), and then concludes by offering a high-energy contemporary service with video, lighting, and driving rock music. When a new 800-seat sanctuary was built on the site of the old one, the call for extraordinary sound was answered by a Meyer Sound system of 18 M1D ultracompact curvilinear array loudspeakers and eight M1D-Sub ultracompact subwoofers. Six MM-4 miniature wide-range loudspeakers provide frontfill, and two UPJ-1P compact VariO loudspeakers are suspended over the loft as choir monitors.

### **McCarran International Airport,** Security Checkpoint

Las Vegas's McCarran International Airport is the site for an unusual "show" that every traveler coming into or leaving the city gets to see, free of charge. The routine purpose of the Security Gate Audio Visual Communications System is to prepare passengers for their "supporting role" in security procedures, but the airport management decided a fast-paced video program featuring celebrity cameos would effectively hold people's attention. The show is presented on large-format video screens spaced throughout the pre-security waiting areas. For controlled and highly intelligible audio, 21 UPM-2P ultracompact narrow coverage loudspeakers are mounted above or below the screens. Reliability is key, as, unlike other Vegas shows, the McCarran Airport system runs continuously, every day of the year.

#### Equipment List

- (10) MICA compact high-power curvilinear array loudspeakers
- (2) 700-HP ultrahigh-power subwoofers
- (1) LD-3 compensating line driver

- (18) M1D ultracompact curvilinear array loudspeakers
- (2) UPJ-1P compact VariO™ loudspeakers
- (8) M1D-Sub ultracompact subwoofers

- (21) UPM-2P ultracompact narrow coverage loudspeakers

“ I took a technical tour of the system at The Colosseum at Caesars, built for Celine Dion. A few months later, I heard a MICA system demo at the Shrine Auditorium in LA. That sealed the deal.

**Adam Ogden**  
Technical Director  
Canyon Ridge Christian Church



McCarran International Airport



Community Lutheran Church

thinking sound



## Worldwide Offices

### Meyer Sound Headquarters

2832 San Pablo Avenue  
Berkeley, Calif., 94702  
USA  
T: +1 510 486.1166  
F: +1 510 486.8356  
sales@meyersound.com  
www.meyersound.com

### Meyer Sound Nashville

T: +1 615 244.2472  
nashville@meyersound.com

### Meyer Sound Sierra Madre

T: +1 626 836.0446  
F: +1 626 836.4883  
sierramadre@meyersound.com

### Meyer Sound Australia Pty Ltd

T: +61 7 3252.4433  
F: +61 7 3252.3380  
australia@meyersound.com

### Meyer Sound Belux

T: +32 2 567.2710  
F: +32 2 567.2709  
belux@meyersound.com

### Meyer Sound Brazil

T: +55 11 3816.0401  
brazil@meyersound.com

### Meyer Sound Canada

T: +1 250 549.2558  
F: +1 250 549.2668  
canada@meyersound.com

### Meyer Sound CIS

T: +7 095 943.0091  
F: +7 095 947.9140  
russia@meyersound.com

### Meyer Sound España S.A.

T: +34 90 216.0245  
F: +34 90 018.0762  
spain@meyersound.com

### Meyer Sound Lab. Germany GmbH

T: +49 2602 99908.0  
F: +49 2602 99908.99  
germany@meyersound.com  
www.meyersound.de

### Meyer Sound México S. de R.L. de C.V.

T: +52 55 5631.8137  
F: +52 55 5630.5391  
mexico@meyersound.com  
www.meyersound.com/spanish

### Meyer Sound Portugal

T: +351 91 512.8686  
portugal@meyersound.com

### Meyer Sound UK Ltd

T: +44 7887.777150  
uk@meyersound.com



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