

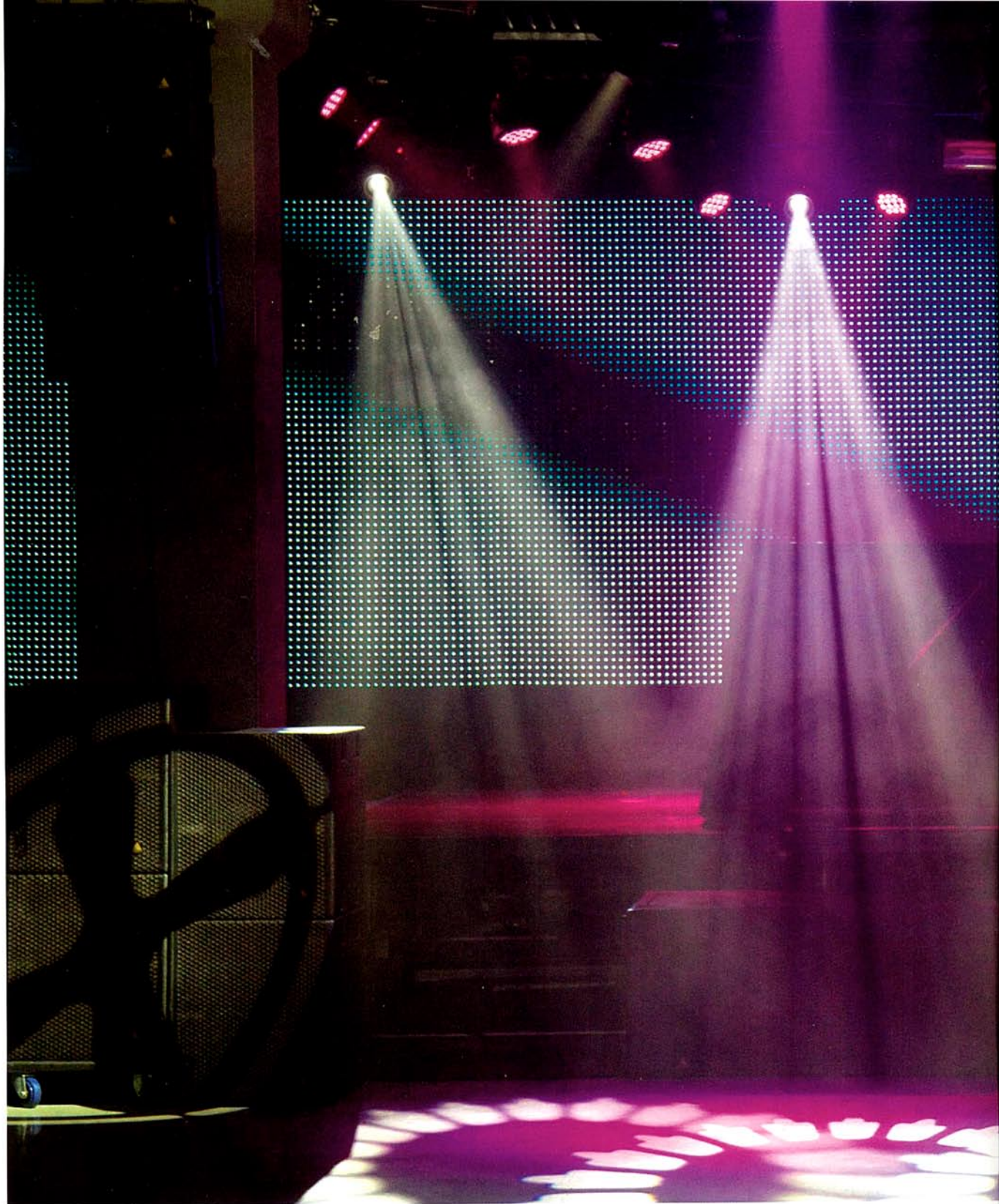
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GRAND CENTRAL



MIAMI, USA
THE AMERICAS

Grand Central is a multi-functional venue located the heart of Miami's Park West clubbing district. The venue is marketed as an events space, which can cater for DJs, live music or can host private or corporate events. Thanks to its minimalist interior, made from steel and polished concrete, the venue can cater for up to 1,500 people, 1,200 inside, and an extra 300 in the venue's loft area. Its somewhat undefined nature also means that any DJ, live performer or event host can personalise the space to his or her own requirements. Given that entertainment spaces don't generally last a lifetime, a flexible venue like Grand Central is a favourable investment.

For Production Manager and Systems Engineer Titus Woodham,

Grand Central turned a life long dream into reality. For much of the past decade Titus has worked as a touring Audio Engineer, however, he has always felt a close connection to Miami. Despite being fond of Miami, Titus has the opinion that it has been missing a mid sized venue, able to cater for live performance for a number of years. He made it his mission to change that. After talking to close friend and successful promoter Aramis Lorie on many occasions in recent years, it was finally on New Year's Day of 2010 that Aramis approached Titus and asked him to help design, build, and create Grand Central. And it was the very next day when Titus and a team from his company Freq Productions began working on the plans. Titus said: "I had full creative control. I used my knowledge, expertise and experience to design, integrate and install all of the production based systems. I had a bare building so I started at the source. I designed and installed a fully isolated electrical system for both the audio and visual systems, with industry standard 200amp,



three phase, and cam-lock connections."

The next decision that needed to be made was the choice of audio equipment. Titus called upon a company he had worked with before on previous projects, Miami based Beachsound, headed up by owner Andre Serafini. There were a number of possibilities for the audio system. Andre and his Project Manager, Paolo Mangones, presented all the options to Titus, and after consideration he opted for a sound system from Adamson.

Titus said: "Jesse Adamson (Adamson's Director of Marketing and Sales) came down to Miami, met with us and took a look at the venue. After seeing the place he offered to fly one of his systems over so we could hear it for ourselves. Once the Adamson rig arrived, combined with the expertise of Ewan McDonald, Adamson's Applications Engineer, we were utterly blown away!

"The Metrix rig was compact, yet had a full huge sound that maintained crystal clear fidelity at exceptionally high SPLs. I

absolutely fell in love with the footprint / rigging cohesive coverage and incredible sound."

Ewan described how his Adamson design for the final PA system at Grand Central was the right choice for this application. He said: "There were a couple of deciding factors. The first being that the Metrix line array system is small enough to be unobtrusive but has exceptionally power handling capability. The PA system at Grand Central needed to be able to handle extreme SPLs as Miami clubs like it loud. Other compact line array systems simply can't handle the SPLs while remaining distortion free. The Kevlar driver is the key component here. The other deciding factor was the T21 sub. We used a combination of T21 and Metrix Subs, but the T21 can provide that earth shaking bottom end that other subs simply can't keep up with."

The system consists of a stereo Metrix line array system, with each array consisting of four Metrix and one Metrix W (wide angle ►



“Working with Adamson’s team was fantastic. Their attention to every detail and willingness to go above and beyond the client’s expectations really made it a phenomenal experience for everyone.”

vertical enclosure). On the floor there are four Metrix Subs per side and a mono cluster of two T21 subwoofers. This configuration provides a full range system capable of extreme SPLs, but with the benefits of an ultra compact line array. The system’s compact nature is vital to Grand Central, as the roof does not allow for a high trim height. Using the Adamson equipment means there is plenty of room to have enough cabinets in the air to have control over the front-back SPL.

“The Metrix Subs each consist of two 15-inch Kevlar drivers and it is a great punchy sub, which is used to provide the low-mid punch between the 8-inch and the T21-inch. The pair of T21’s takes care of all the very low sub frequencies and provides the ground shaking bottom end the guys were after. These days there are a lot of products that sound good at moderate levels, but when pushed hard, they fall apart. Adamson products really come into their own in this respect,” explained Ewan.

There are a further two Point 12 speakers, two Point 15 speakers, three Point 215 subwoofers, a single M212 wedge, and four M12

wedges, which are used as stage monitors and various zone fills. Project Manager Paolo said: “Working with Adamson’s team was fantastic. Their attention to every detail and willingness to go above and beyond the client’s expectations really made it a phenomenal experience for everyone. The system and its design works exceptionally well in this venue.”

The mixing console at Grand Central is an Avid VENUE SC48. The console has a small footprint and has the feature set needed for the venue, especially in circumstances where multiple bands need to use the same desk for both FOH and monitors. Adamson specified the amplifiers and processors, choosing those which would work best with its own products. Amplification is provided by a combination of Lab.gruppen FP+ series amplifiers and processing is taken care of by XTA 4 Series. Adamson has been using Lab.gruppen exclusively on its Touring Series products for a long time and have always counted on them for their power handling, fidelity ▶

TECHNICAL INFORMATION

SOUND

4 x Adamson Metrix line array system; 1 x Adamson Metrix W wide-angle vertical enclosure; 8 x Adamson Metrix Sub double 15-inch subwoofer; 2 x Adamson T21 double 21-inch subwoofer; 2 x Adamson Point 12 speaker; 4 x M12 Adamson monitor wedge; 1 x Adamson M212 monitor wedge; 2 x Adamson Point 15 speaker; 3 x Adamson Point 215 subwoofer; 1 x Avid VENUE SC48 console; Lab.gruppen FP+ Series amplifier; XTA 4 Series processor; 4 x Technics 1200 Mk5 turntable; 4 x Pioneer CDJ-2000 CD deck; 2 x Pioneer DJM-800 mixer; 2 x Rane SL 3 with Serato Scratch Live; 1 x Rane SL 1 with Serato Scratch Live

LIGHTING

6 x Martin MAC 250 Krypton moving head; 2 x Martin MAC 2000 moving head; 4 x Martin Atomic 3000 strobe; 24 x Chauvet COLORado Tri Tour LED par can; 8ft x 32ft x 37mil pitch SMD LED curtain; 1 x High End Systems Road Hog 3 software

www.grandcentralmiami.com