



Rock solid audio link from level 112 to the ground

Burj Khalifa



“Once the XIRIUM links were up and running they were rock solid, and we didn’t notice any degradation in quality or glitches at all, which was very re-assuring.”

Liam McGrath, Technical Manager, Delta Sound

Who?	Delta Sound, Dubai, UAE via Neutrik Distributor NMK Electronics Ent.
Where?	Burj Khalifa
What?	2 x NXX1TX-T 4 x NXX1RX-T 6 x NXBP-T-6 2 x NXA-14-40-35

Challenge

- Connection from level 112 of Burj Khalifa to the ground and from there two separate links to Burj island and the OB trucks.

Result / Customer Benefits

- Compared to laying the fibre cables (4 x 700 m) across one of Dubai’s most public areas, which took 5 men a couple of days, XIRIUM was up and running within 30 minutes.
- Further XIRIUM provided easy setup for temporary audio links during build up and testing.
- „The sound was great, it passes full bandwidth audio so it is perfect for our applications.”





Catch the ambience

Cinema Symphonic - Summer Concerts University Munich



"Perfect! Recording natural room ambience and applause has never been easier."

Josef Angloher, Freelance Sound Engineer

Who?	University Munich, Germany
Where?	Auditorium Munich University of Applied Sciences and Herkules hall at the Munich Residenz
What?	1 x NX4TRX base station 2 x NX1TX transmitter 2 x NXA-10-360-10 antennas

Challenge

- The brief was to catch the ambience at the summer concerts of the Munich University
- The right placement of the antennas as well as of the microphones and XIRIM remote transmitters NX1TX was challenging. The microphones (AKG C3000) hung down from the NX1TX transmitter units which

were fixed to the railing of the upper echelon in the hall. Thanks to the locking device this was no problem. Cables could be laid only very costly. Thanks to wireless technology, it was also easier to test different micro-positions, since cable connections did not have to be relaid.

Result / Customer Benefits

- Applause and ambient sound could be controlled separately in the mixdown.
- As the microphones were a long way from each other the stereo imaging could be deepened.
- With LOS (line of sight) a problem-free transmission over the entire duration of the event (about 3 hours), was guaranteed.
- Live signals with high and percussive noise (e.g. applause, symphony orchestra with choir) could be transmitted properly.
- iPads were operated in the 5 GHz band in parallel without problems.
- The ease of use and the few components of the XIRIUM system also allow spontaneous use.





Pure Sound

Brit Awards 2014 After Show Party



"Sounds just like a cable."

**Matt Podd
Podd Sound Ltd**

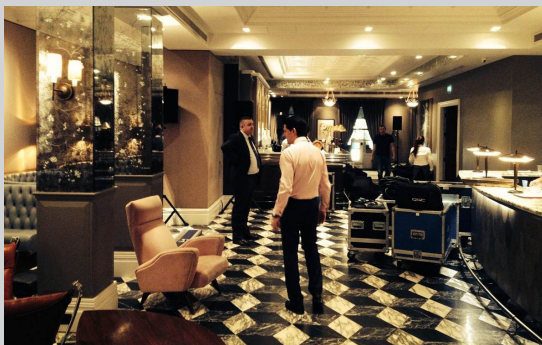
Who? Podd Sound Ltd, Surrey, UK
Where? Brasserie in The Arts Club, Mayfair W1
What? 1 x NX4TRX
2 x NX1RX-T
1 x NXA-14-40-35
1 x NKXA-4.5

Challenge

- The room with marble floors, a seafood servery and beverage bar was a real challenge for rental company Podd Sound, whose client insisted that no cables should be visible.

Result / Customer Benefits

- XIRIUM connected two MeyerSound Mica line arrays, complete with subwoofers, sited either end of the Brasserie in The Arts Club, Mayfair W1.
- With remote antennas sited close to the ceiling, XIRIUM performed flawlessly without a single clitch even with the room full of guests.





No cabling allowed but good sound quality wanted

Welcome to Yorkshire for the Tour De France – 100 Day Dinner



“After my first experience with XIRIUM I will without a doubt use XIRIUM again.”

**Charlie Brown
AV Matrix**

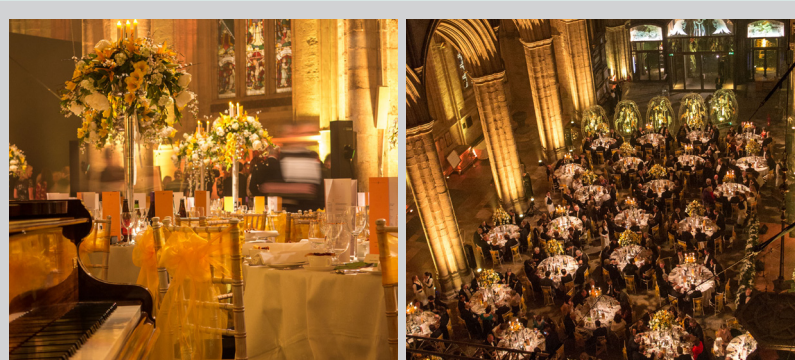
Who? AV Matrix Ltd, Wetherby, UK
Where? Ripon Cathedral, Ripon, UK
What? 1 x NX4TRX base station
4 x NX1RX
5 x NXA-14-40-35 Antenna
hired from Joe Mitchel of Sound Hire

Challenge

- The event was “Welcome to Yorkshire’s 100 Days Dinner”, held at Ripon Cathedral to launch the 100 days count down to The Tour De France.
- AV Matrix’ brief was to provide high quality sound reinforcement for the speeches and also good music quality sound for the backing tracks which accompanied aerial dancers and singers on stage, whilst they performed to the newly composed Tour De France “anthem”.
- A major technical challenge they had within the Cathedral was that no cables were allowed to cross the building!

Result / Customer Benefits

- On the night XIRIUM was instrumental in overcoming the problem of getting audio signals to the loudspeakers, without running wires between the pillars.
- The PA sound was linked by XIRIUM, in a system which consisted of a 4 channel transmitter unit; sending 4 separate audio feeds across to 4 clip on receivers. These receivers were attached to the sides of 4 RCF column loud speakers.
- When using the small aerials on the transmitters if someone passed by, the signal would drop out. However, when using the external antennas at a reasonable height there was no problem.





No cabling through the audience seating area

British Pageant for the LDS Church



“You made it work so successfully at the Pageant, that it stuck in my mind. This first impression of XIRIUM resulted in my SKY Sports enquiry. We’re using it ourselves now and it’s all good!!”

Davie Dion
VME, owner
and SKY Senior Television Sound Supervisor

Who?	VME, Knutsford, Cheshire, UK
Where?	Preston Temple of The Church of Jesus Christ of Latter-day Saints, Lancashire, England
What?	1 x NX4TRX base station, 2 x NX4TX, 2 x NX4RX, 2x NXM-35, 2 x NXM-20

Challenge

- Connect audience effects, microphones and video camera feeds.
- Cables through the audience seating area was not a viable option

Result / Customer Benefits

- Sound feeds of the audio mix were sent wirelessly to video cameras filming the event via XIRIUM receivers.
- The battery powered cameras were situated within the audience areas ruling out the use of cables due to public health and safety.
- These audio links allowed a synchronous soundtrack to be recorded with each camera’s footage to aid editing. The full multitrack recording could then be remixed in post-production and easily synchronised to the final cut of the edited video.





XIRIUM: Fixed audio installations in shopping halls

Sound for two HH Shops



“The customer saved several kilometer of cables and significant installation costs and time.”

Johannes Vegh
www.neutrik.com

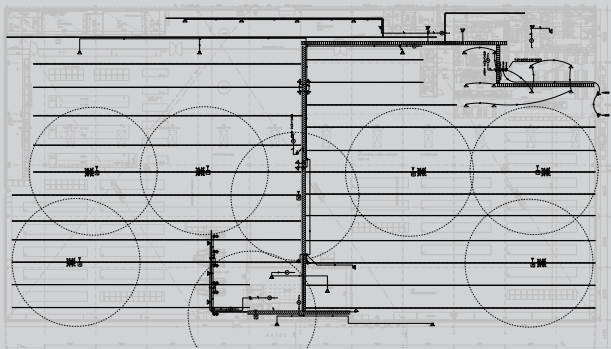
Who? HH Shops
Where? Liminka and Kokkola, Finland
What? 1 NX4TRX, 6 NX1RX

Challenge

- In two almost identical, newly built shopping facilities sound clusters (each consists of 4 boxes for 360° sound, mono) shall be mounted on ceiling beams (very high wooden girders)
- Power supply already available, audio should be wireless
- Total area approx. 94 m x 49 m

Result / Customer Benefits

- In each of the two projects one NX4TRX transmits sound to 6 sound clusters in broadcasting mode.
- Easy installation and integration of the entire system (apart from reaching the installation points on ladders)
- Cost saving





XIRIUM used for measurement purposes

Crosby, Stills & Nash - Europe concert tour



“Just a quick email to let you know about the resounding success the XIRIUM system has been for us so far on the CSN tour. Measurements have been sped up drastically and the XIRIUM system has been very dependable and robust for our purposes. Thanks Kevin”

Kevin Madigan
www.crobystillsnash.com

Who?	Crosby, Stills & Nash audio engineering team
Where?	All around Europe
What?	1 NX4TRX, 4 NX1TX

Challenge

- XIRIUM replaces the cables between front of house and the various measuring microphones in the concert hall, which are used to level/calibrate the main PA systems.
- Transmission of the uncompressed audio measuring signals with fixed, sample accurate latency of 3ms over distances up to 150 m

Result / Customer Benefits

- 4 TX-TRX lines were used whereat the TX protables delivered 48 V phantom power for the measuring microphones.
- Time saving and cost reduction as hundrets of meters of cables had not to be layed and reeld up again.
- Space saving on the tour as cable reels were not needed.





XIRIUM is the perfect solution for all kinds of galleries and balconies

MDS PAtec - Sportfreunde Stiller in concert at BMW museum



"XIRIUM brought us ease of work thanks to omitted cable connections over two floors, time saving and thereby more time for other tasks."

Marco Evert, MDS PAtec
www.mdspatec.com

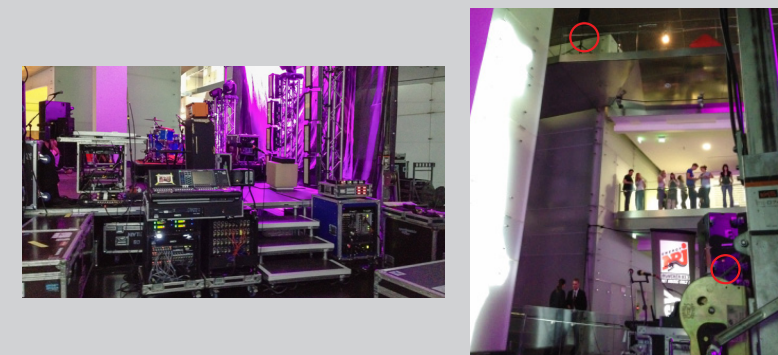
Who?	MDS PAtech Veranstaltungstechnik GmbH, Munich, Germany
Where?	Sportfreunde Stiller concert at the BMW museum in Munich, Germany
What?	1 NX4TRX, 2 NX1RX

Challenge

- Sound of the concert had to be provided to the foyer and lobby of the museum which was 2 stories above the stage
- Due to the architecture of the building it was nearly impossible to wire the two active speakers over two floors
- Transmission line approx. 20 m

Result / Customer Benefits

- Set up of the base station TRX at the stage and two receivers RX at the speakers was done in only 15 minutes
- Battery power of the remote units was more than sufficient for the two hour concert
- Fast, easy setup of the digital radio link between base and portables
- Ease of work thanks to omitted cable connections over two floors, time saving and thereby more time for other tasks
- Reception was good and stable
- No frequency stress with other radio links (musician's in-ear and wireless microphones)





XIRIUM fills the whole downtown at the city festival with sound

Lehner Akustik - Liechtenstein national holiday



"The sound quality with XIRIUM has been the same as it would have been over a cable."

Pascal Lehner, Owner, Lehner Acoustik
www.lehner-akustik.com

Who?	Lehner Akustik, Balzers, Liechtenstein
Where?	Liechtenstein national holiday city festival, Vaduz, Liechtenstein
What?	2 NX4TRX, 7 NX1RX-T, 5 NXA-10-60-55

Challenge

- Sound, received from the local broadcaster, had to be distributed throughout the city center
- PA system had to cover an area of 600 by 250 meters

Result / Customer Benefits

- Two base stations placed on the north and south side and remote antennas at different locations were needed to cover the whole area
- XIRIUM receivers RX where spread all over the city center
- The Liechtenstein Office for Communication, issued a temporary license for the outdoor use of the WLAN channels





Robustness of XIRIUM confirmed in tough environment

POOLgroup - Mobile World Congress



„I was surprised that XIRIUM worked so perfectly in such an extreme environment and that a stable connection could be set up and kept up.“

Johannes Roesel, Director POOLsound
www.pool.de

- Who?** POOLgroup, event production company, Emsdetten, Germany
- Where?** Trade fair booth of SAMSUNG at the Mobile World Congress in Barcelona, Spain
- What?** 1 NX4TRX, 2 NX1TX, 2 NX1RX and 2 NXA-10-60-55 transmitted line signals, two mono channels for the way there and one mono channel for the way back

Challenge

- Connect the audio lines of two parts of the booth
- Laying cables was not possible for safety reasons as cable routing on, above, or under emergency routes was not allowed
- Transmission line approx. 40 m and „line of sight“ connection was not accepted as all technical systems had to be integrated „invisibly“ in the booth construction

Result / Customer Benefits

- XIRIUM worked perfectly in an extreme environment
- Stable connection could be set up and kept up
- On the 2.4 GHz and on the 5 GHz band lots of activity could be seen, but transmission by XIRIUM was in no way affected
- Flexibility of XIRIUM allowed perfect coordination with other users of the frequency bands at the booth
- Customer was impressed by the technical support given by Neutrik

