CITY THEATRICAL
NEW YORK · LONDON

CASE STUDY:
Multiverse Wireless DMX/RDM

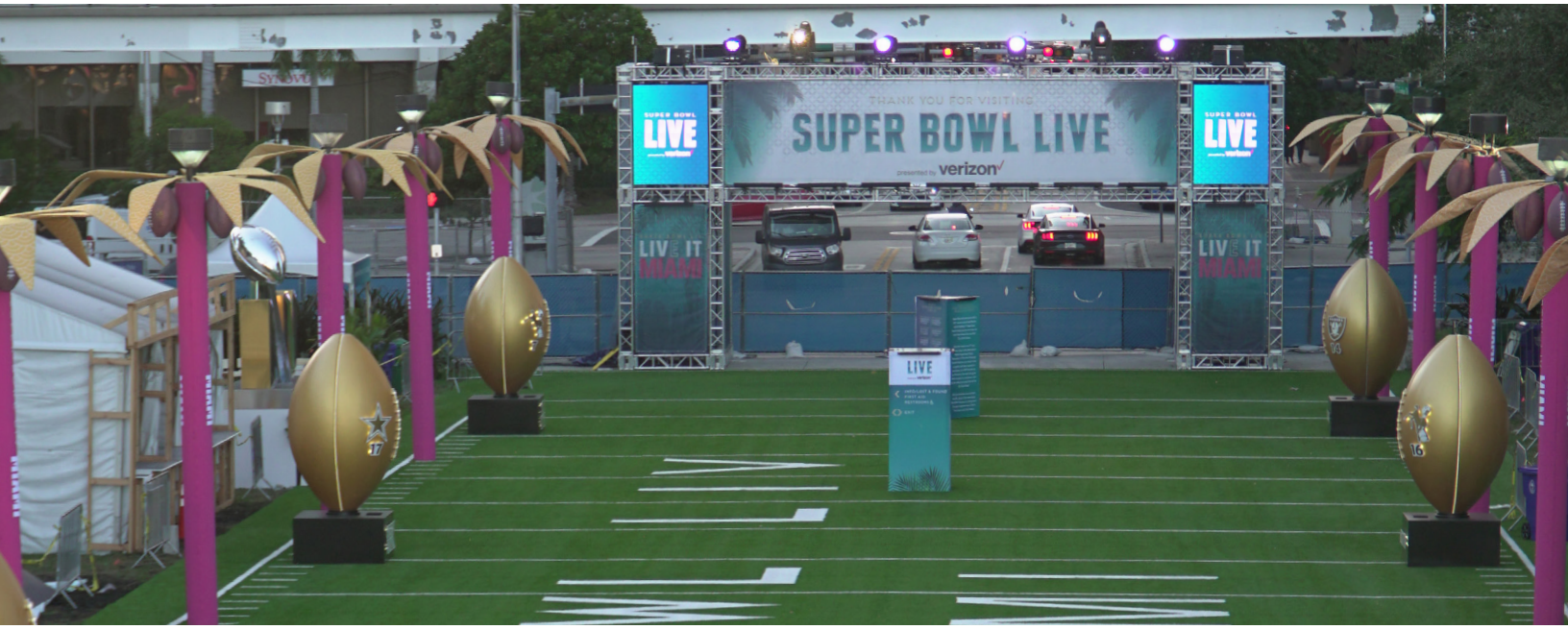

Photo Courtesy of Dynamic Productions USA

PROJECT SNAPSHOT

Project Name:	**Wireless DMX for Super Bowl LIVE Fan Fest At Bayfront Park**
Location:	**Miami, Florida**
Completion Date:	**February 2020**
Client:	**Miami Super Bowl Host Committee**
Lighting Installation:	**Dynamic Productions USA**
Lead Field Technician:	**John Fitzgerald**
Team Members:	**Brian Rosenblum, Ricardo Silva**
City Theatrical Solutions:	**6 Multiverse® Transmitter 900MHz/ 2.4GHz (5910), 20 Multiverse Nodes 900MHz/2.4GHz (5902)**

SUPER BOWL LIVE

Super Bowl LIVE presented by Verizon was the Miami Super Bowl Host Committee's free-to-the-public fan fest, which offered a fully integrated, interactive and immersive experience for fans to enjoy. The seven-day event featured Tailgate Town, Culinary Demos, Environmental Village, fan activities, musical performances, and water shows.

CHALLENGES

As part of providing a stellar lighting solution for the week-long public fan fest leading up to Super Bowl LIV at 32-acre Bayfront Park in Miami, Florida, the lighting installation team from Dynamic Productions USA knew they would have to find a robust wireless DMX solution that they could rely on for Super Bowl LIVE, despite the distance, bandwidth traffic, duration of use, and tropical weather challenges of this unique event.

The team determined that the most unique wireless DMX challenge of such a heavily publicized event would be the potential interference from media coverage before and during the event. The ideal wireless DMX solution would offer frequency options to help mitigate the threat of heavy bandwidth traffic coming from the media, other event systems, event goers, and the surrounding city.

The event design included truss towers, and the team intended to mount portions of their wireless DMX solution at height to maximize their broadcast. The ideal solution would be easy to set up and work with around these trusses.

SOLUTION

City Theatrical's Multiverse wireless DMX/RDM technology was selected and used to divide Bayfront Park into six separate wireless DMX zones. One Multiverse Transmitter 900MHz/2.4GHz unit was used for each zone, each used with a Panel Antenna. The lighting installation team set up multiple Multiverse Nodes, all with a Yagi antenna, within each zone for a total of 20 Nodes throughout the park. All antennas were set up on the truss towers around the park to maximize the distance of the wireless broadcast and reception.

"Multiverse worked great for us. When starting to design this show, Multiverse was the best option for us to get data around Bayfront Park. It made our load in process much quicker as well."

- John Fitzgerald, Dynamic Productions USA

Photos Courtesy of Dynamic Productions USA

SOLUTION *(Continued)*

While the Panel and Yagi antennas were attached on the top of each truss tower, the team was able to install the Multiverse Transmitters and Nodes within waterproof cases at the bottom of the truss towers. This allowed for easier access and overall ease of use.

As the lighting installation team's first time using Multiverse, they were able to set up Multiverse quickly and easily using RDM from the DMXcat® app on their smartphones.

They also used Multiverse's dual band technology on the 900MHz and 2.4GHz bands in order to avoid interference with the numerous camera crews and other wireless systems being used that week around the park to celebrate Super Bowl LIV, as well as the bandwidth traffic from the surrounding downtown area.

"Once I got the first Multiverse Transmitter and Nodes set up, it was a breeze to get them all up and running."

- John Fitzgerald, Dynamic Productions USA

Learn more about Multiverse Transmitters at:
www.citytheatrical.com/products/multiverse-transmitter

Learn more about Multiverse Node at:
www.citytheatrical.com/products/multiverse-node

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