



Photo Courtesy of CS Lighting LLC

PROJECT SNAPSHOT

Project Name: **Multiverse Wireless DMX at *Kinky Boots***, co-produced by Slow Burn
Venue: **Broward Center of the Performing Arts**
Location: **Fort Lauderdale, Florida**
Performance Dates: **December 18, 2021 - January 2, 2022**
Scenic Designer: **David Rockwell**
Lighting Design/Programmer: **[Clifford Spulock](#)**
Assistant Lighting Designer: **Desirae Merritt**
Lighting Package: **CS Lighting LLC**
Technical Director: **Christopher Evans**
Master Electrician: **Q Bryant**
City Theatrical Solutions: **[Multiverse® SHoW Baby® \(8 units\)](#), [QolorFLEX® SHoW DMX Neo® 4x2.5A Dimmers \(8 units\)](#), [DMXcat® Multi Function Test Tool](#), [Standard Top Hats](#), [Moving Light Assistant™](#), [Vectorworks® Spotlight](#)**



The [Broward Center for the Performing Arts](#) presents more than 700 performances each year to more than 700,000 patrons. Overlooking the New River in downtown Fort Lauderdale, this premier performing arts venue hosts Broadway musicals, operas, ballets, concerts, plays, multi-cultural performances, lectures, workshops and educational events.

Q&A WITH LIGHTING DESIGNER CLIFFORD SPULOCK:

City Theatrical (CTI): What were the unique challenges for the show?

Clifford Spulock (CS): There are an extensive number of moving lights, LED tape, and practicals throughout the *Kinky Boots* set, which was rented through Kinky Boots LLC out of New York City for use on the Fort Lauderdale show, such that we needed wireless DMX to be configured and set up to work flawlessly with the lighting system. We had moving lights set up on the balcony, in the air, and lots of battery-operated lights on the scenery. Having the Multiverse SHoW Baby units work with only a little bit of configuring helped us save time and efforts and made the load in and configuration a lot easier than it could have been.

CTI: Why was wireless DMX important for this project?



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“We needed wireless DMX to work flawlessly with moving lights on the balcony and in the air, and in the scenery. The Multiverse SHoW Baby units worked with only a little bit of configuring, which made the load in a lot easier than it could have been.”

- Clifford Spulock, Lighting Designer/Programmer, *Kinky Boots* co-produced by Slow Burn and the Broward Center of the Performing Arts

Q&A (Continued)

CS: The set pieces are all moving around stage and use battery-powered lights, so we needed a wireless DMX solution to avoid relying on running wires to them. Multiverse SHoW Baby transceivers were an ideal wireless DMX solution for this show, as they do not require much power to run, and we were able to mount them to the set pieces, like an LED pixel wall that flew in and off the stage. We provided power to the Multiverse SHoW Baby units being used as receivers with batteries already in the set, without using a standard plug. This not only allowed us to run as few cables as possible, but also meant that there was a lot less room for failure going forward, as set pieces flew in and out, knowing the mounted Multiverse SHoW Babies would provide wireless DMX to the set lights as needed. If we ever experienced a signal problem, it was predictable, and we were able to fix it easily.

Wireless DMX was also important for this project because we had so many moving lights mounted to the balcony rail. With Multiverse SHoW Baby, we were able to mount them on the rails without worrying about DMX lines that may be cumbersome or potentially unsafe to the audience.

CTI: How are you using Multiverse SHoW Baby units as transmitters/receivers?

CS: One Multiverse SHoW Baby unit is being used as a transmitter on a custom network track backstage, with a Streaming ACN node that we used to configure different universes. We've set up all of our transmitters right there, as a single place to send data and troubleshoot. Other than Multiverse wireless DMX, we're also using one show solution to connect to Chauvet Maverick MK2 profiles.

The other seven Multiverse SHoW Baby units are set up as receivers in various areas around the theatre that have moving lights, practicals and electrics, including the LED pixel wall and other set pieces that move in and out, on the balcony rail, and in the air.

CTI: How did the Multiverse SHoW Baby units and QolorFLEX wireless DMX dimmers do on opening night and beyond?

CS: The combination of Multiverse SHoW Baby units and QolorFLEX wireless DMX dimmers worked perfectly – everything worked the way we needed it to. The set pieces have power switches that are turned on and off during the show to save battery, and the QolorFLEX Dimmers adjusted immediately and provided dimming control exactly when we needed it.

CTI: Why was Multiverse wireless DMX the right solution for this show?

CS: This production of *Kinky Boots* required us to set up our lighting – with many moving set pieces, intricate fixtures and LEDs, and various components that need independent control – within a very narrow time frame. This show needed the reliability of Multiverse wireless DMX to function well. We planned to use Multiverse wireless DMX from the start, due to its ease of use and versatility, and it has been an asset to our lighting setup.