



PROJECT SNAPSHOT

Project Name:	THE POLAR EXPRESS™ Train Ride
Locations:	Chicago, New Orleans, Fort Lauderdale, and Whippany, NJ
Installation Completion:	November 2018
Lighting Package:	Christie Lites
Wireless DMX Package:	Theatrical Lighting Connection
Lighting Control:	ETC Eos
City Theatrical Solutions:	SHoW DMX SHoW Baby® 6 and External Weatherproof Antennas



[Rail Events Incorporated](#) produces THE POLAR EXPRESS Train Ride show, a re-creation of the classic children's story on board a real Amtrak train. The show takes guests on an hour-long train ride where they're treated to a live, Broadway-style show in the aisles of the train. The 2018 productions run simultaneously in four locations nationwide.

CHALLENGES

As a live Broadway-style show aboard a real Amtrak train, the primary challenge of building the ideal ambiance for THE POLAR EXPRESS Train Ride was logistics. The creative team, which consisted of lighting, sound, props, and costume designers, two stage managers and production managers, put as much attention to detail into each car of the train as they would a show in a proscenium space.

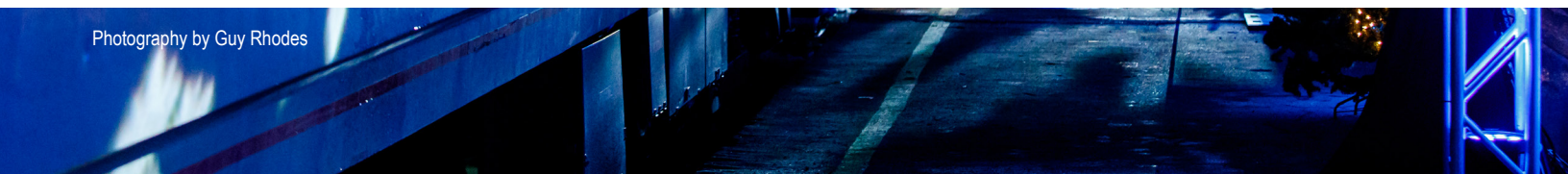
To maximize the experience for each passenger, the team positioned a complete theatrical lighting and sound system in the luggage racks of each train car. This setup required a simple way to control each system wirelessly, whether the train was in the station or moving. The wireless DMX products would also require stability to function in congested areas of the RF spectrum, since the shows are located in urban areas.

SOLUTION

City Theatrical's SHoW DMX SHoW Baby 6 products were used (two as transmitters, two as receivers), in addition to two External Weatherproof Antennas, in a plug and play manner to transmit wireless DMX from each train.

“The four SHoW Baby 6 units, combined with the external antennas, have blown us away again this year in terms of their range and reliability in the heavily-congested downtown Chicago RF spectrum.”

- Guy Rhodes, Lighting Designer, THE POLAR EXPRESS Train Ride





Photography by Guy Rhodes

SOLUTION *(Continued)*

City Theatrical's SHoW Baby 6 units and External Weatherproof Antennas were used to provide wireless control for two universes of DMX on the boarding platform, for a total of 760 DMX channels and one cue list from the console.

“We are able to transmit two universes of wireless DMX from a moving train to our train platform display (in a tunnel) with rock-solid reliability, even when the train has pulled away and is out of sight.”

- Guy Rhodes, Lighting Designer, THE POLAR EXPRESS Train Ride



Learn more about SHoW DMX SHoW Baby 6 at:
www.citytheatrical.com/products/show-dmx-show-baby-6-wireless-dmx

City Theatrical External Weatherproof Antennas are used as train transmitters that work with SHoW DMX SHoW Baby 6 plug and play wireless technology.

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