

Wireless Trailer Steering Controls

Challenge

John Henry Foster Company was asked to provide a wireless controls solution to remotely steer extended length trailers. The trailers are built with a steerable axis, and wireless control is needed so that the trailer can be maneuvered through narrow parking lots or around obstacles.

Goals

- Provide a wireless solution for left and right steering controls
- Wireless controls should have an extended range
- Wireless controls should be on a secure frequency so that interference is not an issue
- Rugged build for mobile environment
- Manual Override

System Features

- REMTRON brand reliable wireless transmitter and receiver
- 1500+ foot wireless range
- Removable wired pendant for manual override
- JHF Integration of Controls to mobile rated hydraulic steering unit
- Rugged handheld transmitter with leather protective wrap

Project Success

- Accurate and reliable steering of trailer rear tires
- No issues with reliability, interference, or range

