

# GE Transportation

Ultra Cab II is a solid-state cab signaling solution that provides real-time onboard reception of wayside signals allowing for safer, more productive hauling of products.

The heart of this state-of-the-art system is a multi-territory cab signal receiver built on dual digital signal processing technology that meets the FRA requirements for cab signal systems. This system can be used with or without wayside signal lights, which can substantially lower wayside maintenance costs. It can enforce acknowledgement of changing aspects to ensure the engineer's awareness along with territory-specific speed limits to prevent derailments and collisions.

The front-end receiver can change filtering properties and response characteristics from one territory to another as easily as changing channels on a radio, with easily configured

input boards and versatile general purpose output boards. Vital output boards drive aspect displays, magnet valves, train lines, or relays. System braking assurance is enabled through pressure switches, speed signal inputs, or a solid-state decelerometer to provide passenger comfort and to compensate for track grade.

Ultra Cab II can be used as the onboard hub to implement advanced train control systems using track transponders, GPS receivers and radios for radio-to-wayside communications.

Designed for reliability and long life, Ultra Cab II provides troubleshooting data and onboard self tests for fast problem diagnosis and a low mean time to repair. The modular design and system architecture will enable expansion to meet future operational needs.



## Ultra Cab II

Flexible, Reliable Onboard Safety System

