



RAIL CONNECTIVITY, WITHOUT LIMITS



AUTHORIZED
INTEGRATOR
& RESELLER

STARLINK

For the first time in rail history, operators can achieve seamless broadband connectivity across their networks without having to rely only on terrestrial technology that suffers from coverage gaps, congestion and inconsistent performance. Speedcast's dedicated team of rail sector experts and market leadership in Low Earth Orbit (LEO) solutions makes it possible.

Speedcast delivers seamless hybrid connectivity and combines the latest LEO satellite technology with intelligent network management to connect trains, passengers, crews and trackside assets, anywhere, anytime.



LEO Rail Expertise

Specialized know-how in Starlink, OneWeb, and next-gen LEO built specifically for rail environments.



End-to-End Managed Service

One partner for hardware, connectivity, SD-WAN, deployment, monitoring and support, plus full visibility and control through an industry leading customer portal.



Rail-Focused Engineering & Deployment

Specialists who understand standards, compliance, onboard installation, operational environments and the unique demands of rail.

Applications We Power

Passenger Experience

High-speed WiFi, Media & Entertainment, streaming, video conferencing, robust voice-calls and digital passenger services.

Operational Communications

Driver communications, command & control, train location and telemetry.

Monitoring & Analytics

Live CCTV backhaul, remote diagnostics, fleet-wide analytics platforms and infrastructure monitoring data transmission.

Freight Rail

Continuous communications between locomotives, operations teams, and trackside infrastructure improve visibility, asset monitoring, location tracking, telemetry, and security – across even the most remote corridors.

Passenger Rail

High-performance onboard WiFi that goes beyond cellular limitations, paired with crew communications, train monitoring, CCTV backhaul, Media & Entertainment, and real-time service information – for a consistently better journey.

Connect Onboard and Trackside Assets

Speedcast connects distributed rail infrastructure – level crossings, infrastructure monitoring systems, wayside cabinets, junction boxes, and remote equipment – without the cost and complexity of extending terrestrial networks or integrating with copper/fibre trackside networks.



Connected Locomotives

Always-on onboard comms



Intelligent Wayside

Trackside infrastructure



Real-time Data Flow

Across the entire network



Predictive Operations

Automated, data-driven



Centralized Control

Distributed intelligence

Changing the Game with LEO

Speedcast connects distributed rail infrastructure — level crossings, infrastructure monitoring systems, wayside cabinets, junction boxes, and remote equipment — without the cost and complexity of extending terrestrial networks or integrating with copper/fibre trackside networks.

THROUGHPUT

High-Speed Broadband

RESILIENCE

Low-Latency, Multi-Orbit

COVERAGE

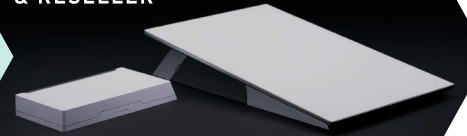
Remote & Rural Corridors

Market-Leading Starlink Expertise for Rail

As the market leader in Starlink connectivity for enterprise, Speedcast helps rail operators unlock the full potential of their Starlink service. Our rail sector experts lead the industry in advancing rail-grade hardware and setting the standard for high-speed, in-motion satellite performance on rolling stock.

We don't just deploy technology – we make it fit how rail needs to operate. With typical latency under 60 ms, Speedcast's connectivity makes real-time command and control possible, even at speed and in motion.

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Enterprise-Grade Starlink Performance, Purpose-Built for Rail

Through targeted modification and recertification, Speedcast rail experts transform proven platforms into rail-ready solutions.

Speedcast combines deep technical expertise with sector knowledge to deliver the Starlink Gen3 user terminal to the rail market. Engineered for passenger, freight and metro transit rolling stock to ensure it can continue to operate reliably in this challenging environment.

Gen3 Rail Kit:

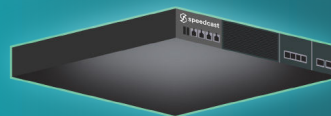
- ✓ Ruggedized packaging built to withstand the rail environment which incorporates a Rail-designed mounting frame for secure, vibration-resistant installation
- ✓ Repackaged PSU/Data Interface unit so it can be installed anywhere on a train as a Technical Cabinet
- ✓ Protective, aerodynamic shrouding engineered to protect the antenna from object strikes, overhead powerlines and help with Aerodynamic performance
- ✓ Custom-built cables and connectors to achieve rail compliance and operational usability
- ✓ Enhanced heat dissipation for reliable performance in demanding conditions
- ✓ Full recertification against internationally accepted rail industry standards

WAYSIDE SOLUTIONS:

Speedcast's wayside solution provides transmission for critical rail infrastructure applications and meets all requirements to be installed alongside existing Signaling and Telecoms equipment.

Private Network Interconnect for Rail

Speedcast offers the most comprehensive portfolio of Starlink services, including private network service, a direct, secure connection between carrier, enterprise, and private IT/OT environments to keep critical traffic off the public internet, supporting SCADA, telemetry, onboard systems, machine vision, and operations control. Combined with Speedcast's SIGMA SD-WAN platform, PNI delivers secure, low-latency connectivity with intelligent traffic management.



SIGMA

INTELLIGENT EDGE NETWORK MANAGEMENT

Speedcast's SIGMA platform gives rail operators templated, remote edge configuration across every device on the fleet, streamlining software rollouts, ensuring uninterrupted service and enabling rapid issue resolution at scale.