

# TUNNEL VOICE™

VHF Two-Way Simplex and Duplex Communications

Product Information:  
**RAILROAD**

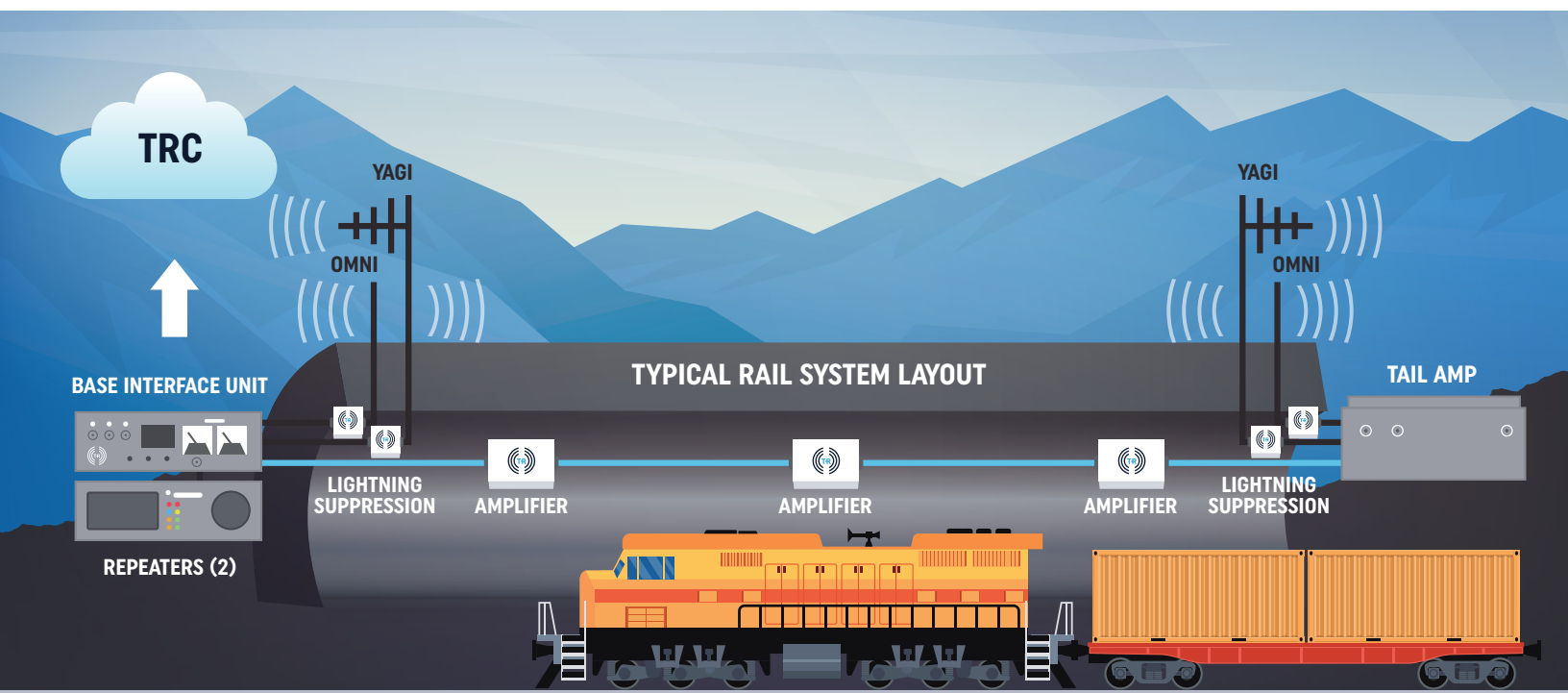
Dependable communication between dispatch, trains, and maintenance crews is essential to safety and productivity. Tunnel Voice offers unbroken operation through any length of tunnel or mountain pass, all within the AAR VHF band.

## Features and Benefits

- 150 – 170 MHz, includes all AAR channels
- Continuous voice communications – regardless of tunnel length
- Automatic Gain Control
- Digital Narrow Band compatible
- RF dead spots eliminated
- Built-in Tunnel Monitoring System (TMS)



*Diagnostic & Monitoring  
Local & Remote Access*



## Specifications: Tunnel Voice™ VHF COMMS

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### Base Interface Unit

Part Number .....TR-IFU2-160-RR-28V  
Channel Capacity .....2 Port standard, additional ports as required  
Supply Voltage .....110/120 VAC or 220/240 VAC with 24 VDC capability  
System Consumption .....1.25 AMPS

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### Amplifier

Part Number .....TR-160-PLUS-RR  
RF Gain .....22 dB @ 160 MHz with AGC  
Voltage ..... 28 VDC @ 60mA  
Input / Output Impedence ..... 50  $\Omega$

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### TRC-Net Specifications

Remote Diagnostics ..... Built-in monitoring capability via TRCentral

## About Us

Tunnel Radio of America designs, develops, manufactures and services wireless systems and software that serve the communication needs of railroad, mining, oil & gas, and industrial operations in shielded and low-propagation environments worldwide. Since 1993, when we launched our first railroad system, we have expanded our Rail product line to include Positive Train Control (PTC), Distributed-Power (DP), EOT-HOT and Voice Comm systems, along with on-site or remote monitoring and diagnostics via our TRCentral software.