

# TrainChief<sup>®</sup> plus<sup>™</sup>

ENABLED TECHNOLOGY

Developed for industrial rail switching and railroad applications

## Features & Benefits

- Single cabinet
- Throttle, independent brake & trainline brake control
- Directional change
- Sand, bell and horn controls
- Emergency switch
- Deadman operation
- Tilt alarm and tilt extent
- Man-down alarm
- LED diagnostic display
- Communication range at distances up to 3,500 feet
- Embedded system diagnostics
- Operational feedback to OCU transmitter  
FRA CFR 229.15 compliant\*

## Expanded Options

- Remote man-down alarm
- Selective dual control (pitch & catch)
- Data logging, local diagnostics
- Headlight control
- Extended range
- Status lights
- Uncouple control
- Engine protection package
- Speed limiting
- Speed control

## Transmitter Options



Lightweight OCU BTRR & SCRR



Lightweight OCU BTIND & DBT

\* Requires select expanded options

**CONTROL CHIEF**  
WIRELESS SOLUTIONS



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## Technical Specifications

### Receiver Specifications

|                          |   |
|--------------------------|---|
| Enclosure                | NEMA4 (measures 30" x 20" x 10" overall)    |
| Supply Voltage           | Locomotive Power Supply Voltage (74 Vdc)    |
| Frequency                | 900 MHz unlicensed CPFSK frequency hopping  |
| Receiver Sensitivity     | <- 106 dBm                                  |
| Occupied Bandwidth       | 200 KHz                                     |
| System Diagnostics       | Built in LED or optional graphic displays   |
| Operating Range          | 3,500 + feet (environment dependent)        |
| Temperature Range        | -20°F to +140°F (-29°C to +60°C)            |
| Encoding/Decoding Method | Micro-processor/Software based              |
| Locomotive Horn/Bell     | Electric or Pneumatic                       |
| Throttle                 | 8-Steps plus Coast and Halt                 |
| Independent Brake        | 5-Steps                                     |
| Local Man-Down           | Sounds locomotive horn in a preset sequence |

### Transmitter Specifications

|                   |   |
|-------------------|---|
| Carrying Method   | Breakaway Harness                             |
| Switches          | Push buttons, toggle switches, control levers |
| Supply Voltage    | Rechargeable Lithium Ion battery pack         |
| Battery Pack Life | 12 hours of continuous use                    |
| RF Power Output   | 1 watt  |
| Frequency         | 900 MHz unlicensed CPFSK frequency hopping    |
| Antenna Type      | Internal Dipole                               |



[www.controlchief.com](http://www.controlchief.com)

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