TRACKMOBILE®
MOBILE RAILCAR MOVERS

*Leading Railcar Mobility Since 1948*

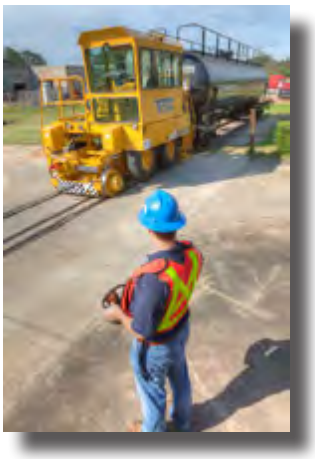
# GCS & REMOTE CONTROL

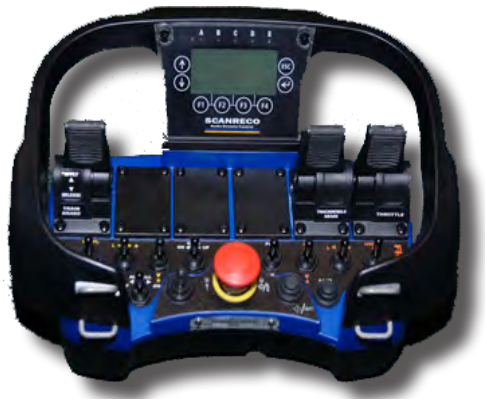

**Promote Safety While Increasing Productivity**

ISO 9001:2015 ASR American Systems Registrar Certified Quality System

# Remote Control & Portable Transmitters

To take the fatigue out of long workdays, our transmitters have been ergonomically designed. The controls are sized and carefully positioned to be as convenient as possible and support heavy usage for many hours without causing operator fatigue.





Ergonomically designed
Lightweight (6.3 lbs.)
Long Battery Live
Timer/Shut off
Tilt Switch
Reliable and Low Maintenance
Sealed enclosure

## Radio Control Technology

- For smooth operation of the Trackmobile railcar mover without interruption, automatic frequency hopping allows continuous operation free from interference. This is especially helpful when working in challenging environments where many different radio systems are running simultaneously.
- Spread Spectrum frequency-hopping technology 50 times per second-eliminates interference
- 902-928 MHz standard frequency (additional frequencies available upon request)
- No FCC license required

Trackmobile's ruggedly engineered radio operated Remote Control System consists of a receiver and a lightweight transmitter equipped with a long-life battery. Exclusive to Trackmobile, the transmitter has a numeric display that represents the train air flow to help operators determine when the train air system is fully charged.

**Control and indication functions include:**

- Remote Control E-Stop
- Railcar Train Air Brakes, Emergency
- Railcar Train Air Brakes, Graduated
- Service Brakes
- Transmission functions

MAX-Tran - weight transfer monitor

- MAX-Trac - traction control and ABS system
- Air Horn
- Sander application
- Coupler functions
- Warble Alarm or Bell
- Train Air Flow Indication (CFM)
- Operating range of 2500 ft (762m) line of sight

The system requires no FCC license in North America and includes both MAX-Tran & MAX-Trac traction control and ABS options, (2) Emergency Stop Buttons reachable by ground crews, handrail mounted Train Air Brake Pipe pressure and transmission gear position status lights, and a safety tilt switch with a 3 second audible warning alarm.

The Radio Remote Control is available to be installed in both new unit purchases and retrofitted into after market resale units equipped with a CAN Bus System.

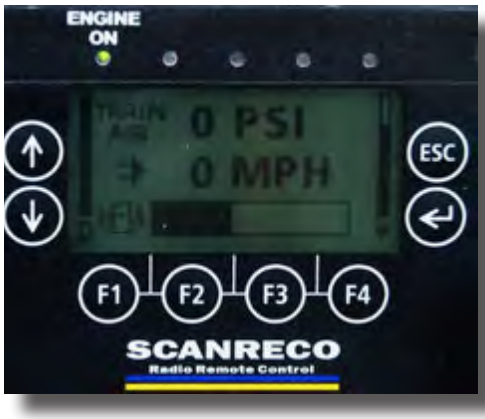
**The Remote Control is designed for use in rail applications.**

# Promote **Safety** And Increase **Productivity**

## LED Transmitter Talk-back Screen

The Radio Remote Control System is powered by circuit boards potted with a protective seal that ensures reliability that your remote control system will work day and night, regardless of the conditions.

Battery Power
Signal Strength
Brake Pipe Pressure
Brake Pipe Airflow
Fuel Level
Error Messaging



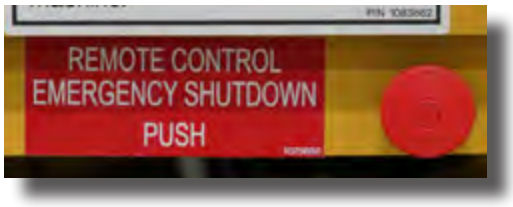

Speed (MPH/KPH)
Engine Coolant Temp
Transmission Oil Temp
Compressor Oil Temp
Hydraulic Oil Temp

### Standard system Includes:

- Radio Transmitter (Remote Control)
- Radio Receiver (Mounted in the Cab)
- Radio Antenna (Mounted on the roof of the cab)
- Exterior Mounted Signal Lights
- Two Exterior Mounted Emergency Stop Buttons
- Charger/Power Supply 110 VAC or 12VDC
- Train Air Indicator with flow meter
- Train Air Feedback
- Two 8 hour Batteries
- Harness Strap
- Max-Trac Option

### Optional Equipment Includes:

- Extended Transmitter Antenna
- Extended Receiver Antenna
- Temporary Engine Stop/Start




**Remote Control**

Radio Remote Control is used by an operator who leaves the cab and operates the TRACKMOBILE unit from the ground with no one in the cab.

**OR**

**Ground Control System (GCS)?**

GCS is used when an operator remains in the cab and a ground person is able to stop and prevent train movement as operations require.

GCS can be installed and used without the Radio Remote Control, or can be used in addition to it. GCS is a completely separate system with its own transmitter and receiver. (GCS Shown on back page.)

# TRACKMOBILE®
MOBILE RAILCAR MOVERS

## TAKE SAFETY TO THE NEXT LEVEL

Our Ground Control System (GCS) is yet another Trackmobile innovation to railcar switching. Customers can now put critical operator controls into the hands of the ground-men. During normal operation with an operator in the cab and a ground person assisting, there are times when the ground person needs to be sure the railcar mover won't move. Examples are while connecting the train air hoses and while inspecting clamshell doors on railcars. There are also frequent situations in which the ground person needs to get the operator's attention quickly, when they don't have voice or visual contact.

## The Trackmobile® GCS solves this problem.

Features and Benefits:

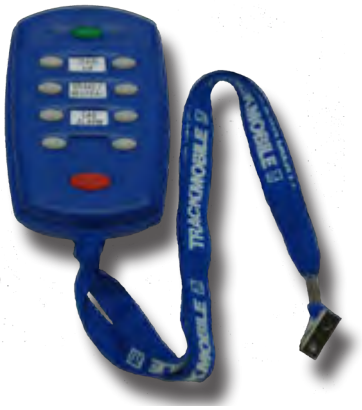
- Rugged construction that weighs less than one pound
- Full band frequency hopping technology - NO FCC LICENSE REQUIRED
- Security coded to prevent accidental cross-communication
- Self diagnostics for peace-of-mind
- Weatherproof transmitter for use in the roughest weather
- Customized functions to meet your operation's specific needs
- Added safety for the ground personal
- Increased operational efficiency
- Improved communication with remote alert
- Exterior railing lights assuring ground personnel of brake activation

## Promote Safe Operations for Ground Personnel

### How Does GCS Work?

This pocket sized remote control activates emergency braking and is ruggedly designed and waterproof to withstand challenging conditions. At the push of a button the operator is alerted, then both the Trackmobile and train brakes are activated as the transmission shifts into neutral. Handrail mounted lights illuminate, to assure ground personnel that the activation has been performed.

A ground man can activate brakes for safety while coupling train air hoses or stopping the car movement in case of emergency. The device has an operating range of more than 1200 feet line of sight [370 meters], and is equipped with an audio alarm function. The system operates on 4 convenient to replace AA batteries with a low power warning light and frequency-hopping technology to be sure power and signal are consistently keeping crews safe.



**Contact your local distributor to discuss options and pricing that best suits your needs today.**