

# Radio Remote Controls for Railcar Movers

Remote Control  
From Cattron-Theimeg, Inc.



## Railcar Movers Remote Control

Based on the MP 96 Series, Portable Radio Remote Control (PRRC) provides the safety, function and performance you expect for all railcar moving operations. PRRC offers safe and efficient control of switching, coupling and disconnection and ensures complete control regardless of any coupling arrangement.

It takes only one operator on the ground to effectively control any switching operation with PRRC. The system provides the all-important extra margin of safety by enabling the operator to input all commands out of harm's way while having greater visibility along the length of the train.

The MP 96 Railcar Mover system is especially beneficial for positioning of railcar wheels for machining. The wheels must be positioned exactly during the truing procedure. PRRC enables the wheels to be contoured while they remain on the railcars and are machined to tolerances.

MP 96 controllers are designed for instantaneous system troubleshooting. Should an emergency stop be required, the MP 96 responds immediately. With its powerful multi processor system, the MP 96 provides high message data security along with simultaneous and independent data signal processing of all incoming commands.

## Features

- Multiple systems can operate on one frequency
- Up to 48 inputs and 96 outputs allow for complete customization
- Long "ride through" time during power supply interruptions
- Responds rapidly to operator commands
- Extensive data logging, hardcopy printout with time and date stamp
- Extensive EMI/RFI protection
- Complete diagnostics on power-up
- Individually fused and isolated outputs
- Single-point status display shows normal and fault conditions in plain English
- Accessible components allow for ease of maintenance
- Can be configured with different controller (transmitter) styles

**CATTRON**  
*theimeg*<sup>™</sup>

# Rail Car Movers Options & Specifications

## Available Options

- Pitch&Catch
- Range Extension
- Close Start™,
- Digital Talkback™ with "InfoLink" - True two-way digital communication between the Operator Control Unit (OCU) and the Locomotive Control Unit (LCU) through text display and function LED's on the OCU.
- PC compatible diagnostic software

**Outputs:** 1-96 independent and/or simultaneous, plus Mainline On/Off

**Enclosure:** NEMA 12 (IP65) standard dust, oil & water tight; NEMA 4 and 4X (IP66) optional

**Environmental:** Approx. -4°F to +140°F (-20°C to +60°C); RH 0 to 95%, non condensing; special temperature units available

**Sub Chassis:** Receiver/decoder and power supply each have their own magnetic compliant (EMC) shielded compartment; entire sub chassis mounts on inside door of NEMA 12 (IP65) enclosure; no relays in sub chassis

**Control Voltage Range:** 30 VDC or 12-250 VAC fused @ 5 amps (higher voltages with derated current);

**Steps:** 0-80V BiPolar Maximum

**Power Requirements:** 32/48/110/220 VAC 50-60 Hz or 13.7 VDC +/- 10% @ less than 1 amp; Optional 12 to 250 VDC power supplies available

**Receiver Frequency:** (Crystal & Synthesized): UHF/VHF

**Microcomputer Speed:** 12 MHz

**Memory Size:** Two E Proms each with 64K bytes memory (programmed by Cattron-Theimeg)

**Datalog Memory Size:** 64K bytes

- Optional Diagnostic Port: RS232C (DB25 Connector) or RS422 (MIA Connector)

\* Specifications are subject to change or revision without notice. Consult the factory for verification.

