

# What makes RailBoss Better ?

## The features you expect -

- Control of Speed, Direction, Momentum, Sound Triggers
- User programmable functions
- MU (Multiple Unit) operation of locomotives
- Constant directional lighting
- One transmitter for your entire fleet

## Some features some others wish they had -

- **2.4 GHZ Radio Technology**
  - Unmatched range and noise immunity
  - No frequencies or channels to worry about
  - No Tx antenna to poke your eye out or Rx antenna to hang out like a clothesline.

- **Efficient 5-amp Motor Drivers**

5-amps continuous rating over the full range of input voltage, at no extra cost.

Efficient hardware design saves you space and money with fewer batteries.

Motor driver loss: < 0.5V @ 1.5A, <1.5V @ 5A. Every 1.5V wasted on your driver is one more NiCad or NiMh battery you need to run your motor. (If others don't give you this spec, there is probably a good reason. Typical loss by other systems may be 2-3V at low current draw, and more at higher currents. By the way, you also lose another 1.5V if the board has track power capability.)

## Plus these features offered by no one else -

- **Automated Station Stops**

Adds interest to continuous operations while freeing you to talk with your visitors  
Continuous loop or point-to-point (Back 'n Forth Trolley) operation  
choose the percentage of times the train will stop at the station or blow the whistle when crossing a track magnet.

Adds more interest to your layout. You never know what is going to happen next.

- **Low Battery Warning System**

For Lithium-Ion and Lithium-Poly battery packs  
Get your train back home BEFORE it stops dead in its tracks

- **Dual Phoenix Remote Un-Coupler Drivers**

No Phoenix interface board required

- **On-Board Wiring Diagnostics**

No volt meters required to figure out what is going on if things go wrong.

- **Universal Lighting Outputs**

Work with incandescent bulbs or LEDs.

No external resistors required in your wiring for LEDs.

- **Wide Input Voltage Range (7 to 25 volts)**

7-16 MiMh/NiCad cells (1.2V per cell), Nominal 8.4V to 19.2V  
2-6 Lithium-Ion or Lithium-Polymer cells (3.7V per cell), Nominal 7.4V to 22.2V

- **Simple Momentum**

Enable/Disable from the transmitter for switching operations.

### **Critter Controls**

*We also have a complete line of Semi-Automatic and Manual controls for battery power, without the added expense and complexity of radio control.*