

RailPro Basic Operating Instructions

For detailed user instructions download RailPro Assistant manual and view install videos at,

<https://www.rcsofne.com>

LOCO: _____

SOUND: _____

OPTIONS: _____

Turn on Power to loco before using Handheld controller. For Battery power flip on power switch. For track power turn on your power supply.

To Add a new loco to the HC-2, press the Find Product on Main page. Screen will display searching, Product Found: LM-4S-G, Press exit page. Save settings. New loco is added.

1. Engine Battery Power on Sequence—Locate On/Off Toggle Switch & Charge Jack

Diesels: switch can be found on the rear door, under roof panel, exhaust stack or on the fuel tank. **Steam Loco's:** Tender front panel, under Tender, in toolbox/water fill hatch. **RailBus:** under floor beneath baggage door.

Two position toggle/slide switch: Flip up, Pull to side or Forward to On. Back to turn Off and Charge.

Three position switch w/aux battery: UP/Forward is On, Center is Off, Down/back is to Charge.

Charge Jack: steam engine rear of tender. Diesel rear end, fuel tank or under top cover.

2. Handheld Controller/Select Locomotives - Press Power ON/Main Page button until you see RailPro Logo. Then touch screen for main page. To turn off, touch icon/Power Off.

Press Locomotives Icon

Touch loco to select

Screen displays control Loco.



3. Start-Up Sounds, Moving the Loco and Setting Load Function.

Find/Press engine icon to start sounds. (Diesels prime mover start-up sequence. Steam idle sounds begin). At bottom of screen press icons to activate other sounds.

Press arrow in left corner to choose forward/reverse. To accelerate rotate large black knob clockwise to control speed. Speed indicator will increase from 0 to 100%. To slow down and stop rotate black knob counter clockwise.



Creating a Consist/Muing or Linking Multiple Engines Together

1. Press Link button to start
2. Select Loco #1 from photos, then continue to select the next locos . When finished press done.
3. Press MU=X to set direction for locos.
4. Engines will now run together and speed match automatically. Horn/bell will only sound on lead engine. Setup lights for each engine. To clear linking, press unlink.

To adjust volume, press Tools icon, on next page press sound volume , rotate black knob to adjust.

4. Reading locomotive battery level. Press (i) info icon. Center column displays battery voltage. Chart below shows battery range from lowest voltage to max.

Minimum to Fully charged Battery Voltages	
Battery 11.1V = 10 to 11.6V	Battery 14.8V = 12 to 15.9V
Battery 18.5v = 15 to 20V.	



5. Charging Batteries

Handheld controller uses rechargeable battery. When battery icon turns **red**, less than 30 minutes. Use only included RailPro USB cable with PA-3 charger. **Charge monthly if not used regularly.**

Charging Loco Lithium Battery. (New batteries may need to be charged. To condition new battery, run loco for 1 hour then recharge. For full runtime it will take three charge cycles.)

1. Must turn Loco off before charging!
2. Connect Charger AC cord. (For “Smart Charger”, wait for LED to sequence red/green to off). (For others chargers LED is green to start).
3. Insert charging cable into Loco charging jack.
4. LED on chargers will turn Red, LED will change to green to finish.
5. Auto shutoff when battery is fully charged. **Unplug Charger from outlet.**