

Nevada State Railroad Museum

Model Railroad Car Announcement System

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Please refer to the instructions for the EM212A.

The EM212A is located in the Model Railroad Car, and this is how it was programmed:

Reset:

Disconnecting power for 5 seconds seems to reset ok. If it doesn't play, see **NOTE 2** below.
On the right side of the buttons, there is a small hole marked "Reset". A paper clip will reset.

Busy:

On the left side of the buttons an LED indicates that an announcement is playing.

Balance Knob:

Is set to the center (detent) position.

Volume Knob:

Is set to best quality and level with our speakers.

Speaker Output:

6 Watts to each channel. Designed for a 4Ω load.

SD Card Mode setting: (System Configuration)

- D** (Direct)
- I** (Interruptible)
- C** (Closed Contact)
- R** (Puts Left Channel in phase with Right Channel)

This MODE.TXT file is on the SD card and is changeable.

Recordings: (All audio files are MP3 at 192Kbps)

To be able to control Announcement and Background levels separately:

Announcements for "HO" gauge are **left channel only**.

Announcements for "O" gauge are **right channel only**.

Announcements for "Front" are on a MP3 Player: **Left** (every 20 sec) **Right** (every 50 sec)

NOTE 1: While editing, use an audio meter and take extreme care to keep audio levels even.

NOTE 2: When deleting and adding mp3 files... copy everything from the SD card to computer first.
Then Format the SD card, then add back the files you want. Remember the MODE.TXT file.

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Announcements: (Announcer: David Held) (Recorded November 22nd 2021)

Model Train Car Scripts

(MP3 Player Channel 1: Runs in a loop every 20 seconds with start and stop ability)

“Welcome to the Model Railroader’s car. Please step in and see some fascinating miniature models of yester year. Donations are welcome to continue the all-volunteer operations.”

(MP3 Player Channel 2: Runs in a loop every 50 seconds with start and stop ability)

“Welcome to the Model Railroader’s car. Please step in and see some fascinating miniature models of yester year. Donations are welcome to continue the all-volunteer operations.”

Button 3: HO and O Gauge

Recorded on Left & Right Channel

“This is a HO gauge layout modeling Boulder City in the 1940s and 1950s. It is a work in progress with the Las Vegas mainline, Boulder City Branch line and switchyard track in place. It will include some of downtown Boulder City, the Railroad Pass Casino, and the track heading to Hoover Dam. The double track main-line display the equipment used in that time period by the Union Pacific Railroad which serviced Las Vegas and Boulder City. (pause)

Next along the car is an O-Gauge or Lionel layout. We have donation boxes on each end of the layout. Donations are used for equipment and repairs supporting the layouts. (pause)

This is our O Gauge layout depicting typical cities across the United States. The tall buildings model New York City with King Kong and the original Batmobile and China Town. Moving west, Pittsburgh Steel Mill, Lombard Street and the Presidio golf course in San Francisco, a typical Midwest town with coal-fired power plant. Further west, typical gold and silver mining in the Sonoran and Mohave Desert, logging in Idaho and Montana, the Hoo Doos of Bryce Canyon National Park, Big Thunder Canyon, and the Pacific Northwest with logging and mining. (pause)

Thank you for visiting, thank you for your donation and please enjoy the rest of your day!”

Button 4: HO Gauge – Main

Recorded on Left Channel

“This is a HO gauge layout modeling Boulder City in the 1940s and 1950s. It is a work in progress with the Las Vegas mainline, Boulder City Branch line and switchyard track in place. It will include some of downtown Boulder City, Railroad Pass Casino, and the track heading to Hoover Dam. The double track mainline displays the equipment used in that time period by the Union Pacific Railroad which serviced Las Vegas and Boulder City.”

Button 5: HO Gauge – Detail A

Recorded on Left Channel

“The UP ‘City of Los Angeles passenger train is typical of the service between Chicago, through to Salt Lake City continuing through Las Vegas to Las Angeles, each direction on a daily schedule. The trip took over 3 days each way. The trains are controlled remotely with three separate sections and provide for realistic operations.”

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Button 6: HO Gauge – Detail B *Recorded on Left Channel*

“The freight train is typical of the shipments through Las Vegas, Nevada in the 1940s and 1950s. When livestock was moved by rail, the animals were watered and rested periodically during the trip. A replica of the Museum’s UP844 diesel locomotive can be seen along with the style of caboose you can ride in on the real equipment outside.”

Button 7: O Gauge – Main *Recorded on Right Channel*

“This is our O Gauge layout depicting typical cities across the United States. The tall buildings model New York City with King Kong and the original Batmobile and China Town. Moving west, Pittsburgh Steel Mill, Lombard Street and the Presidio golf course in San Francisco, a typical Midwest town with a coal-fired power plant. Further west, typical gold and silver mining in the Sonoran and Mohave Desert, logging in Idaho and Montana, the Hoo Doos of Bryce Canyon National Park, Big Thunder Canyon, and the Pacific Northwest with logging and mining.”

Button 8: O Gauge – Detail A *Recorded on Right Channel*

“The layout consists of six loops, each controlled remotely. The loops feature equipment used during the building of Hoover Dam and Boulder City. The steam locomotives are of the types used during the construction of Hoover Dam and similar to the full-scale static displays outside. The diesel locomotives represent more modern equipment used today on the Union Pacific Main Line through Las Vegas.”

Button 9: O Gauge – Detail B *Recorded on Right Channel*

“Note the many details in the layout as you go. There is a train wreck in the Hudson River, a working roller coaster at Coney Island Park, an operating Bascule bridge, and an operating gantry crane in the steel mill. Keep looking! Can you spot the man taking your picture from the EL platform? How about the man being thrown out of the Saigon Saloon in the logging camp, or maybe the window washer at Maggie’s? Do you see the Mountain Goats on the rock outcrops in Big Thunder Canyon?”

Button 10: Spare

Button 11: Spare

Button 12: (Clear) (Blank 2 seconds)