

Denver & Rio Grande Western Railway

MRC SYMPHONY 77 SOUND SYSTEM

Introduction

The Symphony 77 brings the sounds of railroading by just plugging in. Sounds are divided into two independent groups emanating from their own speakers. There are also two modes of operation – steam and diesel. Only the steam mode is used for the Denver & Rio Grande Western Railway narrow gauge layout.

Operational Information

Mains Supply

1. A 110 volt AC transformer is included – this needs plugging into the 110 volt output socket of the separate 220-110 volt AC transformer which, in turn, is plugged into the UK 220 volt domestic electric mains supply.

The 220-110 volt transformer has an on/off switch which glows red when switched on – this switch allows 220 volts to enter the transformer and produces 110 volts at the American output socket to power the Symphony transformer. Do not switch on until the Symphony transformer output lead has been plugged into the rear jack of the right-hand speaker.

Take the hand control and turn the power switch on. The pilot LED should light, and sounds will come from the speakers depending on which mode is currently selected on the hand control (normally, this should be steam mode).

Steam Mode

2. If required, use the mode switch to select 'S' (Steam) ('D' is Diesel Mode). The idling sounds of a steam engine will play from the right-hand speaker and associated random steam noises will play on the left-hand speaker.

Engine Speed

3. Use the speed buttons to make the engine go from stationary to full speed and anywhere in between by repeatedly pressing the up or down buttons.

Sound

4. The volume knob controls the volume of the right side speaker sounds only.

The volume can be adjusted while operating the speed up and down buttons to simulate the sound of an engine approaching or fading away into the distance.

5. All sounds associated with the sound push buttons can be re-triggered. The same sound can thus be repeated before it ends thus making it seem longer.

Alternatively, a new sound can be started and this will cut off the current sound.

6. One sound from each group can be played at the same time.
7. Only one slide switch can be activated at one time (right side position on hand control).

The unit may not operate properly if more than one slide switch is activated.

8. The mode switch, speed up/down buttons and the volume control knob operate independently of the sound buttons, and they do not interfere with the playing of the sounds.

Steam Whistle

9. There are numerous choices for the steam whistle (or diesel horn if diesel mode has been accidentally selected). Use the select button for the steam group to change the sound of the whistle. The currently selected whistle will play first, and then keep pressing the select button to find a suitable whistle for the engine concerned. Then every time the whistle button is pressed the whistle selected will play.
10. The steam whistle (or diesel horn if in Diesel Mode) will always be ready to play.

Rail Clack

11. Just activating the rail clack slide switch will not make it play. It is synchronized to the speed of the engine (steam or diesel). Naturally, if the engine speed button is set at nil there are no rolling wheels to clack over rail joints and thus this function will be silent.

Coupling

12. There are two types of coupling sounds. To change the sound turn the power switch to 'off'. Hold down the coupling button while the power switch is turned back to 'on' and the new coupling sound will be programmed in. Repeat the process again to change it back to the original sound.

Water & Coal

13. The water and coal sounds will only play in steam mode (there are pump and fan sounds in Diesel Mode) hence the 'S' and 'D' lettering by the buttons to select the correct engine sounds required.

Right Hand Speaker

14. The right hand speaker plays the following slide switch sounds:

Bell (steam or diesel depending on the mode switch setting)

Crossing Gate

Rail Clack

Dynamic Brake (available in both steam and diesel mode)

Steam Chuff (or diesel rumble in diesel mode)

Left Hand Speaker

15. The left hand speaker plays the following button activated sounds:

Diesel Horn

Diesel Pump/Steam Water

Diesel Fan/Steam Coal

Steam Whistle

Coupling (2 programmable)

Uncoupling

Conductor "All aboard" (both Steam and Diesel mode)

Air Release

Brake

Random sounds for the mode of engine selected (Steam or Diesel)

END